

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

**2016–2017**

**ADDENDA 1–8  
VISUAL OBSERVATIONS & RAW DATA**

**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**  
**2016 – 2017**  
**PLOO and SBOO Benthic and Trawl Stations**



## Addendum 1A

Visual observations from PLOO benthic stations sampled during 2016.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601123608	PL	E1	12-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	STN LONG MIN	18.321			13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	STN LAT MIN	37.525			13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	DEPTH METER	87		m	13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	ARRIVE TIME	1311			13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	AIR TEMP	15		C	13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	WIND SPEED	3		kts	13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	WIND DIR		E		13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	SED_DEPTH(1)	8		cm	13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	SED_TYPE(1)		Clay and Silt with Fine sand		13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	SED_TEMP(2)	13			13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	SED_DEPTH(2)	10		cm	13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	SED_TYPE(2)		Clay and Silt with Gravel		13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	VISIBILITY	16		mi	13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	WEATHER DESC		Clear		13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	DEPART TIME	1332			13-Jan-16
1601123608	PL	E1	12-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	STN LONG MIN	19.082			13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	STN LAT MIN	37.447			13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	DEPTH METER	96		m	13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	ARRIVE TIME	1342			13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	AIR TEMP	15		C	13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	WIND SPEED	7		kts	13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	WIND DIR		SW		13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	SED_DEPTH(1)	9		cm	13-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601123609	PL	E2	12-Jan-16	BENTHIC	SED_TYPE(1)		Clay and Silt with Gravel		13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	SED_TEMP(2)	13			13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	SED_DEPTH(2)	9		cm	13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	SED_TYPE(2)		Clay and Silt with Gravel		13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	VISIBILITY	16		mi	13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	WEATHER DESC		Clear		13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	DEPART TIME	1359			13-Jan-16
1601123609	PL	E2	12-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	STN LONG MIN	22.147			13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	STN LAT MIN	45.207			13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	DEPTH METER	118		m	13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	ARRIVE TIME	836			13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	AIR TEMP	14		C	13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	WIND SPEED	4		kts	13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	WIND DIR		NW		13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	SED_TEMP(1)	12			13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	SED_DEPTH(1)	10		cm	13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand with Silt		13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	SED_TEMP(2)	12			13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	SED_DEPTH(2)	9		cm	13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	SED_TYPE(2)		Fine sand with Silt		13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	DEPART TIME	858			13-Jan-16
1601133767	PL	B10	13-Jan-16	BENTHIC	COMMENTS		Tuna Crab in grabs		13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601133768	PL	B11	13-Jan-16	BENTHIC	STN LONG MIN	21.378			13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	STN LAT MIN	46.563			13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	DEPTH METER	89		m	13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	ARRIVE TIME	945			13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	AIR TEMP	14		C	13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	WIND SPEED	4		kts	13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	WIND DIR		NW		13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	SED_DEPTH(1)	7		cm	13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand with Silt with Cobble		13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	SED_TEMP(2)	14			13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	SED_DEPTH(2)	5		cm	13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	SED_TYPE(2)		Fine sand with Silt with Gravel		13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	DEPART TIME	1001			13-Jan-16
1601133768	PL	B11	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	STN LONG MIN	22.331			13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	STN LAT MIN	46.374			13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	DEPTH METER	98		m	13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	ARRIVE TIME	910			13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	AIR TEMP	14		C	13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	WIND SPEED	2		kts	13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	WIND DIR		SW		13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	SED_TEMP(1)	12			13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	SED_DEPTH(1)	8		cm	13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand and Sand with Silt		13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	SED_TEMP(2)	13			13-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601133769	PL	B12	13-Jan-16	BENTHIC	SED_DEPTH(2)	7		cm	13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	SED_DEPTH(2)	7	Sand and Fine sand with Silt		13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	SED_TYPE(2)				13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	WEATHER_DESC		Partly cloudy		13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	WAVE_HEIGHT_LOW	4		ft	13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	DEPART_TIME	934			13-Jan-16
1601133769	PL	B12	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	STN_LONG_DEG	117			13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	STN_LONG_MIN	20.787			13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	STN_LAT_DEG	32			13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	STN_LAT_MIN	45.501			13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	DEPTH_METER	91		m	13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	ARRIVE_TIME	1012			13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	AIR_TEMP	14		C	13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	WIND_SPEED	3		kts	13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	WIND_DIR		S		13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	SED_DEPTH(1)	10		cm	13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	SED_TYPE(1)		Silt		13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	SED_TEMP(2)	13			13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	SED_DEPTH(2)	10		cm	13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	SED_TYPE(2)		Silt		13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	WEATHER_DESC		Partly cloudy		13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	WAVE_HEIGHT_LOW	4		ft	13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	DEPART_TIME	1035			13-Jan-16
1601133770	PL	B8	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	STN_LONG_DEG	117			13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	STN_LONG_MIN	21.689			13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	STN_LAT_DEG	32			13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	STN_LAT_MIN	45.331			13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	DEPTH_METER	100		m	13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	ARRIVE_TIME	809			13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	AIR_TEMP	14		C	13-Jan-16



Addendum 1A *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601133771	PL	B9	13-Jan-16	BENTHIC	WIND SPEED	4		kts	13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	WIND DIR		NE		13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	SED_DEPTH(1)	9		cm	13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	SED_TYPE(1)		Silt with Fine sand		13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	SED_TEMP(2)	12			13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	SED_DEPTH(2)	11		cm	13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	SED_TYPE(2)		Silt with Fine sand		13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	DEPART TIME	826			13-Jan-16
1601133771	PL	B9	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	STN LONG MIN	19.667			13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	STN LAT MIN	40.96			13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	DEPTH METER	98		m	13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	ARRIVE TIME	1230			13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	AIR TEMP	15		C	13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	WIND SPEED	6		kts	13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	WIND DIR		SE		13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	SED_DEPTH(1)	11		cm	13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	SED_TYPE(1)		Silt		13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	SED_TEMP(2)	13			13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	SED_DEPTH(2)	10		cm	13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	SED_TYPE(2)		Silt		13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	DEPART TIME	1248			13-Jan-16
1601133772	PL	E20	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601133773	PL	E21	13-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	STN LONG MIN	20.009			13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	STN LAT MIN	40.885			13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	DEPTH METER	117		m	13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	ARRIVE TIME	1254			13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	AIR TEMP	15		C	13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	WIND SPEED	3		kts	13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	WIND DIR		SW		13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	SED_TEMP(1)	11			13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	SED_DEPTH(1)	6		cm	13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand with Silt		13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	SED_TEMP(2)	11			13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	SED_DEPTH(2)	9		cm	13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	SED_TYPE(2)		Fine sand with Silt		13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	DEPART TIME	1315			13-Jan-16
1601133773	PL	E21	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	STN LONG MIN	19.772			13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	STN LAT MIN	41.474			13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	DEPTH METER	98		m	13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	ARRIVE TIME	1157			13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	AIR TEMP	15		C	13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	WIND SPEED	5		kts	13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	WIND DIR		N		13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	SED_DEPTH(1)	8		cm	13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	SED_TYPE(1)		Silt		13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	SED_TEMP(2)	13			13-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601133774	PL	E23	13-Jan-16	BENTHIC	SED_DEPTH(2)	8		cm	13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	SED_TYPE(2)		Silt		13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	DEPART TIME	1225			13-Jan-16
1601133774	PL	E23	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	STN LONG MIN	20.08			13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	STN LAT MIN	42.378			13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	DEPTH METER	99		m	13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	ARRIVE TIME	1120			13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	AIR TEMP	14		C	13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	WIND SPEED	1		kts	13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	WIND DIR		S		13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	SED_DEPTH(1)	8		cm	13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	SED_TYPE(1)		Silt with Fine sand		13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	SED_TEMP(2)	13			13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	SED_DEPTH(2)	10		cm	13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	SED_TYPE(2)		Silt with Fine sand		13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	DEPART TIME	1148			13-Jan-16
1601133775	PL	E25	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	STN LONG DEG	117			13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	STN LONG MIN	20.578			13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	STN LAT DEG	32			13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	STN LAT MIN	43.829			13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	DEPTH METER	98		m	13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	ARRIVE TIME	1048			13-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601133776	PL	E26	13-Jan-16	BENTHIC	AIR TEMP	14		C	13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	WIND SPEED	1		kts	13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	WIND DIR		SW		13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	SED_TEMP(1)	13			13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	SED_DEPTH(1)	9		cm	13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	SED_TYPE(1)		Silt		13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	SED_TEMP(2)	13			13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	SED_DEPTH(2)	9		cm	13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	SED_TYPE(2)		Silt		13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	VISIBILITY	15		mi	13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	DEPART TIME	1109			13-Jan-16
1601133776	PL	E26	13-Jan-16	BENTHIC	COMMENTS				13-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	STN LONG MIN	19.461			19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	STN LAT MIN	39.395			19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	DEPTH METER	97		m	19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	ARRIVE TIME	1009			19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	AIR TEMP	16		C	19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	WIND SPEED	4		kts	19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	WIND DIR		NE		19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	SED_TEMP(1)	11			19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	SED_DEPTH(1)	7		cm	19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt		19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	SED_TEMP(2)	11			19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	SED_DEPTH(2)	60		cm	19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	SED_TYPE(2)		Fine sand		19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	VISIBILITY	12		mi	19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	WEATHER DESC		Mostly clear		19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	DEPART TIME	1027			19-Jan-16
1601194320	PL	E11	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601194321	PL	E14	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	STN LONG MIN	19.495			19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	STN LAT MIN	39.959			19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	DEPTH METER	97		m	19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	ARRIVE TIME	943			19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	AIR TEMP	16		C	19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	WIND SPEED	3		kts	19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	WIND DIR		W		19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	SED_TEMP(1)	12			19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	SED_DEPTH(1)	8		cm	19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt		19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	SED_TEMP(2)	12			19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	SED_DEPTH(2)	7		cm	19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt		19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	VISIBILITY	9		mi	19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	WEATHER DESC		Mostly clear		19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	DEPART TIME	1002			19-Jan-16
1601194321	PL	E14	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	STN LONG MIN	19.899			19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	STN LAT MIN	39.879			19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	DEPTH METER	112		m	19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	ARRIVE TIME	914			19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	AIR TEMP	16		C	19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	WIND SPEED	3		kts	19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	WIND DIR		NE		19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	SED_TEMP(1)	12			19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	SED_DEPTH(1)	8		cm	19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt		19-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601194322	PL	E15	19-Jan-16	BENTHIC	SED_TEMP(2)	11			19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	SED_DEPTH(2)	10		cm	19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	SED_TYPE(2)		Silt and Fine sand		19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	VISIBILITY	9		mi	19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	WEATHER DESC		Mostly clear		19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	DEPART TIME	936			19-Jan-16
1601194322	PL	E15	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	STN LONG MIN	19.567			19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	STN LAT MIN	40.459			19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	DEPTH METER	98		m	19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	ARRIVE TIME	841			19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	AIR TEMP	16		C	19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	WIND SPEED	2		kts	19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	WIND DIR		NE		19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	SED_TEMP(1)	12			19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	SED_DEPTH(1)	7		cm	19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt		19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	SED_TEMP(2)	12			19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	SED_DEPTH(2)	9		cm	19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt		19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	VISIBILITY	9		mi	19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	WEATHER DESC		Mostly clear		19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	DEPART TIME	905			19-Jan-16
1601194323	PL	E17	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	STN LONG MIN	19.142			19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	STN LAT MIN	41.054			19-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601194324	PL	E19	19-Jan-16	BENTHIC	DEPTH METER	88		m	19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	ARRIVE TIME	811			19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	AIR TEMP	15		C	19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	WIND SPEED	2		kts	19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	WIND DIR		N		19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	SED_TEMP(1)	12			19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	SED_DEPTH(1)	9		cm	19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	SED_TYPE(1)		Silt with Fine sand		19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	SED_TEMP(2)	12			19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	SED_DEPTH(2)	9		cm	19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	SED_TYPE(2)		Silt with Fine sand		19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	VISIBILITY	9		mi	19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	WEATHER DESC		Mostly clear		19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	DEPART TIME	834			19-Jan-16
1601194324	PL	E19	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	STN LONG MIN	20.083			19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	STN LAT MIN	37.336			19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	DEPTH METER	110		m	19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	ARRIVE TIME	1245			19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	AIR TEMP	14		C	19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	WIND SPEED	9		kts	19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	WIND DIR		NW		19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	SED_TEMP(1)	11			19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	SED_DEPTH(1)	8		cm	19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt		19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	SED_TEMP(2)	12			19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	SED_DEPTH(2)	8		cm	19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	SED_TYPE(2)		Sand and Fine sand with Silt		19-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601194325	PL	E3	19-Jan-16	BENTHIC	VISIBILITY	12		mi	19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	WEATHER DESC		Overcast		19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194325	PL	E3	19-Jan-16	BENTHIC	DEPART TIME	1333			19-Jan-16
							1st Grab Failed - Cobble 3rd Grab Failed - One side closed >5cm Animal Grab #2 - 2 Pleuroncodes planipes (Tuna Crab)		
1601194325	PL	E3	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	STN LONG MIN	19.266			19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	STN LAT MIN	38.409			19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	DEPTH METER	96		m	19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	ARRIVE TIME	1211			19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	AIR TEMP	16		C	19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	WIND SPEED	13		kts	19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	WIND DIR		SE		19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	SED_TEMP(1)	11			19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	SED_DEPTH(1)	7		cm	19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	SED_TYPE(1)		Silt		19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	SED_TEMP(2)	12			19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	SED_DEPTH(2)	6		cm	19-Jan-16
							Silt with Fine sand		
1601194326	PL	E5	19-Jan-16	BENTHIC	SED_TYPE(2)				19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	VISIBILITY	12		mi	19-Jan-16

**Addendum 1A** (cont.)

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601194326	PL	E5	19-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		19-Jan-16



**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601194326	PL	E5	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194326	PL	E5	19-Jan-16	BENTHIC	DEPART TIME	1234			19-Jan-16
							Animal Grab #1 - 1 Pleuroncodes planipes (Tuna Crab)		
1601194326	PL	E5	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	STN LONG MIN	18.656			19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	STN LAT MIN	39.039			19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	DEPTH METER	88		m	19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	ARRIVE TIME	1138			19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	AIR TEMP	16		C	19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	WIND SPEED	12		kts	19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	WIND DIR		N		19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	SED_TEMP(1)	13			19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	SED_DEPTH(1)	7		cm	19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	SED_TYPE(1)		Silt		19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	SED_TEMP(2)	12			19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	SED_DEPTH(2)	8		cm	19-Jan-16
							Silt with Fine sand		
1601194327	PL	E7	19-Jan-16	BENTHIC	SED_TYPE(2)				19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	VISIBILITY	12		mi	19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194327	PL	E7	19-Jan-16	BENTHIC	DEPART TIME	1202			19-Jan-16
							Animal Grab #1 - 1 Pleuroncodes planipes (Tuna Crab) released		
1601194327	PL	E7	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	STN LONG MIN	19.335			19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	STN LAT MIN	38.933			19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	DEPTH METER	96		m	19-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601194328	PL	E8	19-Jan-16	BENTHIC	ARRIVE TIME	1110			19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	AIR TEMP	16		C	19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	WIND SPEED	15		kts	19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	WIND DIR		E		19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	SED_TEMP(1)	12			19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	SED_DEPTH(1)	11		cm	19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	SED_TYPE(1)		Silt and Sand		19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	SED_TEMP(2)	12			19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	SED_DEPTH(2)	11		cm	19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	SED_TYPE(2)		Fine sand with Silt		19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	VISIBILITY	12		mi	19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	DEPART TIME	1129			19-Jan-16
1601194328	PL	E8	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	STN LONG DEG	117			19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	STN LONG MIN	20.067			19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	STN LAT DEG	32			19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	STN LAT MIN	38.763			19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	DEPTH METER	113		m	19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	ARRIVE TIME	1039			19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	AIR TEMP	16		C	19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	WIND SPEED	5		kts	19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	WIND DIR		W		19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	SED_TEMP(1)	12			19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	SED_DEPTH(1)	11		cm	19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	SED_TYPE(1)		Sand and Silt with Coarse sand		19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	SED_TEMP(2)	12			19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	SED_DEPTH(2)	11		cm	19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	SED_TYPE(2)		Silt and Sand with Coarse sand		19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	VISIBILITY	12		mi	19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	WEATHER DESC		Partly cloudy		19-Jan-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601194329	PL	E9	19-Jan-16	BENTHIC	WAVE HEIGHT LOW	6		ft	19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	DEPART TIME	1059			19-Jan-16
1601194329	PL	E9	19-Jan-16	BENTHIC	COMMENTS				19-Jan-16
1607115180	PL	E11	11-Jul-16	BENTHIC	STN LONG DEG	117			12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	STN LONG MIN	19.446			12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	STN LAT DEG	32			12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	STN LAT MIN	39.401			12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	DEPTH METER	98		m	12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	ARRIVE TIME	800			12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	AIR TEMP	18		C	12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	WIND SPEED	9		kts	12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	WIND DIR		SE		12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	SED_TEMP(1)	10			12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	SED_DEPTH(1)	8		cm	12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Clay		12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	SED_TEMP(2)	0			12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	SED_DEPTH(2)	0		cm	12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt		12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	VISIBILITY	4		mi	12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	WEATHER DESC		Overcast		12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	WAVE HEIGHT LOW	5		ft	12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	DEPART TIME	908			12-Jul-16
1607115180	PL	E11	11-Jul-16	BENTHIC	COMMENTS		Sed tox sample collected		12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	STN LONG DEG	117			12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	STN LONG MIN	19.527			12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	STN LAT DEG	32			12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	STN LAT MIN	39.902			12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	DEPTH METER	99		m	12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	ARRIVE TIME	1103			12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	AIR TEMP	18		C	12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	WIND SPEED	8		kts	12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	WIND DIR		E		12-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607115181	PL	E14	11-Jul-16	BENTHIC	SED_TEMP(1)	11			12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	SED_DEPTH(1)	8		cm	12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Sand		12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	SED_TEMP(2)	0			12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	SED_DEPTH(2)	0		cm	12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Sand		12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	VISIBILITY	4		mi	12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	WEATHER DESC		Partly cloudy		12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	WAVE HEIGHT LOW	5		ft	12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	DEPART TIME	1234			12-Jul-16
1607115181	PL	E14	11-Jul-16	BENTHIC	COMMENTS		Sed tox sample collected		12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	STN LONG DEG	117			12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	STN LONG MIN	19.968			12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	STN LAT DEG	32			12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	STN LAT MIN	39.879			12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	DEPTH METER	115		m	12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	ARRIVE TIME	919			12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	AIR TEMP	19		C	12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	WIND SPEED	11		kts	12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	WIND DIR		N		12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	SED_TEMP(1)	13			12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	SED_DEPTH(1)	8		cm	12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt		12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	SED_TEMP(2)	0			12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	SED_DEPTH(2)	0		cm	12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt		12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	VISIBILITY	4		mi	12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	WEATHER DESC		Partly cloudy		12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	WAVE HEIGHT LOW	5		ft	12-Jul-16
1607115182	PL	E15	11-Jul-16	BENTHIC	DEPART TIME	1101			12-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607115182	PL	E15	11-Jul-16	BENTHIC	COMMENTS		Sed tox sample collected		12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	STN LONG DEG	117			12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	STN LONG MIN	18.365			12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	STN LAT DEG	32			12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	STN LAT MIN	37.532			12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	DEPTH METER	87		m	12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	ARRIVE TIME	1251			12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	AIR TEMP	18		C	12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	WIND SPEED	10		kts	12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	WIND DIR		W		12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	SED_TEMP(1)	12			12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	SED_DEPTH(1)	8		cm	12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt		12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	SED_TEMP(2)	11			12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	SED_DEPTH(2)	8		cm	12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt		12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	VISIBILITY	12		mi	12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	WEATHER DESC		Clear		12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	DEPART TIME	1321			12-Jul-16
1607125268	PL	E1	12-Jul-16	BENTHIC	COMMENTS				12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	STN LONG DEG	117			12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	STN LONG MIN	19.093			12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	STN LAT DEG	32			12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	STN LAT MIN	37.447			12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	DEPTH METER	98		m	12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	ARRIVE TIME	1222			12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	AIR TEMP	18		C	12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	WIND SPEED	9		kts	12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	WIND DIR		S		12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	SED_TEMP(1)	11			12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	SED_DEPTH(1)	9		cm	12-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607125269	PL	E2	12-Jul-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Clay		12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	SED_TEMP(2)	11			12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	SED_DEPTH(2)	9		cm	12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Clay		12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	VISIBILITY	10		mi	12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	WEATHER DESC		Partly cloudy		12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	DEPART TIME	1244			12-Jul-16
1607125269	PL	E2	12-Jul-16	BENTHIC	COMMENTS				12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	STN LONG DEG	117			12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	STN LONG MIN	20.089			12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	STN LAT DEG	32			12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	STN LAT MIN	37.283			12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	DEPTH METER	114		m	12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	ARRIVE TIME	1152			12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	AIR TEMP	18		C	12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	WIND SPEED	7		kts	12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	WIND DIR		SE		12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	SED_TEMP(1)	10			12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	SED_DEPTH(1)	10		cm	12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	SED_TYPE(1)		Fine sand and Coarse sand with Silt		12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	SED_TEMP(2)	10			12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	SED_DEPTH(2)	8		cm	12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	SED_TYPE(2)		Sand and Fine sand		12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	VISIBILITY	10		mi	12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	WEATHER DESC		Partly cloudy		12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	DEPART TIME	1214			12-Jul-16
1607125270	PL	E3	12-Jul-16	BENTHIC	COMMENTS				12-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	STN LONG DEG	117			13-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607135386	PL	A15	13-Jul-16	BENTHIC	STN LONG MIN	16.897			13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	STN LAT DEG	32			13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	STN LAT MIN	40.091			13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	DEPTH METER	61		m	13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	ARRIVE TIME	1222			13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	AIR TEMP	19		C	13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	WIND SPEED	6		kts	13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	WIND DIR		NE		13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	SED_TEMP(1)	12			13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	SED_DEPTH(1)	9		cm	13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	SED_TYPE(1)		Silt		13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	VISIBILITY	10		mi	13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	WEATHER DESC		Mostly clear		13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	DEPART TIME	1234			13-Jul-16
1607135386	PL	A15	13-Jul-16	BENTHIC	COMMENTS		PLOO Recovery ; No BOD sampled		13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	STN LONG DEG	117			13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	STN LONG MIN	17.06			13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	STN LAT DEG	32			13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	STN LAT MIN	40.592			13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	DEPTH METER	62		m	13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	ARRIVE TIME	1204			13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	AIR TEMP	20		C	13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	WIND SPEED	5		kts	13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	WIND DIR		S		13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	SED_TEMP(1)	11			13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	SED_DEPTH(1)	10		cm	13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	SED_TYPE(1)		Silt		13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	VISIBILITY	10		mi	13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	WEATHER DESC		Mostly clear		13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	DEPART TIME	1216			13-Jul-16
1607135432	PL	A16	13-Jul-16	BENTHIC	COMMENTS		PLOO Recovery; No BOD sampled		13-Jul-16

Addendum 1A *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607135388	PL	A2	13-Jul-16	BENTHIC	STN LONG DEG	117			13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	STN LONG MIN	16.686			13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	STN LAT DEG	32			13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	STN LAT MIN	39.36			13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	DEPTH METER	60		m	13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	ARRIVE TIME	1251			13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	AIR TEMP	20		C	13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	WIND SPEED	6		kts	13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	WIND DIR		N		13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	SED_TEMP(1)	11			13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	SED_DEPTH(1)	9		cm	13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	SED_TYPE(1)		Silt with Fine sand		13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	VISIBILITY	12		mi	13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	WEATHER DESC		Haze		13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	DEPART TIME	1258			13-Jul-16
1607135388	PL	A2	13-Jul-16	BENTHIC	COMMENTS		PLOO Recovery; No BOD sampled		13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	STN LONG DEG	117			13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	STN LONG MIN	17.27			13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	STN LAT DEG	32			13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	STN LAT MIN	41.317			13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	DEPTH METER	63		m	13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	ARRIVE TIME	1139			13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	AIR TEMP	20		C	13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	WIND SPEED	5		kts	13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	WIND DIR		E		13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	SED_TEMP(1)	13			13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	SED_DEPTH(1)	8		cm	13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	SED_TYPE(1)		Silt		13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	VISIBILITY	10		mi	13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	WEATHER DESC		Mostly clear		13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135389	PL	A5	13-Jul-16	BENTHIC	DEPART TIME	1145			13-Jul-16



Addendum 1A *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
							PLOO Recovery; No BOD sampled; Animal Grab #1 - 1 Pleuroncodes planipes (Tuna Crab)		
1607135389	PL	A5	13-Jul-16	BENTHIC	COMMENTS				13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	STN LONG DEG	117			13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	STN LONG MIN	16.856			13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	STN LAT DEG	32			13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	STN LAT MIN	39.829			13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	DEPTH METER	61		m	13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	ARRIVE TIME	1235			13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	AIR TEMP	20		C	13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	WIND SPEED	6		kts	13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	WIND DIR		E		13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	SED_TEMP(1)	11			13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	SED_DEPTH(1)	9		cm	13-Jul-16
							Silt with Fine sand		
1607135390	PL	A8	13-Jul-16	BENTHIC	SED_TYPE(1)				13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	VISIBILITY	10		mi	13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	WEATHER DESC		Mostly clear		13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135390	PL	A8	13-Jul-16	BENTHIC	DEPART TIME	1246			13-Jul-16
							PLOO Recovery; No BOD sampled		
1607135390	PL	A8	13-Jul-16	BENTHIC	COMMENTS				13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	STN LONG DEG	117			13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	STN LONG MIN	17.102			13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	STN LAT DEG	32			13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	STN LAT MIN	40.822			13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	DEPTH METER	62		m	13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	ARRIVE TIME	1150			13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	AIR TEMP	20		C	13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	WIND SPEED	3		kts	13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	WIND DIR		S		13-Jul-16

Addendum 1A *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607135391	PL	A9	13-Jul-16	BENTHIC	SED_TEMP(1)	11			13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	SED_DEPTH(1)	7		cm	13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	SED_TYPE(1)		Silt		13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	VISIBILITY	10		mi	13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	WEATHER DESC		Mostly clear		13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135391	PL	A9	13-Jul-16	BENTHIC	DEPART TIME	1202			13-Jul-16
							PLOO Recovery; No BOD sampled; Animal Grab #1 - 1 Crab		
1607135391	PL	A9	13-Jul-16	BENTHIC	COMMENTS				13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	STN LONG DEG	117			13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	STN LONG MIN	18.404			13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	STN LAT DEG	32			13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	STN LAT MIN	45.423			13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	DEPTH METER	62		m	13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	ARRIVE TIME	1040			13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	AIR TEMP	20		C	13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	WIND SPEED	5		kts	13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	WIND DIR		E		13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	SED_TEMP(1)	11			13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	SED_DEPTH(1)	10		cm	13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	SED_TYPE(1)		Silt with Clay		13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	VISIBILITY	9		mi	13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	WEATHER DESC		Partly cloudy		13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135392	PL	B3	13-Jul-16	BENTHIC	DEPART TIME	1051			13-Jul-16
							PLOO Recovery; No BOD sampled		
1607135392	PL	B3	13-Jul-16	BENTHIC	COMMENTS				13-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	STN LONG DEG	117			15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	STN LONG MIN	19.295			15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	STN LAT DEG	32			15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	STN LAT MIN	38.37			15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	DEPTH METER	97		m	15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	ARRIVE TIME	1157			15-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607145616	PL	E5	14-Jul-16	BENTHIC	AIR TEMP	20		C	15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	WIND SPEED	7		kts	15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	WIND DIR		SW		15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	SED_TEMP(1)	10			15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	SED_DEPTH(1)	9		cm	15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	SED_TYPE(1)		Clay and Silt with Sand		15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	SED_TEMP(2)	10			15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	SED_DEPTH(2)	7		cm	15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	SED_TYPE(2)		Clay and Silt with Sand		15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	VISIBILITY	5		mi	15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	WEATHER DESC		Clear		15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	DEPART TIME	1232			15-Jul-16
1607145616	PL	E5	14-Jul-16	BENTHIC	COMMENTS		Grab failure due to < 5 cm Penetration		15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	STN LONG DEG	117			15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	STN LONG MIN	18.644			15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	STN LAT DEG	32			15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	STN LAT MIN	38.972			15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	DEPTH METER	89		m	15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	ARRIVE TIME	1346			15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	AIR TEMP	20		C	15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	WIND SPEED	10		kts	15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	WIND DIR		N		15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	SED_TEMP(1)	10			15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	SED_DEPTH(1)	7		cm	15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	SED_TYPE(1)		Clay and Silt		15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	SED_TEMP(2)	10			15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	SED_DEPTH(2)	7		cm	15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	SED_TYPE(2)		Clay and Silt		15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	VISIBILITY	5		mi	15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	WEATHER DESC		Clear		15-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607145617	PL	E7	14-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	DEPART TIME	1407			15-Jul-16
1607145617	PL	E7	14-Jul-16	BENTHIC	COMMENTS				15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	STN LONG DEG	117			15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	STN LONG MIN	19.365			15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	STN LAT DEG	32			15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	STN LAT MIN	38.887			15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	DEPTH METER	97		m	15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	ARRIVE TIME	1317			15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	AIR TEMP	20		C	15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	WIND SPEED	10		kts	15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	WIND DIR		E		15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	SED_TEMP(1)	10			15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	SED_DEPTH(1)	7		cm	15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	SED_TYPE(1)		Clay and Silt		15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	SED_TEMP(2)	10			15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	SED_DEPTH(2)	9		cm	15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	SED_TYPE(2)		Clay and Silt		15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	VISIBILITY	5		mi	15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	WEATHER DESC		Clear		15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	DEPART TIME	1340			15-Jul-16
1607145618	PL	E8	14-Jul-16	BENTHIC	COMMENTS				15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	STN LONG DEG	117			15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	STN LONG MIN	20.077			15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	STN LAT DEG	32			15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	STN LAT MIN	38.746			15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	DEPTH METER	114		m	15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	ARRIVE TIME	1247			15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	AIR TEMP	19		C	15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	WIND SPEED	6		kts	15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	WIND DIR		E		15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	SED_TEMP(1)	10			15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	SED_DEPTH(1)	12		cm	15-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607145619	PL	E9	14-Jul-16	BENTHIC	SED_TYPE(1)		Coarse sand and Clay with Silt		15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	SED_TEMP(2)	10			15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	SED_DEPTH(2)	10		cm	15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	SED_TYPE(2)		Coarse sand and Clay with Silt		15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	VISIBILITY	5		mi	15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	WEATHER DESC		Clear		15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	DEPART TIME	1313			15-Jul-16
1607145619	PL	E9	14-Jul-16	BENTHIC	COMMENTS				15-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	STN LONG MIN	22.159			18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	STN LAT MIN	45.224			18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	DEPTH METER	120		m	18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	ARRIVE TIME	1113			18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	AIR TEMP	19		C	18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	WIND SPEED	8		kts	18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	WIND DIR		E		18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	SED_TEMP(1)	11			18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	SED_DEPTH(1)	9		cm	18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	SED_TYPE(1)		Silt and Fine sand		18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	SED_TEMP(2)	12			18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	SED_DEPTH(2)	8		cm	18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Shell hash		18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	WEATHER DESC		Overcast		18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	DEPART TIME	1139			18-Jul-16
1607185721	PL	B10	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16

Addendum 1A *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607185722	PL	B11	18-Jul-16	BENTHIC	STN LONG MIN	21.381			18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	STN LAT MIN	46.567			18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	DEPTH METER	89		m	18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	ARRIVE TIME	958			18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	AIR TEMP	20		C	18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	WIND SPEED	3		kts	18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	WIND DIR		SW		18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	SED_TEMP(1)	12			18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	SED_DEPTH(1)	10		cm	18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	SED_TYPE(1)		Clay and Silt with Sand		18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	SED_TEMP(2)	11			18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	SED_DEPTH(2)	11		cm	18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	SED_TYPE(2)		Silt and Fine sand with Shell hash		18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	WEATHER DESC		Clear		18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	DEPART TIME	1029			18-Jul-16
1607185722	PL	B11	18-Jul-16	BENTHIC	COMMENTS		Grab failure due to rocky bottom; Grab failure due to < 5 cm penetration		18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	STN LONG MIN	22.328			18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	STN LAT MIN	46.356			18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	DEPTH METER	98		m	18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	ARRIVE TIME	1042			18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	AIR TEMP	20		C	18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	WIND SPEED	5		kts	18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	WIND DIR		S		18-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607185723	PL	B12	18-Jul-16	BENTHIC	SED_TEMP(1)	11			18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	SED_DEPTH(1)	8		cm	18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Shell hash		18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	SED_TEMP(2)	11			18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	SED_DEPTH(2)	9		cm	18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Shell hash		18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	WEATHER_DESC		Haze		18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	WAVE_HEIGHT_LOW	1		ft	18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	DEPART_TIME	1059			18-Jul-16
1607185723	PL	B12	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	STN_LONG_DEG	117			18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	STN_LONG_MIN	19.623			18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	STN_LAT_DEG	32			18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	STN_LAT_MIN	49.242			18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	DEPTH_METER	62		m	18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	ARRIVE_TIME	928			18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	AIR_TEMP	20		C	18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	WIND_SPEED	3		kts	18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	WIND_DIR		SE		18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	SED_TEMP(1)	11			18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	SED_DEPTH(1)	9		cm	18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	SED_TYPE(1)		Clay and Silt		18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	WEATHER_DESC		Clear		18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	WAVE_HEIGHT_LOW	1		ft	18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	DEPART_TIME	935			18-Jul-16
1607185732	PL	B5	18-Jul-16	BENTHIC	COMMENTS		no BOD - recovery station		18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	STN_LONG_DEG	117			18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	STN_LONG_MIN	20.797			18-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607185724	PL	B8	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	STN LAT MIN	45.497			18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	DEPTH METER	90		m	18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	ARRIVE TIME	1214			18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	AIR TEMP	20		C	18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	WIND SPEED	8		kts	18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	WIND DIR		NW		18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	SED_TEMP(1)	11			18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	SED_DEPTH(1)	13		cm	18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	SED_TYPE(1)		Silt and Clay		18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	SED_TEMP(2)	11			18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	SED_DEPTH(2)	13		cm	18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	SED_TYPE(2)		Silt and Clay		18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	WEATHER DESC		Clear		18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	DEPART TIME	1234			18-Jul-16
1607185724	PL	B8	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	STN LONG MIN	21.72			18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	STN LAT MIN	45.326			18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	DEPTH METER	101		m	18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	ARRIVE TIME	1145			18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	AIR TEMP	19		C	18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	WIND SPEED	6		kts	18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	WIND DIR		E		18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	SED_TEMP(1)	14			18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	SED_DEPTH(1)	7		cm	18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	SED_TYPE(1)		Silt and Fine sand with Clay		18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	SED_TEMP(2)	11			18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	SED_DEPTH(2)	12		cm	18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand and Silt		18-Jul-16



**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607185725	PL	B9	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	WEATHER DESC		Overcast		18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	DEPART TIME	1206			18-Jul-16
1607185725	PL	B9	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	STN LONG MIN	19.184			18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	STN LAT MIN	41.035			18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	DEPTH METER	89		m	18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	ARRIVE TIME	1452			18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	AIR TEMP	20		C	18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	WIND SPEED	9		kts	18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	WIND DIR		N		18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	SED_TEMP(1)	11			18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	SED_DEPTH(1)	10		cm	18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	SED_TYPE(1)		Silt and Clay		18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	SED_TEMP(2)	12			18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	SED_DEPTH(2)	8		cm	18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	SED_TYPE(2)		Clay and Silt		18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	WEATHER DESC		Clear		18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	DEPART TIME	1509			18-Jul-16
1607185726	PL	E19	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	STN LONG MIN	19.686			18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	STN LAT MIN	40.946			18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	DEPTH METER	98		m	18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	ARRIVE TIME	1431			18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	AIR TEMP	19		C	18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	WIND SPEED	6		kts	18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	WIND DIR		E		18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	SED_TEMP(1)	10			18-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607185727	PL	E20	18-Jul-16	BENTHIC	SED_DEPTH(1)	7		cm	18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	SED_TYPE(1)		Silt and Clay		18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	SED_TEMP(2)	12			18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	SED_DEPTH(2)	8		cm	18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	SED_TYPE(2)		Silt and Clay		18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	WEATHER DESC		Clear		18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	DEPART TIME	1448			18-Jul-16
1607185727	PL	E20	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	STN LONG MIN	19.774			18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	STN LAT MIN	41.459			18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	DEPTH METER	98		m	18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	ARRIVE TIME	1400			18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	AIR TEMP	19		C	18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	WIND SPEED	6		kts	18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	WIND DIR		SE		18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	SED_TEMP(1)	11			18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	SED_DEPTH(1)	10		cm	18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	SED_TYPE(1)		Silt and Clay		18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	SED_TEMP(2)	11			18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	SED_DEPTH(2)	8		cm	18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	SED_TYPE(2)		Silt and Clay		18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	WEATHER DESC		Clear		18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	DEPART TIME	1419			18-Jul-16
1607185728	PL	E23	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	STN LONG MIN	20.006			18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	STN LAT MIN	42.346			18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	DEPTH METER	96		m	18-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607185729	PL	E25	18-Jul-16	BENTHIC	ARRIVE TIME	1330			18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	AIR TEMP	19		C	18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	WIND SPEED	3		kts	18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	WIND DIR		S		18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	SED_TEMP(1)	11			18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	SED_DEPTH(1)	8		cm	18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	SED_TYPE(1)		Silt and Clay with Fine sand		18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	SED_TEMP(2)	11			18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	SED_DEPTH(2)	9		cm	18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	SED_TYPE(2)		Silt with Clay		18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	WEATHER DESC		Clear		18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	DEPART TIME	1350			18-Jul-16
1607185729	PL	E25	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	STN LONG DEG	117			18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	STN LONG MIN	20.563			18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	STN LAT DEG	32			18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	STN LAT MIN	43.803			18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	DEPTH METER	98		m	18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	ARRIVE TIME	1253			18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	AIR TEMP	19		C	18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	WIND SPEED	9		kts	18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	WIND DIR		E		18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	SED_TEMP(1)	11			18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	SED_DEPTH(1)	9		cm	18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	SED_TYPE(1)		Clay with Silt		18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	SED_TEMP(2)	11			18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	SED_DEPTH(2)	10		cm	18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	SED_TYPE(2)		Silt and Clay		18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	VISIBILITY	11		mi	18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	WEATHER DESC		Clear		18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185730	PL	E26	18-Jul-16	BENTHIC	DEPART TIME	1311			18-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607185730	PL	E26	18-Jul-16	BENTHIC	COMMENTS				18-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	STN LONG DEG	117			27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	STN LONG MIN	19.565			27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	STN LAT DEG	32			27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	STN LAT MIN	40.477			27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	DEPTH METER	99		m	27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	ARRIVE TIME	1358			27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	AIR TEMP	22		C	27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	WIND SPEED	6		kts	27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	WIND DIR		E		27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	SED_TEMP(1)	14			27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	SED_DEPTH(1)	6		cm	27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	SED_TYPE(1)		Silt with Fine sand		27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	SED_TEMP(2)	12			27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	SED_DEPTH(2)	9		cm	27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	SED_TYPE(2)		Silt with Fine sand		27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	VISIBILITY	14		mi	27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	WEATHER DESC		Partly cloudy		27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	DEPART TIME	1444			27-Jul-16
1607276723	PL	E17	27-Jul-16	BENTHIC	COMMENTS		Sed tox sample collected		27-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	STN LONG DEG	117			28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	STN LONG MIN	20.049			28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	STN LAT DEG	32			28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	STN LAT MIN	40.867			28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	DEPTH METER	110		m	28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	ARRIVE TIME	824			28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	AIR TEMP	22		C	28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	WIND SPEED	1		kts	28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	WIND DIR		E		28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	SED_TEMP(1)	14			28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	SED_DEPTH(1)	6		cm	28-Jul-16

**Addendum 1A** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607286900	PL	E21	28-Jul-16	BENTHIC	SED_TYPE(1)		Fine sand with Silt		28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	SED_TEMP(2)	0			28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	SED_DEPTH(2)	0		cm	28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	SED_TYPE(2)		Fine sand with Silt		28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	VISIBILITY	13		mi	28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	WEATHER DESC		Partly cloudy		28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	WAVE HEIGHT LOW	3		ft	28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	DEPART TIME	847			28-Jul-16
1607286900	PL	E21	28-Jul-16	BENTHIC	COMMENTS		One Chirodota sp.		28-Jul-16

## Addendum 1B

Visual observations from PLOO benthic stations sampled during 2017.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701056220	PL	B10	5-Jan-17	BENTHIC	STN LONG DEG	117			5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	STN LONG MIN	22.129			5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	STN LAT DEG	32			5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	STN LAT MIN	45.192			5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	DEPTH METER	116		m	5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	ARRIVE TIME	808			5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	AIR TEMP	14		C	5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	WIND SPEED	5		kts	5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	WIND DIR		SE		5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	SED_TEMP(1)	10			5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	SED_DEPTH(1)	9		cm	5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Clay		5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	SED_TEMP(2)	10			5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	SED_DEPTH(2)	8		cm	5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Clay		5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	VISIBILITY	3		mi	5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	WEATHER DESC		Overcast		5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	WAVE HEIGHT LOW	2		ft	5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	DEPART TIME	832			5-Jan-17
1701056220	PL	B10	5-Jan-17	BENTHIC	COMMENTS				5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	STN LONG DEG	117			5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	STN LONG MIN	21.339			5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	STN LAT DEG	32			5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	STN LAT MIN	46.519			5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	DEPTH METER	86		m	5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	ARRIVE TIME	911			5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	AIR TEMP	14		C	5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	WIND SPEED	6		kts	5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	WIND DIR		SE		5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	SED_TEMP(1)	12			5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	5-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701056221	PL	B11	5-Jan-17	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Sand		5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	SED_TEMP(2)	12			5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	SED_DEPTH(2)	10		cm	5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Sand		5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	VISIBILITY	3		mi	5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	WEATHER DESC		Overcast		5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	WAVE HEIGHT LOW	2		ft	5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	DEPART TIME	1005			5-Jan-17
1701056221	PL	B11	5-Jan-17	BENTHIC	COMMENTS		Grab1-3 failure due to Canted; Grab 4 failure due to Rocky Bottom		5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	STN LONG DEG	117			5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	STN LONG MIN	22.29			5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	STN LAT DEG	32			5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	STN LAT MIN	46.345			5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	DEPTH METER	97		m	5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	ARRIVE TIME	842			5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	AIR TEMP	14		C	5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	WIND SPEED	12		kts	5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	WIND DIR		W		5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	SED_TEMP(1)	11			5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	SED_DEPTH(1)	8		cm	5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	SED_TYPE(1)		Sand with Shell hash with Fine sand		5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	SED_TEMP(2)	11			5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	SED_DEPTH(2)	8		cm	5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	SED_TYPE(2)		Sand and Fine sand with Shell hash		5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	VISIBILITY	3		mi	5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	WEATHER DESC		Overcast		5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	WAVE HEIGHT LOW	2		ft	5-Jan-17
1701056222	PL	B12	5-Jan-17	BENTHIC	DEPART TIME	901			5-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701056222	PL	B12	5-Jan-17	BENTHIC	COMMENTS				5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	STN LONG DEG	117			5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	STN LONG MIN	20.787			5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	STN LAT DEG	32			5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	STN LAT MIN	45.452			5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	DEPTH METER	89		m	5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	ARRIVE TIME	1042			5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	AIR TEMP	14		C	5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	WIND SPEED	9		kts	5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	WIND DIR		SE		5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	SED_TEMP(1)	10			5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	SED_DEPTH(1)	12		cm	5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Clay with Fine sand		5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	SED_TEMP(2)	10			5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	SED_DEPTH(2)	11		cm	5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Clay with Fine sand		5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	VISIBILITY	2		mi	5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	WEATHER DESC		Rain		5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	WAVE HEIGHT LOW	2		ft	5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	DEPART TIME	1059			5-Jan-17
1701056223	PL	B8	5-Jan-17	BENTHIC	COMMENTS				5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	STN LONG DEG	117			5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	STN LONG MIN	21.695			5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	STN LAT DEG	32			5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	STN LAT MIN	45.299			5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	DEPTH METER	99		m	5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	ARRIVE TIME	1016			5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	AIR TEMP	14		C	5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	WIND SPEED	18		kts	5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	WIND DIR		NW		5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	SED_TEMP(1)	11			5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	SED_DEPTH(1)	10		cm	5-Jan-17



**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701056224	PL	B9	5-Jan-17	BENTHIC	SED_TYPE(1)		Silt with Clay with Fine sand		5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	SED_TEMP(2)	10			5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	SED_DEPTH(2)	10		cm	5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Clay		5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	VISIBILITY	3		mi	5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	WEATHER_DESC		Drizzle		5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	WAVE_HEIGHT_LOW	2		ft	5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	DEPART_TIME	1034			5-Jan-17
1701056224	PL	B9	5-Jan-17	BENTHIC	COMMENTS				5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	STN_LONG_DEG	117			5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	STN_LONG_MIN	19.763			5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	STN_LAT_DEG	32			5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	STN_LAT_MIN	41.484			5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	DEPTH_METER	97		m	5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	ARRIVE_TIME	1247			5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	AIR_TEMP	15		C	5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	WIND_SPEED	5		kts	5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	WIND_DIR		SE		5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	SED_TEMP(1)	10			5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Shell hash		5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	SED_TEMP(2)	11			5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	SED_DEPTH(2)	8		cm	5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Silt		5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	VISIBILITY	3		mi	5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	WEATHER_DESC		Drizzle		5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	WAVE_HEIGHT_LOW	5		ft	5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	DEPART_TIME	1308			5-Jan-17
1701056225	PL	E23	5-Jan-17	BENTHIC	COMMENTS				5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	STN_LONG_DEG	117			5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	STN_LONG_MIN	20.055			5-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701056226	PL	E25	5-Jan-17	BENTHIC	STN LAT DEG	32			5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	STN LAT MIN	42.359			5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	DEPTH METER	97		m	5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	ARRIVE TIME	1201			5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	AIR TEMP	14		C	5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	WIND SPEED	16		kts	5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	WIND DIR		S		5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	SED_TEMP(1)	11			5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Fine sand		5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	SED_TEMP(2)	10			5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	SED_DEPTH(2)	11		cm	5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Fine sand		5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	VISIBILITY	2		mi	5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	WEATHER DESC		Rain		5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	WAVE HEIGHT LOW	2		ft	5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	DEPART TIME	1233			5-Jan-17
1701056226	PL	E25	5-Jan-17	BENTHIC	COMMENTS		Grab failure due to Canted		5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	STN LONG DEG	117			5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	STN LONG MIN	20.561			5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	STN LAT DEG	32			5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	STN LAT MIN	43.822			5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	DEPTH METER	97		m	5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	ARRIVE TIME	1114			5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	AIR TEMP	14		C	5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	WIND SPEED	15		kts	5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	WIND DIR		NW		5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	SED_TEMP(1)	11			5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	SED_TYPE(1)		Fine sand with Silt with Shell hash		5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	SED_TEMP(2)	11			5-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701056227	PL	E26	5-Jan-17	BENTHIC	SED_DEPTH(2)	9	Silt and Clay with Shell	cm	5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	SED_TYPE(2)		hash		5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	VISIBILITY	2		mi	5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	WEATHER DESC		Rain		5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	WAVE HEIGHT LOW	2		ft	5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	DEPART TIME	1144			5-Jan-17
1701056227	PL	E26	5-Jan-17	BENTHIC	COMMENTS		Grab failure due to		
1701056227	PL	E26	5-Jan-17	BENTHIC	COMMENTS		Canted		5-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	STN LONG MIN	19.47			11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	STN LAT MIN	39.4			11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	DEPTH METER	97		m	11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	ARRIVE TIME	1129			11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	AIR TEMP	16		C	11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	WIND SPEED	0		kts	11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	WIND DIR		XX		11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	SED_TEMP(1)	11			11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	SED_DEPTH(2)	7		cm	11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	SED_TYPE(2)		Fine sand and Silt		11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	VISIBILITY	5		mi	11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	WEATHER DESC		Partly cloudy		11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	WAVE HEIGHT LOW	4		ft	11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	DEPART TIME	1153			11-Jan-17
1701106557	PL	E11	10-Jan-17	BENTHIC	COMMENTS		Animal Grab #2 - 1		
1701106557	PL	E11	10-Jan-17	BENTHIC	COMMENTS		Lytechinus pictus		11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	STN LONG MIN	19.5			11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	STN LAT MIN	39.936			11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	DEPTH METER	98		m	11-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701106558	PL	E14	10-Jan-17	BENTHIC	ARRIVE TIME	1004			11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	AIR TEMP	15		C	11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	WIND SPEED	2		kts	11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	WIND DIR		E		11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	SED_TEMP(1)	10			11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	SED_TEMP(2)	10			11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	SED_DEPTH(2)	7		cm	11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Fine sand		11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	VISIBILITY	4		mi	11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	WEATHER DESC		Partly cloudy		11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	WAVE HEIGHT LOW	4		ft	11-Jan-17
1701106558	PL	E14	10-Jan-17	BENTHIC	DEPART TIME	1045			11-Jan-17
							1st Grab failure due to Canted; 2nd Grab Failed - Chain; 3rd Grab Failed - Chain; 4th Grab failure due to Poor Closure; Animal Grab #2 - 1 Pleuroncodes planipes (Tuna Crab)		
1701106558	PL	E14	10-Jan-17	BENTHIC	COMMENTS				11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	STN LONG MIN	19.904			11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	STN LAT MIN	39.881			11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	DEPTH METER	113		m	11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	ARRIVE TIME	1048			11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	AIR TEMP	15		C	11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	WIND SPEED	0		kts	11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	WIND DIR		XX		11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	SED_TEMP(1)	10			11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		11-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701106559	PL	E15	10-Jan-17	BENTHIC	SED_TEMP(2)	10			11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	SED_DEPTH(2)	7		cm	11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Fine sand		11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	VISIBILITY	5		mi	11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	WEATHER_DESC		Partly cloudy		11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	WAVE_HEIGHT_LOW	4		ft	11-Jan-17
1701106559	PL	E15	10-Jan-17	BENTHIC	DEPART_TIME	1124			11-Jan-17
							1st Grab Failed - Chain; 2nd Grab failure due to Poor Closure; Animal Grab #1 - 1 Pleuroncodes planipes (Tuna Crab); Animal Grab #2 - 1 Pleuroncodes planipes (Tuna Crab)		
1701106559	PL	E15	10-Jan-17	BENTHIC	COMMENTS				11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	STN_LONG_DEG	117			11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	STN_LONG_MIN	19.568			11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	STN_LAT_DEG	32			11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	STN_LAT_MIN	40.486			11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	DEPTH_METER	98		m	11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	ARRIVE_TIME	935			11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	AIR_TEMP	15		C	11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	WIND_SPEED	3		kts	11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	WIND_DIR		W		11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	SED_TEMP(1)	13			11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	SED_DEPTH(2)	7		cm	11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Fine sand		11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	VISIBILITY	3		mi	11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	WEATHER_DESC		Overcast		11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	WAVE_HEIGHT_LOW	4		ft	11-Jan-17
1701106560	PL	E17	10-Jan-17	BENTHIC	DEPART_TIME	959			11-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701106560	PL	E17	10-Jan-17	BENTHIC	COMMENTS		Animal Grab #1 - 1 Lytechinus pictus		11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	STN LONG MIN	19.184			11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	STN LAT MIN	41.048			11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	DEPTH METER	90		m	11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	ARRIVE TIME	759			11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	AIR TEMP	14		C	11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	WIND SPEED	3		kts	11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	WIND DIR		NE		11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	SED_TEMP(1)	12			11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	SED_DEPTH(1)	7		cm	11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	SED_DEPTH(2)	60		cm	11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Fine sand		11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	VISIBILITY	3		mi	11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	WEATHER DESC		Overcast		11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	WAVE HEIGHT LOW	4		ft	11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	DEPART TIME	826			11-Jan-17
1701106561	PL	E19	10-Jan-17	BENTHIC	COMMENTS				11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	STN LONG MIN	19.707			11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	STN LAT MIN	40.967			11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	DEPTH METER	100		m	11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	ARRIVE TIME	833			11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	AIR TEMP	14		C	11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	WIND SPEED	3		kts	11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	WIND DIR		E		11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	SED_TEMP(1)	11			11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	SED_DEPTH(1)	7		cm	11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701106562	PL	E20	10-Jan-17	BENTHIC	SED_DEPTH(2)	8		cm	11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Fine sand		11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	VISIBILITY	3		mi	11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	WEATHER_DESC		Overcast		11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	WAVE_HEIGHT_LOW	4		ft	11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	DEPART_TIME	859			11-Jan-17
1701106562	PL	E20	10-Jan-17	BENTHIC	COMMENTS				11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	STN_LONG_DEG	117			11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	STN_LONG_MIN	20.029			11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	STN_LAT_DEG	32			11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	STN_LAT_MIN	40.9			11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	DEPTH_METER	119		m	11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	ARRIVE_TIME	902			11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	AIR_TEMP	15		C	11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	WIND_SPEED	3		kts	11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	WIND_DIR		NE		11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	SED_TEMP(1)	11			11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	SED_DEPTH(1)	7		cm	11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	SED_DEPTH(2)	7		cm	11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Fine sand		11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	VISIBILITY	3		mi	11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	WEATHER_DESC		Overcast		11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	WAVE_HEIGHT_LOW	4		ft	11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	DEPART_TIME	929			11-Jan-17
1701106563	PL	E21	10-Jan-17	BENTHIC	COMMENTS				11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	STN_LONG_DEG	117			11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	STN_LONG_MIN	19.354			11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	STN_LAT_DEG	32			11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	STN_LAT_MIN	38.905			11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	DEPTH_METER	96		m	11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	ARRIVE_TIME	1240			11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	AIR_TEMP	16		C	11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	WIND_SPEED	3		kts	11-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701106564	PL	E8	10-Jan-17	BENTHIC	WIND DIR		NW		11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	SED_TEMP(1)	11			11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	SED_DEPTH(1)	6		cm	11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	SED_TEMP(2)	12			11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	SED_DEPTH(2)	8		cm	11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Fine sand		11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	VISIBILITY	7		mi	11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	WEATHER DESC		Partly cloudy		11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	WAVE HEIGHT LOW	4		ft	11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	DEPART TIME	1310			11-Jan-17
1701106564	PL	E8	10-Jan-17	BENTHIC	COMMENTS		2nd Grab Failed - Chain; Grab failure due to Poor Closure		11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	STN LONG MIN	20.072			11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	STN LAT MIN	38.77			11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	DEPTH METER	113		m	11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	ARRIVE TIME	1201			11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	AIR TEMP	16		C	11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	WIND SPEED	0		kts	11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	WIND DIR		XX		11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	SED_TEMP(1)	12			11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	SED_DEPTH(1)	10		cm	11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand with Coarse sand		11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	SED_TEMP(2)	12			11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	SED_DEPTH(2)	8		cm	11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	SED_TYPE(2)		Silt and Fine sand with Coarse sand		11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	VISIBILITY	7		mi	11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	WEATHER DESC		Partly cloudy		11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	WAVE HEIGHT LOW	4		ft	11-Jan-17
1701106565	PL	E9	10-Jan-17	BENTHIC	DEPART TIME	1233			11-Jan-17



**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701106565	PL	E9	10-Jan-17	BENTHIC	COMMENTS		2nd Grab Failed - Chain; Grab failure due to Poor Closure		11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	STN LONG MIN	18.334			11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	STN LAT MIN	37.501			11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	DEPTH METER	88		m	11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	ARRIVE TIME	1017			11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	AIR TEMP	15		C	11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	WIND SPEED	16		kts	11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	WIND DIR		N		11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	SED_TEMP(1)	11			11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	SED_DEPTH(1)	8		cm	11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	SED_TYPE(1)		Fine sand and Silt with Sand		11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	SED_TEMP(2)	10			11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	SED_DEPTH(2)	7		cm	11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Shell hash		11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	VISIBILITY	7		mi	11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	WEATHER DESC		Partly cloudy		11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	WAVE HEIGHT LOW	4		ft	11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	DEPART TIME	1040			11-Jan-17
1701116646	PL	E1	11-Jan-17	BENTHIC	COMMENTS				11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	STN LONG MIN	19.089			11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	STN LAT MIN	37.445			11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	DEPTH METER	96		m	11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	ARRIVE TIME	941			11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	AIR TEMP	15		C	11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	WIND SPEED	15		kts	11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	WIND DIR		W		11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	SED_TEMP(1)	12			11-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701116647	PL	E2	11-Jan-17	BENTHIC	SED_DEPTH(1)	8		cm	11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	SED_TYPE(1)		Sand and Fine sand with Shell hash		11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	SED_DEPTH(2)	6		cm	11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	SED_TYPE(2)		Sand and Fine sand with Shell hash		11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	VISIBILITY	7		mi	11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	WEATHER DESC		Partly cloudy		11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	WAVE HEIGHT LOW	4		ft	11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	DEPART TIME	1010			11-Jan-17
1701116647	PL	E2	11-Jan-17	BENTHIC	COMMENTS				11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	STN LONG MIN	20.096			11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	STN LAT MIN	37.283			11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	DEPTH METER	112		m	11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	ARRIVE TIME	905			11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	AIR TEMP	15		C	11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	WIND SPEED	13		kts	11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	WIND DIR		N		11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	SED_TEMP(1)	10			11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	SED_DEPTH(1)	8		cm	11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	SED_TYPE(1)		Sand and Coarse sand with Shell hash		11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	SED_DEPTH(2)	6		cm	11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	SED_TYPE(2)		Sand and Coarse sand with Shell hash		11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	VISIBILITY	7		mi	11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	WEATHER DESC		Partly cloudy		11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	WAVE HEIGHT LOW	3		ft	11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	DEPART TIME	931			11-Jan-17
1701116648	PL	E3	11-Jan-17	BENTHIC	COMMENTS		Tuna crabs in grab ~5		11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701116649	PL	E5	11-Jan-17	BENTHIC	STN LONG MIN	19.287			11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	STN LAT MIN	38.339			11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	DEPTH METER	98		m	11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	ARRIVE TIME	824			11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	AIR TEMP	15		C	11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	WIND SPEED	13		kts	11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	WIND DIR		E		11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	SED_TEMP(1)	11			11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	SED_DEPTH(1)	7		cm	11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	SED_TYPE(1)		Fine sand and Silt		11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	SED_DEPTH(2)	7		cm	11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	SED_TYPE(2)		Fine sand and Silt with Sand		11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	VISIBILITY	7		mi	11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	WEATHER DESC		Partly cloudy		11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	WAVE HEIGHT LOW	3		ft	11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	DEPART TIME	852			11-Jan-17
1701116649	PL	E5	11-Jan-17	BENTHIC	COMMENTS		Grab failure due to no contact w/ bottom		11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	STN LONG DEG	117			11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	STN LONG MIN	18.644			11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	STN LAT DEG	32			11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	STN LAT MIN	39.005			11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	DEPTH METER	89		m	11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	ARRIVE TIME	749			11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	AIR TEMP	15		C	11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	WIND SPEED	6		kts	11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	WIND DIR		N		11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	SED_TEMP(1)	11			11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	SED_DEPTH(1)	7		cm	11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	SED_TYPE(1)		Clay and Silt with Fine sand		11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	SED_TEMP(2)	11			11-Jan-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701116650	PL	E7	11-Jan-17	BENTHIC	SED_DEPTH(2)	9		cm	11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	SED_DEPTH(2)		Silt and Clay with Fine sand		11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	VISIBILITY	7		mi	11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	WEATHER_DESC		Partly cloudy		11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	WAVE_HEIGHT_LOW	3		ft	11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	DEPART_TIME	817			11-Jan-17
1701116650	PL	E7	11-Jan-17	BENTHIC	COMMENTS				11-Jan-17
1707116812	PL	E11	11-Jul-17	BENTHIC	STN_LONG_DEG	117			14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	STN_LONG_MIN	19.451			14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	STN_LAT_DEG	32			14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	STN_LAT_MIN	39.384			14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	DEPTH_METER	96		m	14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	ARRIVE_TIME	758			14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	AIR_TEMP	20		C	14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	WIND_SPEED	5		kts	14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	WIND_DIR		SE		14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	SED_TEMP(1)	12			14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	SED_DEPTH(1)	8		cm	14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	SED_DEPTH(1)		Silt and Fine sand with Shell hash		14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	SED_TEMP(1)	9		mi	14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	VISIBILITY				14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	WEATHER_DESC		Overcast		14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	SEA_STATE		Calm		14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	WAVE_HEIGHT_LOW	4		ft	14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	WATER_COLOR_CODE		Green		14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	WAVE_PER		13-15	sec	14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	DEPART_TIME	842			14-Jul-17
1707116812	PL	E11	11-Jul-17	BENTHIC	COMMENTS		Sedtox station		14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	STN_LONG_DEG	117			14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	STN_LONG_MIN	19.497			14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	STN_LAT_DEG	32			14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	STN_LAT_MIN	39.915			14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	DEPTH_METER	97		m	14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	ARRIVE_TIME	906			14-Jul-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707116813	PL	E14	11-Jul-17	BENTHIC	AIR TEMP	19		C	14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	WIND SPEED	4		kts	14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	WIND DIR		SE		14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	SED_TEMP(1)	10			14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	SED_DEPTH(1)	8		cm	14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand with Clay		14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	VISIBILITY	9		mi	14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	WEATHER DESC		Overcast		14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	SEA STATE		Calm		14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	WATER COLOR CODE		Green		14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	WAVE PER		13-15	sec	14-Jul-17
1707116813	PL	E14	11-Jul-17	BENTHIC	DEPART TIME	944			14-Jul-17
							Sedtox station; Peat gravel in all grab samples at E14		
1707116813	PL	E14	11-Jul-17	BENTHIC	COMMENTS				14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	STN LONG DEG	117			14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	STN LONG MIN	19.906			14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	STN LAT DEG	32			14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	STN LAT MIN	39.861			14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	DEPTH METER	113		m	14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	ARRIVE TIME	951			14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	AIR TEMP	20		C	14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	WIND SPEED	2		kts	14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	WIND DIR		W		14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	SED_TEMP(1)	10			14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	SED_DEPTH(1)	10		cm	14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	SED_TYPE(1)		Clay and Silt with Gravel		14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	VISIBILITY	9		mi	14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	WEATHER DESC		Overcast		14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	SEA STATE		Calm		14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	WATER COLOR CODE		Green		14-Jul-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707116814	PL	E15	11-Jul-17	BENTHIC	WAVE PER		13-15	sec	14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	DEPART TIME	1028			14-Jul-17
1707116814	PL	E15	11-Jul-17	BENTHIC	COMMENTS		Sedtox station		14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	STN LONG DEG	117			14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	STN LONG MIN	19.537			14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	STN LAT DEG	32			14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	STN LAT MIN	40.467			14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	DEPTH METER	97		m	14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	ARRIVE TIME	1034			14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	AIR TEMP	20		C	14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	WIND SPEED	4		kts	14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	WIND DIR		W		14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	SED_TEMP(1)	10			14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	SED_DEPTH(1)	9		cm	14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	SED_TYPE(1)		Clay and Silt		14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	VISIBILITY	9		mi	14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	WEATHER DESC		Overcast		14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	SEA STATE		Calm		14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	WATER COLOR CODE		Green		14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	WAVE PER		13-15	sec	14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	DEPART TIME	1112			14-Jul-17
1707116815	PL	E17	11-Jul-17	BENTHIC	COMMENTS		Sedtox station		14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	STN LONG DEG	117			14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	STN LONG MIN	19.165			14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	STN LAT DEG	32			14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	STN LAT MIN	41.032			14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	DEPTH METER	89		m	14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	ARRIVE TIME	1211			14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	AIR TEMP	20		C	14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	WIND SPEED	4		kts	14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	WIND DIR		N		14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	SED_TEMP(1)	10			14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	SED_DEPTH(1)	12		cm	14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	SED_TYPE(1)		Clay and Silt		14-Jul-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707116816	PL	E19	11-Jul-17	BENTHIC	VISIBILITY	12		mi	14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	WEATHER DESC		Clear		14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	SEA STATE		Calm		14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	WATER COLOR CODE		Green		14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	WAVE PER		13-15	sec	14-Jul-17
1707116816	PL	E19	11-Jul-17	BENTHIC	DEPART TIME	1223			14-Jul-17
							One Lyticinus pictus removed from sample identified and released.		
1707116816	PL	E19	11-Jul-17	BENTHIC	COMMENTS				14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	STN LONG DEG	117			14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	STN LONG MIN	19.633			14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	STN LAT DEG	32			14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	STN LAT MIN	40.94			14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	DEPTH METER	98		m	14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	ARRIVE TIME	1155			14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	AIR TEMP	20		C	14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	WIND SPEED	6		kts	14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	WIND DIR		E		14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	SED_TEMP(1)	10			14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	SED_DEPTH(1)	8		cm	14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	SED_TYPE(1)		Clay and Silt		14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	VISIBILITY	12		mi	14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	WEATHER DESC		Clear		14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	SEA STATE		Calm		14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	WATER COLOR CODE		Green		14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	WAVE PER		13-15	sec	14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	DEPART TIME	1205			14-Jul-17
1707116817	PL	E20	11-Jul-17	BENTHIC	COMMENTS				14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	STN LONG DEG	117			14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	STN LONG MIN	19.964			14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	STN LAT DEG	32			14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	STN LAT MIN	40.891			14-Jul-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707116818	PL	E21	11-Jul-17	BENTHIC	DEPTH METER	113		m	14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	ARRIVE TIME	1127			14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	AIR TEMP	20		C	14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	WIND SPEED	4		kts	14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	WIND DIR		N		14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	SED_TEMP(1)	10			14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	SED_DEPTH(1)	10		cm	14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	SED_TYPE(1)		Silt and Clay		14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	VISIBILITY	12		mi	14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	WEATHER DESC		Clear		14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	SEA STATE		Calm		14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	WATER COLOR CODE		Green		14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	WAVE PER		13-15	sec	14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	DEPART TIME	1154			14-Jul-17
1707116818	PL	E21	11-Jul-17	BENTHIC	COMMENTS		Grab failure due to Poor Closure		14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	STN LONG DEG	117			14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	STN LONG MIN	18.639			14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	STN LAT DEG	32			14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	STN LAT MIN	38.988			14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	DEPTH METER	89		m	14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	ARRIVE TIME	1317			14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	AIR TEMP	20		C	14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	WIND SPEED	6		kts	14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	WIND DIR		S		14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	SED_TEMP(1)	11			14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	SED_DEPTH(1)	9		cm	14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	SED_TYPE(1)		Clay with Silt		14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	VISIBILITY	12		mi	14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	WEATHER DESC		Clear		14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	SEA STATE		Calm		14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	WATER COLOR CODE		Green		14-Jul-17
1707116819	PL	E7	11-Jul-17	BENTHIC	WAVE PER		13-15	sec	14-Jul-17



**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707116819	PL	E7	11-Jul-17	BENTHIC	DEPART TIME	1326			14-Jul-17
							One Glousulax removed from sample identified and released		
1707116819	PL	E7	11-Jul-17	BENTHIC	COMMENTS				14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	STN LONG DEG	117			14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	STN LONG MIN	19.362			14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	STN LAT DEG	32			14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	STN LAT MIN	38.903			14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	DEPTH METER	97		m	14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	ARRIVE TIME	1258			14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	AIR TEMP	20		C	14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	WIND SPEED	7		kts	14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	WIND DIR		SW		14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	SED_TEMP(1)	10			14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	SED_DEPTH(1)	8		cm	14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	SED_TYPE(1)		Silt with Fine sand		14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	VISIBILITY	12		mi	14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	WEATHER DESC		Clear		14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	SEA STATE		Calm		14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	WATER COLOR CODE		Green		14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	WAVE PER		13-15	sec	14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	DEPART TIME	1309			14-Jul-17
1707116820	PL	E8	11-Jul-17	BENTHIC	COMMENTS				14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	STN LONG DEG	117			14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	STN LONG MIN	20.041			14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	STN LAT DEG	32			14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	STN LAT MIN	38.741			14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	DEPTH METER	113		m	14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	ARRIVE TIME	1242			14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	AIR TEMP	20		C	14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	WIND SPEED	5		kts	14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	WIND DIR		SE		14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	SED_TEMP(1)	10			14-Jul-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707116821	PL	E9	11-Jul-17	BENTHIC	SED_DEPTH(1)	12		cm	14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	SED_TYPE(1)		Silt and Clay with Fine sand		14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	VISIBILITY	12		mi	14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	WEATHER_DESC		Clear		14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	SEA_STATE		Calm		14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	WAVE_HEIGHT_LOW	4		ft	14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	WATER_COLOR_CODE		Green		14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	WAVE_PER		13-15	sec	14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	DEPART_TIME	1254			14-Jul-17
1707116821	PL	E9	11-Jul-17	BENTHIC	COMMENTS		Gravel in sediment also		14-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	STN_LONG_DEG	117			20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	STN_LONG_MIN	18.356			20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	STN_LAT_DEG	32			20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	STN_LAT_MIN	37.535			20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	DEPTH_METER	86		m	20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	ARRIVE_TIME	1145			20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	AIR_TEMP	22		C	20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	WIND_SPEED	5		kts	20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	WIND_DIR		NE		20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	SED_TEMP(1)	11			20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	SED_DEPTH(1)	8		cm	20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	SED_TYPE(1)		Silt with Clay with Fine sand		20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	VISIBILITY	12		mi	20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	WEATHER_DESC		Partly cloudy		20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	SEA_STATE		Calm		20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	WAVE_HEIGHT_LOW	5		ft	20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	WATER_COLOR_CODE		Green		20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	WAVE_PER		12-Nov	sec	20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	DEPART_TIME	1200			20-Jul-17
1707197306	PL	E1	19-Jul-17	BENTHIC	COMMENTS		Grab failure due to Poor Closure		20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	STN_LONG_DEG	117			20-Jul-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707197307	PL	E2	19-Jul-17	BENTHIC	STN LONG MIN	19.099			20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	STN LAT DEG	32			20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	STN LAT MIN	37.467			20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	DEPTH METER	97		m	20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	ARRIVE TIME	1129			20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	AIR TEMP	22		C	20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	WIND SPEED	3		kts	20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	WIND DIR		S		20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	SED_TEMP(1)	11			20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	SED_DEPTH(1)	10		cm	20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	SED_TYPE(1)		Fine sand and Clay with Sand and Shell Hash		20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	VISIBILITY	10		mi	20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	WEATHER DESC		Overcast		20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	SEA STATE		Calm		20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	WATER COLOR CODE		Green		20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	WAVE PER		12-Nov	sec	20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	DEPART TIME	1141			20-Jul-17
1707197307	PL	E2	19-Jul-17	BENTHIC	COMMENTS				20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	STN LONG DEG	117			20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	STN LONG MIN	20.087			20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	STN LAT DEG	32			20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	STN LAT MIN	37.313			20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	DEPTH METER	111		m	20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	ARRIVE TIME	956			20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	AIR TEMP	22		C	20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	WIND SPEED	4		kts	20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	WIND DIR		E		20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	SED_TEMP(1)	11			20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	SED_DEPTH(1)	9		cm	20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	SED_TYPE(1)		Fine sand and Sand with Silt		20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	VISIBILITY	10		mi	20-Jul-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707197308	PL	E3	19-Jul-17	BENTHIC	WEATHER DESC		Overcast		20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	SEA STATE		Calm		20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	WATER COLOR CODE		Green		20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	WAVE PER		12-Nov	sec	20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	DEPART TIME	1020			20-Jul-17
1707197308	PL	E3	19-Jul-17	BENTHIC	COMMENTS		Grab failure due to Poor Closure		20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	STN LONG DEG	117			20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	STN LONG MIN	19.276			20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	STN LAT DEG	32			20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	STN LAT MIN	38.374			20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	DEPTH METER	97		m	20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	ARRIVE TIME	1111			20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	AIR TEMP	22		C	20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	WIND SPEED	3		kts	20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	WIND DIR		W		20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	SED_TEMP(1)	11			20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	SED_DEPTH(1)	10		cm	20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	SED_TYPE(1)		Silt with Fine sand with Clay		20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	VISIBILITY	10		mi	20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	WEATHER DESC		Overcast		20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	SEA STATE		Calm		20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	WATER COLOR CODE		Green		20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	WAVE PER		12-Nov	sec	20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	DEPART TIME	1121			20-Jul-17
1707197309	PL	E5	19-Jul-17	BENTHIC	COMMENTS				20-Jul-17
1707267769	PL	B10	26-Jul-17	BENTHIC	STN LONG DEG	117			4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	STN LONG MIN	22.174			4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	STN LAT DEG	32			4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	STN LAT MIN	45.228			4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	DEPTH METER	119		m	4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	ARRIVE TIME	1010			4-Aug-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707267769	PL	B10	26-Jul-17	BENTHIC	AIR TEMP	21		C	4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	WIND SPEED	8		kts	4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	WIND DIR		N		4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	SED_TEMP(1)	11			4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	SED_DEPTH(1)	7		cm	4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	VISIBILITY	10		mi	4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	WEATHER DESC		Overcast		4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	SEA STATE		Choppy		4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	WATER COLOR CODE		Blue		4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	WAVE PER		13-15	sec	4-Aug-17
1707267769	PL	B10	26-Jul-17	BENTHIC	DEPART TIME	1022			4-Aug-17
							Animal Grab #1 - 1 Strongylocentrotus fragilis		
1707267769	PL	B10	26-Jul-17	BENTHIC	COMMENTS				4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	STN LONG DEG	117			4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	STN LONG MIN	21.336			4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	STN LAT DEG	32			4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	STN LAT MIN	46.578			4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	DEPTH METER	87		m	4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	ARRIVE TIME	934			4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	AIR TEMP	21		C	4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	WIND SPEED	5		kts	4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	WIND DIR		W		4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	SED_TEMP(1)	11			4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	SED_DEPTH(1)	8		cm	4-Aug-17
							Silt with Fine sand with Sand		
1707267770	PL	B11	26-Jul-17	BENTHIC	SED_TYPE(1)				4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	VISIBILITY	9		mi	4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	WEATHER DESC		Overcast		4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	SEA STATE		Choppy		4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	WAVE HEIGHT LOW	3		ft	4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	WATER COLOR CODE		Blue		4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	WAVE PER		13-15	sec	4-Aug-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707267770	PL	B11	26-Jul-17	BENTHIC	DEPART TIME	946			4-Aug-17
1707267770	PL	B11	26-Jul-17	BENTHIC	COMMENTS				4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	COMMENTS				4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	STN LONG DEG	117			4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	STN LONG MIN	22.299			4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	STN LAT DEG	32			4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	STN LAT MIN	46.372			4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	DEPTH METER	97		m	4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	ARRIVE TIME	951			4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	AIR TEMP	21		C	4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	WIND SPEED	8		kts	4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	WIND DIR		N		4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	SED_TEMP(1)	11			4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	SED_DEPTH(1)	7		cm	4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand with Shell hash		4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	VISIBILITY	9		mi	4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	WEATHER DESC		Overcast		4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	SEA STATE		Choppy		4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	WAVE HEIGHT LOW	3		ft	4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	WATER COLOR CODE		Blue		4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	WAVE PER		13-15	sec	4-Aug-17
1707267771	PL	B12	26-Jul-17	BENTHIC	DEPART TIME	1004			4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	STN LONG DEG	117			4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	STN LONG MIN	20.765			4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	STN LAT DEG	32			4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	STN LAT MIN	45.495			4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	DEPTH METER	90		m	4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	ARRIVE TIME	1040			4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	AIR TEMP	21		C	4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	WIND SPEED	11		kts	4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	WIND DIR		SW		4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	SED_TEMP(1)	10			4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	SED_DEPTH(1)	13		cm	4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	SED_TYPE(1)		Silt with Clay		4-Aug-17

Addendum 1B *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707267772	PL	B8	26-Jul-17	BENTHIC	VISIBILITY	10		mi	4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	WEATHER DESC		Overcast		4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	SEA STATE		Choppy		4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	WATER COLOR CODE		Blue		4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	WAVE PER		13-15	sec	4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	DEPART TIME	1050			4-Aug-17
1707267772	PL	B8	26-Jul-17	BENTHIC	COMMENTS				4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	STN LONG DEG	117			4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	STN LONG MIN	21.699			4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	STN LAT DEG	32			4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	STN LAT MIN	45.326			4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	DEPTH METER	99		m	4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	ARRIVE TIME	1024			4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	AIR TEMP	21		C	4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	WIND SPEED	8		kts	4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	WIND DIR		W		4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	SED_TEMP(1)	10			4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	SED_DEPTH(1)	10		cm	4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand with Sand		4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	VISIBILITY	10		mi	4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	WEATHER DESC		Overcast		4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	SEA STATE		Choppy		4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	WATER COLOR CODE		Blue		4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	WAVE PER		13-15	sec	4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	DEPART TIME	1032			4-Aug-17
1707267773	PL	B9	26-Jul-17	BENTHIC	COMMENTS				4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	STN LONG DEG	117			4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	STN LONG MIN	19.77			4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	STN LAT DEG	32			4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	STN LAT MIN	41.479			4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	DEPTH METER	97		m	4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	ARRIVE TIME	1239			4-Aug-17

**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707267774	PL	E23	26-Jul-17	BENTHIC	AIR TEMP	21		C	4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	WIND SPEED	11		kts	4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	WIND DIR		W		4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	SED_TEMP(1)	11			4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	SED_DEPTH(1)	8		cm	4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	SED_TYPE(1)		Silt with Fine sand		4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	VISIBILITY	10		mi	4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	WEATHER DESC		Overcast		4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	SEA STATE		Choppy		4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	WATER COLOR CODE		Blue		4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	WAVE PER		13-15	sec	4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	DEPART TIME	1249			4-Aug-17
1707267774	PL	E23	26-Jul-17	BENTHIC	COMMENTS				4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	STN LONG DEG	117			4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	STN LONG MIN	20.031			4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	STN LAT DEG	32			4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	STN LAT MIN	42.385			4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	DEPTH METER	96		m	4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	ARRIVE TIME	1222			4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	AIR TEMP	21		C	4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	WIND SPEED	9		kts	4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	WIND DIR		NE		4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	SED_TEMP(1)	12			4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	SED_DEPTH(1)	9		cm	4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	SED_TYPE(1)		Silt and Fine sand		4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	VISIBILITY	10		mi	4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	WEATHER DESC		Overcast		4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	SEA STATE		Choppy		4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	WATER COLOR CODE		Blue		4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	WAVE PER		13-15	sec	4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	DEPART TIME	1233			4-Aug-17
1707267775	PL	E25	26-Jul-17	BENTHIC	COMMENTS				4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	STN LONG DEG	117			4-Aug-17



**Addendum 1B** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707267776	PL	E26	26-Jul-17	BENTHIC	STN LONG MIN	20.572			4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	STN LAT DEG	32			4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	STN LAT MIN	43.823			4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	DEPTH METER	98		m	4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	ARRIVE TIME	1201			4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	AIR TEMP	21		C	4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	WIND SPEED	6		kts	4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	WIND DIR		S		4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	SED_TEMP(1)	11			4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	SED_DEPTH(1)	6		cm	4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	SED_TYPE(1)		Silt		4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	VISIBILITY	10		mi	4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	WEATHER DESC		Overcast		4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	SEA STATE		Choppy		4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	WATER COLOR CODE		Blue		4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	WAVE PER		13-15	sec	4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	DEPART TIME	1213			4-Aug-17
1707267776	PL	E26	26-Jul-17	BENTHIC	COMMENTS				4-Aug-17

## Addendum 1C

Visual observations from SBOO benthic stations sampled during 2016.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	DEPART TIME	941			14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	COMMENTS		5 Ophioura leutkenii		14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	STN LONG MIN	16.57			14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	STN LAT MIN	28.387			14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	DEPTH METER	61		m	14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	ARRIVE TIME	915			14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	AIR TEMP	15		C	14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	WIND SPEED	3		kts	14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	WIND DIR		NE		14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	6		cm	14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Silt and Fine sand		14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113500	SBOO	I1	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	STN LONG MIN	9.368			14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	STN LAT MIN	30.998			14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	DEPTH METER	20		m	14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1215			14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	AIR TEMP	16		C	14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	WIND SPEED	10		kts	14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	WIND DIR		NE		14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	7		cm	14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	DEPART TIME	1225			14-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601113501	SBOO	I10	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	STN LONG MIN	10.973			14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	STN LAT MIN	31.94			14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	DEPTH METER	29		m	14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1254			14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	AIR TEMP	16		C	14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	WIND SPEED	8		kts	14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	WIND DIR		NW		14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	17			14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	6		cm	14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	VISIBILITY	6		mi	14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	WEATHER DESC		Overcast		14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	DEPART TIME	1300			14-Jan-16
1601113502	SBOO	I12	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	STN LONG MIN	11.036			14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	STN LAT MIN	32.578			14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	DEPTH METER	28		m	14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1319			14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	AIR TEMP	16		C	14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	WIND SPEED	11		kts	14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	WIND DIR		SW		14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	17			14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	7		cm	14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Silt with Fine sand		14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	VISIBILITY	6		mi	14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	WEATHER DESC		Overcast		14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	DEPART TIME	1327			14-Jan-16
1601113503	SBOO	I14	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	STN LONG MIN	11.343			14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	STN LAT MIN	32.271			14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	DEPTH METER	32		m	14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1309			14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	AIR TEMP	16		C	14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	WIND SPEED	7		kts	14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	WIND DIR		S		14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	17			14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	7		cm	14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	VISIBILITY	6		mi	14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	WEATHER DESC		Overcast		14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	DEPART TIME	1318			14-Jan-16
1601113504	SBOO	I15	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	STN LONG MIN	9.667			14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	STN LAT MIN	32.185			14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	DEPTH METER	19		m	14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1232			14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	AIR TEMP	16		C	14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	WIND SPEED	6		kts	14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	WIND DIR		NE		14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	17			14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	7		cm	14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Silt with Fine sand		14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	VISIBILITY	6		mi	14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	WEATHER DESC		Overcast		14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	DEPART TIME	1244			14-Jan-16
1601113505	SBOO	I18	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	STN LONG MIN	11.958			14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	STN LAT MIN	28.384			14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	DEPTH METER	35		m	14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1002			14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	AIR TEMP	16		C	14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	WIND SPEED	4		kts	14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	WIND DIR		SW		14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	17			14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	9		cm	14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand		14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	DEPART TIME	1011			14-Jan-16
1601113506	SBOO	I2	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	STN LONG MIN	15.417			14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	STN LAT MIN	33.39			14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	DEPTH METER	57		m	14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	ARRIVE TIME	813			14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	AIR TEMP	14		C	14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	WIND SPEED	7		kts	14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	WIND DIR		E		14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	9		cm	14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Sand		14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	DEPART TIME	823			14-Jan-16
1601113507	SBOO	I20	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	STN LONG MIN	11.084			14-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	STN LAT MIN	33.181			14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	DEPTH METER	29		m	14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1335			14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	AIR TEMP	16		C	14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	WIND SPEED	7		kts	14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	WIND DIR		SW		14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	6		cm	14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Silt with Fine sand		14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	VISIBILITY	6		mi	14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	WEATHER DESC		Overcast		14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	DEPART TIME	1345			14-Jan-16
1601113508	SBOO	I22	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	STN LONG MIN	10.059			14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	STN LAT MIN	28.013			14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	DEPTH METER	28		m	14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1023			14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	AIR TEMP	17		C	14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	WIND SPEED	10		kts	14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	WIND DIR		SW		14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	17			14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	10		cm	14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Sand		14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	DEPART TIME	1034			14-Jan-16
1601113509	SBOO	I3	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	STN LONG MIN	8.427			14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	STN LAT MIN	28.295			14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	DEPTH METER	21		m	14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1045			14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	AIR TEMP	17		C	14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	WIND SPEED	10		kts	14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	WIND DIR		N		14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	17			14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	11		cm	14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Sand with Shell hash		14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	DEPART TIME	1053			14-Jan-16
1601113510	SBOO	I4	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	STN LONG MIN	9.785			14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	STN LAT MIN	29.612			14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	DEPTH METER	26		m	14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1108			14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	AIR TEMP	17		C	14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	WIND SPEED	3		kts	14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	WIND DIR		W		14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	17			14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	11		cm	14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Relict red sand with Shell hash		14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	DEPART TIME	1117			14-Jan-16
1601113511	SBOO	I6	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	STN LONG MIN	15.17			14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	STN LAT MIN	31.006			14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	DEPTH METER	52		m	14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	ARRIVE TIME	842			14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	AIR TEMP	15		C	14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	WIND SPEED	4		kts	14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	WIND DIR		NW		14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	11		cm	14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Sand		14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	DEPART TIME	900			14-Jan-16
1601113512	SBOO	I7	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	STN LONG MIN	12.135			14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	STN LAT MIN	31.005			14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	DEPTH METER	37		m	14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1137			14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	AIR TEMP	15		C	14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	WIND SPEED	4		kts	14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	WIND DIR		W		14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	8		cm	14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand		14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	DEPART TIME	1147			14-Jan-16
1601113513	SBOO	I8	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	STN LONG DEG	117			14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	STN LONG MIN	10.721			14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	STN LAT DEG	32			14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	STN LAT MIN	30.695			14-Jan-16



**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	DEPTH METER	30		m	14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	ARRIVE TIME	1156			14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	AIR TEMP	16		C	14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	WIND SPEED	9		kts	14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	WIND DIR		SW		14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	SED_DEPTH(1)	7		cm	14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	SED_TYPE(1)		Silt		14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	WEATHER DESC		Partly Cloudy		14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	DEPART TIME	1208			14-Jan-16
1601113514	SBOO	I9	11-Jan-16	BENTHIC ITP	COMMENTS				14-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	STN LONG MIN	12.702			13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	STN LAT MIN	32.242			13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	DEPTH METER	38		m	13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	ARRIVE TIME	801			13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	AIR TEMP	11		C	13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	WIND SPEED	9		kts	13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	WIND DIR		NW		13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	7		cm	13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Relict red sand with Shell hash		13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	DEPART TIME	843			13-Jan-16
1601123622	SBOO	I13	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	STN LONG MIN	10.986			13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	STN LAT MIN	32.247			13-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	DEPTH METER	28		m	13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	ARRIVE TIME	914			13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	AIR TEMP	12		C	13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	WIND SPEED	10		kts	13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	WIND DIR		SW		13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	9		cm	13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Sand with Shell hash		13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	VISIBILITY	9		mi	13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	DEPART TIME	922			13-Jan-16
1601123623	SBOO	I16	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	STN LONG MIN	9.898			13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	STN LAT MIN	33.046			13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	DEPTH METER	22		m	13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	ARRIVE TIME	938			13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	AIR TEMP	13		C	13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	WIND SPEED	6		kts	13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	WIND DIR		W		13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	8		cm	13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	VISIBILITY	12		mi	13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	DEPART TIME	943			13-Jan-16
1601123625	SBOO	I23	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	STN LONG MIN	11.482			13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	STN LAT MIN	34.448			13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	DEPTH METER	30		m	13-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	ARRIVE TIME	1000			13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	AIR TEMP	13		C	13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	WIND SPEED	7		kts	13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	WIND DIR		S		13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	6		cm	13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	VISIBILITY	13		mi	13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	DEPART TIME	1004			13-Jan-16
1601123626	SBOO	I27	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	STN LONG MIN	15.893			13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	STN LAT MIN	35.63			13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	DEPTH METER	58		m	13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	ARRIVE TIME	1027			13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	AIR TEMP	13		C	13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	WIND SPEED	7		kts	13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	WIND DIR		W		13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	8		cm	13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt with Coarse sand		13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	VISIBILITY	13		mi	13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	DEPART TIME	1032			13-Jan-16
1601123627	SBOO	I28	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	STN LONG MIN	13.411			13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	STN LAT MIN	35.674			13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	DEPTH METER	39		m	13-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	ARRIVE TIME	1050			13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	AIR TEMP	15		C	13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	WIND SPEED	0		kts	13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	WIND DIR		XX		13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	8		cm	13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	VISIBILITY	13		mi	13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	DEPART TIME	1055			13-Jan-16
1601123700	SBOO	I29	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	STN LONG MIN	11.866			13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	STN LAT MIN	35.714			13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	DEPTH METER	29		m	13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	ARRIVE TIME	1109			13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	AIR TEMP	15		C	13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	WIND SPEED	1		kts	13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	WIND DIR		W		13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	6		cm	13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	VISIBILITY	15		mi	13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	DEPART TIME	1112			13-Jan-16
1601123628	SBOO	I30	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	STN LONG MIN	10.346			13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	STN LAT MIN	35.712			13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	DEPTH METER	20		m	13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	ARRIVE TIME	1129			13-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	AIR TEMP	15		C	13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	WIND SPEED	1		kts	13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	WIND DIR		SE		13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	6		cm	13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	VISIBILITY	15		mi	13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	DEPART TIME	1133			13-Jan-16
1601123629	SBOO	I31	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	STN LONG MIN	14.227			13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	STN LAT MIN	37.427			13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	DEPTH METER	31		m	13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	ARRIVE TIME	1241			13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	AIR TEMP	16		C	13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	WIND SPEED	1		kts	13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	WIND DIR		SE		13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	6		cm	13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	VISIBILITY	15		mi	13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	DEPART TIME	1250			13-Jan-16
1601123630	SBOO	I33	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	STN LONG MIN	12.973			13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	STN LAT MIN	37.799			13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	DEPTH METER	21		m	13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	ARRIVE TIME	1222			13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	AIR TEMP	16		C	13-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	WIND SPEED	3		kts	13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	WIND DIR		SE		13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	16		cm	13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Shell hash and Coarse sand		13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	VISIBILITY	15		mi	13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	DEPART TIME	1239			13-Jan-16
1601123631	SBOO	I34	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	STN LONG DEG	117			13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	STN LONG MIN	10.939			13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	STN LAT DEG	32			13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	STN LAT MIN	38.188			13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	DEPTH METER	20		m	13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	ARRIVE TIME	1202			13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	AIR TEMP	16		C	13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	WIND SPEED	0		kts	13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	WIND DIR		XX		13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	SED_TEMP(1)	16			13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	SED_DEPTH(1)	12		cm	13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	SED_TYPE(1)		Clay and Silt with Fine sand		13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	VISIBILITY	15		mi	13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	WEATHER DESC		Clear		13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	WAVE HEIGHT LOW	4		ft	13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	DEPART TIME	1205			13-Jan-16
1601123632	SBOO	I35	12-Jan-16	BENTHIC ITP	COMMENTS				13-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	STN LONG DEG	117			7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	STN LAT DEG	32			7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	DEPTH METER	42		m	7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	ARRIVE TIME	811			7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	AIR TEMP	15		C	7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	SED_TEMP(1)	16			7-Jan-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	SED_DEPTH(1)	10		cm	7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	SED_TYPE(1)		Relict red sand with Shell hash		7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	VISIBILITY	7		mi	7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	WEATHER DESC		Drizzle		7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	WAVE HEIGHT LOW	5		ft	7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	COMMENTS				7-Jan-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	STN LONG MIN	13.632			18-Apr-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	STN LAT MIN	33.629			18-Apr-16
1601043172	SBOO	I21	4-Jan-16	BENTHIC REG	DEPART TIME	818			18-Apr-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	STN LONG MIN	16.582			6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	STN LAT MIN	28.375			6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	DEPTH METER	60		m	6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	ARRIVE TIME	917			6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	AIR TEMP	18		C	6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	WIND SPEED	11		kts	6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	WIND DIR		NW		6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	SED_TEMP(1)	11			6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand with Silt		6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	DEPART TIME	924			6-Jul-16
1607054660	SBOO	I1	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	STN LONG MIN	9.305			6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	STN LAT MIN	30.972			6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	DEPTH METER	20		m	6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	ARRIVE TIME	1215			6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	WIND SPEED	8		kts	6-Jul-16

Addendum 1C *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	WIND DIR		SE		6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	SED_TEMP(1)	16			6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	VISIBILITY	12		mi	6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	DEPART TIME	1226			6-Jul-16
1607054661	SBOO	I10	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	STN LONG MIN	9.646			6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	STN LAT MIN	32.141			6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	DEPTH METER	20		m	6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	ARRIVE TIME	1241			6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	WIND SPEED	6		kts	6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	WIND DIR		SE		6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	SED_TEMP(1)	16			6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	VISIBILITY	12		mi	6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	DEPART TIME	1247			6-Jul-16
1607054662	SBOO	I18	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	STN LONG MIN	11.923			6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	STN LAT MIN	28.398			6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	DEPTH METER	34		m	6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	ARRIVE TIME	951			6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	WIND SPEED	7		kts	6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	WIND DIR		E		6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	SED_TEMP(1)	15			6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	7		cm	6-Jul-16



**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand		6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	DEPART TIME	958			6-Jul-16
1607054663	SBOO	I2	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	STN LONG MIN	15.369			6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	STN LAT MIN	33.422			6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	DEPTH METER	55		m	6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	ARRIVE TIME	806			6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	WIND SPEED	15		kts	6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	WIND DIR		W		6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	SED_TEMP(1)	11			6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	10		cm	6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine red relict sand		6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	DEPART TIME	815			6-Jul-16
1607054664	SBOO	I20	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	STN LONG MIN	9.884			6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	STN LAT MIN	33.026			6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	DEPTH METER	21		m	6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	ARRIVE TIME	1300			6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	WIND SPEED	8		kts	6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	WIND DIR		SW		6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	SED_TEMP(1)	17			6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		6-Jul-16

Addendum 1C *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	VISIBILITY	12		mi	6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	DEPART TIME	1306			6-Jul-16
1607054665	SBOO	I23	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	STN LONG MIN	10.063			6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	STN LAT MIN	28.019			6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	DEPTH METER	28		m	6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	ARRIVE TIME	1013			6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	WIND SPEED	7		kts	6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	WIND DIR		NE		6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	SED_TEMP(1)	14			6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand		6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	VISIBILITY	12		mi	6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	DEPART TIME	1017			6-Jul-16
1607054666	SBOO	I3	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	STN LONG MIN	8.408			6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	STN LAT MIN	28.289			6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	DEPTH METER	20		m	6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	ARRIVE TIME	1034			6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	WIND SPEED	8		kts	6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	WIND DIR		N		6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	SED_TEMP(1)	14			6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	13		cm	6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand with Shell hash		6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	VISIBILITY	12		mi	6-Jul-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	DEPART TIME	1044			6-Jul-16
1607054667	SBOO	I4	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	STN LONG MIN	9.798			6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	STN LAT MIN	29.601			6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	DEPTH METER	27		m	6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	ARRIVE TIME	1107			6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	WIND SPEED	6		kts	6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	WIND DIR		SE		6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	SED_TEMP(1)	14			6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine red relict sand		6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	VISIBILITY	12		mi	6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	DEPART TIME	1111			6-Jul-16
1607054668	SBOO	I6	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	STN LONG MIN	15.18			6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	STN LAT MIN	30.989			6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	DEPTH METER	52		m	6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	ARRIVE TIME	840			6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	WIND SPEED	8		kts	6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	WIND DIR		E		6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	SED_TEMP(1)	14			6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine red relict sand		6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	DEPART TIME	848			6-Jul-16
1607054669	SBOO	I7	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	STN LONG MIN	12.11			6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	STN LAT MIN	30.988			6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	DEPTH METER	36		m	6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	ARRIVE TIME	1136			6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	WIND SPEED	7		kts	6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	WIND DIR		E		6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	SED_TEMP(1)	13			6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	8		cm	6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand		6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	VISIBILITY	12		mi	6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	DEPART TIME	1142			6-Jul-16
1607054670	SBOO	I8	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	STN LONG MIN	10.727			6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	STN LAT MIN	30.682			6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	DEPTH METER	30		m	6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	ARRIVE TIME	1155			6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	AIR TEMP	19		C	6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	WIND SPEED	8		kts	6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	WIND DIR		E		6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	SED_TEMP(1)	16			6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	VISIBILITY	12		mi	6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16

Addendum 1C *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	DEPART TIME	1202			6-Jul-16
1607054671	SBOO	I9	5-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	STN LONG MIN	12.743			6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	STN LAT MIN	32.246			6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	DEPTH METER	39		m	6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	ARRIVE TIME	918			6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	WIND SPEED	1		kts	6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	WIND DIR		W		6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	SED_TEMP(1)	13			6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	10		cm	6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine red relict sand with Red relict sand		6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	DEPART TIME	929			6-Jul-16
1607064804	SBOO	I13	6-Jul-16	BENTHIC REG	COMMENTS		Animal Grab #1 - 3 Lovenia cordiformis; 3 Ophiura luetkenii		6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	STN LONG MIN	13.633			6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	STN LAT MIN	33.645			6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	DEPTH METER	42		m	6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	ARRIVE TIME	841			6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	WIND SPEED	2		kts	6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	WIND DIR		W		6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	SED_TEMP(1)	12			6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	12		cm	6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine red relict sand		6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	SED_TEMP(2)	12			6-Jul-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	SED_DEPTH(2)	11		cm	6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	SED_TYPE(2)		Fine red relict sand with Red relict sand		6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	DEPART TIME	903			6-Jul-16
							1 - Spotted Cusk Eel; 2nd Animal grab taken for genetics taxonomy study; Grab failure due to < 5 cm penetration		
1607064805	SBOO	I21	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	STN LONG MIN	11.082			6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	STN LAT MIN	33.205			6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	DEPTH METER	29		m	6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	ARRIVE TIME	953			6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	WIND SPEED	4		kts	6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	WIND DIR		NE		6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	SED_TEMP(1)	14			6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt		6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	DEPART TIME	1001			6-Jul-16
1607064806	SBOO	I22	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	STN LONG MIN	11.455			6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	STN LAT MIN	34.444			6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	DEPTH METER	29		m	6-Jul-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	ARRIVE TIME	1011			6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	WIND SPEED	5		kts	6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	WIND DIR		E		6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	SED_TEMP(1)	14			6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt		6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	WEATHER DESC		Partly Cloudy		6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	DEPART TIME	1023			6-Jul-16
1607064807	SBOO	I27	6-Jul-16	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration		6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	STN LONG MIN	15.854			6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	STN LAT MIN	35.628			6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	DEPTH METER	57		m	6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	ARRIVE TIME	749			6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	WIND SPEED	2		kts	6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand and Silt		6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	DEPART TIME	809			6-Jul-16
1607064808	SBOO	I28	6-Jul-16	BENTHIC REG	COMMENTS		Grab failure due to poor closure		6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	STN LONG MIN	13.368			6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	STN LAT MIN	35.663			6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	DEPTH METER	38		m	6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	ARRIVE TIME	1147			6-Jul-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	WIND SPEED	10		kts	6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	WIND DIR		NW		6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	SED_TEMP(1)	13			6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	WEATHER DESC		Mostly Clear		6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	DEPART TIME	1157			6-Jul-16
1607064809	SBOO	I29	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	STN LONG MIN	11.82			6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	STN LAT MIN	35.712			6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	DEPTH METER	29		m	6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	ARRIVE TIME	1114			6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	WIND SPEED	7		kts	6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	WIND DIR		E		6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	SED_TEMP(1)	15			6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	WEATHER DESC		Mostly Clear		6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	DEPART TIME	1124			6-Jul-16
1607064810	SBOO	I30	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	STN LONG MIN	10.333			6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	STN LAT MIN	35.716			6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	DEPTH METER	20		m	6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	ARRIVE TIME	1033			6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	WIND SPEED	7		kts	6-Jul-16



**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	WIND DIR		W		6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	SED_TEMP(1)	16			6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	WEATHER DESC		Partly Cloudy		6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	DEPART TIME	1043			6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607064811	SBOO	I31	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	STN LONG MIN	14.202			6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	STN LAT MIN	37.447			6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	DEPTH METER	31		m	6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	ARRIVE TIME	1211			6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	WIND SPEED	9		kts	6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	WIND DIR		S		6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	SED_TEMP(1)	13			6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	8		cm	6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	WEATHER DESC		Mostly Clear		6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	DEPART TIME	1218			6-Jul-16
1607064812	SBOO	I33	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	STN LONG MIN	12.934			6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	STN LAT MIN	37.801			6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	DEPTH METER	20		m	6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	ARRIVE TIME	1225			6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	WIND SPEED	8		kts	6-Jul-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	WIND DIR		W		6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	SED_TEMP(1)	14			6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	8		cm	6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand and Sand		6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	WEATHER DESC		Mostly Clear		6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	DEPART TIME	1233			6-Jul-16
1607064813	SBOO	I34	6-Jul-16	BENTHIC REG	COMMENTS		1st Grab failed due to poor closure		6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	STN LONG MIN	10.916			6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	STN LAT MIN	38.193			6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	DEPTH METER	20		m	6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	ARRIVE TIME	1250			6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	WIND SPEED	7		kts	6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	WIND DIR		NW		6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	SED_TEMP(1)	14			6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	11		cm	6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	WEATHER DESC		Mostly Clear		6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064814	SBOO	I35	6-Jul-16	BENTHIC REG	DEPART TIME	1309			6-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	STN LONG DEG	117			7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	STN LONG MIN	10.973			7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	STN LAT DEG	32			7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	STN LAT MIN	31.981			7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	DEPTH METER	29		m	7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	ARRIVE TIME	1048			7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	AIR TEMP	19		C	7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	WIND SPEED	2		kts	7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	WIND DIR		NE		7-Jul-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	SED_TEMP(1)	15			7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	VISIBILITY	9		mi	7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	DEPART TIME	1121			7-Jul-16
1607074976	SBOO	I12	7-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	STN LONG DEG	117			7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	STN LONG MIN	11.04			7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	STN LAT DEG	32			7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	STN LAT MIN	32.583			7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	DEPTH METER	29		m	7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	ARRIVE TIME	1212			7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	AIR TEMP	19		C	7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	WIND SPEED	5		kts	7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	WIND DIR		N		7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	SED_TEMP(1)	15			7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	VISIBILITY	11		mi	7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	WEATHER DESC		Mostly clear		7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	DEPART TIME	1242			7-Jul-16
1607074977	SBOO	I14	7-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	STN LONG DEG	117			7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	STN LONG MIN	11.391			7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	STN LAT DEG	32			7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	STN LAT MIN	32.279			7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	DEPTH METER	32		m	7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	ARRIVE TIME	1122			7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	AIR TEMP	19		C	7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	WIND SPEED	3		kts	7-Jul-16

**Addendum 1C** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	WIND DIR		NE		7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	SED_TEMP(1)	14			7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand with Fine sand		7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	VISIBILITY	11		mi	7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	WEATHER DESC		Mostly clear		7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	DEPART TIME	1147			7-Jul-16
1607074978	SBOO	I15	7-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	STN LONG DEG	117			7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	STN LONG MIN	10.975			7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	STN LAT DEG	32			7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	STN LAT MIN	32.286			7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	DEPTH METER	29		m	7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	ARRIVE TIME	1148			7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	AIR TEMP	19		C	7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	WIND SPEED	5		kts	7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	WIND DIR		NE		7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	SED_TEMP(1)	14			7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand with Silt		7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	VISIBILITY	11		mi	7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	WEATHER DESC		Mostly clear		7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	DEPART TIME	1209			7-Jul-16
1607074979	SBOO	I16	7-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		7-Jul-16

## Addendum 1D

Visual observations from SBOO benthic stations sampled during 2017.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	STN LONG MIN	16.608			5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	STN LAT MIN	28.399			5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	DEPTH METER	61		m	5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	ARRIVE TIME	848			5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	AIR TEMP	13		C	5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	WIND SPEED	1		kts	5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	WIND DIR		NE		5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	12			5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	VISIBILITY	8		mi	5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	WEATHER DESC		Mostly clear		5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046111	SBOO	I1	4-Jan-17	BENTHIC ITP	DEPART TIME	855			5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	DEPART TIME	1039			5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	STN LONG MIN	9.37			5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	STN LAT MIN	31.006			5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	DEPTH METER	21		m	5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1033			5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	AIR TEMP	15		C	5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	WIND SPEED	3		kts	5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	WIND DIR		SW		5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	14			5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046112	SBOO	I10	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	STN LONG MIN	10.962			5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	STN LAT MIN	31.963			5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	DEPTH METER	29		m	5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1157			5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	AIR TEMP	15		C	5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	WIND SPEED	1		kts	5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	WIND DIR		E		5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	14			5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046113	SBOO	I12	4-Jan-17	BENTHIC ITP	DEPART TIME	1206			5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	STN LONG MIN	12.735			5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	STN LAT MIN	32.258			5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	DEPTH METER	39		m	5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1126			5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	WIND SPEED	2		kts	5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	WIND DIR		SW		5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	14			5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Fine red relict sand with Silt		5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	DEPART TIME	1135			5-Jan-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701046114	SBOO	I13	4-Jan-17	BENTHIC ITP	COMMENTS		One Lovenia cordiformis identified and released; One plainfin midshipman in grab also		5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	STN LONG MIN	11.034			5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	STN LAT MIN	32.571			5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	DEPTH METER	28		m	5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1222			5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	AIR TEMP	15		C	5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	WIND SPEED	6		kts	5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	WIND DIR		SE		5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt with Clay		5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046115	SBOO	I14	4-Jan-17	BENTHIC ITP	DEPART TIME	1231			5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	STN LONG MIN	11.347			5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	STN LAT MIN	32.271			5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	DEPTH METER	32		m	5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1144			5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	WIND SPEED	4		kts	5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	WIND DIR		S		5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	14			5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	DEPART TIME	1155			5-Jan-17
1701046116	SBOO	I15	4-Jan-17	BENTHIC ITP	COMMENTS		Two Lovenia cordiformis		5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	STN LONG MIN	10.99			5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	STN LAT MIN	32.299			5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	DEPTH METER	29		m	5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1211			5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	WIND SPEED	5		kts	5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	WIND DIR		NW		5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	10		cm	5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046117	SBOO	I16	4-Jan-17	BENTHIC ITP	DEPART TIME	1219			5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	STN LONG MIN	9.672			5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	STN LAT MIN	32.172			5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	DEPTH METER	21		m	5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1237			5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	WIND SPEED	6		kts	5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	WIND DIR		E		5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046118	SBOO	I18	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17



**Addendum 1D** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701046118	SBOO	118	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046118	SBOO	118	4-Jan-17	BENTHIC ITP	DEPART TIME	1245			5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	STN LONG MIN	11.955			5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	STN LAT MIN	28.397			5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	DEPTH METER	34		m	5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	ARRIVE TIME	921			5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	WIND SPEED	4		kts	5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	WIND DIR		NE		5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	14			5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046119	SBOO	12	4-Jan-17	BENTHIC ITP	DEPART TIME	928			5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	STN LONG MIN	10.114			5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	STN LAT MIN	28.033			5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	DEPTH METER	28		m	5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	ARRIVE TIME	939			5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	WIND SPEED	4		kts	5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	WIND DIR		N		5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046120	SBOO	13	4-Jan-17	BENTHIC ITP	DEPART TIME	948			5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17

**Addendum 1D** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	STN LONG MIN	8.428			5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	STN LAT MIN	28.293			5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	DEPTH METER	20		m	5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	ARRIVE TIME	956			5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	WIND SPEED	4		kts	5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	WIND DIR		SW		5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	13		cm	5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Coarse sand and Sand with Shell hash		5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046121	SBOO	14	4-Jan-17	BENTHIC ITP	DEPART TIME	1003			5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	STN LONG MIN	9.799			5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	STN LAT MIN	29.606			5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	DEPTH METER	26		m	5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1015			5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	WIND SPEED	1		kts	5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	WIND DIR		SE		5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine red relict sand and Fine sand		5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046122	SBOO	16	4-Jan-17	BENTHIC ITP	DEPART TIME	1021			5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	STN LONG MIN	15.158			5-Jan-17

**Addendum 1D** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	STN LAT MIN	30.995			5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	DEPTH METER	52		m	5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	ARRIVE TIME	820			5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	AIR TEMP	12		C	5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	WIND SPEED	4		kts	5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	WIND DIR		SW		5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	13			5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Coarse sand		5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	VISIBILITY	10		mi	5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046123	SBOO	17	4-Jan-17	BENTHIC ITP	DEPART TIME	833			5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	STN LONG MIN	12.126			5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	STN LAT MIN	30.993			5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	DEPTH METER	36		m	5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1107			5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	WIND SPEED	4		kts	5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	WIND DIR		W		5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	DEPART TIME	1117			5-Jan-17
1701046124	SBOO	18	4-Jan-17	BENTHIC ITP	COMMENTS		One Lovenia cordiformis		5-Jan-17
1701046125	SBOO	19	4-Jan-17	BENTHIC ITP	STN LONG DEG	117			5-Jan-17
1701046125	SBOO	19	4-Jan-17	BENTHIC ITP	STN LONG MIN	10.761			5-Jan-17

**Addendum 1D** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	STN LAT DEG	32			5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	STN LAT MIN	30.723			5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	DEPTH METER	30		m	5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	ARRIVE TIME	1053			5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	AIR TEMP	14		C	5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	WIND SPEED	4		kts	5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	WIND DIR		SE		5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	SED_DEPTH(1)	10		cm	5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	VISIBILITY	12		mi	5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	WEATHER DESC		Clear		5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	5-Jan-17
1701046125	SBOO	I9	4-Jan-17	BENTHIC ITP	DEPART TIME	1100			5-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	STN LONG MIN	15.443			9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	STN LAT MIN	33.425			9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	DEPTH METER	54		m	9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	ARRIVE TIME	848			9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	WIND SPEED	0		kts	9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	WIND DIR		XX		9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	12			9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Relict red sand with Coarse sand with Shell hash		9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	VISIBILITY	6		mi	9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	DEPART TIME	858			9-Jan-17
1701066302	SBOO	I20	6-Jan-17	BENTHIC ITP	COMMENTS		Animal Grab #1 - 1 Nacospatangus		9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	STN LONG MIN	13.594			9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	STN LAT MIN	33.641			9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	DEPTH METER	41		m	9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	ARRIVE TIME	910			9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	WIND SPEED	0		kts	9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	WIND DIR		XX		9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	14			9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	9		cm	9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine red relict sand with Red relict sand		9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	VISIBILITY	6		mi	9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	DEPART TIME	920			9-Jan-17
1701066303	SBOO	I21	6-Jan-17	BENTHIC ITP	COMMENTS		Animal Grab #1 - 2 Ophiura luetkenii		9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	STN LONG MIN	11.091			9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	STN LAT MIN	33.194			9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	DEPTH METER	28		m	9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	ARRIVE TIME	947			9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	WIND SPEED	0		kts	9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	WIND DIR		XX		9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	16			9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	6		cm	9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	VISIBILITY	6		mi	9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	DEPART TIME	955			9-Jan-17
1701066304	SBOO	I22	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	STN LONG MIN	9.882			9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	STN LAT MIN	33.046			9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	DEPTH METER	20		m	9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	ARRIVE TIME	1001			9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	WIND SPEED	2		kts	9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	WIND DIR		E		9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	16			9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	13		cm	9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Silt and Fine sand		9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	VISIBILITY	6		mi	9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	DEPART TIME	1010			9-Jan-17
1701066305	SBOO	I23	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	STN LONG MIN	11.444			9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	STN LAT MIN	34.455			9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	DEPTH METER	29		m	9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	ARRIVE TIME	931			9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	WIND SPEED	0		kts	9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	WIND DIR		XX		9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	6		cm	9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	VISIBILITY	6		mi	9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	DEPART TIME	941			9-Jan-17
1701066306	SBOO	I27	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17

**Addendum 1D** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	STN LONG MIN	15.821			9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	STN LAT MIN	35.628			9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	DEPTH METER	56		m	9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	ARRIVE TIME	824			9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	AIR TEMP	14		C	9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	WIND SPEED	1		kts	9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	WIND DIR		NE		9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	12			9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Silt and Fine sand with Sand		9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	VISIBILITY	6		mi	9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	DEPART TIME	838			9-Jan-17
1701066307	SBOO	I28	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	STN LONG MIN	13.408			9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	STN LAT MIN	35.69			9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	DEPTH METER	38		m	9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	ARRIVE TIME	1102			9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	AIR TEMP	14		C	9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	WIND SPEED	6		kts	9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	WIND DIR		NE		9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	15			9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	13		cm	9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine red relict sand and Coarse sand		9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	VISIBILITY	9		mi	9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	DEPART TIME	1111			9-Jan-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYP	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701066308	SBOO	I29	6-Jan-17	BENTHIC ITP	COMMENTS		Animal Grab #1 - 1 Lovenia cordiformis		9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	STN LONG MIN	11.81			9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	STN LAT MIN	35.72			9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	DEPTH METER	28		m	9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	ARRIVE TIME	1045			9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	WIND SPEED	2		kts	9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	WIND DIR		N		9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	16			9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Silt and Fine sand		9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	VISIBILITY	9		mi	9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	DEPART TIME	1054			9-Jan-17
1701066309	SBOO	I30	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	STN LONG MIN	10.336			9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	STN LAT MIN	35.743			9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	DEPTH METER	20		m	9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	ARRIVE TIME	1026			9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	AIR TEMP	14		C	9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	WIND SPEED	0		kts	9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	WIND DIR		XX		9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	16			9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	7		cm	9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Silt and Fine sand		9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	VISIBILITY	6		mi	9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	DEPART TIME	1030			9-Jan-17



Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701066310	SBOO	I31	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	STN LONG MIN	14.227			9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	STN LAT MIN	37.424			9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	DEPTH METER	30		m	9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	ARRIVE TIME	1126			9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	WIND SPEED	6		kts	9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	WIND DIR		SW		9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	16			9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	VISIBILITY	10		mi	9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	DEPART TIME	1135			9-Jan-17
1701066311	SBOO	I33	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	STN LONG MIN	12.967			9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	STN LAT MIN	37.814			9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	DEPTH METER	20		m	9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	ARRIVE TIME	1140			9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	WIND SPEED	5		kts	9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	WIND DIR		E		9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	16			9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	9		cm	9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Shell hash and Sand with Fine sand		9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	VISIBILITY	10		mi	9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	DEPART TIME	1149			9-Jan-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701066312	SBOO	I34	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	STN LONG DEG	117			9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	STN LONG MIN	10.903			9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	STN LAT DEG	32			9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	STN LAT MIN	38.199			9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	DEPTH METER	20		m	9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	ARRIVE TIME	1200			9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	AIR TEMP	15		C	9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	WIND SPEED	7		kts	9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	WIND DIR		N		9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	SED_TEMP(1)	16			9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	SED_DEPTH(1)	7		cm	9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	SED_TYPE(1)		Silt and Fine sand		9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	VISIBILITY	10		mi	9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	DEPART TIME	1208			9-Jan-17
1701066313	SBOO	I35	6-Jan-17	BENTHIC ITP	COMMENTS				9-Jan-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	STN LONG MIN	16.624			10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	STN LAT MIN	28.397			10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	DEPTH METER	61		m	10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	ARRIVE TIME	933			10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	WIND SPEED	3		kts	10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	WIND DIR		E		10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	13			10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	6		cm	10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	WAVE PER		12-Nov	sec	10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	DEPART TIME	952			10-Jul-17
1707076635	SBOO	I1	7-Jul-17	BENTHIC ITP	COMMENTS		Grab failure due to < 5 cm Penetration		10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	STN LONG MIN	9.368			10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	STN LAT MIN	30.996			10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	DEPTH METER	21		m	10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	ARRIVE TIME	1131			10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	WIND SPEED	7		kts	10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	WIND DIR		N		10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	15			10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Clay with Silt		10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	WAVE PER		10-Sep	sec	10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	DEPART TIME	1144			10-Jul-17
1707076636	SBOO	I10	7-Jul-17	BENTHIC ITP	COMMENTS		Grab failure due to < 5 cm Penetration		10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	STN LONG MIN	12.703			10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	STN LAT MIN	32.253			10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	DEPTH METER	37		m	10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	ARRIVE TIME	1240			10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	WIND SPEED	5		kts	10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	WIND DIR		SE		10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	13			10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	6		cm	10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand and Sand with Cobble		10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	WAVE PER		10-11	sec	10-Jul-17
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	DEPART TIME	1314			10-Jul-17
							Grab failure due to Poor Closure; Grab failure due to Poor Closure		
1707076637	SBOO	I13	7-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	STN LONG MIN	11.943			10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	STN LAT MIN	28.396			10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	DEPTH METER	33		m	10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	ARRIVE TIME	1014			10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	WIND SPEED	2		kts	10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	WIND DIR		S		10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	13			10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	10		cm	10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Sand		10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	WAVE PER		12-Nov	sec	10-Jul-17
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	DEPART TIME	1023			10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707076638	SBOO	I2	7-Jul-17	BENTHIC ITP	COMMENTS		2 Lovenia cordiformis identified and removed from sample		10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	STN LONG MIN	10.092			10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	STN LAT MIN	28.026			10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	DEPTH METER	28		m	10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	ARRIVE TIME	1034			10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	WIND SPEED	2		kts	10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	WIND DIR		N		10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	14			10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	9		cm	10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Sand		10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	WAVE PER		10-Sep	sec	10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	DEPART TIME	1043			10-Jul-17
1707076639	SBOO	I3	7-Jul-17	BENTHIC ITP	COMMENTS		1 Lovenia cordiformis identified and removed from sample		10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	STN LONG MIN	8.434			10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	STN LAT MIN	28.299			10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	DEPTH METER	20		m	10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	ARRIVE TIME	1053			10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	AIR TEMP	19		C	10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	WIND SPEED	3		kts	10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	WIND DIR		W		10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	14			10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	10		cm	10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand with Coarse sand		10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	WAVE PER		10-Sep	sec	10-Jul-17
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	DEPART TIME	1059			10-Jul-17
							1 Lovenia cordiformis identified and removed from sample		
1707076640	SBOO	I4	7-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	STN LONG MIN	9.8			10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	STN LAT MIN	29.615			10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	DEPTH METER	25		m	10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	ARRIVE TIME	1115			10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	WIND SPEED	4		kts	10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	WIND DIR		S		10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	14			10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	10		cm	10-Jul-17
							Fine red relict sand and Sand with Shell hash		
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	SED_TYPE(1)				10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	WAVE PER		10-Sep	sec	10-Jul-17
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	DEPART TIME	1125			10-Jul-17
							1 Lovenia cordiformis identified and removed from sample		
1707076641	SBOO	I6	7-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	STN LONG MIN	15.139			10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	STN LAT MIN	30.975			10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	DEPTH METER	51		m	10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	ARRIVE TIME	856			10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	WIND SPEED	3		kts	10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	WIND DIR		N		10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	13			10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	12		cm	10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Sand		10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	WAVE PER		12-Nov	sec	10-Jul-17
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	DEPART TIME	912			10-Jul-17
							1 Lovenia cordiformis and 1 Astropecten californius identified and removed from sample		
1707076642	SBOO	17	7-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	STN LONG MIN	12.13			10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	STN LAT MIN	31.004			10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	DEPTH METER	36		m	10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	ARRIVE TIME	1221			10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	WIND SPEED	4		kts	10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	WIND DIR		SW		10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	13			10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	10		cm	10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYP	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand and Coarse sand		10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	WAVE PER		10-Sep	sec	10-Jul-17
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	DEPART TIME	1230			10-Jul-17
							1 Lovenia cordiformis identified and removed from sample		
1707076643	SBOO	18	7-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	STN LONG MIN	10.75			10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	STN LAT MIN	30.712			10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	DEPTH METER	30		m	10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	ARRIVE TIME	1156			10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	WIND SPEED	5		kts	10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	WIND DIR		E		10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	SED_TEMP(1)	14			10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	SED_DEPTH(1)	6		cm	10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	VISIBILITY	12		mi	10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	WEATHER DESC		Clear		10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	WAVE PER		10-Sep	sec	10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	DEPART TIME	1204			10-Jul-17
1707076644	SBOO	19	7-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707106708	SBOO	112	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707106708	SBOO	112	10-Jul-17	BENTHIC ITP	STN LONG MIN	10.98			10-Jul-17
1707106708	SBOO	112	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106708	SBOO	112	10-Jul-17	BENTHIC ITP	STN LAT MIN	31.978			10-Jul-17



Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	DEPTH METER	29		m	10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	ARRIVE TIME	843			10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	AIR TEMP	19		C	10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	WIND SPEED	4		kts	10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	WIND DIR		W		10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	15			10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand with Fine sand		10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	VISIBILITY	1		mi	10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	WEATHER DESC		Fog		10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-blue		10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	DEPART TIME	916			10-Jul-17
1707106708	SBOO	I12	10-Jul-17	BENTHIC ITP	COMMENTS		Sediment toxicity station		10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	STN LONG MIN	11.02			10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	STN LAT MIN	32.561			10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	DEPTH METER	28		m	10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	ARRIVE TIME	1041			10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	WIND SPEED	3		kts	10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	WIND DIR		N		10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	15			10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	6		cm	10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	VISIBILITY	1		mi	10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	WEATHER DESC		Fog		10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-blue		10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	DEPART TIME	1110			10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707106709	SBOO	I14	10-Jul-17	BENTHIC ITP	COMMENTS		Sediment toxicity station		10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	STN LONG MIN	11.343			10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	STN LAT MIN	32.264			10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	DEPTH METER	31		m	10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	ARRIVE TIME	928			10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	WIND SPEED	3		kts	10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	WIND DIR		S		10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	15			10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand with Fine sand		10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	VISIBILITY	1		mi	10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	WEATHER DESC		Fog		10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-blue		10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	DEPART TIME	1002			10-Jul-17
1707106710	SBOO	I15	10-Jul-17	BENTHIC ITP	COMMENTS		Sediment toxicity station		10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	STN LONG MIN	10.992			10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	STN LAT MIN	32.273			10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	DEPTH METER	28		m	10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	ARRIVE TIME	1002			10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	WIND SPEED	2		kts	10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	WIND DIR		NW		10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	15			10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	8		cm	10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand with Silt		10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	VISIBILITY	1		mi	10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	WEATHER DESC		Fog		10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-blue		10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	DEPART TIME	1041			10-Jul-17
							Grab failure due to Rocky Bottom; Sediment toxicity station		
1707106711	SBOO	I16	10-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	STN LONG MIN	9.681			10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	STN LAT MIN	32.195			10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	DEPTH METER	20		m	10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	ARRIVE TIME	821			10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	AIR TEMP	19		C	10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	WIND SPEED	3		kts	10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	WIND DIR		S		10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	18			10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	7		cm	10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	VISIBILITY	1		mi	10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	WEATHER DESC		Fog		10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-blue		10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	DEPART TIME	826			10-Jul-17
1707106712	SBOO	I18	10-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	STN LONG MIN	11.096			10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	STN LAT MIN	33.201			10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	DEPTH METER	29		m	10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	ARRIVE TIME	1140			10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17

**Addendum 1D** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	WIND SPEED	5		kts	10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	WIND DIR		S		10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	15			10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	7		cm	10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	VISIBILITY	4		mi	10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-blue		10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	DEPART TIME	1144			10-Jul-17
1707106713	SBOO	I22	10-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	STN LONG MIN	9.896			10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	STN LAT MIN	33.071			10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	DEPTH METER	21		m	10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	ARRIVE TIME	1158			10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	AIR TEMP	20		C	10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	WIND SPEED	5		kts	10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	WIND DIR		W		10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	15			10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	9		cm	10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand and Shell hash with Coarse sand		10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	VISIBILITY	4		mi	10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-blue		10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	DEPART TIME	1205			10-Jul-17
1707106714	SBOO	I23	10-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17

**Addendum 1D** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	STN LONG MIN	11.475			10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	STN LAT MIN	34.447			10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	DEPTH METER	29		m	10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	ARRIVE TIME	1219			10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	AIR TEMP	21		C	10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	WIND SPEED	1		kts	10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	WIND DIR		S		10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	18			10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	7		cm	10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	VISIBILITY	3		mi	10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	DEPART TIME	1225			10-Jul-17
1707106715	SBOO	I27	10-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	STN LONG DEG	117			10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	STN LONG MIN	10.303			10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	STN LAT DEG	32			10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	STN LAT MIN	35.73			10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	DEPTH METER	20		m	10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	ARRIVE TIME	1314			10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	AIR TEMP	21		C	10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	WIND SPEED	6		kts	10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	WIND DIR		S		10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	SED_TEMP(1)	18			10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	SED_DEPTH(1)	6		cm	10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	VISIBILITY	3		mi	10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	SEA STATE		Calm		10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	10-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	DEPART TIME	1319			10-Jul-17
1707106716	SBOO	I31	10-Jul-17	BENTHIC ITP	COMMENTS				10-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	STN LONG DEG	117			14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	STN LONG MIN	15.439			14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	STN LAT DEG	32			14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	STN LAT MIN	33.409			14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	DEPTH METER	55		m	14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	ARRIVE TIME	809			14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	AIR TEMP	19		C	14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	WIND SPEED	4		kts	14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	WIND DIR		SW		14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	SED_TEMP(1)	11			14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	SED_TYPE(1)		Relict red sand		14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	VISIBILITY	5		mi	14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	SEA STATE		Calm		14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	3		ft	14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-blue		14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	DEPART TIME	822			14-Jul-17
1707136960	SBOO	I20	13-Jul-17	BENTHIC ITP	COMMENTS		Grab failure due to poor colosure; 2 Ohpiura leutkenii; 2 Lovenia codiformis		14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	COMMENTS				24-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	STN LONG DEG	117			14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	STN LONG MIN	13.634			14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	STN LAT DEG	32			14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	STN LAT MIN	33.635			14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	DEPTH METER	41		m	14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	ARRIVE TIME	852			14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	AIR TEMP	20		C	14-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	WIND SPEED	4		kts	14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	WIND DIR		E		14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	SED_TEMP(1)	12			14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	SED_DEPTH(1)	9		cm	14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	SED_TYPE(1)		Relict red sand		14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	VISIBILITY	5		mi	14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	SEA STATE		Calm		14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-brown		14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	14-Jul-17
1707136961	SBOO	I21	13-Jul-17	BENTHIC ITP	DEPART TIME	903			14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	STN LONG DEG	117			14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	STN LONG MIN	13.369			14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	STN LAT DEG	32			14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	STN LAT MIN	35.677			14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	DEPTH METER	37		m	14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	ARRIVE TIME	1031			14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	AIR TEMP	20		C	14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	WIND SPEED	6		kts	14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	WIND DIR		SW		14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	SED_TEMP(1)	13			14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	SED_DEPTH(1)	7		cm	14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt		14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	VISIBILITY	8		mi	14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	SEA STATE		Calm		14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-brown		14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	14-Jul-17
1707136962	SBOO	I29	13-Jul-17	BENTHIC ITP	DEPART TIME	1035			14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	STN LONG DEG	117			14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	STN LONG MIN	11.849			14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	STN LAT DEG	32			14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	STN LAT MIN	35.715			14-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	DEPTH METER	28		m	14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	ARRIVE TIME	1012			14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	AIR TEMP	20		C	14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	WIND SPEED	7		kts	14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	WIND DIR		S		14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	SED_TEMP(1)	12			14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	SED_DEPTH(1)	9		cm	14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand and Silt with Clay		14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	VISIBILITY	8		mi	14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	SEA STATE		Calm		14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-brown		14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	DEPART TIME	1017			14-Jul-17
1707136963	SBOO	I30	13-Jul-17	BENTHIC ITP	COMMENTS				14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	STN LONG DEG	117			14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	STN LONG MIN	14.227			14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	STN LAT DEG	32			14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	STN LAT MIN	37.438			14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	DEPTH METER	30		m	14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	ARRIVE TIME	1107			14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	AIR TEMP	20		C	14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	WIND SPEED	8		kts	14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	WIND DIR		S		14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	SED_TEMP(1)	14			14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	SED_DEPTH(1)	7		cm	14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	SED_TYPE(1)		Fine sand with Silt		14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	VISIBILITY	8		mi	14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	WEATHER DESC		Haze		14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	SEA STATE		Calm		14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	WATER COLOR CODE		Greenish-brown		14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	14-Jul-17



Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	DEPART TIME	1112			14-Jul-17
1707136964	SBOO	I33	13-Jul-17	BENTHIC ITP	COMMENTS				14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	STN LONG DEG	117			14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	STN LONG MIN	12.973			14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	STN LAT DEG	32			14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	STN LAT MIN	37.795			14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	DEPTH METER	20		m	14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	ARRIVE TIME	1120			14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	AIR TEMP	20		C	14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	WIND SPEED	8		kts	14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	WIND DIR		N		14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	SED_TEMP(1)	15			14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	SED_DEPTH(1)	7		cm	14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand and Shell hash		14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	VISIBILITY	11		mi	14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	SEA STATE		Choppy		14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	DEPART TIME	1130			14-Jul-17
1707136965	SBOO	I34	13-Jul-17	BENTHIC ITP	COMMENTS				14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	STN LONG DEG	117			14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	STN LONG MIN	10.93			14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	STN LAT DEG	32			14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	STN LAT MIN	38.189			14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	DEPTH METER	20		m	14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	ARRIVE TIME	1146			14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	AIR TEMP	21		C	14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	WIND SPEED	9		kts	14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	WIND DIR		SE		14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	SED_TEMP(1)	14			14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	SED_DEPTH(1)	11		cm	14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	SED_TYPE(1)		Clay and Silt with Fine sand		14-Jul-17

Addendum 1D *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	VISIBILITY	11		mi	14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	WEATHER DESC		Partly cloudy		14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	SEA STATE		Choppy		14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	WAVE PER		13-15	sec	14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	DEPART TIME	1149			14-Jul-17
1707136966	SBOO	I35	13-Jul-17	BENTHIC ITP	COMMENTS				14-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	STN LONG DEG	117			20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	STN LONG MIN	15.839			20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	STN LAT DEG	32			20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	STN LAT MIN	35.621			20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	DEPTH METER	56		m	20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	ARRIVE TIME	750			20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	AIR TEMP	21		C	20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	WIND SPEED	2		kts	20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	WIND DIR		NW		20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	SED_TEMP(1)	12			20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	SED_DEPTH(1)	6		cm	20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	SED_TYPE(1)		Sand with Coarse sand with Gravel and Shell Hash		20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	VISIBILITY	5		mi	20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	WEATHER DESC		Overcast		20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	SEA STATE		Calm		20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	WATER COLOR CODE		Green		20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	WAVE PER		12-Nov	sec	20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	DEPART TIME	759			20-Jul-17
1707197300	SBOO	I28	19-Jul-17	BENTHIC ITP	COMMENTS				20-Jul-17

## Addendum 1E

Visual observations from Regional benthic stations sampled during 2016.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	STN LONG MIN	9.693			6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	STN LAT MIN	36.878			6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	DEPTH METER	18		m	6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	ARRIVE TIME	1051			6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	WIND SPEED	10		kts	6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	WIND DIR		SE		6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	SED_TEMP(1)	15			6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	WEATHER DESC		Partly Cloudy		6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	DEPART TIME	1059			6-Jul-16
1607064803	REG 16	8514	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	STN LONG MIN	12.765			6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	STN LAT MIN	35.85			6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	DEPTH METER	34		m	6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	ARRIVE TIME	1132			6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	WIND SPEED	7		kts	6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	WIND DIR		S		6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	SED_TEMP(1)	13			6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	WEATHER DESC		Mostly Clear		6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	DEPART TIME	1141			6-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607064802	REG 16	8508	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	STN LONG DEG	117			7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	STN LONG MIN	18.351			7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	STN LAT DEG	32			7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	STN LAT MIN	35.703			7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	DEPTH METER	91		m	7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	ARRIVE TIME	756			7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	AIR TEMP	19		C	7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	WIND SPEED	0		kts	7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	WIND DIR		XX		7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	SED_TEMP(1)	12			7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand with Shell hash		7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	VISIBILITY	7		mi	7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	DEPART TIME	851			7-Jul-16
1607074975	REG 16	8507	7-Jul-16	BENTHIC REG	COMMENTS		Grab failure due to canted; Grab failure due to poor closure; Sed tox sample collected		7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	STN LONG DEG	117			7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	STN LONG MIN	20.235			7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	STN LAT DEG	32			7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	STN LAT MIN	34.832			7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	DEPTH METER	171		m	7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	ARRIVE TIME	904			7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	AIR TEMP	19		C	7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	WIND SPEED	4		kts	7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	WIND DIR		NE		7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	SED_TEMP(1)	9			7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	SED_DEPTH(1)	10		cm	7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		7-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	VISIBILITY	9		mi	7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	DEPART TIME	928			7-Jul-16
1607074974	REG 16	8504	7-Jul-16	BENTHIC REG	COMMENTS		Grab failure due to poor closure		7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	STN LONG DEG	117			7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	STN LONG MIN	17.783			7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	STN LAT DEG	32			7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	STN LAT MIN	33.999			7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	DEPTH METER	92		m	7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	ARRIVE TIME	945			7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	AIR TEMP	19		C	7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	WIND SPEED	2		kts	7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	WIND DIR		S		7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	SED_TEMP(1)	9			7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	VISIBILITY	9		mi	7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	DEPART TIME	1024			7-Jul-16
1607074973	REG 16	8503	7-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	STN LONG DEG	117			7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	STN LONG MIN	8.87			7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	STN LAT DEG	32			7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	STN LAT MIN	32.916			7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	DEPTH METER	17		m	7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	ARRIVE TIME	1301			7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	AIR TEMP	19		C	7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	WIND SPEED	3		kts	7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	WIND DIR		SE		7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	SED_TEMP(1)	16			7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	7-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand with Silt		7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	VISIBILITY	11		mi	7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	WEATHER DESC		Mostly clear		7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	7-Jul-16
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	DEPART TIME	1332			7-Jul-16
							Sed tox sample collected		
1607074972	REG 16	8501	7-Jul-16	BENTHIC REG	COMMENTS				7-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	STN LONG DEG	117			6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	STN LONG MIN	14.794			6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	STN LAT DEG	32			6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	STN LAT MIN	35.404			6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	DEPTH METER	48		m	6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	ARRIVE TIME	817			6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	AIR TEMP	20		C	6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	WIND SPEED	1		kts	6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	WIND DIR		E		6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	SED_TEMP(1)	12			6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	SED_DEPTH(1)	13		cm	6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand		6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	VISIBILITY	10		mi	6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	DEPART TIME	828			6-Jul-16
1607064801	REG 16	8506	6-Jul-16	BENTHIC REG	COMMENTS				6-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	STN LONG DEG	117			15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	STN LONG MIN	25.685			15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	STN LAT DEG	32			15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	STN LAT MIN	36.761			15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	DEPTH METER	157		m	15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	ARRIVE TIME	822			15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	AIR TEMP	19		C	15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	WIND SPEED	11		kts	15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	WIND DIR		N		15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	VISIBILITY	3		mi	15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		15-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
	REG 16	8511	14-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	DEPART TIME	922			15-Jul-16
	REG 16	8511	14-Jul-16	BENTHIC REG	COMMENTS		Station abandoned due to rocky reef		15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	STN LONG DEG	117			15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	STN LONG MIN	21.184			15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	STN LAT DEG	32			15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	STN LAT MIN	34.805			15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	DEPTH METER	147		m	15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	ARRIVE TIME	943			15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	AIR TEMP	19		C	15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	WIND SPEED	7		kts	15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	WIND DIR		E		15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	SED_TEMP(1)	10			15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand with Silt with Clay		15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	VISIBILITY	3		mi	15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	15-Jul-16
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	DEPART TIME	1058			15-Jul-16
							Overdraw station for 8511; Grab failure due to < 5 cm Penetration; Grab failure due to < 5 cm Penetration; Grab failure due to < 5 cm Penetration; Grab failure due to < 5 cm Penetration		
1607145620	REG 16	8542	14-Jul-16	BENTHIC REG	COMMENTS				15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	STN LONG DEG	117			15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	STN LONG MIN	21.822			15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	STN LAT DEG	32			15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	STN LAT MIN	37.887			15-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	DEPTH METER	200		m	15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	ARRIVE TIME	1120			15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	AIR TEMP	19		C	15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	WIND SPEED	8		kts	15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	WIND DIR		SE		15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	SED_TEMP(1)	9			15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	SED_DEPTH(1)	15		cm	15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	SED_TYPE(1)		Clay with Silt		15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	VISIBILITY	3		mi	15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	DEPART TIME	1139			15-Jul-16
1607145651	REG 16	8516	14-Jul-16	BENTHIC REG	COMMENTS				15-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	STN LONG DEG	117			18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	STN LONG MIN	21.666			18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	STN LAT DEG	32			18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	STN LAT MIN	50.022			18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	DEPTH METER	178		m	18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	ARRIVE TIME	856			18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	AIR TEMP	20		C	18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	WIND SPEED	0		kts	18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	WIND DIR		XX		18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	SED_TEMP(1)	10			18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	SED_DEPTH(1)	13		cm	18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	SED_TYPE(1)		Clay and Silt		18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	VISIBILITY	9		mi	18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	1		ft	18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	DEPART TIME	909			18-Jul-16
1607185731	REG 16	8532	18-Jul-16	BENTHIC REG	COMMENTS				18-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	STN LONG DEG	117			13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	STN LONG MIN	21.121			13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	STN LAT DEG	32			13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	STN LAT MIN	43.953			13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	DEPTH METER	123		m	13-Jul-16



Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	ARRIVE TIME	819			13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	AIR TEMP	19		C	13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	WIND SPEED	3		kts	13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	WIND DIR		NE		13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	SED_TEMP(1)	11			13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	SED_DEPTH(1)	7		cm	13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	VISIBILITY	7		mi	13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	DEPART TIME	835			13-Jul-16
1607135381	REG 16	8524	13-Jul-16	BENTHIC REG	COMMENTS				13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	STN LONG DEG	117			13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	STN LONG MIN	22.816			13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	STN LAT DEG	32			13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	STN LAT MIN	46.845			13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	DEPTH METER	120		m	13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	ARRIVE TIME	849			13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	AIR TEMP	20		C	13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	WIND SPEED	0		kts	13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	WIND DIR		XX		13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	SED_TEMP(1)	11			13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	SED_DEPTH(1)	8		cm	13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Sand with Fine sand		13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	VISIBILITY	7		mi	13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	DEPART TIME	936			13-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
							Grab failure due to canted; Grab failure due to < 5 cm penetration; Reef in failed grab; Grab failure due to < 5 cm penetration		
1607135383	REG 16	8528	13-Jul-16	BENTHIC REG	COMMENTS				13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	STN LONG DEG	117			13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	STN LONG MIN	21.949			13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	STN LAT DEG	32			13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	STN LAT MIN	47.779			13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	DEPTH METER	100		m	13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	ARRIVE TIME	943			13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	AIR TEMP	20		C	13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	WIND SPEED	3		kts	13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	WIND DIR		N		13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	SED_TEMP(1)	11			13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	SED_DEPTH(1)	7		cm	13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	VISIBILITY	7		mi	13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	DEPART TIME	957			13-Jul-16
1607135385	REG 16	8531	13-Jul-16	BENTHIC REG	COMMENTS				13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	STN LONG DEG	117			13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	STN LONG MIN	18.526			13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	STN LAT DEG	32			13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	STN LAT MIN	47.764			13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	DEPTH METER	52		m	13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	ARRIVE TIME	1010			13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	AIR TEMP	20		C	13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	WIND SPEED	3		kts	13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	WIND DIR		S		13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	SED_TEMP(1)	12			13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	SED_DEPTH(1)	10		cm	13-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt with Clay		13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	VISIBILITY	7		mi	13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	DEPART TIME	1022			13-Jul-16
1607135384	REG 16	8530	13-Jul-16	BENTHIC REG	COMMENTS				13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	STN LONG DEG	117			13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	STN LONG MIN	17.367			13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	STN LAT DEG	32			13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	STN LAT MIN	44.581			13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	DEPTH METER	48		m	13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	ARRIVE TIME	1059			13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	AIR TEMP	20		C	13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	WIND SPEED	4		kts	13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	WIND DIR		S		13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	SED_TEMP(1)	14			13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	SED_DEPTH(1)	10		cm	13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	VISIBILITY	9		mi	13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	DEPART TIME	1117			13-Jul-16
1607135382	REG 16	8525	13-Jul-16	BENTHIC REG	COMMENTS		Grab failure due to poor closure		13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	STN LONG DEG	117			13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	STN LONG MIN	18.356			13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	STN LAT DEG	32			13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	STN LAT MIN	39.342			13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	DEPTH METER	85		m	13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	ARRIVE TIME	1313			13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	AIR TEMP	19		C	13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	WIND SPEED	6		kts	13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	WIND DIR		NE		13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	SED_TEMP(1)	10			13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	SED_DEPTH(1)	8		cm	13-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt		13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	VISIBILITY	12		mi	13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	WEATHER DESC		Haze		13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	DEPART TIME	1320			13-Jul-16
1607135380	REG 16	8518	13-Jul-16	BENTHIC REG	COMMENTS				13-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	STN LONG DEG	117			12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	STN LONG MIN	11.875			12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	STN LAT DEG	32			12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	STN LAT MIN	33.348			12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	DEPTH METER	35		m	12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	ARRIVE TIME	758			12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	AIR TEMP	19		C	12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	WIND SPEED	0		kts	12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	WIND DIR		XX		12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	SED_TEMP(1)	14			12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt with Clay		12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	VISIBILITY	2		mi	12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	DEPART TIME	823			12-Jul-16
1607125271	REG 16	8502	12-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	STN LONG DEG	117			12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	STN LONG MIN	11.236			12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	STN LAT DEG	32			12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	STN LAT MIN	34.88			12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	DEPTH METER	26		m	12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	ARRIVE TIME	847			12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	AIR TEMP	19		C	12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	WIND SPEED	1		kts	12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	WIND DIR		SW		12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	SED_TEMP(1)	15			12-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt		12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	VISIBILITY	2		mi	12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	DEPART TIME	912			12-Jul-16
1607125272	REG 16	8505	12-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	STN LONG DEG	117			12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	STN LONG MIN	8.347			12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	STN LAT DEG	32			12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	STN LAT MIN	36.852			12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	DEPTH METER	5		m	12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	ARRIVE TIME	932			12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	AIR TEMP	20		C	12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	WIND SPEED	6		kts	12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	WIND DIR		SE		12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	SED_TEMP(1)	19			12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand with Sand with Silt		12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	VISIBILITY	2		mi	12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	DEPART TIME	948			12-Jul-16
1607125274	REG 16	8513	12-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	STN LONG DEG	117			12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	STN LONG MIN	13.375			12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	STN LAT DEG	32			12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	STN LAT MIN	37.918			12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	DEPTH METER	20		m	12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	ARRIVE TIME	1026			12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	AIR TEMP	19		C	12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	WIND SPEED	4		kts	12-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	WIND DIR		NW		12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	SED_TEMP(1)	16			12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	SED_DEPTH(1)	7		cm	12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand and Sand with Silt		12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	VISIBILITY	2		mi	12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	DEPART TIME	1041			12-Jul-16
1607125275	REG 16	8515	12-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	STN LONG DEG	117			12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	STN LONG MIN	19.675			12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	STN LAT DEG	32			12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	STN LAT MIN	36.312			12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	DEPTH METER	108		m	12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	ARRIVE TIME	1126			12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	AIR TEMP	18		C	12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	WIND SPEED	6		kts	12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	WIND DIR		S		12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	SED_TEMP(1)	11			12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand with Coarse sand with Silt		12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	VISIBILITY	2		mi	12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	DEPART TIME	1136			12-Jul-16
1607125273	REG 16	8509	12-Jul-16	BENTHIC REG	COMMENTS				12-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	STN LONG DEG	117			25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	STN LONG MIN	21.04			25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	STN LAT DEG	32			25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	STN LAT MIN	52.988			25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	DEPTH METER	350		m	25-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	ARRIVE TIME	846			25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	AIR TEMP	22		C	25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	WIND SPEED	2		kts	25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	WIND DIR		NW		25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	SED_TEMP(1)	10			25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	SED_DEPTH(1)	18		cm	25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	VISIBILITY	3		mi	25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	25-Jul-16
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	DEPART TIME	930			25-Jul-16
							Grab failure due to poor closure; One <i>Brissopsis pacifica</i> in grab		
1607206109	REG 16	8537	20-Jul-16	BENTHIC REG	COMMENTS				25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	STN LONG DEG	117			25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	STN LONG MIN	21.046			25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	STN LAT DEG	32			25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	STN LAT MIN	55.375			25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	DEPTH METER	437		m	25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	ARRIVE TIME	949			25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	AIR TEMP	22		C	25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	WIND SPEED	4		kts	25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	WIND DIR		SE		25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	SED_TEMP(1)	7			25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	SED_DEPTH(1)	18		cm	25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	VISIBILITY	3		mi	25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	25-Jul-16
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	DEPART TIME	1014			25-Jul-16
							Two <i>Brissopsis pacifica</i> in grab		
1607206112	REG 16	8540	20-Jul-16	BENTHIC REG	COMMENTS				25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	STN LONG DEG	117			25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	STN LONG MIN	16.896			25-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	STN LAT DEG	32			25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	STN LAT MIN	54.3			25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	DEPTH METER	112		m	25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	ARRIVE TIME	1037			25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	AIR TEMP	22		C	25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	WIND SPEED	1		kts	25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	WIND DIR		E		25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	SED_TEMP(1)	10			25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay with Fine sand		25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	VISIBILITY	3		mi	25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	DEPART TIME	1107			25-Jul-16
1607206111	REG 16	8539	20-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	STN LONG DEG	117			25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	STN LONG MIN	18.053			25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	STN LAT DEG	32			25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	STN LAT MIN	52.229			25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	DEPTH METER	85		m	25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	ARRIVE TIME	1138			25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	AIR TEMP	22		C	25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	WIND SPEED	7		kts	25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	WIND DIR		E		25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	SED_TEMP(1)	10			25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	SED_DEPTH(1)	11		cm	25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	VISIBILITY	3		mi	25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	DEPART TIME	1159			25-Jul-16
1607206106	REG 16	8534	20-Jul-16	BENTHIC REG	COMMENTS		Grab failure due to poor closure		25-Jul-16



Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	STN LONG DEG	117			25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	STN LONG MIN	18.734			25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	STN LAT DEG	32			25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	STN LAT MIN	52.563			25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	DEPTH METER	135		m	25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	ARRIVE TIME	1207			25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	AIR TEMP	22		C	25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	WIND SPEED	4		kts	25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	WIND DIR		N		25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	SED_TEMP(1)	10			25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	SED_DEPTH(1)	11		cm	25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand and Silt with Coarse sand		25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	VISIBILITY	3		mi	25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	DEPART TIME	1231			25-Jul-16
1607206108	REG 16	8536	20-Jul-16	BENTHIC REG	COMMENTS		One red tuna crab in grab; Sed tox sample collected		25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	STN LONG DEG	117			25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	STN LONG MIN	19.48			25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	STN LAT DEG	32			25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	STN LAT MIN	52.413			25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	DEPTH METER	105		m	25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	ARRIVE TIME	1241			25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	AIR TEMP	22		C	25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	WIND SPEED	9		kts	25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	WIND DIR		SW		25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	SED_TEMP(1)	10			25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	SED_DEPTH(1)	6		cm	25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt with Gravel		25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	VISIBILITY	6		mi	25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		25-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
	REG 16	8535	20-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	DEPART TIME	1300			25-Jul-16
	REG 16	8535	20-Jul-16	BENTHIC REG	COMMENTS		Abandoned due to insufficient depth: Shell hash		25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	STN LONG DEG	117			25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	STN LONG MIN	16.299			25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	STN LAT DEG	32			25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	STN LAT MIN	54.275			25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	DEPTH METER	37		m	25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	ARRIVE TIME	1317			25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	AIR TEMP	22		C	25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	WIND SPEED	4		kts	25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	WIND DIR		SW		25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	SED_TEMP(1)	11			25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	SED_DEPTH(1)	7		cm	25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt		25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	VISIBILITY	6		mi	25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	25-Jul-16
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	DEPART TIME	1324			25-Jul-16
							Station was originally abandoned due to out of range depth within .05 nm, was sampled later in the day		
1607206110	REG 16	8538	20-Jul-16	BENTHIC REG	COMMENTS				25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	STN LONG DEG	117			25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	STN LONG MIN	19.297			25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	STN LAT DEG	32			25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	STN LAT MIN	55.635			25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	DEPTH METER	156		m	25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	ARRIVE TIME	1342			25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	AIR TEMP	23		C	25-Jul-16

**Addendum 1E** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	WIND SPEED	12		kts	25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	WIND DIR		NE		25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	SED_TEMP(1)	10			25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	SED_DEPTH(1)	16		cm	25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay with Fine sand		25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	VISIBILITY	6		mi	25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	DEPART TIME	1359			25-Jul-16
1607206113	REG 16	8547	20-Jul-16	BENTHIC REG	COMMENTS				25-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	STN LONG DEG	117			20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	STN LONG MIN	16.523			20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	STN LAT DEG	32			20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	STN LAT MIN	42.465			20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	DEPTH METER	22		m	20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	ARRIVE TIME	748			20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	AIR TEMP	20		C	20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	WIND SPEED	2		kts	20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	WIND DIR		SW		20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	SED_TEMP(1)	18			20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	SED_DEPTH(1)	5		cm	20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	SED_TYPE(1)		Coarse sand and Sand with Shell hash		20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	VISIBILITY	6		mi	20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-16
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	DEPART TIME	844			20-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
							Sed tox sample collected; Grab failure due to < 5 cm penetration; Grab failure due to < 5 cm penetration; Grab failure due to < 5 cm penetration		
1607195903	REG 16	8522	19-Jul-16	BENTHIC REG	COMMENTS				20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	STN LONG DEG	117			20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	STN LONG MIN	17.593			20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	STN LAT DEG	32			20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	STN LAT MIN	46.922			20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	DEPTH METER	45		m	20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	ARRIVE TIME	913			20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	AIR TEMP	21		C	20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	WIND SPEED	5		kts	20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	WIND DIR		SW		20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	SED_TEMP(1)	14			20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay with Fine sand		20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	VISIBILITY	6		mi	20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	DEPART TIME	933			20-Jul-16
1607195906	REG 16	8529	19-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	STN LONG DEG	117			20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	STN LONG MIN	18.484			20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	STN LAT DEG	32			20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	STN LAT MIN	50.102			20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	DEPTH METER	36		m	20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	ARRIVE TIME	956			20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	AIR TEMP	21		C	20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	WIND SPEED	6		kts	20-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	WIND DIR		E		20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	SED_TEMP(1)	13			20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	SED_TYPE(1)		Sand and Fine sand with Shell hash		20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	VISIBILITY	10		mi	20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	DEPART TIME	1049			20-Jul-16
1607195907	REG 16	8533	19-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected; Grab failure due to poor closure; Grab failure due to < 5 cm penetration; Grab failure due to poor closure Grab failure due to < 5 cm Penetration		20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	STN LONG DEG	117			20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	STN LONG MIN	21.355			20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	STN LAT DEG	32			20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	STN LAT MIN	44.87			20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	DEPTH METER	101		m	20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	ARRIVE TIME	1123			20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	AIR TEMP	20		C	20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	WIND SPEED	9		kts	20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	WIND DIR		SE		20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	SED_TEMP(1)	11			20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	SED_DEPTH(1)	13		cm	20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	VISIBILITY	10		mi	20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	WEATHER DESC		Haze		20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	DEPART TIME	1155			20-Jul-16
1607195905	REG 16	8526	19-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	STN LONG DEG	117			20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	STN LONG MIN	19.533			20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	STN LAT DEG	32			20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	STN LAT MIN	43.871			20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	DEPTH METER	81		m	20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	ARRIVE TIME	1203			20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	AIR TEMP	21		C	20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	WIND SPEED	10		kts	20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	WIND DIR		SW		20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	SED_TEMP(1)	12			20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	SED_DEPTH(1)	9		cm	20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	VISIBILITY	10		mi	20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	WEATHER DESC		Mostly clear		20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	DEPART TIME	1227			20-Jul-16
1607195904	REG 16	8523	19-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	STN LONG DEG	117			20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	STN LONG MIN	20.27			20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	STN LAT DEG	32			20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	STN LAT MIN	41.148			20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	DEPTH METER	138		m	20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	ARRIVE TIME	1247			20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	AIR TEMP	20		C	20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	WIND SPEED	11		kts	20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	WIND DIR		S		20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	SED_TEMP(1)	11			20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	SED_DEPTH(1)	11		cm	20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	VISIBILITY	10		mi	20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	WEATHER DESC		Mostly clear		20-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	DEPART TIME	1321			20-Jul-16
1607195902	REG 16	8520	19-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	STN LONG DEG	117			20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	STN LONG MIN	20.301			20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	STN LAT DEG	32			20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	STN LAT MIN	40.457			20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	DEPTH METER	142		m	20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	ARRIVE TIME	1326			20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	AIR TEMP	20		C	20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	WIND SPEED	5		kts	20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	WIND DIR		E		20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	SED_TEMP(1)	10			20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	SED_DEPTH(1)	11		cm	20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	VISIBILITY	10		mi	20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	WEATHER DESC		Mostly clear		20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	4		ft	20-Jul-16
1607195901	REG 16	8519	19-Jul-16	BENTHIC REG	DEPART TIME	1415			20-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	STN LONG DEG	117			27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	STN LONG MIN	23.534			27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	STN LAT DEG	32			27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	STN LAT MIN	46.181			27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	DEPTH METER	350		m	27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	ARRIVE TIME	813			27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	AIR TEMP	22		C	27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	WIND SPEED	3		kts	27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	WIND DIR		S		27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	SED_TEMP(1)	9			27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	SED_DEPTH(1)	12		cm	27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	VISIBILITY	9		mi	27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	WEATHER DESC		Overcast		27-Jul-16
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	27-Jul-16

Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	DEPART TIME	955			27-Jul-16
							Sed tox sample collected; Grab failure due to washed		
1607276727	REG 16	8527	27-Jul-16	BENTHIC REG	COMMENTS				27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	STN LONG DEG	117			27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	STN LONG MIN	23.495			27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	STN LAT DEG	32			27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	STN LAT MIN	41.426			27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	DEPTH METER	340		m	27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	ARRIVE TIME	1024			27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	AIR TEMP	21		C	27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	WIND SPEED	7		kts	27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	WIND DIR		S		27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	SED_TEMP(1)	9			27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	SED_DEPTH(1)	15		cm	27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	VISIBILITY	12		mi	27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	27-Jul-16
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	DEPART TIME	1143			27-Jul-16
							Sed tox sample collected; Grab failure due to washed		
1607276726	REG 16	8521	27-Jul-16	BENTHIC REG	COMMENTS				27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	STN LONG DEG	117			27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	STN LONG MIN	22.593			27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	STN LAT DEG	32			27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	STN LAT MIN	36.8			27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	DEPTH METER	240		m	27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	ARRIVE TIME	1214			27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	AIR TEMP	22		C	27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	WIND SPEED	7		kts	27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	WIND DIR		NE		27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	SED_TEMP(1)	10			27-Jul-16



Addendum 1E *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	SED_DEPTH(1)	15		cm	27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay		27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	VISIBILITY	12		mi	27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	DEPART TIME	1250			27-Jul-16
1607276725	REG 16	8512	27-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	STN LONG DEG	117			27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	STN LONG MIN	21.431			27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	STN LAT DEG	32			27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	STN LAT MIN	36.558			27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	DEPTH METER	195		m	27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	ARRIVE TIME	1259			27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	AIR TEMP	22		C	27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	WIND SPEED	8		kts	27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	WIND DIR		E		27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	SED_TEMP(1)	9			27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	SED_DEPTH(1)	15		cm	27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	SED_TYPE(1)		Silt and Clay with Fine sand		27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	VISIBILITY	14		mi	27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	DEPART TIME	1338			27-Jul-16
1607276724	REG 16	8510	27-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		27-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	STN LONG DEG	117			28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	STN LONG MIN	16.396			28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	STN LAT DEG	32			28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	STN LAT MIN	38.954			28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	DEPTH METER	57		m	28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	ARRIVE TIME	912			28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	AIR TEMP	22		C	28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	WIND SPEED	3		kts	28-Jul-16

**Addendum 1E** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	WIND DIR		NW		28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	SED_TEMP(1)	14			28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	SED_DEPTH(1)	10		cm	28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	SED_TYPE(1)		Fine sand with Silt		28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	VISIBILITY	13		mi	28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	WEATHER DESC		Partly cloudy		28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	WAVE HEIGHT LOW	3		ft	28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	DEPART TIME	949			28-Jul-16
1607286901	REG 16	8517	28-Jul-16	BENTHIC REG	COMMENTS		Sed tox sample collected		28-Jul-16

## Addendum 1F

Visual observations from Regional benthic stations sampled during 2017.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	STN LONG DEG	117			10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	STN LONG MIN	11.745			10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	STN LAT DEG	32			10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	STN LAT MIN	32.445			10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	DEPTH METER	34		m	10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	ARRIVE TIME	1123			10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	AIR TEMP	20		C	10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	WIND SPEED	7		kts	10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	WIND DIR		N		10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	SED_TEMP(1)	15			10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	SED_DEPTH(1)	9		cm	10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine red relict sand with Silt		10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	VISIBILITY	4		mi	10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	SEA STATE		Calm		10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	WATER COLOR CODE		Greenish-blue		10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	DEPART TIME	1134			10-Jul-17
1707106762	REG 17	8601	10-Jul-17	BENTHIC REG	COMMENTS				10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	STN LONG DEG	117			10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	STN LONG MIN	10.268			10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	STN LAT DEG	32			10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	STN LAT MIN	34.439			10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	DEPTH METER	21		m	10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	ARRIVE TIME	1238			10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	AIR TEMP	20		C	10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	WIND SPEED	6		kts	10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	WIND DIR		S		10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	VISIBILITY	3		mi	10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	SEA STATE		Calm		10-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
	REG 17	8604	10-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	10-Jul-17
	REG 17	8604	10-Jul-17	BENTHIC REG	DEPART TIME	1306			10-Jul-17
							Station abandoned after five attempts due to rocky reef		
	REG 17	8604	10-Jul-17	BENTHIC REG	COMMENTS				10-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	STN LONG MIN	19.522			14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	STN LAT MIN	39.666			14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	DEPTH METER	97		m	14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	ARRIVE TIME	845			14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	AIR TEMP	19		C	14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	WIND SPEED	8		kts	14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	WIND DIR		NE		14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	SED_TEMP(1)	11			14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	SED_DEPTH(1)	6		cm	14-Jul-17
							Silt and Fine sand with Clay		
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	SED_TYPE(1)				14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	VISIBILITY	9		mi	14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	SEA STATE		Calm		14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	4		ft	14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	DEPART TIME	858			14-Jul-17
1707116882	REG 17	8618	11-Jul-17	BENTHIC REG	COMMENTS				14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	STN LONG MIN	14.945			14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	STN LAT MIN	33.551			14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	DEPTH METER	50		m	14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	ARRIVE TIME	825			14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	AIR TEMP	20		C	14-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	WIND SPEED	2		kts	14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	WIND DIR		W		14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	SED_TEMP(1)	11			14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	SED_DEPTH(1)	12		cm	14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	SED_TYPE(1)		Relict red sand		14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	VISIBILITY	5		mi	14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	WATER COLOR CODE		Greenish-blue		14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	DEPART TIME	833			14-Jul-17
1707137002	REG 17	8602	13-Jul-17	BENTHIC REG	COMMENTS				14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	COMMENTS		6 Ohiura leutkenii; 2 Lovenia cirdiformis		24-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	STN LONG MIN	13.688			14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	STN LAT MIN	33.788			14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	DEPTH METER	42		m	14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	ARRIVE TIME	842			14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	AIR TEMP	20		C	14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	WIND SPEED	5		kts	14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	WIND DIR		SW		14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	SED_TEMP(1)	12			14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	SED_DEPTH(1)	12		cm	14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	SED_TYPE(1)		Relict red sand		14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	VISIBILITY	5		mi	14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	SEA STATE		Calm		14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	WATER COLOR CODE		Greenish-brown		14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17
1707137003	REG 17	8603	13-Jul-17	BENTHIC REG	DEPART TIME	850			14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	STN LONG MIN	8.851			14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	STN LAT MIN	35.746			14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	DEPTH METER	14		m	14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	ARRIVE TIME	948			14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	AIR TEMP	20		C	14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	WIND SPEED	6		kts	14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	WIND DIR		SW		14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	SED_TEMP(1)	16			14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	SED_DEPTH(1)	6		cm	14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt		14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	VISIBILITY	5		mi	14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	SEA STATE		Calm		14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	WATER COLOR CODE		Greenish-brown		14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	DEPART TIME	951			14-Jul-17
1707137004	REG 17	8607	13-Jul-17	BENTHIC REG	COMMENTS				14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	STN LONG MIN	11.91			14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	STN LAT MIN	36.332			14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	DEPTH METER	27		m	14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	ARRIVE TIME	1046			14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	AIR TEMP	20		C	14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	WIND SPEED	6		kts	14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	WIND DIR		S		14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	SED_TEMP(1)	14			14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	SED_DEPTH(1)	5		cm	14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt		14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	VISIBILITY	8		mi	14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	SEA STATE		Calm		14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	WATER COLOR CODE		Greenish-brown		14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	DEPART TIME	1051			14-Jul-17
1707137005	REG 17	8609	13-Jul-17	BENTHIC REG	COMMENTS				14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	STN LONG MIN	12.53			14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	STN LAT MIN	37.645			14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	DEPTH METER	23		m	14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	ARRIVE TIME	1131			14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	AIR TEMP	20		C	14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	WIND SPEED	8		kts	14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	WIND DIR		NE		14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	SED_TEMP(1)	14			14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	SED_DEPTH(1)	9		cm	14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	SED_TYPE(1)		Sand and Fine sand		14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	VISIBILITY	11		mi	14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	SEA STATE		Choppy		14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	DEPART TIME	1136			14-Jul-17
1707137006	REG 17	8613	13-Jul-17	BENTHIC REG	COMMENTS				14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	STN LONG MIN	11.788			14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	STN LAT MIN	38.657			14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	DEPTH METER	18		m	14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	ARRIVE TIME	1158			14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	AIR TEMP	20		C	14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	WIND SPEED	9		kts	14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	WIND DIR		S		14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	SED_TEMP(1)	14			14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	SED_DEPTH(1)	7		cm	14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine sand		14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	VISIBILITY	11		mi	14-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	SEA STATE		Choppy		14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	DEPART TIME	1202			14-Jul-17
1707137007	REG 17	8616	13-Jul-17	BENTHIC REG	COMMENTS				14-Jul-17
							2 Caudina arenicola; 15 Dendraster excentricus; 3 Dendraster excen kept for DNA		
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	COMMENTS				24-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	STN LONG MIN	10.4			14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	STN LAT MIN	40.231			14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	DEPTH METER	7		m	14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	ARRIVE TIME	1218			14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	AIR TEMP	21		C	14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	WIND SPEED	9		kts	14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	WIND DIR		SW		14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	SED_TEMP(1)	15			14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	SED_DEPTH(1)	8		cm	14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	SED_TYPE(1)		Sand		14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	VISIBILITY	11		mi	14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	SEA STATE		Choppy		14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17
1707137008	REG 17	8621	13-Jul-17	BENTHIC REG	DEPART TIME	1222			14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	STN LONG DEG	117			14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	STN LONG MIN	10.712			14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	STN LAT DEG	32			14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	STN LAT MIN	32.623			14-Jul-17



Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	DEPTH METER	25		m	14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	ARRIVE TIME	920			14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	AIR TEMP	20		C	14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	WIND SPEED	4		kts	14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	WIND DIR		S		14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	SED_TEMP(1)	14			14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	SED_DEPTH(1)	7		cm	14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt		14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	VISIBILITY	5		mi	14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	SEA STATE		Calm		14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	WATER COLOR CODE		Greenish-brown		14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	DEPART TIME	924			14-Jul-17
1707137009	REG 17	8641	13-Jul-17	BENTHIC REG	COMMENTS		Overdraw station for 8604		14-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	STN LONG DEG	117			19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	STN LONG MIN	18.414			19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	STN LAT DEG	32			19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	STN LAT MIN	46.7			19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	DEPTH METER	58		m	19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	ARRIVE TIME	1307			19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	AIR TEMP	21		C	19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	WIND SPEED	8		kts	19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	WIND DIR		SW		19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	SED_TEMP(1)	14			19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	SED_DEPTH(1)	10		cm	19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay with Silt		19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	VISIBILITY	2		mi	19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	WEATHER DESC		Haze		19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	SEA STATE		Calm		19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	19-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	DEPART TIME	1313			19-Jul-17
1707177220	REG 17	8630	17-Jul-17	BENTHIC REG	COMMENTS				19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	STN LONG DEG	117			19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	STN LONG MIN	23.065			19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	STN LAT DEG	32			19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	STN LAT MIN	49.139			19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	DEPTH METER	302		m	19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	ARRIVE TIME	850			19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	AIR TEMP	20		C	19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	WIND SPEED	7		kts	19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	WIND DIR		SE		19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	SED_TEMP(1)	9			19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	SED_DEPTH(1)	16		cm	19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay		19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	VISIBILITY	2		mi	19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	WEATHER DESC		Fog		19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	SEA STATE		Calm		19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	DEPART TIME	917			19-Jul-17
1707177222	REG 17	8634	17-Jul-17	BENTHIC REG	COMMENTS				19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	STN LONG DEG	117			19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	STN LONG MIN	20.977			19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	STN LAT DEG	32			19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	STN LAT MIN	49.436			19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	DEPTH METER	93		m	19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	ARRIVE TIME	823			19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	AIR TEMP	20		C	19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	WIND SPEED	4		kts	19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	WIND DIR		SW		19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	SED_TEMP(1)	10			19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	SED_DEPTH(1)	10		cm	19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Clay		19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	VISIBILITY	2		mi	19-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	WEATHER DESC		Fog		19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	SEA STATE		Calm		19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	DEPART TIME	840			19-Jul-17
1707177271	REG 17	8635	17-Jul-17	BENTHIC REG	COMMENTS				19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	STN LONG DEG	117			19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	STN LONG MIN	18.162			19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	STN LAT DEG	32			19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	STN LAT MIN	49.672			19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	DEPTH METER	29		m	19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	ARRIVE TIME	1203			19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	AIR TEMP	21		C	19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	WIND SPEED	6		kts	19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	WIND DIR		S		19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	VISIBILITY	2		mi	19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	WEATHER DESC		Haze		19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	SEA STATE		Calm		19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	DEPART TIME	1230			19-Jul-17
	REG 17	8636	17-Jul-17	BENTHIC REG	COMMENTS		Station abandoned due to rocky reef		19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	STN LONG DEG	117			19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	STN LONG MIN	17.664			19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	STN LAT DEG	32			19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	STN LAT MIN	51.164			19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	DEPTH METER	29		m	19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	ARRIVE TIME	1127			19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	AIR TEMP	21		C	19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	WIND SPEED	5		kts	19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	WIND DIR		S		19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	SED_TEMP(1)	13			19-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	SED_DEPTH(1)	10		cm	19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine sand with Sand		19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	VISIBILITY	2		mi	19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	WEATHER DESC		Haze		19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	SEA STATE		Calm		19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	DEPART TIME	1150			19-Jul-17
1707177224	REG 17	8637	17-Jul-17	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration		19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	STN LONG DEG	117			19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	STN LONG MIN	23.476			19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	STN LAT DEG	32			19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	STN LAT MIN	51.169			19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	DEPTH METER	407		m	19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	ARRIVE TIME	935			19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	AIR TEMP	20		C	19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	WIND SPEED	8		kts	19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	WIND DIR		N		19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	SED_TEMP(1)	9			19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	SED_DEPTH(1)	10		cm	19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay		19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	VISIBILITY	2		mi	19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	SEA STATE		Calm		19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	WATER COLOR CODE		Bluish-green		19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	DEPART TIME	950			19-Jul-17
1707177225	REG 17	8638	17-Jul-17	BENTHIC REG	COMMENTS				19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	STN LONG DEG	117			19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	STN LONG MIN	15.762			19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	STN LAT DEG	32			19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	STN LAT MIN	52.342			19-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	DEPTH METER	67		m	19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	ARRIVE TIME	1042			19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	AIR TEMP	21		C	19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	WIND SPEED	6		kts	19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	WIND DIR		NW		19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	SED_TEMP(1)	12			19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	SED_DEPTH(1)	6		cm	19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	VISIBILITY	2		mi	19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	WEATHER DESC		Haze		19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	SEA STATE		Calm		19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	DEPART TIME	1111			19-Jul-17
1707177226	REG 17	8639	17-Jul-17	BENTHIC REG	COMMENTS		Grab failure due to Poor Closure		19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	STN LONG DEG	117			19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	STN LONG MIN	18.044			19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	STN LAT DEG	32			19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	STN LAT MIN	52.65			19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	DEPTH METER	101		m	19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	ARRIVE TIME	1018			19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	AIR TEMP	21		C	19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	WIND SPEED	5		kts	19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	WIND DIR		SW		19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	SED_TEMP(1)	14			19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	SED_DEPTH(1)	6		cm	19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand with Shell hash		19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	VISIBILITY	2		mi	19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	SEA STATE		Calm		19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	WATER COLOR CODE		Bluish-green		19-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	DEPART TIME	1029			19-Jul-17
1707177227	REG 17	8640	17-Jul-17	BENTHIC REG	COMMENTS				19-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	STN LONG MIN	19.682			20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	STN LAT MIN	34.51			20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	DEPTH METER	136		m	20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	ARRIVE TIME	840			20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	WIND SPEED	0		kts	20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	WIND DIR		XX		20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	SED_TEMP(1)	10			20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	10		cm	20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine sand and Clay with Silt and shell hash		20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	VISIBILITY	5		mi	20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	DEPART TIME	853			20-Jul-17
1707197334	REG 17	8605	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	STN LONG MIN	17.417			20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	STN LAT MIN	34.651			20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	DEPTH METER	86		m	20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	ARRIVE TIME	814			20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	AIR TEMP	21		C	20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	WIND SPEED	2		kts	20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	WIND DIR		NE		20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	SED_TEMP(1)	11			20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	9	Fine sand with Clay with Silt	cm	20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	SED_TYPE(1)				20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	VISIBILITY	5		mi	20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	DEPART TIME	826			20-Jul-17
1707197335	REG 17	8606	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	STN LONG MIN	21.72			20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	STN LAT MIN	35.927			20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	DEPTH METER	205		m	20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	ARRIVE TIME	909			20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	WIND SPEED	2		kts	20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	WIND DIR		N		20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	SED_TEMP(1)	10			20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	13		cm	20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay with Silt		20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	VISIBILITY	5		mi	20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	DEPART TIME	927			20-Jul-17
1707197336	REG 17	8608	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	STN LONG MIN	17.594			20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	STN LAT MIN	36.515			20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	DEPTH METER	83		m	20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	ARRIVE TIME	1210			20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	WIND SPEED	6		kts	20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	WIND DIR		N		20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	SED_TEMP(1)	11			20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	10		cm	20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand with Clay		20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	VISIBILITY	12		mi	20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	DEPART TIME	1222			20-Jul-17
1707197337	REG 17	8610	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	STN LONG MIN	20.724			20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	STN LAT MIN	36.551			20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	DEPTH METER	170		m	20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	ARRIVE TIME	935			20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	WIND SPEED	1		kts	20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	WIND DIR		SW		20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	SED_TEMP(1)	10			20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	11		cm	20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt with Clay		20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	VISIBILITY	5		mi	20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17



Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	DEPART TIME	947			20-Jul-17
1707197338	REG 17	8611	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	STN LONG MIN	14.94			20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	STN LAT MIN	37.502			20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	DEPTH METER	28		m	20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	ARRIVE TIME	1234			20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	WIND SPEED	3		kts	20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	WIND DIR		SE		20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	VISIBILITY	12		mi	20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	DEPART TIME	1257			20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	COMMENTS		Grab failure due to Rocky Bottom; Station abandoned		20-Jul-17
	REG 17	8612	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	STN LONG MIN	16.12			20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	STN LAT MIN	38.166			20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	DEPTH METER	54		m	20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	ARRIVE TIME	1304			20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	WIND SPEED	6		kts	20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	WIND DIR		S		20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	SED_TEMP(1)	12			20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	12		cm	20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay and Sand with Fine sand and shell hash		20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	VISIBILITY	12		mi	20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	DEPART TIME	1316			20-Jul-17
1707197339	REG 17	8614	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	STN LONG MIN	20.694			20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	STN LAT MIN	38.328			20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	DEPTH METER	151		m	20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	ARRIVE TIME	1025			20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	WIND SPEED	4		kts	20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	WIND DIR		NW		20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	SED_TEMP(1)	10			20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	15		cm	20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay with Silt with Fine sand		20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	VISIBILITY	10		mi	20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	DEPART TIME	1038			20-Jul-17
1707197340	REG 17	8615	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	STN LONG MIN	20.359			20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	STN LAT MIN	39.268			20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	DEPTH METER	132		m	20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	ARRIVE TIME	1048			20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	WIND SPEED	2		kts	20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	WIND DIR		SW		20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	SED_TEMP(1)	10			20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	10		cm	20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay with Silt		20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	VISIBILITY	10		mi	20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	DEPART TIME	1059			20-Jul-17
1707197341	REG 17	8617	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	STN LONG MIN	15.155			20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	STN LAT MIN	39.696			20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	DEPTH METER	15		m	20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	ARRIVE TIME	1322			20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	WIND SPEED	6		kts	20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	WIND DIR		SE		20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	VISIBILITY	12		mi	20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
	REG 17	8619	19-Jul-17	BENTHIC REG	DEPART TIME	1329			20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
							Mike decided to not try further attempt in fear of damaging grab after one attempt; Station is located in kelp bed and over rock reef; Grab failure due to Rocky Bottom; Station abandoned		
	REG 17	8619	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	STN LONG MIN	11.843			20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	STN LAT MIN	38.838			20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	DEPTH METER	17		m	20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	ARRIVE TIME	1342			20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	WIND SPEED	11		kts	20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	WIND DIR		NE		20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	SED_TEMP(1)	14			20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	SED_DEPTH(1)	9		cm	20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	SED_TYPE(1)		Fine sand and Silt with Clay		20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	VISIBILITY	12		mi	20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	5		ft	20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	DEPART TIME	1349			20-Jul-17
1707197342	REG 17	8645	19-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	STN LONG MIN	22.861			20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	STN LAT MIN	40.233			20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	DEPTH METER	269		m	20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	ARRIVE TIME	812			20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	AIR TEMP	21		C	20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	WIND SPEED	2		kts	20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	WIND DIR		SW		20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	SED_TEMP(1)	10			20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	SED_DEPTH(1)	13		cm	20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt with Clay		20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	VISIBILITY	6		mi	20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	WATER COLOR CODE		Bluish-green		20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	DEPART TIME	837			20-Jul-17
1707207493	REG 17	8620	20-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	STN LONG MIN	21.406			20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	STN LAT MIN	42.323			20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	DEPTH METER	244		m	20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	ARRIVE TIME	851			20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	AIR TEMP	21		C	20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	WIND SPEED	0		kts	20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	WIND DIR		XX		20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	SED_TEMP(1)	10			20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	SED_DEPTH(1)	13		cm	20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay with Silt		20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	VISIBILITY	6		mi	20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	WATER COLOR CODE		Bluish-green		20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	DEPART TIME	915			20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707207494	REG 17	8625	20-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	STN LONG MIN	24.938			20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	STN LAT MIN	43.268			20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	DEPTH METER	469		m	20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	ARRIVE TIME	932			20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	AIR TEMP	21		C	20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	WIND SPEED	2		kts	20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	WIND DIR		S		20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	SED_TEMP(1)	7			20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	SED_DEPTH(1)	16		cm	20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay with Silt		20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	VISIBILITY	6		mi	20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	WATER COLOR CODE		Bluish-green		20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	DEPART TIME	1148			20-Jul-17
1707207495	REG 17	8626	20-Jul-17	BENTHIC REG	COMMENTS		Grab failure due to Poor Closure		20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	STN LONG MIN	24.101			20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	STN LAT MIN	44.83			20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	DEPTH METER	402		m	20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	ARRIVE TIME	1153			20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	AIR TEMP	21		C	20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	WIND SPEED	5		kts	20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	WIND DIR		N		20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	SED_TEMP(1)	8			20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	SED_DEPTH(1)	16		cm	20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	SED_TYPE(1)		Clay with Silt		20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	VISIBILITY	6		mi	20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	WATER COLOR CODE		Bluish-green		20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	DEPART TIME	1259			20-Jul-17
1707207496	REG 17	8629	20-Jul-17	BENTHIC REG	COMMENTS		Grab failure due to Poor Closure		20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	STN LONG MIN	21.941			20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	STN LAT MIN	47.552			20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	DEPTH METER	95		m	20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	ARRIVE TIME	1336			20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	WIND SPEED	6		kts	20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	WIND DIR		SE		20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	SED_TEMP(1)	11			20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	SED_DEPTH(1)	6		cm	20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	SED_TYPE(1)		Sand with Fine sand		20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	VISIBILITY	6		mi	20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	WATER COLOR CODE		Bluish-green		20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	DEPART TIME	1345			20-Jul-17
1707207497	REG 17	8631	20-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	STN LONG DEG	117			20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	STN LONG MIN	22.35			20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	STN LAT DEG	32			20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	STN LAT MIN	47.715			20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	DEPTH METER	108		m	20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	ARRIVE TIME	1300			20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	AIR TEMP	22		C	20-Jul-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	WIND SPEED	9		kts	20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	WIND DIR		S		20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	SED_TEMP(1)	11			20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	SED_DEPTH(1)	7		cm	20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	SED_TYPE(1)		Sand and Fine sand with Shell hash		20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	VISIBILITY	6		mi	20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	SEA STATE		Calm		20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	WATER COLOR CODE		Bluish-green		20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	WAVE PER		12-Nov	sec	20-Jul-17
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	DEPART TIME	1335			20-Jul-17
							Grab failure due to < 5 cm Penetration; Grab failure due to Poor Closure		
1707207498	REG 17	8632	20-Jul-17	BENTHIC REG	COMMENTS				20-Jul-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	STN LONG MIN	16.68			4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	STN LAT MIN	40.659			4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	DEPTH METER	55		m	4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	ARRIVE TIME	1316			4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	WIND SPEED	11		kts	4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	WIND DIR		NW		4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	SED_TEMP(1)	12			4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	SED_DEPTH(1)	8		cm	4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	VISIBILITY	10		mi	4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	4-Aug-17



Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	DEPART TIME	1322			4-Aug-17
1707267825	REG 17	8622	26-Jul-17	BENTHIC REG	COMMENTS				4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	STN LONG MIN	18.971			4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	STN LAT MIN	41.603			4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	DEPTH METER	84		m	4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	ARRIVE TIME	1254			4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	WIND SPEED	9		kts	4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	WIND DIR		W		4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	SED_TEMP(1)	12			4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	SED_DEPTH(1)	9		cm	4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt with Fine sand		4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	VISIBILITY	10		mi	4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	DEPART TIME	1306			4-Aug-17
1707267826	REG 17	8623	26-Jul-17	BENTHIC REG	COMMENTS				4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	STN LONG MIN	15.77			4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	STN LAT MIN	41.836			4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	DEPTH METER	8		m	4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	ARRIVE TIME	757			4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	AIR TEMP	22		C	4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	WIND SPEED	4		kts	4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	WIND DIR		NW		4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	VISIBILITY	9		mi	4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
	REG 17	8624	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	DEPART TIME	801			4-Aug-17
	REG 17	8624	26-Jul-17	BENTHIC REG	COMMENTS		Station abandoned due to rocky reef		4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	STN LONG MIN	16.498			4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	STN LAT MIN	43.424			4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	DEPTH METER	22		m	4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	ARRIVE TIME	813			4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	AIR TEMP	22		C	4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	WIND SPEED	2		kts	4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	WIND DIR		NW		4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	VISIBILITY	9		mi	4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	DEPART TIME	825			4-Aug-17
	REG 17	8627	26-Jul-17	BENTHIC REG	COMMENTS		Station abandoned due to rocky reef		4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	STN LONG MIN	18.725			4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	STN LAT MIN	44.503			4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	DEPTH METER	70		m	4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	ARRIVE TIME	1102			4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	WIND SPEED	10		kts	4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	WIND DIR		SE		4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	SED_TEMP(1)	11			4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	SED_DEPTH(1)	10		cm	4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		4-Aug-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	VISIBILITY	10		mi	4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	DEPART TIME	1114			4-Aug-17
1707267827	REG 17	8628	26-Jul-17	BENTHIC REG	COMMENTS				4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	STN LONG MIN	17.532			4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	STN LAT MIN	48.271			4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	DEPTH METER	22		m	4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	ARRIVE TIME	853			4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	AIR TEMP	22		C	4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	WIND SPEED	4		kts	4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	WIND DIR		S		4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	VISIBILITY	9		mi	4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	DEPART TIME	910			4-Aug-17
	REG 17	8633	26-Jul-17	BENTHIC REG	COMMENTS		Station abandoned due to rocky reef		9-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	STN LONG MIN	15.989			4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	STN LAT MIN	40.943			4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	DEPTH METER	12		m	4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	ARRIVE TIME	742			4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	WIND SPEED	2		kts	4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	WIND DIR		N		4-Aug-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
	REG 17	8646	26-Jul-17	BENTHIC REG	VISIBILITY	9		mi	4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	DEPART TIME	750			4-Aug-17
	REG 17	8646	26-Jul-17	BENTHIC REG	COMMENTS		Station abandoned due to rocky reef		4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	STN LONG MIN	14.112			4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	STN LAT MIN	39.571			4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	DEPTH METER	14		m	4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	ARRIVE TIME	1338			4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	WIND SPEED	12		kts	4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	WIND DIR		NE		4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	VISIBILITY	10		mi	4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	WAVE PER		13-15	sec	4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	DEPART TIME	1349			4-Aug-17
	REG 17	8656	26-Jul-17	BENTHIC REG	COMMENTS		Station abandoned due to cobble		4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	STN LONG MIN	16.463			4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	STN LAT MIN	44.977			4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	DEPTH METER	20		m	4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	ARRIVE TIME	1124			4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	WIND SPEED	10		kts	4-Aug-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
	REG 17	8658	26-Jul-17	BENTHIC REG	WIND DIR		N		4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	VISIBILITY	10		mi	4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	SEA STATE		Choppy		4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	2		ft	4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	WATER COLOR CODE		Blue		4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	WAVE PER		10-Sep	sec	4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	DEPART TIME	1137			4-Aug-17
	REG 17	8658	26-Jul-17	BENTHIC REG	COMMENTS		Station abandoned due to rocky bottom		4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	STN LONG MIN	10.607			4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	STN LAT MIN	35.834			4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	DEPTH METER	20		m	4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	ARRIVE TIME	939			4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	AIR TEMP	22		C	4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	WIND SPEED	4		kts	4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	WIND DIR		SE		4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	SED_TEMP(1)	13			4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	SED_DEPTH(1)	7		cm	4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	VISIBILITY	5		mi	4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	SEA STATE		Calm		4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	WAVE PER		10-Sep	sec	4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	DEPART TIME	949			4-Aug-17
1707278173	REG 17	8653	27-Jul-17	BENTHIC REG	COMMENTS				4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	STN LONG MIN	9.25			4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	STN LAT MIN	33.612			4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	DEPTH METER	12		m	4-Aug-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
	REG 17	8654	27-Jul-17	BENTHIC REG	ARRIVE TIME	850			4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	WIND SPEED	6		kts	4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	WIND DIR		SW		4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	VISIBILITY	5		mi	4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	SEA STATE		Calm		4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	WAVE PER		10-Sep	sec	4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	DEPART TIME	924			4-Aug-17
	REG 17	8654	27-Jul-17	BENTHIC REG	COMMENTS		Station abandoned due to rocky bottom		4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	STN LONG MIN	10.676			4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	STN LAT MIN	39.129			4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	DEPTH METER	15		m	4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	ARRIVE TIME	1027			4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	AIR TEMP	22		C	4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	WIND SPEED	19		kts	4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	WIND DIR		NE		4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	SED_TEMP(1)	14			4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	SED_DEPTH(1)	7		cm	4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	VISIBILITY	5		mi	4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	SEA STATE		Calm		4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	WAVE PER		10-Sep	sec	4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	DEPART TIME	1035			4-Aug-17
1707278174	REG 17	8655	27-Jul-17	BENTHIC REG	COMMENTS				4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	STN LONG MIN	8.878			4-Aug-17

Addendum 1F *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	STN LAT MIN	36.252			4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	DEPTH METER	14		m	4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	ARRIVE TIME	956			4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	AIR TEMP	22		C	4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	WIND SPEED	7		kts	4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	WIND DIR		E		4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	SED_TEMP(1)	13			4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	SED_DEPTH(1)	6		cm	4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	VISIBILITY	5		mi	4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	SEA STATE		Calm		4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	WAVE PER		10-Sep	sec	4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	DEPART TIME	1004			4-Aug-17
1707278175	REG 17	8657	27-Jul-17	BENTHIC REG	COMMENTS				4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	STN LONG MIN	8.967			4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	STN LAT MIN	32.084			4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	DEPTH METER	17		m	4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	ARRIVE TIME	825			4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	WIND SPEED	7		kts	4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	WIND DIR		SW		4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	SED_TEMP(1)	15			4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	SED_DEPTH(1)	6		cm	4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Clay		4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	VISIBILITY	5		mi	4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	WEATHER DESC		Overcast		4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	SEA STATE		Calm		4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		4-Aug-17

**Addendum 1F** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	WAVE PER		10-Sep	sec	4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	DEPART TIME	839			4-Aug-17
1707278176	REG 17	8659	27-Jul-17	BENTHIC REG	COMMENTS		Grab failure due to < 5 cm Penetration		4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	STN LONG DEG	117			4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	STN LONG MIN	10.656			4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	STN LAT DEG	32			4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	STN LAT MIN	37.12			4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	DEPTH METER	20		m	4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	ARRIVE TIME	1111			4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	AIR TEMP	21		C	4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	WIND SPEED	8		kts	4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	WIND DIR		SE		4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	SED_TEMP(1)	14			4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	SED_DEPTH(1)	8		cm	4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	SED_TYPE(1)		Silt and Fine sand		4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	VISIBILITY	6		mi	4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	WEATHER DESC		Partly cloudy		4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	SEA STATE		Calm		4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	WAVE HEIGHT LOW	3		ft	4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	WATER COLOR CODE		Green		4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	WAVE PER		10-Sep	sec	4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	DEPART TIME	1119			4-Aug-17
1707278177	REG 17	8661	27-Jul-17	BENTHIC REG	COMMENTS		1x Glossaulax reclusiana		4-Aug-17



## Addendum 1G

Visual observations from PLOO trawl stations sampled during 2016.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LONG MIN	19.362			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LAT MIN	38.978			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START DEPTH METER	97		m	14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LONG MIN	19.502			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LAT MIN	39.177			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END DEPTH METER	99		m	14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	DEPTH METER	98		m	14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	COMMENTS		Net caught on doors; Tuna Crab Present		14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LONG MIN	19.314			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LAT MIN	38.924			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START DEPTH METER	96		m	14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LONG MIN	19.335			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LAT MIN	38.95			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END DEPTH METER	97		m	14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	DEPTH METER	96		m	14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	COMMENTS		One Minute Trawl beause of Tuna Crab presence;Trawl Fail due to net tangle on door again		14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LONG MIN	19.399			14-May-18

Addendum 1G *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START LAT MIN	38.972			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	START DEPTH METER	97		m	14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LONG MIN	19.42			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END LAT MIN	38.998			14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	END DEPTH METER	98		m	14-May-18
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	DEPTH METER	98		m	14-May-18
							One minute trawl due to tuna crab presence; Pressure probe data: 96 m, 10.4C, 2:30 minutes		
1603289587	PL	SD10	21-Mar-16	FISH: TRAWL	COMMENTS				14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	START LONG MIN	19.814			14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	START LAT MIN	40.633			14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	START DEPTH METER	106		m	14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	END LONG MIN	19.821			14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	END LAT MIN	40.661			14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	END DEPTH METER	105		m	14-May-18
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	DEPTH METER	106		m	14-May-18
							One minute trawl due to tuna crab presence; Pressure probe data: 107m, 10.4C, 1 minutes 20 seconds		
1603289588	PL	SD12	21-Mar-16	FISH: TRAWL	COMMENTS				14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START LONG MIN	20.192			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18

Addendum 1G *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START LAT MIN	42.707			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START DEPTH METER	98		m	14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END LONG MIN	20.239			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END LAT MIN	42.762			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END DEPTH METER	99		m	14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	DEPTH METER	98		m	14-May-18
							One minute trawl due to tuna crab presence; Delayed 1minute 15 seconds because wire slack; Trawl failed - on bottom too long		
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	COMMENTS				14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START LONG MIN	20.144			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START LAT MIN	42.674			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	START DEPTH METER	96		m	14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END LONG MIN	20.166			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END LAT MIN	42.679			14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	END DEPTH METER	97		m	14-May-18
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	DEPTH METER	96		m	14-May-18
							One minute trawl due to tuna crab presence; Pressure Probe Data: 95m, 10.3C, 1 minute 50 seconds		
1603289589	PL	SD13	21-Mar-16	FISH: TRAWL	COMMENTS				14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START LONG MIN	18.323			14-May-18

Addendum 1G *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START LAT MIN	34.969			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START DEPTH METER	98		m	14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END LONG MIN	18.346			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END LAT MIN	34.991			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END DEPTH METER	98		m	14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	DEPTH METER	98		m	14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	COMMENTS		Test Trawl - 1 minute no tuna crab present		14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START LONG MIN	18.376			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START LAT MIN	35.027			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	START DEPTH METER	99		m	14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END LONG MIN	18.529			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END LAT MIN	35.221			14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	END DEPTH METER	100		m	14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	DEPTH METER	100		m	14-May-18
1603289590	PL	SD7	21-Mar-16	FISH: TRAWL	COMMENTS				14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	START LONG MIN	19.203			14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	START LAT MIN	37.372			14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	START DEPTH METER	98		m	14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	END LONG MIN	19.379			14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	END LAT MIN	37.53			14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	END DEPTH METER	100		m	14-May-18
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	DEPTH METER	99		m	14-May-18

Addendum 1G *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1603289591	PL	SD8	21-Mar-16	FISH: TRAWL	COMMENTS		Pressure Probe Data: 99m 10C 13min		14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START LONG MIN	20.871			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START LAT MIN	44.131			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START DEPTH METER	100		m	14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END LONG MIN	20.878			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END LAT MIN	44.155			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END DEPTH METER	102		m	14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	DEPTH METER	101		m	14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	COMMENTS				14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START LONG MIN	20.853			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START LAT MIN	44.111			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	START DEPTH METER	100		m	14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END LONG MIN	20.853			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END LAT MIN	44.177			14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	END DEPTH METER	100		m	14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	DEPTH METER	100		m	14-May-18
1603289592	PL	SD14	28-Mar-16	FISH: TRAWL	COMMENTS		1 min trawl; Pressure probe showed net on bottom for 50 sec; Full of red crab for trawl		14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LONG MIN	18.336			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LAT DEG	32			14-May-18

Addendum 1G *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LAT MIN	34.936			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START DEPTH METER	98		m	14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LONG MIN	18.356			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LAT MIN	34.957			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END DEPTH METER	98		m	14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	DEPTH METER	98		m	14-May-18
							One minute test trawl; net almost empty ; setting back up for a 10 minute trawl		
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	COMMENTS				14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LONG MIN	18.259			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LAT MIN	34.917			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START DEPTH METER	96		m	14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LONG MIN	18.386			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LAT MIN	35.11			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END DEPTH METER	97		m	14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	DEPTH METER	96		m	14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	COMMENTS				14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LONG MIN	18.31			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START LAT MIN	34.924			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	START DEPTH METER	97		m	14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LONG MIN	18.385			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END LAT MIN	35.101			14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	END DEPTH METER	96		m	14-May-18

Addendum 1G *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	DEPTH METER	96		m	14-May-18
1607142620	PL	SD7	14-Jul-16	FISH: TRAWL	COMMENTS				14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	START LONG MIN	19.472			14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	START LAT MIN	39.118			14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	START DEPTH METER	97		m	14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	END LONG MIN	19.479			14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	END LAT MIN	39.137			14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	END DEPTH METER	97		m	14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	DEPTH METER	97		m	14-May-18
1609272621	PL	SD10	27-Sep-16	FISH: TRAWL	COMMENTS		Pressure probe 2 minutes on bottom		14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	START LONG MIN	19.806			14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	START LAT MIN	40.65			14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	START DEPTH METER	97		m	14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	END LONG MIN	19.802			14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	END LAT MIN	40.686			14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	END DEPTH METER	108		m	14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	DEPTH METER	102		m	14-May-18
1609272622	PL	SD12	27-Sep-16	FISH: TRAWL	COMMENTS		6-7 bins of tuna crab; Pressure probe 2 minutes on bottom		14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	START LONG MIN	20.184			14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	START LAT MIN	42.737			14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	START DEPTH METER	98		m	14-May-18

Addendum 1G *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	END LONG MIN	20.207			14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	END LAT MIN	42.772			14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	END DEPTH METER	100		m	14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	DEPTH METER	99		m	14-May-18
1609272623	PL	SD13	27-Sep-16	FISH: TRAWL	COMMENTS		Pressure probe 1 minute on bottom		14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	START LONG MIN	20.923			14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	START LAT MIN	44.239			14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	START DEPTH METER	102		m	14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	END LONG MIN	20.942			14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	END LAT MIN	44.283			14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	END DEPTH METER	102		m	14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	DEPTH METER	102		m	14-May-18
1609272624	PL	SD14	27-Sep-16	FISH: TRAWL	COMMENTS		1 minute trawl due to tuna crab; 2. 5 bins of red tuna crabpressure probe 1min 30 seconds on bottom		14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	START LONG DEG	117			14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	START LONG MIN	19.368			14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	START LAT DEG	32			14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	START LAT MIN	37.559			14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	START DEPTH METER	99		m	14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	END LONG DEG	117			14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	END LONG MIN	19.375			14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	END LAT DEG	32			14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	END LAT MIN	37.583			14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	END DEPTH METER	99		m	14-May-18



**Addendum 1G** *continued*

<b>SAMPLE</b>	<b>PROJECT</b>	<b>STATION</b>	<b>SAMPLE_DATE</b>	<b>SAMPLE_TYPE</b>	<b>PARMCODE</b>	<b>VALUE</b>	<b>TEXT_FIELD</b>	<b>UNITS</b>	<b>RECORD_TIME</b>
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	DEPTH METER	99		m	14-May-18
1609272625	PL	SD8	27-Sep-16	FISH: TRAWL	COMMENTS		Pressure probe shows net on bottom for 3 minutes		14-May-18

## Addendum 1H

Visual observations from PLOO trawl stations sampled during 2017.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	AIR TEMP	14		C	14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	WIND SPEED	8		kts	14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	WIND DIR		NE		14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	START LONG MIN	18.387			14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	START LAT MIN	35.062			14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	START DEPTH METER	97		m	14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	END LONG MIN	18.386			14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	END LAT MIN	35.058			14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	END DEPTH METER	97		m	14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	DEPTH METER	97		m	14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	VISIBILITY	9		mi	14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	WEATHER DESC		Partly Cloudy		14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	SEA STATE		Calm		14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	WAVE HEIGHT LOW	3		ft	14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	WATER COLOR CODE		Blue		14-May-18
1701058285	PL	SD7	5-Jan-17	FISH: TRAWL	WAVE PER		16-18	sec	14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	START LONG MIN	19.485			14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	START LAT MIN	39.182			14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	START DEPTH METER	99		m	14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	END LONG MIN	19.498			14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	END LAT MIN	39.215			14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	END DEPTH METER	99		m	14-May-18
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	DEPTH METER	99		m	14-May-18

Addendum 1H *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701178288	PL	SD10	17-Jan-17	FISH: TRAWL	COMMENTS		One minute trawl to check for Tuna Crab presence; Tuna Crab present; 97m, 2min 10sec; Total Weight: 230 g; Tare Weight: 6.5 kg		14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LONG MIN	19.838			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LAT MIN	40.737			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START DEPTH METER	107		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LONG MIN	19.836			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LAT MIN	40.74			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END DEPTH METER	105		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	DEPTH METER	106		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	DEPTH METER	0		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	COMMENTS		One minute trawl to check for Tuna Crab presence		14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LONG MIN	19.822			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LAT MIN	40.65			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START DEPTH METER	107		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LONG MIN	19.808			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LAT MIN	40.677			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END DEPTH METER	106		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	DEPTH METER	106		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	COMMENTS		One minute trawl to check for Tuna Crab presence; Trawl fail - depth - 92m		14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18

Addendum 1H *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LONG MIN	19.824			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LAT MIN	40.623			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START DEPTH METER	107		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LONG MIN	19.812			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LAT MIN	40.66			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END DEPTH METER	106		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	DEPTH METER	106		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	COMMENTS		One minute trawl to check for Tuna Crab presence; Trawl Failed - depth - 100m		14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LONG MIN	19.806			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START LAT MIN	40.629			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	START DEPTH METER	108		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LONG MIN	19.801			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END LAT MIN	40.7			14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	END DEPTH METER	105		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	DEPTH METER	106		m	14-May-18
1701178289	PL	SD12	17-Jan-17	FISH: TRAWL	COMMENTS		One minute trawl to check for Tuna Crab presence; Tuna Crab present; 106m, 3min 10sec; Total Weight: 400 kg; Tare Weight: 6.5 kg		14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	START LONG MIN	20.282			14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	START LAT MIN	42.857			14-May-18

Addendum 1H *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	START DEPTH METER	100		m	14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	END LONG MIN	20.298			14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	END LAT MIN	42.884			14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	END DEPTH METER	102		m	14-May-18
1701178290	PL	SD13	17-Jan-17	FISH: TRAWL	DEPTH METER	101		m	14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START LONG MIN	20.978			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START LAT MIN	44.282			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START DEPTH METER	101		m	14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END LONG MIN	20.997			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END LAT MIN	44.314			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END DEPTH METER	102		m	14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	DEPTH METER	102		m	14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START LONG MIN	20.941			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START LAT MIN	44.258			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	START DEPTH METER	101		m	14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END LONG MIN	20.973			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END LAT MIN	44.295			14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	END DEPTH METER	102		m	14-May-18
1701178291	PL	SD14	17-Jan-17	FISH: TRAWL	DEPTH METER	102		m	14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	START LONG DEG	117			14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	START LONG MIN	19.362			14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	START LAT DEG	32			14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	START LAT MIN	37.546			14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	START DEPTH METER	99		m	14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	END LONG DEG	117			14-May-18

Addendum 1H *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	END LONG MIN	19.388			14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	END LAT DEG	32			14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	END LAT MIN	37.577			14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	END DEPTH METER	99		m	14-May-18
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	DEPTH METER	99		m	14-May-18
							One minute trawl to check for Red Crab presence; Tuna Crab present; 98m, 2min 10sec; Total Weight: 190 k; Tare Weight: 6.5 kg		
1701178292	PL	SD8	17-Jan-17	FISH: TRAWL	COMMENTS				14-May-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	AIR TEMP	22		C	30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	WIND SPEED	2		kts	30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	WIND DIR		W		30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	START LONG DEG	117			30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	START LONG MIN	18.36			30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	START LAT DEG	32			30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	START LAT MIN	34.986			30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	START DEPTH METER	98		m	30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	END LONG DEG	117			30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	END LONG MIN	18.364			30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	END LAT DEG	32			30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	END LAT MIN	35.039			30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	END DEPTH METER	97		m	30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	DEPTH METER	98		m	30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	VISIBILITY	6		mi	30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	WEATHER DESC		Overcast		30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	SEA STATE		Calm		30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	WAVE HEIGHT LOW	2		ft	30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	WATER COLOR CODE		Green		30-Apr-18
1707259433	PL	SD7	26-Jul-17	FISH: TRAWL	WAVE PER		12-Nov	sec	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	AIR TEMP	22		C	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WIND SPEED	2		kts	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WIND DIR		W		30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START LONG DEG	117			30-Apr-18

Addendum 1H *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START LONG MIN	19.315			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START LAT DEG	32			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START LAT MIN	37.504			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START DEPTH METER	100		m	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END LONG DEG	117			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END LONG MIN	19.331			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END LAT DEG	32			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END LAT MIN	37.529			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END DEPTH METER	100		m	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	DEPTH METER	100		m	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	VISIBILITY	6		mi	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WEATHER DESC		Overcast		30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	SEA STATE		Choppy		30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WAVE HEIGHT LOW	2		ft	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WATER COLOR CODE		Green		30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WAVE PER		12-Nov	sec	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	AIR TEMP	22		C	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WIND SPEED	2		kts	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WIND DIR		W		30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START LONG DEG	117			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START LONG MIN	19.291			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START LAT DEG	32			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START LAT MIN	37.435			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	START DEPTH METER	100		m	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END LONG DEG	117			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END LONG MIN	19.417			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END LAT DEG	32			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END LAT MIN	37.601			30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	END DEPTH METER	100		m	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	DEPTH METER	100		m	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	VISIBILITY	6		mi	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WEATHER DESC		Overcast		30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	SEA STATE		Choppy		30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WAVE HEIGHT LOW	2		ft	30-Apr-18
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WATER COLOR CODE		Green		30-Apr-18

Addendum 1H *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259434	PL	SD8	26-Jul-17	FISH: TRAWL	WAVE PER		12-Nov	sec	30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	AIR TEMP	21		C	30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	WIND SPEED	11		kts	30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	WIND DIR		E		30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	START LONG DEG	117			30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	START LONG MIN	19.472			30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	START LAT DEG	32			30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	START LAT MIN	39.108			30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	START DEPTH METER	99		m	30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	END LONG DEG	117			30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	END LONG MIN	19.488			30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	END LAT DEG	32			30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	END LAT MIN	39.154			30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	END DEPTH METER	100		m	30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	DEPTH METER	100		m	30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	COMMENTS		1 minute trawl;11.4 kg of red crab		30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	VISIBILITY	9		mi	30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	WEATHER DESC		Partly Cloudy		30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	SEA STATE		Choppy		30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	WAVE HEIGHT LOW	4		ft	30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	WATER COLOR CODE		Blue		30-Apr-18
1707259437	PL	SD10	1-Aug-17	FISH: TRAWL	WAVE PER		13-15	sec	30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	AIR TEMP	21		C	30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	WIND SPEED	6		kts	30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	WIND DIR		S		30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	START LONG DEG	117			30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	START LONG MIN	19.82			30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	START LAT DEG	32			30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	START LAT MIN	40.691			30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	START DEPTH METER	106		m	30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	END LONG DEG	117			30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	END LONG MIN	19.828			30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	END LAT DEG	32			30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	END LAT MIN	40.733			30-Apr-18



Addendum 1H *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	END DEPTH METER	105		m	30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	DEPTH METER	106		m	30-Apr-18
							1min trawl good; 89 kg of red crab and 5 kg tare weight; Pressure probe 1min and 50 sec on the bottom		
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	COMMENTS				30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	VISIBILITY	9		mi	30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	WEATHER DESC		Partly Cloudy		30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	SEA STATE		Choppy		30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	WAVE HEIGHT LOW	4		ft	30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	WATER COLOR CODE		Blue		30-Apr-18
1707259438	PL	SD12	1-Aug-17	FISH: TRAWL	WAVE PER		13-15	sec	30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	AIR TEMP	22		C	30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	WIND SPEED	1		kts	30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	WIND DIR		S		30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	START LONG DEG	117			30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	START LONG MIN	20.223			30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	START LAT DEG	32			30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	START LAT MIN	42.792			30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	START DEPTH METER	98		m	30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	END LONG DEG	117			30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	END LONG MIN	20.233			30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	END LAT DEG	32			30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	END LAT MIN	42.808			30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	END DEPTH METER	98		m	30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	DEPTH METER	98		m	30-Apr-18
							Pressure probe 1min 40 seconds on bottom; 133kg of red crab tare weight 5.5 kg		
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	COMMENTS				30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	VISIBILITY	9		mi	30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	WEATHER DESC		Partly Cloudy		30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	SEA STATE		Choppy		30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	WAVE HEIGHT LOW	4		ft	30-Apr-18

Addendum 1H *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	WATER COLOR CODE		Blue		30-Apr-18
1707259439	PL	SD13	1-Aug-17	FISH: TRAWL	WAVE PER		13-15	sec	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	AIR TEMP	21		C	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WIND SPEED	9		kts	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WIND DIR		E		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START LONG DEG	117			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START LONG MIN	20.923			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START LAT DEG	32			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START LAT MIN	44.24			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START DEPTH METER	100		m	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END LONG DEG	117			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END LONG MIN	20.93			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END LAT DEG	32			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END LAT MIN	44.26			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END DEPTH METER	100		m	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	DEPTH METER	100		m	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	COMMENTS		1 min trawl; Pressure sensor 4 min on bottom		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	VISIBILITY	9		mi	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WEATHER DESC		Partly Cloudy		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	SEA STATE		Choppy		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WAVE HEIGHT LOW	4		ft	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WATER COLOR CODE		Blue		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WAVE PER		13-15	sec	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	AIR TEMP	21		C	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WIND SPEED	7		kts	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WIND DIR		NE		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START LONG DEG	117			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START LONG MIN	20.943			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START LAT DEG	32			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START LAT MIN	44.225			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	START DEPTH METER	100		m	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END LONG DEG	117			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END LONG MIN	21.033			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END LAT DEG	32			30-Apr-18

**Addendum 1H** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END LAT MIN	44.454			30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	END DEPTH METER	100		m	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	DEPTH METER	100		m	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	COMMENTS		Pressure sensor 12 minutes on the bottom		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	VISIBILITY	9		mi	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WEATHER DESC		Partly Cloudy		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	SEA STATE		Choppy		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WAVE HEIGHT LOW	4		ft	30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WATER COLOR CODE		Blue		30-Apr-18
1707259440	PL	SD14	1-Aug-17	FISH: TRAWL	WAVE PER		13-15	sec	30-Apr-18

## Addendum 1I

Visual observations from SBOO trawl stations sampled during 2016.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	START LONG MIN	12.652			14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	START LAT MIN	36.911			14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	START DEPTH METER	29		m	14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	END LONG MIN	12.842			14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	END LAT MIN	37.27			14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	END DEPTH METER	27		m	14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1601209586	SBOO	SD21	20-Jan-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	START LONG MIN	10.463			14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	START LAT MIN	28.279			14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	START DEPTH METER	29		m	14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	END LONG MIN	10.648			14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	END LAT MIN	28.515			14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	END DEPTH METER	30		m	14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	DEPTH METER	30		m	14-May-18
1601169580	SBOO	SD15	25-Jan-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	START LONG MIN	10.704			14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	START LAT MIN	30.931			14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	START DEPTH METER	30		m	14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	END LONG MIN	10.822			14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	END LAT MIN	31.191			14-May-18

**Addendum 11** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	END DEPTH METER	31		m	14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	DEPTH METER	30		m	14-May-18
1601169581	SBOO	SD16	25-Jan-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	START LONG MIN	11.291			14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	START LAT MIN	31.637			14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	START DEPTH METER	33		m	14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	END LONG MIN	11.293			14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	END LAT MIN	31.927			14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	END DEPTH METER	33		m	14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	DEPTH METER	33		m	14-May-18
1601169582	SBOO	SD17	25-Jan-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	START LONG MIN	11.327			14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	START LAT MIN	32.405			14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	START DEPTH METER	32		m	14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	END LONG MIN	11.348			14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	END LAT MIN	32.729			14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	END DEPTH METER	33		m	14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	DEPTH METER	32		m	14-May-18
1601169583	SBOO	SD18	25-Jan-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	START LONG MIN	11.036			14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	START LAT MIN	33.418			14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	START DEPTH METER	29		m	14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	END LONG MIN	11.223			14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18

**Addendum 11** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	END LAT MIN	33.68			14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	END DEPTH METER	30		m	14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	DEPTH METER	30		m	14-May-18
1601169584	SBOO	SD19	26-Jan-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	START LONG MIN	11.382			14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	START LAT MIN	34.486			14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	START DEPTH METER	30		m	14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	END LONG MIN	11.476			14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	END LAT MIN	34.785			14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	END DEPTH METER	29		m	14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	DEPTH METER	30		m	14-May-18
1601169585	SBOO	SD20	26-Jan-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	START LONG MIN	10.652			14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	START LAT MIN	30.906			14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	START DEPTH METER	27		m	14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	END LONG MIN	10.724			14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	END LAT MIN	31.103			14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	END DEPTH METER	28		m	14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1607081500	SBOO	SD16	8-Jul-16	FISH: TRAWL ITP	COMMENTS		Good 10 min trawl; few red crabs		14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	START LONG MIN	11.255			14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	START LAT MIN	31.75			14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	START DEPTH METER	31		m	14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18

**Addendum 11** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	END LONG MIN	11.231			14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	END LAT MIN	31.987			14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	END DEPTH METER	31		m	14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	DEPTH METER	31		m	14-May-18
1607081501	SBOO	SD17	8-Jul-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	START LONG MIN	11.337			14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	START LAT MIN	32.511			14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	START DEPTH METER	30		m	14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	END LONG MIN	11.396			14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	END LAT MIN	32.766			14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	END DEPTH METER	30		m	14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	DEPTH METER	30		m	14-May-18
1607121502	SBOO	SD18	12-Jul-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	START LONG MIN	11			14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	START LAT MIN	33.407			14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	START DEPTH METER	27		m	14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	END LONG MIN	11.165			14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	END LAT MIN	33.577			14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	END DEPTH METER	28		m	14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1607121503	SBOO	SD19	12-Jul-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	START LONG MIN	12.605			14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	START LAT MIN	36.873			14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	START DEPTH METER	28		m	14-May-18

**Addendum 11** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	END LONG MIN	12.744			14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	END LAT MIN	37.154			14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	END DEPTH METER	27		m	14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1607121504	SBOO	SD21	12-Jul-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START LONG MIN	10.479			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START LAT MIN	28.346			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START DEPTH METER	28		m	14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END LONG MIN	10.488			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END LAT MIN	28.364			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END DEPTH METER	28		m	14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	COMMENTS		1 min test trawl; No crabs; Proceed with 10 min trawl		14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START LONG MIN	10.44			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START LAT MIN	28.263			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	START DEPTH METER	28		m	14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END LONG MIN	10.588			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END LAT MIN	28.519			14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	END DEPTH METER	29		m	14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1608251505	SBOO	SD15	25-Aug-16	FISH: TRAWL ITP	COMMENTS				14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	START LONG MIN	11.389			14-May-18



**Addendum 11** *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	START LAT MIN	34.652			14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	START DEPTH METER	28		m	14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	END LONG MIN	11.549			14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	END LAT MIN	34.897			14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	END DEPTH METER	29		m	14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1608251506	SBOO	SD20	25-Aug-16	FISH: TRAWL ITP	COMMENTS				14-May-18

## Addendum 1J

Visual observations from SBOO trawl stations sampled during 2017.

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	AIR TEMP	14		C	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WIND SPEED	0		kts	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WIND DIR		XX		14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START LONG MIN	10.462			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START LAT MIN	28.299			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START DEPTH METER	27		m	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END LONG MIN	10.476			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END LAT MIN	28.323			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END DEPTH METER	27		m	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	DEPTH METER	27		m	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	VISIBILITY	9		mi	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	SEA STATE		Calm		14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	3		ft	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WATER COLOR CODE		Blue-Green		14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	AIR TEMP	14		C	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WIND SPEED	0		kts	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WIND DIR		XX		14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START LONG MIN	10.437			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START LAT MIN	28.237			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	START DEPTH METER	27		m	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END LONG MIN	10.621			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END LAT MIN	28.522			14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	END DEPTH METER	29		m	14-May-18

Addendum 1J *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	COMMENTS				14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	VISIBILITY	9		mi	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	SEA STATE		Calm		14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	3		ft	14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WATER COLOR CODE		Blue-Green		14-May-18
1707259428	SBOO	SD15	4-Jan-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	AIR TEMP	15		C	14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	WIND SPEED	0		kts	14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	WIND DIR		XX		14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	START LONG MIN	10.698			14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	START LAT MIN	30.927			14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	START DEPTH METER	28		m	14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	END LONG MIN	10.845			14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	END LAT MIN	31.219			14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	END DEPTH METER	29		m	14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	COMMENTS				14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	VISIBILITY	9		mi	14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	SEA STATE		Calm		14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	3		ft	14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	WATER COLOR CODE		Blue-Green		14-May-18
1707259429	SBOO	SD16	4-Jan-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	AIR TEMP	15		C	14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	WIND SPEED	0		kts	14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	WIND DIR		XX		14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	START LONG MIN	11.255			14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	START LAT DEG	32			14-May-18

Addendum 1J *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	START LAT MIN	31.766			14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	START DEPTH METER	31		m	14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	END LONG MIN	11.302			14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	END LAT MIN	32.075			14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	END DEPTH METER	32		m	14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	DEPTH METER	32		m	14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	COMMENTS				14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	VISIBILITY	9		mi	14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	SEA STATE		Calm		14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	3		ft	14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	WATER COLOR CODE		Blue-Green		14-May-18
1707259430	SBOO	SD17	4-Jan-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	AIR TEMP	15		C	14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	WIND SPEED	0		kts	14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	WIND DIR		XX		14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	START LONG MIN	11.343			14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	START LAT MIN	32.492			14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	START DEPTH METER	31		m	14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	END LONG MIN	11.361			14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	END LAT MIN	32.772			14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	END DEPTH METER	31		m	14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	DEPTH METER	31		m	14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	COMMENTS				14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	VISIBILITY	9		mi	14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	SEA STATE		Calm		14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	3		ft	14-May-18
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	WATER COLOR CODE		Blue-Green		14-May-18

Addendum 1J *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259431	SBOO	SD18	4-Jan-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	WIND SPEED	0		kts	14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	WIND DIR		XX		14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	START LONG MIN	11.055			14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	START LAT MIN	33.43			14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	START DEPTH METER	28		m	14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	END LONG MIN	11.202			14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	END LAT MIN	33.662			14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	END DEPTH METER	30		m	14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	DEPTH METER	29		m	14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	COMMENTS				14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	VISIBILITY	0		mi	14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	SEA STATE		Calm		14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	AIR TEMP	16		C	14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	3		ft	14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	WATER COLOR CODE		Blue-Green		14-May-18
1707259432	SBOO	SD19	4-Jan-17	FISH: TRAWL ITP	WAVE PER				14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	AIR TEMP	16		C	14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	WIND SPEED	0		kts	14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	WIND DIR		XX		14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	START LONG MIN	11.457			14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	START LAT MIN	34.733			14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	START DEPTH METER	27		m	14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	END LONG MIN	11.64			14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	END LAT MIN	35.046			14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	END DEPTH METER	28		m	14-May-18

Addendum 1J *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	COMMENTS				14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	VISIBILITY	0		mi	14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	SEA STATE		Calm		14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	3		ft	14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	WATER COLOR CODE		Blue-Green		14-May-18
1707269435	SBOO	SD20	5-Jan-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	AIR TEMP	16		C	14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	WIND SPEED	0		kts	14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	WIND DIR		XX		14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	START LONG DEG	117			14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	START LONG MIN	12.68			14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	START LAT DEG	32			14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	START LAT MIN	36.975			14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	START DEPTH METER	28		m	14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	END LONG DEG	117			14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	END LONG MIN	12.867			14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	END LAT DEG	32			14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	END LAT MIN	37.268			14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	END DEPTH METER	27		m	14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	DEPTH METER	28		m	14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	COMMENTS				14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	VISIBILITY	0		mi	14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	SEA STATE		Calm		14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	3		ft	14-May-18
1707269436	SBOO	SD21	5-Jan-17	FISH: TRAWL ITP	WATER COLOR CODE		Blue-Green		14-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	AIR TEMP	20		C	1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	COMMENTS				1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	DEPTH METER	28		m	1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	END DEPTH METER	28		m	1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	END LAT DEG	32			1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	END LAT MIN	28.478			1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	END LONG DEG	117			1-May-18

Addendum 1J *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	END LONG MIN	10.573			1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	SEA STATE		Calm		1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	START DEPTH METER	27		m	1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	START LAT DEG	32			1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	START LAT MIN	28.284			1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	START LONG DEG	117			1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	START LONG MIN	10.453			1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	VISIBILITY	5		mi	1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	WATER COLOR CODE		Green		1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	2		ft	1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	WIND DIR		SW		1-May-18
1707259428	SBOO	SD15	25-Jul-17	FISH: TRAWL ITP	WIND SPEED	5		kts	1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	AIR TEMP	20		C	1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	COMMENTS				1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	DEPTH METER	28		m	1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	END DEPTH METER	29		m	1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	END LAT DEG	32			1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	END LAT MIN	31.045			1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	END LONG DEG	117			1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	END LONG MIN	10.752			1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	SEA STATE		Calm		1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	START DEPTH METER	28		m	1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	START LAT DEG	32			1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	START LAT MIN	30.854			1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	START LONG DEG	117			1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	START LONG MIN	10.633			1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	VISIBILITY	5		mi	1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	WATER COLOR CODE		Green		1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	2		ft	1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	WIND DIR		NE		1-May-18
1707259429	SBOO	SD16	25-Jul-17	FISH: TRAWL ITP	WIND SPEED	5		kts	1-May-18

Addendum 1J *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	AIR TEMP	20		C	1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	COMMENTS				1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	DEPTH METER	31		m	1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	END DEPTH METER	31		m	1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	END LAT DEG	32			1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	END LAT MIN	31.958			1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	END LONG DEG	117			1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	END LONG MIN	11.26			1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	SEA STATE		Calm		1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	START DEPTH METER	31		m	1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	START LAT DEG	32			1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	START LAT MIN	31.689			1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	START LONG DEG	117			1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	START LONG MIN	11.255			1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	VISIBILITY	5		mi	1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	WATER COLOR CODE		Green		1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	2		ft	1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	WIND DIR		N		1-May-18
1707259430	SBOO	SD17	25-Jul-17	FISH: TRAWL ITP	WIND SPEED	8		kts	1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	AIR TEMP	20		C	1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	COMMENTS				1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	DEPTH METER	31		m	1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	END DEPTH METER	31		m	1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	END LAT DEG	32			1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	END LAT MIN	32.695			1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	END LONG DEG	117			1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	END LONG MIN	11.375			1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	SEA STATE		Calm		1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	START DEPTH METER	31		m	1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	START LAT DEG	32			1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	START LAT MIN	32.432			1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	START LONG DEG	117			1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	START LONG MIN	11.334			1-May-18



Addendum 1J *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	VISIBILITY	5		mi	1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	WATER COLOR CODE		Green		1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	2		ft	1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	WIND DIR		S		1-May-18
1707259431	SBOO	SD18	25-Jul-17	FISH: TRAWL ITP	WIND SPEED	10		kts	1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	AIR TEMP	21		C	1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	COMMENTS				1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	DEPTH METER	28		m	1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	END DEPTH METER	29		m	1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	END LAT DEG	32			1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	END LAT MIN	33.694			1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	END LONG DEG	117			1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	END LONG MIN	11.251			1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	SEA STATE		Calm		1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	START DEPTH METER	28		m	1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	START LAT DEG	32			1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	START LAT MIN	33.452			1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	START LONG DEG	117			1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	START LONG MIN	11.055			1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	VISIBILITY	5		mi	1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	WATER COLOR CODE		Green		1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	2		ft	1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	WIND DIR		W		1-May-18
1707259432	SBOO	SD19	25-Jul-17	FISH: TRAWL ITP	WIND SPEED	5		kts	1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	AIR TEMP	22		C	1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	WIND SPEED	2		kts	1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	WIND DIR		W		1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	START LONG DEG	117			1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	START LONG MIN	11.396			1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	START LAT DEG	32			1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	START LAT MIN	34.652			1-May-18

Addendum 1J *continued*

SAMPLE	PROJECT	STATION	SAMPLE_DATE	SAMPLE_TYPE	PARMCODE	VALUE	TEXT_FIELD	UNITS	RECORD_TIME
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	START DEPTH METER	27		m	1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	END LONG DEG	117			1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	END LONG MIN	11.586			1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	END LAT DEG	32			1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	END LAT MIN	34.954			1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	END DEPTH METER	27		m	1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	DEPTH METER	27		m	1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	COMMENTS		Pressure sensor bottom time 13:40		1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	VISIBILITY	6		mi	1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	SEA STATE		Calm		1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	2		ft	1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	WATER COLOR CODE		Green		1-May-18
1707259435	SBOO	SD20	26-Jul-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	AIR TEMP	22		C	1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	WIND SPEED	2		kts	1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	WIND DIR		W		1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	START LONG DEG	117			1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	START LONG MIN	12.668			1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	START LAT DEG	32			1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	START LAT MIN	36.973			1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	START DEPTH METER	28		m	1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	END LONG DEG	117			1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	END LONG MIN	12.772			1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	END LAT DEG	32			1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	END LAT MIN	37.14			1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	END DEPTH METER	28		m	1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	DEPTH METER	28		m	1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	COMMENTS		Pressure sensor bottom time 14:30		1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	VISIBILITY	6		mi	1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	WEATHER DESC		Overcast		1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	SEA STATE		Calm		1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	WAVE HEIGHT LOW	2		ft	1-May-18

**Addendum 1J** *continued*

<b>SAMPLE</b>	<b>PROJECT</b>	<b>STATION</b>	<b>SAMPLE_DATE</b>	<b>SAMPLE_TYPE</b>	<b>PARMCODE</b>	<b>VALUE</b>	<b>TEXT_FIELD</b>	<b>UNITS</b>	<b>RECORD_TIME</b>
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	WATER COLOR CODE		Green		1-May-18
1707259436	SBOO	SD21	26-Jul-17	FISH: TRAWL ITP	WAVE PER		12-Nov	sec	1-May-18

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**Addendum 2**  
**Coastal Oceanographic Conditions**  
**2017 Raw Data Tables**  
**PLOO and SBOO Stations**



## Addendum 2-1

Summary of temperature, salinity, dissolved oxygen (DO), pH, transmissivity, and chlorophyll a for various depth layers as well as the entire water column for all PLOO stations sampled during 2017. For each quarter: n≥840 (1–20 m), n≥1318 (21–60 m), n≥444 (61–80 m), n≥185 (81–100 m). Sample sizes differed due to variations in bottom depth at individual stations.

Temperature (°C)		Depth (m)				
		1–20	21–60	61–80	81–100	1–100
<i>February</i>	min	13.3	10.8	10.1	9.7	9.7
	max	15.4	14.9	12.6	10.8	15.4
	mean	14.6	13.1	11.0	10.1	13.0
<i>May</i>	min	10.5	9.8	9.6	9.6	9.6
	max	19.3	12.1	10.1	9.8	19.3
	mean	13.2	10.4	9.9	9.7	11.1
<i>August</i>	min	12.5	11.0	10.7	10.4	10.4
	max	22.9	14.8	12.0	11.1	22.9
	mean	16.8	12.5	11.2	10.8	13.4
<i>November</i>	min	14.9	12.7	12.3	11.3	11.3
	max	19.5	17.3	13.8	13.0	19.5
	mean	17.9	14.3	13.0	12.3	15.0
<b>Annual</b>	min	10.5	9.8	9.6	9.6	9.6
	max	22.9	17.3	13.8	13.0	22.9
	mean	15.6	12.6	11.3	10.8	13.1
<b>Salinity (ppt)</b>						
<i>February</i>	min	33.12	33.25	33.38	33.61	33.12
	max	33.36	33.57	33.78	33.90	33.90
	mean	33.28	33.37	33.55	33.75	33.41
<i>May</i>	min	33.34	33.39	33.68	33.79	33.34
	max	34.20	33.83	33.94	34.01	34.20
	mean	33.55	33.68	33.8	33.91	33.68
<i>August</i>	min	33.29	33.34	33.43	33.54	33.29
	max	34.02	33.58	33.64	33.77	34.02
	mean	33.44	33.42	33.54	33.64	33.46
<i>November</i>	min	33.35	33.34	33.35	33.37	33.34
	max	33.55	33.43	33.46	33.62	33.62
	mean	33.43	33.37	33.41	33.46	33.41
<b>Annual</b>	min	33.12	33.25	33.35	33.37	33.12
	max	34.20	33.83	33.94	34.01	34.20
	mean	33.43	33.46	33.57	33.68	33.49

## Addendum 2-1 *continued*

DO (mg/L)		Depth (m)				
		1–20	21–60	61–80	81–100	1–100
<i>February</i>	min	6.2	4.7	3.8	3.5	3.5
	max	8.9	8.1	5.6	4.5	8.9
	mean	7.9	6.2	4.7	4.0	6.3
<i>May</i>	min	3.5	2.9	2.8	2.8	2.8
	max	9.3	8.1	4.2	3.9	9.3
	mean	6.9	3.9	3.4	3.2	4.7
<i>August</i>	min	5.4	4.3	3.9	3.6	3.6
	max	10.9	8.6	5.3	4.5	10.9
	mean	8.2	5.8	4.4	4.0	6.2
<i>November</i>	min	6.2	5.6	5.3	4.3	4.3
	max	8.4	8.3	6.7	6.1	8.4
	mean	7.9	7.1	6.0	5.3	7.0
<b>Annual</b>	min	3.5	2.9	2.8	2.8	2.8
	max	10.9	8.6	6.7	6.1	10.9
	mean	7.7	5.7	4.6	4.2	6.0

pH						
<i>February</i>	min	8.0	7.8	7.7	7.7	7.7
	max	8.2	8.1	7.9	7.8	8.2
	mean	8.1	8.0	7.8	7.8	8.0
<i>May</i>	min	7.8	7.7	7.7	7.7	7.7
	max	8.3	8.1	7.8	7.8	8.3
	mean	8.1	7.8	7.8	7.7	7.9
<i>August</i>	min	7.7	7.7	7.6	7.6	7.6
	max	8.3	8.1	7.8	7.7	8.3
	mean	8.1	7.8	7.7	7.7	7.9
<i>November</i>	min	8.0	7.9	7.9	7.8	7.8
	max	8.2	8.2	8.0	8.0	8.2
	mean	8.1	8.1	8.0	7.9	8.0
<b>Annual</b>	min	7.7	7.7	7.6	7.6	7.6
	max	8.3	8.2	8.0	8.0	8.3
	mean	8.1	7.9	7.8	7.8	7.9



## Addendum 2-1 *continued*

Transmissivity (%)		Depth (m)				
		1–20	21–60	61–80	81–100	1–100
<i>February</i>	min	5	55	39	31	5
	max	91	91	90	88	91
	mean	84	84	76	71	82
<i>May</i>	min	37	49	73	81	37
	max	92	93	94	94	94
	mean	79	90	91	91	87
<i>August</i>	min	68	78	81	85	68
	max	90	94	94	94	94
	mean	81	91	91	91	88
<i>November</i>	min	34	77	76	83	34
	max	90	91	91	90	91
	mean	86	88	89	88	88
<b>Annual</b>	min	5	49	39	31	5
	max	92	94	94	94	94
	mean	83	88	87	85	86

Chlorophyll a (µg/L)						
<i>February</i>	min	0.2	0.2	0.1	0.1	0.1
	max	8.9	4.9	0.6	0.3	8.9
	mean	1.6	0.9	0.2	0.1	1.0
<i>May</i>	min	0.3	<0.1	<0.1	<0.1	<0.1
	max	59.0	59.0	0.3	0.1	59.0
	mean	6.0	1.3	0.1	<0.1	2.4
<i>August</i>	min	0.5	0.2	0.1	<0.1	<0.1
	max	6.6	5.0	0.5	0.2	6.6
	mean	2.4	1.1	0.2	0.1	1.3
<i>November</i>	min	0.3	0.5	0.4	0.3	0.3
	max	3.5	3.1	1.1	0.9	3.5
	mean	1.2	1.2	0.7	0.5	1.1
<b>Annual</b>	min	0.2	<0.1	<0.1	<0.1	<0.1
	max	59.0	59.0	1.1	0.9	59.0
	mean	2.8	1.2	0.3	0.2	1.4

## Addendum 2-2

Summary of temperature, salinity, DO, pH, transmissivity, and chlorophyll *a* for various depth layers as well as the entire water column for all SBOO stations sampled during 2017. For each quarter: n ≥ 324 (1–9 m), n ≥ 294 (10–19 m), n ≥ 179 (20–28 m), n ≥ 83 (29–38 m), n ≥ 69 (39–55 m). Sample sizes differed due to slight variations in bottom depth at individual stations.

Temperature (°C)		Depth (m)					
		1–9	10–19	20–28	29–38	39–55	1–55
<i>February</i>	min	14.3	13.8	13.1	12.1	11.2	11.2
	max	15.4	15.1	15.0	15.0	14.6	15.4
	mean	15.0	14.8	14.5	13.9	12.9	14.6
<i>May</i>	min	12.2	11.2	10.7	10.5	10.2	10.2
	max	18.9	15.6	12.3	11.5	10.8	18.9
	mean	16.5	12.6	11.3	10.8	10.6	13.5
<i>August</i>	min	14.1	13.1	12.4	11.7	11.2	11.2
	max	23.2	19.8	14.5	13.6	12.1	23.2
	mean	17.9	14.2	13.1	12.4	11.5	15.0
<i>November</i>	min	14.7	13.8	13.2	12.8	12.2	12.2
	max	18.2	17.8	16.3	14.7	14.2	18.2
	mean	16.6	15.3	14.4	14.0	13.1	15.3
<b>Annual</b>	min	12.2	11.2	10.7	10.5	10.2	10.2
	max	23.2	19.8	16.3	15.0	14.6	23.2
	mean	16.5	14.2	13.3	12.8	12.0	14.6

## Salinity (ppt)

<i>February</i>	min	32.72	33.21	33.30	33.32	33.33	32.72
	max	33.44	33.37	33.41	33.42	33.57	33.57
	mean	33.29	33.32	33.33	33.35	33.39	33.32
<i>May</i>	min	33.42	33.34	33.48	33.56	33.60	33.34
	max	33.96	33.70	33.68	33.66	33.74	33.96
	mean	33.52	33.54	33.59	33.63	33.65	33.56
<i>August</i>	min	33.29	33.21	33.34	33.37	33.42	33.21
	max	33.61	33.52	33.41	33.45	33.52	33.61
	mean	33.45	33.36	33.37	33.41	33.47	33.41
<i>November</i>	min	33.30	33.23	33.34	33.36	33.38	33.23
	max	33.72	33.46	33.41	33.43	33.50	33.72
	mean	33.41	33.37	33.37	33.38	33.43	33.39
<b>Annual</b>	min	32.72	33.21	33.30	33.32	33.33	32.72
	max	33.96	33.70	33.68	33.66	33.74	33.96
	mean	33.42	33.40	33.42	33.44	33.49	33.42

## Addendum 2-2 *continued*

DO (mg/L)		Depth (m)					
		1-9	10-19	20-28	29-38	39-55	1-55
<i>February</i>	min	6.5	6.8	6.2	5.4	4.7	4.7
	max	8.3	8.2	8.0	8.0	7.6	8.3
	mean	8.0	7.8	7.5	7.1	6.2	7.7
<i>May</i>	min	6.3	3.9	3.9	3.8	3.5	3.5
	max	11.8	12.0	6.7	5.0	4.4	12.0
	mean	9.0	7.3	4.8	4.2	4.0	7.0
<i>August</i>	min	7.3	6.3	5.9	5.6	4.7	4.7
	max	14.0	13.4	8.1	6.7	5.9	14.0
	mean	9.1	7.8	6.7	6.0	5.3	7.7
<i>November</i>	min	6.7	6.2	5.9	5.5	5.0	5.0
	max	8.1	8.1	7.9	7.5	7.0	8.1
	mean	7.6	7.3	7.0	6.7	5.9	7.2
<b>Annual</b>	min	6.3	3.9	3.9	3.8	3.5	3.5
	max	14.0	13.4	8.1	8.0	7.6	14.0
	mean	8.4	7.6	6.5	6.0	5.4	7.4

### pH

<i>February</i>	min	8.0	8.0	8.0	7.9	7.8	7.8
	max	8.2	8.2	8.1	8.1	8.1	8.2
	mean	8.1	8.1	8.1	8.0	8.0	8.1
<i>May</i>	min	7.9	7.7	7.7	7.7	7.7	7.7
	max	8.3	8.3	8.0	7.8	7.8	8.3
	mean	8.2	8.0	7.8	7.8	7.7	8.0
<i>August</i>	min	7.9	7.8	7.7	7.7	7.6	7.6
	max	8.4	8.3	8.0	7.9	7.8	8.4
	mean	8.1	8.0	7.9	7.8	7.7	8.0
<i>November</i>	min	8.0	8.0	8.0	7.9	7.9	7.9
	max	8.2	8.1	8.1	8.1	8.0	8.2
	mean	8.1	8.1	8.0	8.0	7.9	8.0
<b>Annual</b>	min	7.9	7.7	7.7	7.7	7.6	7.6
	max	8.4	8.3	8.1	8.1	8.1	8.4
	mean	8.1	8.0	7.9	7.9	7.8	8.0

## Addendum 2-2 *continued*

Transmissivity (%)		Depth (m)					
		1-9	10-19	20-28	29-38	39-55	1-55
<i>February</i>	min	14	42	78	81	67	14
	max	91	92	92	93	93	93
	mean	83	87	89	91	89	86
<i>May</i>	min	55	45	66	70	79	45
	max	87	85	90	92	92	92
	mean	78	74	79	84	88	78
<i>August</i>	min	60	53	77	86	91	53
	max	84	93	93	93	94	94
	mean	76	83	90	92	93	83
<i>November</i>	min	75	72	86	88	88	72
	max	89	89	90	90	90	90
	mean	85	87	89	89	90	87
<b>Annual</b>	min	14	42	66	70	67	14
	max	91	93	93	93	94	94
	mean	80	83	87	89	90	84

### Chlorophyll a ( $\mu\text{g/L}$ )

<i>February</i>	min	0.4	0.6	1.0	0.7	0.3	0.3
	max	3.8	3.8	2.5	2.0	1.6	3.8
	mean	1.2	1.4	1.6	1.3	0.9	1.3
<i>May</i>	min	0.3	0.7	0.8	0.5	0.3	0.3
	max	9.2	24.6	14.8	4.2	2.0	24.6
	mean	1.7	5.6	5.1	1.6	0.6	3.4
<i>August</i>	min	0.8	0.6	0.4	0.2	0.2	0.2
	max	13.7	15.0	4.7	1.3	0.6	15.0
	mean	3.0	3.0	1.1	0.6	0.4	2.3
<i>November</i>	min	0.7	1.0	0.7	0.6	0.4	0.4
	max	3.0	2.5	2.6	2.1	1.4	3.0
	mean	1.6	1.5	1.4	1.2	0.7	1.4
<b>Annual</b>	min	0.3	0.6	0.4	0.2	0.2	0.2
	max	13.7	24.6	14.8	4.2	2.0	24.6
	mean	1.9	2.9	2.3	1.2	0.7	2.1

**Addendum 3**  
**Water Quality Compliance and Plume Dispersion**  
**2017 Raw Data Tables**  
**PLOO and SBOO Stations**



### Addendum 3-1

Summary of elevated bacteria densities in samples collected from PLOO shore, kelp, and offshore stations during 2017. Bold values exceed benchmarks for total coliform (> 10,000 CFU/100 mL), fecal coliform (> 400 CFU/100 mL), *Enterococcus* (> 104 CFU/100 mL), and/or the FTR criterion (total coliforms > 1000 CFU/100 mL and F:T > 0.10).

Station Group	Date	Depth (m)	Total	Fecal	Entero	F:T
<i>Shore Stations</i>						
D11	11-Jan-17	—	240	66	<b>120</b>	0.28
D7	23-Jan-17	—	440	88	<b>300</b>	0.20
D11	23-Jan-17	—	8600	<b>1000</b>	<b>3400</b>	<b>0.12</b>
D5	28-Feb-17	—	1600	40	<b>120</b>	0.03
D7	28-Feb-17	—	<b>16,000</b>	<b>600</b>	<b>2000</b>	0.04
D8-A	28-Feb-17	—	<b>16,000</b>	<b>600</b>	<b>4000</b>	0.04
D9	28-Feb-17	—	<b>16,000</b>	<b>600</b>	<b>3000</b>	0.04
D10	28-Feb-17	—	<b>16,000</b>	<b>2000</b>	<b>6200</b>	<b>0.13</b>
D11	28-Feb-17	—	<b>16,000</b>	400	<b>3600</b>	0.03
D12	28-Feb-17	—	3000	40	<b>360</b>	0.01
D8-A <sup>a</sup>	1-Mar-17	—	4400	100	<b>780</b>	0.02
D9 <sup>a</sup>	1-Mar-17	—	5200	400	<b>2400</b>	0.08
D10 <sup>a</sup>	1-Mar-17	—	4000	120	<b>260</b>	0.03
D11 <sup>a</sup>	1-Mar-17	—	2200	—	<b>420</b>	—
D8-A <sup>a</sup>	2-Mar-17	—	—	—	<b>320</b>	—
D11	6-Mar-17	—	2000	60	<b>120</b>	0.03
D11	28-Jun-17	—	20	20	<b>130</b>	1.00
D9	27-Aug-17	—	4800	2	<b>2200</b>	0.00
D4	2-Sep-17	—	<b>16,000</b>	10	<b>12,000</b>	0.00
D12	4-Oct-17	—	3200	110	<b>240</b>	0.03
<i>Kelp Stations</i>						
A6	13-Jan-17	18	12	2	<b>110</b>	0.17
C8	13-Jan-17	18	10	6	<b>120</b>	0.60
<i>Offshore Stations</i>						
F30	3-Feb-17	80	—	—	<b>120</b>	—
F31	3-Feb-17	80	—	—	<b>110</b>	—
F30	22-May-17	60	—	—	<b>480</b>	—
F30	22-May-17	80	—	—	<b>420</b>	—
F18	23-May-17	60	—	—	<b>300</b>	—
F19	23-May-17	80	—	—	<b>320</b>	—

<sup>a</sup> Resample

**Addendum 3-1** *continued*

<b>Station Group</b>	<b>Date</b>	<b>Depth (m)</b>	<b>Total</b>	<b>Fecal</b>	<b>Entero</b>	<b>F:T</b>
F20	23-May-17	80	—	—	<b>320</b>	—
F21	23-May-17	80	—	—	<b>140</b>	—
F30	9-Aug-17	80	—	—	<b>600</b>	—
F30	9-Aug-17	98	—	—	<b>160</b>	—
F32	9-Aug-17	60	—	—	<b>300</b>	—
F32	9-Aug-17	80	—	—	<b>120</b>	—
F34	9-Aug-17	80	—	—	<b>220</b>	—
F35	9-Aug-17	60	—	—	<b>280</b>	—
F35	9-Aug-17	80	—	—	<b>110</b>	—
F36	9-Aug-17	25	—	—	<b>140</b>	—
F36	9-Aug-17	80	—	—	<b>220</b>	—
F28	3-Nov-17	80	—	—	<b>440</b>	—
F30	3-Nov-17	98	—	—	<b>120</b>	—



## Addendum 3-2

Summary of elevated bacteria densities in samples collected from SBOO shore, kelp, and offshore stations during 2017. Bold values exceed benchmarks for total coliform (> 10,000 CFU/100 mL), fecal coliform (> 400 CFU/100 mL), *Enterococcus* (> 104 CFU/100 mL), and/or the FTR criterion (total coliforms > 1000 CFU/100 mL and F:T > 0.10).

Station Group	Date	Depth (m)	Total	Fecal	Entero	F:T
<i>Shore Stations South of the USA/Mexico Border</i>						
S0	3-Jan-17	—	1100	50	<b>160</b>	0.05
S2	3-Jan-17	—	260	2	<b>110</b>	0.01
S3	17-Jan-17	—	<b>13,000</b>	<b>540</b>	<b>640</b>	0.04
S0	24-Jan-17	—	<b>16,000</b>	<b>3000</b>	<b>8800</b>	<b>0.19</b>
S2	24-Jan-17	—	<b>14,000</b>	<b>560</b>	<b>2000</b>	0.04
S3	24-Jan-17	—	<b>16,000</b>	<b>2000</b>	<b>4600</b>	<b>0.13</b>
S3	7-Feb-17	—	3400	160	<b>500</b>	0.05
S3	14-Feb-17	—	4000	<b>560</b>	<b>500</b>	<b>0.14</b>
S0	21-Feb-17	—	2000	72	<b>140</b>	0.04
S3	21-Feb-17	—	500	34	<b>140</b>	0.07
S0	28-Feb-17	—	2600	150	<b>1100</b>	0.06
S2	28-Feb-17	—	7000	94	<b>1200</b>	0.01
S3	28-Feb-17	—	<b>16,000</b>	200	<b>2600</b>	0.01
S0	7-Mar-17	—	4600	98	<b>400</b>	0.02
S0	21-Mar-17	—	620	48	<b>180</b>	0.08
S0	28-Mar-17	—	<b>16,000</b>	<b>620</b>	<b>1400</b>	0.04
S0	4-Apr-17	—	1500	78	<b>740</b>	0.05
S0	11-Apr-17	—	5200	220	<b>2400</b>	0.04
S0	18-Apr-17	—	900	100	<b>420</b>	0.11
S0	2-May-17	—	740	92	<b>280</b>	0.12
S0	9-May-17	—	<b>16,000</b>	<b>600</b>	<b>300</b>	0.04
S3	9-May-17	—	<b>16,000</b>	<b>1000</b>	<b>120</b>	0.06
S0	30-May-17	—	1700	380	<b>600</b>	<b>0.22</b>
S0	27-Jun-17	—	7200	<b>620</b>	<b>1400</b>	0.09
S0	25-Jul-17	—	<b>16,000</b>	<b>1100</b>	<b>5200</b>	0.07
S3	25-Jul-17	—	<b>16,000</b>	<b>1800</b>	<b>180</b>	<b>0.11</b>

## Addendum 3-2 *continued*

Station Group	Date	Depth (m)	Total	Fecal	Entero	F:T
S0	1-Aug-17	—	1200	40	<b>180</b>	0.03
S0	8-Aug-17	—	400	30	<b>140</b>	0.08
S0	15-Aug-17	—	7000	280	<b>2800</b>	0.04
S0	5-Sep-17	—	280	4	<b>110</b>	0.01
S0	19-Sep-17	—	1400	68	<b>480</b>	0.05
S0	3-Oct-17	—	540	40	<b>480</b>	0.07
S0	31-Oct-17	—	4000	72	<b>480</b>	0.02
S0	28-Nov-17	—	<b>16,000</b>	<b>4000</b>	<b>5200</b>	<b>0.25</b>
S0	4-Dec-17	—	<b>16,000</b>	<b>620</b>	<b>920</b>	0.04
S2	4-Dec-17	—	80	22	<b>120</b>	<b>0.28</b>
S0	26-Dec-17	—	920	26	<b>160</b>	0.03
<i>Shore Stations North of the USA/Mexico Border</i>						
S5 <sup>a</sup>	1-Jan-17	—	—	—	<b>600</b>	—
S5	3-Jan-17	—	9000	320	<b>260</b>	0.04
S8	3-Jan-17	—	460	6	<b>120</b>	0.01
S10	3-Jan-17	—	2000	46	<b>120</b>	0.02
S1 <sup>1</sup>	3-Jan-17	—	3000	80	<b>120</b>	0.03
S5 <sup>a</sup>	5-Jan-17	—	—	—	<b>12,000</b>	—
S10 <sup>a</sup>	5-Jan-17	—	—	—	<b>360</b>	—
S5 <sup>a</sup>	6-Jan-17	—	—	—	<b>12,000</b>	—
S10 <sup>a</sup>	6-Jan-17	—	—	—	<b>2400</b>	—
S5 <sup>a</sup>	8-Jan-17	—	—	—	<b>12,000</b>	—
S5	10-Jan-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S9	10-Jan-17	—	40	74	<b>110</b>	1.85
S11	10-Jan-17	—	2200	280	<b>110</b>	<b>0.13</b>
S11 <sup>a</sup>	12-Jan-17	—	<b>13,000</b>	<b>1600</b>	<b>740</b>	<b>0.12</b>
S5 <sup>a</sup>	12-Jan-17	—	<b>16,000</b>	<b>1000</b>	<b>920</b>	0.06
S5 <sup>a</sup>	13-Jan-17	—	<b>12,000</b>	<b>1200</b>	<b>1200</b>	0.10
S11 <sup>a</sup>	13-Jan-17	—	6600	<b>740</b>	<b>500</b>	<b>0.11</b>

<sup>a</sup>Resample

### Addendum 3-2 *continued*

Station Group	Date	Depth (m)	Total	Fecal	Entero	F:T
S5 <sup>a</sup>	15-Jan-17	—	<b>16,000</b>	<b>2200</b>	<b>640</b>	<b>0.14</b>
S11 <sup>a</sup>	15-Jan-17	—	<b>16,000</b>	<b>2000</b>	<b>1400</b>	<b>0.13</b>
S4	17-Jan-17	—	8000	<b>440</b>	<b>240</b>	0.06
S10	17-Jan-17	—	4000	340	<b>280</b>	0.09
S4 <sup>a</sup>	18-Jan-17	—	—	<b>1200</b>	<b>500</b>	—
S10 <sup>a</sup>	18-Jan-17	—	—	—	<b>2800</b>	—
S10 <sup>a</sup>	21-Jan-17	—	—	—	<b>12,000</b>	—
S4 <sup>a</sup>	21-Jan-17	—	—	<b>2400</b>	<b>12,000</b>	—
S4	24-Jan-17	—	<b>16,000</b>	<b>6000</b>	<b>4000</b>	<b>0.38</b>
S5	24-Jan-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S6	24-Jan-17	—	180	10	<b>120</b>	0.06
S8	24-Jan-17	—	1100	160	<b>320</b>	<b>0.15</b>
S9	24-Jan-17	—	620	72	<b>120</b>	0.12
S10	24-Jan-17	—	<b>16,000</b>	<b>6000</b>	<b>12,000</b>	<b>0.38</b>
S12	24-Jan-17	—	1600	84	<b>180</b>	0.05
S5 <sup>a</sup>	26-Jan-17	—	<b>16,000</b>	<b>11,000</b>	<b>11,000</b>	<b>0.69</b>
S10 <sup>a</sup>	26-Jan-17	—	6400	<b>700</b>	<b>440</b>	<b>0.11</b>
S5 <sup>a</sup>	27-Jan-17	—	<b>16,000</b>	<b>6600</b>	<b>12,000</b>	<b>0.41</b>
S10 <sup>a</sup>	27-Jan-17	—	3200	110	<b>560</b>	0.03
S5 <sup>a</sup>	29-Jan-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S10 <sup>a</sup>	29-Jan-17	—	—	—	<b>3000</b>	—
S5	31-Jan-17	—	6800	<b>780</b>	<b>1000</b>	<b>0.11</b>
S6	31-Jan-17	—	1200	100	<b>180</b>	0.08
S10	31-Jan-17	—	2400	<b>600</b>	<b>340</b>	<b>0.25</b>
S11	31-Jan-17	—	3800	400	<b>340</b>	<b>0.11</b>
S5 <sup>a</sup>	2-Feb-17	—	<b>16,000</b>	<b>4600</b>	<b>9200</b>	<b>0.29</b>
S6 <sup>a</sup>	2-Feb-17	—	—	—	<b>180</b>	—
S10 <sup>a</sup>	2-Feb-17	—	3200	<b>460</b>	<b>200</b>	<b>0.14</b>
S11 <sup>a</sup>	2-Feb-17	—	10,000	<b>1300</b>	<b>960</b>	<b>0.13</b>
S5 <sup>a</sup>	4-Feb-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S6 <sup>a</sup>	4-Feb-17	—	—	—	<b>320</b>	—
S11 <sup>a</sup>	4-Feb-17	—	<b>6000</b>	<b>2400</b>	<b>760</b>	<b>0.40</b>
S5 <sup>a</sup>	6-Feb-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S11 <sup>a</sup>	6-Feb-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>

<sup>a</sup>Resample

## Addendum 3-2 *continued*

Station Group	Date	Depth (m)	Total	Fecal	Entero	F:T
S4	7-Feb-17	—	1100	88	<b>260</b>	0.08
S5	7-Feb-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S8	7-Feb-17	—	560	140	<b>160</b>	0.25
S6	7-Feb-17	—	1200	140	96	<b>0.12</b>
S10	7-Feb-17	—	760	20	<b>160</b>	0.03
S11	7-Feb-17	—	1400	130	<b>240</b>	0.09
S12	7-Feb-17	—	6000	<b>560</b>	<b>520</b>	0.09
S5 <sup>a</sup>	9-Feb-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S10 <sup>a</sup>	9-Feb-17	—	—	—	<b>200</b>	—
S5 <sup>a</sup>	10-Feb-17	—	2600	<b>460</b>	<b>360</b>	<b>0.18</b>
S10 <sup>a</sup>	10-Feb-17	—	—	—	<b>280</b>	—
S5	14-Feb-17	—	880	120	<b>480</b>	0.14
S5 <sup>a</sup>	16-Feb-17	—	—	—	<b>2400</b>	—
S5 <sup>a</sup>	17-Feb-17	—	—	—	<b>12,000</b>	—
S5 <sup>a</sup>	19-Feb-17	—	—	—	<b>800</b>	—
S5	21-Feb-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S9	21-Feb-17	—	640	36	<b>320</b>	0.06
S5 <sup>a</sup>	23-Feb-17	—	<b>16,000</b>	<b>3000</b>	<b>600</b>	<b>0.19</b>
S5 <sup>a</sup>	25-Feb-17	—	<b>16,000</b>	<b>9800</b>	<b>5600</b>	<b>0.61</b>
S5 <sup>a</sup>	27-Feb-17	—	<b>16,000</b>	<b>12,000</b>	<b>12,000</b>	<b>0.75</b>
S4	28-Feb-17	—	<b>16,000</b>	400	<b>3400</b>	0.03
S5	28-Feb-17	—	<b>16,000</b>	<b>10,000</b>	<b>12,000</b>	<b>0.63</b>
S6	28-Feb-17	—	<b>16,000</b>	<b>6400</b>	<b>12,000</b>	<b>0.40</b>
S8	28-Feb-17	—	<b>16,000</b>	<b>5400</b>	<b>12,000</b>	<b>0.34</b>
S9	28-Feb-17	—	<b>16,000</b>	<b>3000</b>	<b>12,000</b>	<b>0.19</b>
S10	28-Feb-17	—	<b>16,000</b>	<b>3200</b>	<b>8400</b>	<b>0.20</b>
S11	28-Feb-17	—	<b>16,000</b>	<b>8800</b>	<b>12,000</b>	<b>0.55</b>
S12	28-Feb-17	—	<b>16,000</b>	<b>7800</b>	<b>12,000</b>	<b>0.49</b>
S5 <sup>a</sup>	2-Mar-17	—	500	80	<b>140</b>	0.16
S6 <sup>a</sup>	2-Mar-17	—	2800	130	<b>400</b>	0.05
S8 <sup>a</sup>	2-Mar-17	—	1800	50	<b>140</b>	0.03
S10 <sup>a</sup>	2-Mar-17	—	5000	80	<b>120</b>	0.02
S11 <sup>a</sup>	2-Mar-17	—	7600	180	<b>760</b>	0.02
S12 <sup>a</sup>	2-Mar-17	—	10,000	100	<b>1100</b>	0.01

<sup>a</sup>Resample

### Addendum 3-2 *continued*

Station Group	Date	Depth (m)	Total	Fecal	Entero	F:T
S5 <sup>a</sup>	3-Mar-17	—	—	—	<b>420</b>	—
S6 <sup>a</sup>	3-Mar-17	—	—	—	<b>920</b>	—
S12 <sup>a</sup>	3-Mar-17	—	—	—	<b>460</b>	—
S5 <sup>a</sup>	5-Mar-17	—	—	—	<b>12,000</b>	—
S6 <sup>a</sup>	5-Mar-17	—	—	—	<b>110</b>	—
S5	7-Mar-17	—	360	28	<b>180</b>	0.08
S6	7-Mar-17	—	1200	62	<b>800</b>	0.05
S10	7-Mar-17	—	1600	100	<b>260</b>	0.06
S11	7-Mar-17	—	1600	76	<b>840</b>	0.05
S12	7-Mar-17	—	840	36	<b>540</b>	0.04
S5 <sup>a</sup>	9-Mar-17	—	—	—	<b>400</b>	—
S11 <sup>a</sup>	9-Mar-17	—	—	—	<b>160</b>	—
S12 <sup>a</sup>	9-Mar-17	—	—	—	<b>120</b>	—
S5 <sup>a</sup>	10-Mar-17	—	—	—	<b>1100</b>	—
S11 <sup>a</sup>	10-Mar-17	—	—	—	<b>110</b>	—
S5	21-Mar-17	—	<b>16,000</b>	<b>12,000</b>	<b>11,000</b>	<b>0.75</b>
S5 <sup>a</sup>	23-Mar-17	—	40	20	<b>140</b>	0.50
S5	4-Apr-17	—	<b>16,000</b>	<b>14,000</b>	<b>12,000</b>	<b>0.88</b>
S10	4-Apr-17	—	480	28	<b>240</b>	0.06
S5 <sup>a</sup>	6-Apr-17	—	<b>16,000</b>	<b>4200</b>	<b>520</b>	0.26
S10 <sup>a</sup>	6-Apr-17	—	—	—	<b>240</b>	—
S4	9-May-17	—	<b>16,000</b>	<b>600</b>	<b>180</b>	0.04
S5	9-May-17	—	<b>16,000</b>	<b>5600</b>	<b>180</b>	<b>0.35</b>
S6	9-May-17	—	<b>16,000</b>	<b>3600</b>	<b>440</b>	<b>0.23</b>
S10	9-May-17	—	<b>16,000</b>	<b>1600</b>	<b>500</b>	0.10
S11	9-May-17	—	<b>16,000</b>	<b>1400</b>	<b>720</b>	0.09
S5	16-May-17	—	5200	180	<b>120</b>	0.03
S5	27-Jun-17	—	400	80	<b>160</b>	0.20
S4	5-Sep-17	—	200	20	<b>200</b>	0.10
S10	5-Sep-17	—	800	6	<b>120</b>	0.01
S10	17-Oct-17	—	60	40	<b>320</b>	0.67

<sup>a</sup>Resample

## Addendum 3-2 *continued*

Station Group	Date	Depth (m)	Total	Fecal	Entero	F:T
<i>Kelp Stations</i>						
I19	6-Jan-17	11	3000	24	<b>180</b>	0.01
I24	6-Jan-17	2	<b>16,000</b>	<b>640</b>	<b>620</b>	0.04
I25	6-Jan-17	2	<b>14,000</b>	280	<b>140</b>	0.02
I40	6-Jan-17	2	<b>16,000</b>	<b>3200</b>	<b>1000</b>	<b>0.20</b>
I40	6-Jan-17	6	<b>11,000</b>	<b>760</b>	<b>300</b>	0.07
I40	6-Jan-17	9	2600	100	<b>220</b>	0.04
I19	13-Jan-17	2	6600	300	<b>520</b>	0.05
I19	13-Jan-17	6	600	110	<b>180</b>	0.18
I19	13-Jan-17	11	2200	100	<b>240</b>	0.05
I24	13-Jan-17	2	5000	180	<b>440</b>	0.04
I24	13-Jan-17	6	5200	240	<b>360</b>	0.05
I24	13-Jan-17	11	1200	110	<b>160</b>	0.09
I25	13-Jan-17	2	7200	260	<b>360</b>	0.04
I25	13-Jan-17	6	1400	80	<b>120</b>	0.06
I25	13-Jan-17	9	1400	240	<b>520</b>	<b>0.17</b>
I26	13-Jan-17	2	1600	400	<b>140</b>	<b>0.25</b>
I26	13-Jan-17	6	1200	72	<b>160</b>	0.06
I26	13-Jan-17	9	800	86	<b>200</b>	0.11
I32	13-Jan-17	6	800	100	<b>120</b>	0.13
I39	13-Jan-17	2	5400	<b>600</b>	<b>700</b>	<b>0.11</b>
I40	13-Jan-17	2	<b>16,000</b>	<b>2000</b>	<b>15,000</b>	<b>0.13</b>
I40	13-Jan-17	6	<b>11,000</b>	<b>560</b>	<b>1000</b>	0.05
I40	13-Jan-17	9	<b>12,000</b>	160	<b>220</b>	0.01
I19	17-Jan-17	2	<b>12,000</b>	<b>540</b>	<b>160</b>	0.05
I19	17-Jan-17	6	5400	260	<b>320</b>	0.05
I24	17-Jan-17	6	3400	220	<b>220</b>	0.06
I24	17-Jan-17	11	1200	56	<b>120</b>	0.05
I40	17-Jan-17	9	900	74	<b>300</b>	0.08
I19	25-Jan-17	2	4000	<b>440</b>	<b>580</b>	<b>0.11</b>
I19	25-Jan-17	6	3800	300	<b>540</b>	0.08
I19	25-Jan-17	11	5600	<b>440</b>	<b>800</b>	0.08
I24	25-Jan-17	2	<b>16,000</b>	<b>3400</b>	<b>820</b>	<b>0.21</b>
I24	25-Jan-17	6	1400	220	<b>480</b>	<b>0.16</b>
I25	25-Jan-17	2	1200	220	<b>260</b>	<b>0.18</b>
I25	25-Jan-17	6	1300	220	<b>220</b>	<b>0.17</b>
I25	25-Jan-17	9	800	76	<b>400</b>	0.10
I26	25-Jan-17	6	700	50	<b>220</b>	0.07
I26	25-Jan-17	9	960	60	<b>240</b>	0.06
I32	25-Jan-17	6	580	36	<b>110</b>	0.06
I32	25-Jan-17	9	540	66	<b>220</b>	0.12
I39	25-Jan-17	2	<b>16,000</b>	<b>1200</b>	<b>1600</b>	0.08
I39	25-Jan-17	18	320	6	<b>160</b>	0.02

## Addendum 3-2 *continued*

Station Group	Date	Depth (m)	Total	Fecal	Entero	F:T
I40	25-Jan-17	2	<b>16,000</b>	<b>4400</b>	<b>4400</b>	<b>0.28</b>
I40	25-Jan-17	6	2000	320	<b>760</b>	<b>0.16</b>
I40	25-Jan-17	9	7800	<b>1300</b>	<b>2200</b>	<b>0.17</b>
I19	29-Jan-17	11	180	8	<b>160</b>	0.04
I24	29-Jan-17	2	1100	400	<b>140</b>	<b>0.36</b>
I24	29-Jan-17	6	3000	<b>700</b>	<b>280</b>	<b>0.23</b>
I24	29-Jan-17	11	100	52	<b>120</b>	0.52
I40	29-Jan-17	2	1800	180	<b>140</b>	0.10
I40	29-Jan-17	6	5400	<b>660</b>	<b>700</b>	<b>0.12</b>
I40	29-Jan-17	9	300	80	<b>180</b>	0.27
I24	4-Feb-17	2	<b>16,000</b>	<b>4400</b>	<b>2600</b>	<b>0.28</b>
I25	4-Feb-17	2	4800	240	<b>340</b>	0.05
I25	4-Feb-17	6	6400	220	<b>460</b>	0.03
I39	4-Feb-17	2	8800	<b>680</b>	<b>1600</b>	0.08
I40	4-Feb-17	2	<b>16,000</b>	<b>1400</b>	<b>9400</b>	0.09
I26	4-Feb-17	6	1800	280	94	<b>0.16</b>
I19	14-Feb-17	2	60	2	<b>120</b>	0.03
I24	14-Feb-17	2	<b>16,000</b>	120	<b>3600</b>	0.01
I24	14-Feb-17	6	<b>16,000</b>	120	<b>800</b>	0.01
I25	14-Feb-17	2	9000	120	<b>300</b>	0.01
I26	14-Feb-17	2	5200	14	<b>1000</b>	0.00
I39	14-Feb-17	2	600	50	<b>600</b>	0.08
I40	14-Feb-17	2	2000	100	<b>2400</b>	0.05
I40	14-Feb-17	6	1600	54	<b>680</b>	0.03
I40	14-Feb-17	9	340	76	<b>140</b>	0.22
I19	24-Feb-17	11	620	36	<b>120</b>	0.06
I32	24-Feb-17	9	880	46	<b>120</b>	0.05
I40	24-Feb-17	2	8600	<b>760</b>	<b>240</b>	0.09
I40	24-Feb-17	6	2600	200	<b>120</b>	0.08
I25	24-Feb-17	2	1200	140	6	<b>0.12</b>
I19	3-Mar-17	6	800	64	<b>150</b>	0.08
I19	3-Mar-17	11	1900	120	<b>540</b>	0.06
I24	3-Mar-17	6	1800	150	<b>840</b>	0.08
I24	3-Mar-17	11	2600	320	<b>140</b>	<b>0.12</b>
I25	3-Mar-17	2	620	52	<b>150</b>	0.08
I25	3-Mar-17	6	2000	60	<b>680</b>	0.03
I25	3-Mar-17	9	1600	180	<b>140</b>	<b>0.11</b>
I32	3-Mar-17	6	840	44	<b>110</b>	0.05
I32	3-Mar-17	9	1100	140	<b>520</b>	<b>0.13</b>
I40	3-Mar-17	9	1400	140	<b>260</b>	0.10

**Addendum 3-2** *continued*

<b>Station Group</b>	<b>Date</b>	<b>Depth (m)</b>	<b>Total</b>	<b>Fecal</b>	<b>Entero</b>	<b>F:T</b>
I19	9-Mar-17	11	120	14	<b>120</b>	0.12
I24	9-Mar-17	11	160	32	<b>300</b>	0.20
I26	9-Mar-17	9	100	16	<b>130</b>	0.16
I32	9-Mar-17	9	100	12	<b>140</b>	0.12
I40	9-Mar-17	9	120	8	<b>140</b>	0.07
I40	19-Apr-17	2	1200	<b>1200</b>	<b>260</b>	<b>1.00</b>
I19	26-Oct-17	2	<b>12,000</b>	320	<b>1400</b>	0.03
I19	26-Oct-17	6	<b>15,000</b>	<b>500</b>	<b>2600</b>	0.03
I19	26-Oct-17	11	5400	<b>980</b>	<b>1600</b>	<b>0.18</b>
<i>Offshore Stations</i>						
I5	7-Feb-17	6	1000	68	<b>110</b>	0.07
I5	7-Feb-17	11	600	78	<b>120</b>	0.13
I12	8-Feb-17	2	720	56	<b>140</b>	0.08
I16	8-Feb-17	2	700	74	<b>140</b>	0.11
I18	8-Feb-17	2	1200	120	<b>200</b>	0.10
I5	1-Aug-17	11	3600	80	<b>160</b>	0.02



**Addendum 4**  
**Sediment Quality**  
**2017 Raw Data Tables**  
**PLOO and SBOO Stations**



## Addendum 4-1

Summary of particle size parameters (%) for each PLOO station sampled during winter 2017. Visual observations are from sieved “grunge” (i.e., particles retained on 1-mm mesh screen and preserved with infauna for benthic community analysis). Gran=Granules; VCS=Very Coarse Sand; CS=Coarse Sand; MS=Medium Sand; FS=Fine Sand; VFS=Very Fine Sand; VFSi=Very Fine Silt; MSi=Medium Silt; FSi=Fine Silt; VFSi=Very Fine Silt.

	Coarse Particles			Med-Coarse Sands			Fine Sands			Fine Particles			Total	Visual Observations		
	Gran	VCS	Total	CS	MS	Total	FS	VFS	Total	CSI	MSi	FSi			VFSi	Clay
<i>88-m Stations</i>																
B11 <sup>s</sup>	1.9	2.4	4.2	3.9	8.3	12.2	13.0	27.6	40.6	43.0	—	—	—	—	43.0	pea gravel, cobble
B8	0.0	0.0	0.0	0.0	0.1	0.1	5.9	29.3	35.2	26.5	14.8	17.8	5.4	0.2	64.7	shell hash, worm tubes
E19	0.0	0.0	0.0	0.0	0.2	0.2	7.9	38.4	46.3	27.1	10.3	12.3	3.7	0.0	53.4	shell hash, worm tubes
E7	0.0	0.0	0.0	0.0	0.5	0.5	10.3	38.4	48.7	23.8	10.4	12.9	3.7	0.0	50.8	shell hash, worm tubes
E1	0.0	0.0	0.0	0.1	8.1	8.2	19.9	27.0	46.9	17.1	9.9	13.4	4.4	0.1	44.9	pea gravel, shell hash
<i>98-m Stations</i>																
B12 <sup>s</sup>	0.9	1.9	2.8	4.4	22.7	27.1	19.2	24.7	43.9	26.2	—	—	—	—	26.2	pea gravel, shell hash
B9	0.0	0.0	0.0	0.0	1.3	1.3	12.6	35.6	48.2	19.4	10.2	15.0	5.5	0.3	50.4	black sand, shell hash
E26	0.0	0.0	0.0	0.0	0.2	0.2	10.1	37.3	47.4	20.7	10.5	15.9	5.3	0.2	52.5	shell hash, worm tubes
E25 <sup>s</sup>	0.1	0.1	0.2	0.1	0.5	0.6	8.1	54.5	62.5	36.6	—	—	—	—	36.6	shell hash, worm tubes
E23	0.0	0.0	0.0	0.0	0.6	0.6	11.9	42.4	54.3	22.3	8.9	11.0	2.9	0.0	45.1	shell hash, worm tubes
E20	0.0	0.0	0.0	0.0	0.5	0.5	11.5	41.0	52.5	20.5	9.8	13.3	3.5	0.0	47.1	shell hash, worm tubes
E17 <sup>a</sup>	0.0	0.0	0.0	0.0	0.7	0.7	15.4	48.3	63.7	19.9	6.6	7.1	2.1	0.0	35.7	shell hash, worm tubes
E14 <sup>a</sup>	0.0	0.0	0.0	0.0	1.3	1.3	17.5	51.3	68.8	15.3	4.6	6.9	3.1	0.0	29.9	black sand, shell hash
E11 <sup>a</sup>	0.0	0.0	0.0	0.0	1.3	1.3	16.3	45.0	61.3	19.0	7.1	8.8	2.5	0.0	37.4	shell hash, worm tubes
E8	0.0	0.0	0.0	0.0	1.4	1.4	17.7	45.0	62.7	17.6	7.1	8.8	2.4	0.0	35.9	shell hash, worm tubes
E5	0.0	0.0	0.0	0.0	1.7	1.7	17.8	44.2	62.0	19.0	6.9	8.1	2.3	0.0	36.3	shell hash, worm tubes
E2	0.0	0.0	0.0	0.0	3.1	3.1	18.8	35.5	54.3	18.5	9.1	11.8	3.2	0.0	42.7	pea gravel, shell hash
<i>116-m Stations</i>																
B10 <sup>s</sup>	1.7	0.2	1.9	0.3	1.2	1.5	13.5	63.2	77.8	18.8	—	—	—	—	18.8	pea gravel, shell hash
E21	0.0	0.0	0.0	0.0	0.6	0.6	14.9	50.3	65.2	19.4	6.1	6.8	2.0	0.0	34.3	shell hash, worm tubes
E15 <sup>a</sup>	0.0	0.0	0.0	0.0	0.9	0.9	17.5	48.7	66.2	16.6	6.2	7.8	2.3	0.0	32.9	shell hash, worm tubes
E9 <sup>s</sup>	0.9	13.0	13.9	18.7	4.2	22.7	5.6	26.9	32.5	30.0	—	—	—	—	30.0	black sand, shell hash
E3 <sup>s</sup>	1.6	3.0	4.6	6.9	14.5	21.0	41.7	19.2	61.9	12.1	—	—	—	—	12.1	pea gravel, shell hash

<sup>a</sup>Near-ZID station; <sup>s</sup>measured by sieve (not Horiba; silt and clay fractions are indistinguishable)

## Addendum 4-1 *continued*

Summary of particle size parameters (%) for each PLOO station sampled during summer 2017. Visual observations are from sieved “grunge” (i.e., particles retained on 1-mm mesh screen and preserved with infaua for benthic community analysis). Gran = Granules; VCS = Very Coarse Sand; CS = Coarse Sand; MS = Medium Sand; FS = Fine Sand; VFS = Very Fine Sand; VFSi = Fine Silt; MSi = Medium Silt; FSi = Fine Silt; VFSi = Very Fine Silt.

	Coarse Particles			Med-Coarse Sands			Fine Sands			Fine Particles			Total Visual Observations			
	Gran	VCS	Total	CS	MS	Total	FS	VFS	Total	CSI	MSi	FSi		VFSi	Clay	
88-m Stations																
B11	0.0	0.0	0.0	0.0	2.9	2.9	17.6	28.8	46.4	16.9	11.1	17.3	5.3	0.1	50.7	pea gravel, shell hash, rock
B8	0.0	0.0	0.0	0.0	0.1	0.1	5.5	31.1	36.6	30.5	14.1	14.7	4.0	0.0	63.3	shell hash, worm tubes
E19	0.0	0.0	0.0	0.0	0.1	0.1	8.2	41.3	49.5	28.6	8.7	9.7	3.3	0.1	50.3	shell hash, worm tubes
E7	0.0	0.0	0.0	0.0	0.5	0.5	11.3	43.3	54.6	25.3	7.7	8.8	3.0	0.0	44.9	shell hash, worm tubes
E1	0.0	0.0	0.0	0.0	6.0	6.0	20.6	31.6	52.2	19.7	8.6	10.0	3.5	0.1	41.8	pea gravel, shell hash
98-m Stations																
B12 <sup>s</sup>	5.9	1.7	7.6	4.5	25.9	30.4	20.4	24.7	45.1	16.9	—	—	—	—	16.9	pea gravel, shell hash
B9	0.0	0.0	0.0	0.0	1.4	1.4	14.6	39.7	54.3	20.5	8.6	11.3	3.7	0.1	44.2	pea gravel
E26	0.0	0.0	0.0	0.0	0.2	0.2	11.0	43.5	54.5	24.0	7.9	9.7	3.5	0.1	45.2	shell hash, worm tubes
E25 <sup>s</sup>	0.2	0.3	0.6	0.4	0.3	0.7	4.4	56.1	60.5	38.3	—	—	—	—	38.3	shell hash, worm tubes
E23	0.0	0.0	0.0	0.0	0.6	0.6	13.0	46.6	59.6	22.4	6.5	8.1	3.0	0.1	40.0	shell hash, worm tubes
E20	0.0	0.0	0.0	0.0	0.2	0.2	12.4	47.6	60.0	22.6	6.3	7.8	3.0	0.1	39.8	shell hash, worm tubes
E17 <sup>as</sup>	0.1	0.2	0.3	0.2	0.2	0.4	1.6	64.2	65.8	33.6	—	—	—	—	33.6	shell hash, worm tubes
E14 <sup>as</sup>	1.2	6.4	7.6	3.2	0.6	3.7	1.3	66.1	67.4	21.3	—	—	—	—	21.3	black sand, shell hash
E11 <sup>a</sup>	0.0	0.0	0.0	0.0	1.5	1.5	17.9	47.5	65.4	18.3	5.0	6.9	2.8	0.1	33.1	pea gravel, shell hash
E8	0.0	0.0	0.0	0.0	1.5	1.5	17.3	43.7	61.0	19.2	6.5	8.4	3.4	0.1	37.6	shell hash, worm tubes
E5	0.0	0.0	0.0	0.0	1.7	1.7	19.3	45.6	64.9	18.0	5.5	7.1	2.7	0.1	33.4	shell hash, worm tubes
E2	0.6	1.7	2.3	4.0	6.3	10.3	13.2	37.4	50.6	36.8	—	—	—	—	36.8	pea gravel, shell hash
116-m Stations																
B10 <sup>s</sup>	0.9	0.3	1.3	0.3	1.0	1.3	7.2	64.4	71.6	25.9	—	—	—	—	25.9	shell hash
E21	0.0	0.0	0.0	0.0	0.6	0.6	15.2	49.3	64.5	18.9	5.6	7.6	2.8	0.0	34.9	
E15 <sup>a</sup>	0.0	0.0	0.0	0.0	1.4	1.4	18.1	50.1	68.2	16.4	4.2	6.4	3.4	0.2	30.5	black sand, shell hash
E9 <sup>s</sup>	0.7	13.7	14.3	17.8	3.6	21.5	5.0	29.9	34.9	29.3	—	—	—	—	29.3	black sand, shell hash
E3 <sup>s</sup>	0.6	2.5	3.0	7.2	15.9	23.1	40.9	18.4	59.3	14.5	—	—	—	—	14.5	pea gravel, shell hash

<sup>a</sup> Near-ZID station; <sup>s</sup> measured by sieve (not Horiba; silt and clay fractions are indistinguishable)

## Addendum 4-2

Summary of particle size parameters (%) for each SBOO station sampled during winter 2017. Visual observations are from sieved “grunge” (i.e., particles retained on 1-mm mesh screen and preserved with infaua for benthic community analysis). Gran=Granules; VCS=Very Coarse Sand; CS=Coarse Sand; MS=Medium Sand; FS=Fine Sand; VFS=Very Fine Sand; CSI=Coarse Silt; MSI=Medium Silt; FSI=Fine Silt; VFSi=Very Fine Silt.

	Coarse Particles				Med-Coarse Sands				Fine Sands				Fine Particles				Total Visual Observations		
	Gran	VCS	Total		CS	MS	Total		FS	VFS	Total		CSI	MSI	FSi	VFSi		Clay	Total
<i>19-m Stations</i>																			
I35	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	15.9	44.4	60.3	26.4	6.9	3.9	0.9	0.0	0.0	38.2	
I34 <sup>s</sup>	39.9	16.9	56.8	19.1	13.4	32.5	4.7	0.4	5.1	5.7	5.7	5.7	—	—	—	—	—	5.7	red relict sand, pea gravel, shell hash
I31	0.0	0.0	0.0	0.0	0.7	0.7	0.7	18.5	72.9	91.4	5.2	0.0	0.0	0.9	1.6	0.1	0.1	7.8	worm tubes
I23 <sup>s</sup>	0.1	0.3	0.3	0.9	3.9	4.8	12.4	77.6	90.0	4.9	—	—	—	—	—	—	4.9	shell hash	
I18	0.0	0.0	0.0	0.0	1.7	1.7	19.7	65.4	85.1	8.7	0.7	1.9	1.8	0.1	0.1	0.1	13.2		
I10	0.0	0.0	0.0	0.0	2.1	2.1	24.9	64.2	89.1	5.5	0.1	1.4	1.7	0.1	0.1	0.1	8.8	shell hash, worm tubes	
I4 <sup>s</sup>	0.2	0.6	0.8	41.7	45.3	87.0	5.8	1.3	7.0	5.1	5.1	—	—	—	—	—	5.1	pea gravel, shell hash	
<i>28-m Stations</i>																			
I33	0.0	0.0	0.0	0.0	3.3	3.3	36.5	49.7	86.2	3.8	1.0	3.1	2.5	0.1	0.1	0.1	10.5		
I30	0.0	0.0	0.0	0.0	0.6	0.6	13.4	67.1	80.5	14.0	1.1	2.0	1.7	0.1	0.1	0.1	18.9		
I27	0.0	0.0	0.0	0.0	0.7	0.7	13.9	69.7	83.6	12.6	0.3	1.2	1.5	0.1	0.1	0.1	15.7		
I22	0.0	0.0	0.0	0.0	6.0	6.0	28.1	50.0	78.1	10.0	1.3	2.5	1.9	0.1	0.1	0.1	15.8		
I14 <sup>a</sup>	0.0	0.0	0.0	0.0	1.0	1.0	14.4	64.7	79.1	14.7	1.3	2.2	1.7	0.0	0.0	0.0	19.9		
I16 <sup>as</sup>	0.1	0.1	0.1	0.5	18.8	19.3	56.2	19.7	75.9	4.8	—	—	—	—	—	—	4.8	shell hash, worm tubes	
I15 <sup>a</sup>	0.0	0.4	0.4	13.6	59.0	72.6	20.5	4.6	25.1	1.2	0.1	0.6	0.0	0.0	0.0	0.0	1.9		
I12 <sup>a</sup>	0.0	0.0	0.0	2.3	17.7	20.0	32.7	34.2	66.9	8.0	1.7	2.4	1.2	0.0	0.0	0.0	13.3	shell hash, worm tubes	
I9	0.0	0.0	0.0	0.0	0.8	0.8	14.5	60.5	75.0	16.5	2.7	3.6	1.5	0.0	0.0	0.0	24.2		
I6 <sup>s</sup>	0.0	2.2	2.2	33.0	55.8	88.8	8.3	0.7	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	shell hash
I2	0.0	0.4	0.4	12.7	55.6	68.3	26.2	2.4	28.6	0.7	0.8	1.0	0.1	0.0	0.0	0.0	2.7	worm tubes	
I3	0.0	0.1	0.1	11.2	60.8	72.0	26.5	1.5	28.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
<i>38-m Stations</i>																			
I29	4.4	46.0	50.4	32.3	4.2	36.5	3.4	5.1	8.4	2.3	0.9	1.2	0.3	0.0	0.0	0.0	4.7	red relict sand, shell hash	
I21	0.0	1.3	1.3	25.9	61.4	87.3	10.0	0.7	10.7	0.0	0.1	0.6	0.0	0.0	0.0	0.0	0.7		
I13	0.0	3.3	3.3	42.3	48.9	91.2	5.0	0.4	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	shell hash
I8	0.0	0.4	0.4	13.8	58.1	71.9	22.9	3.0	25.9	0.5	0.3	0.8	0.1	0.0	0.0	0.0	1.8	worm tubes	
<i>55-m Stations</i>																			
I28 <sup>s</sup>	4.1	10.9	15.0	24.1	13.2	37.3	3.9	29.5	33.4	14.3	—	—	—	—	—	—	14.3	black sand, shell hash	
I20	0.0	22.9	22.9	54.5	12.5	67.0	4.6	1.2	5.8	0.9	1.1	1.6	0.3	0.0	0.0	0.0	3.9	red relict sand, shell hash	
I7	0.0	12.9	12.9	44.0	32.3	76.3	7.3	1.6	8.9	0.2	0.3	0.8	0.1	0.0	0.0	0.0	1.5	red relict sand	
I1	0.0	0.0	0.0	0.1	7.6	7.6	46.4	35.0	81.4	3.9	1.6	3.5	1.9	0.0	0.0	0.0	11.0		

<sup>a</sup>Near-ZID station; <sup>s</sup>measured by sieve (not Horiba; silt and clay fractions are indistinguishable)

## Addendum 4-2 *continued*

Summary of particle size parameters (%) for each SBOO station sampled during summer 2017. Visual observations are from sieved “grunge” (i.e., particles retained on 1-mm mesh screen and preserved with infaua for benthic community analysis). Gran=Granules; VCS=Very Coarse Sand; CS=Coarse Sand; MS=Medium Sand; FS=Fine Sand; VFS=Very Fine Sand; VFS=Very Fine Sand; CSI=Coarse Silt; MSi=Medium Silt; FSi=Fine Silt; VFSi=Very Fine Silt.

	Coarse Particles			Med-Coarse Sands			Fine Sands			Fine Particles			Total Visual Observations		
	Gran	VCS	Total	CS	MS	Total	FS	VFS	Total	CSI	MSi	FSi		VFSi	Clay
19-m Stations	0.0	0.0	0.0	0.0	1.9	1.9	18.1	43.4	61.5	21.2	6.9	6.4	2.1	0.0	36.6
I35	0.0	0.0	0.0	0.0	1.9	1.9	18.1	43.4	61.5	21.2	6.9	6.4	2.1	0.0	36.6
I34 <sup>s</sup>	17.3	18.3	35.6	30.0	25.9	55.9	6.6	0.3	7.0	1.6	—	—	—	—	1.6
I31	0.0	0.0	0.0	0.0	0.6	0.6	19.0	72.5	91.5	4.5	0.0	1.1	2.2	0.3	8.0
I23 <sup>s</sup>	13.4	17.7	31.1	30.6	29.2	59.8	2.3	3.6	5.9	3.3	—	—	—	—	3.3
I18	0.0	0.0	0.0	0.0	0.5	0.5	17.8	72.8	90.6	5.9	0.0	0.9	1.9	0.2	8.9
I10	0.0	0.0	0.0	0.0	1.7	1.7	25.4	65.0	90.4	4.7	0.0	1.2	1.8	0.1	7.9
I4 <sup>s</sup>	0.8	1.4	2.1	43.2	42.5	85.7	5.0	3.3	8.3	3.9	—	—	—	—	3.9
28-m Stations	0.0	0.0	0.0	0.0	3.3	3.3	36.1	51.0	87.1	3.5	0.7	2.7	2.6	0.1	9.6
I33	0.0	0.0	0.0	0.0	3.3	3.3	36.1	51.0	87.1	3.5	0.7	2.7	2.6	0.1	9.6
I30	0.0	0.0	0.0	0.0	0.6	0.6	13.8	66.4	80.2	13.5	1.0	2.2	2.3	0.2	19.2
I27	0.0	0.0	0.0	0.0	0.6	0.6	13.4	69.9	83.3	11.8	0.4	1.5	2.1	0.3	16.1
I22	0.0	0.0	0.0	0.0	2.7	2.7	25.3	57.2	82.5	9.0	0.9	2.3	2.4	0.1	14.7
I14 <sup>a</sup>	0.0	0.0	0.0	0.0	1.4	1.4	16.8	64.8	81.6	11.3	0.7	2.1	2.7	0.3	17.0
I16 <sup>as</sup>	0.0	0.0	0.1	1.6	51.5	53.1	43.2	3.0	46.2	0.6	—	—	—	—	0.6
I15 <sup>a</sup>	0.0	0.4	0.4	11.7	53.3	65.0	27.0	5.6	32.6	1.2	0.1	0.7	0.1	0.0	2.0
I12 <sup>a</sup>	0.0	0.0	0.0	4.1	37.1	41.2	40.3	15.0	55.3	1.8	0.4	0.9	0.3	0.0	3.4
I9	0.0	0.0	0.0	0.0	1.5	1.5	16.1	62.1	78.2	14.2	1.1	2.5	2.5	0.2	20.4
I6 <sup>s</sup>	0.1	0.3	0.3	20.4	67.1	87.5	10.5	0.4	10.9	1.3	—	—	—	—	1.3
I2	0.0	0.0	0.0	5.4	48.9	54.3	39.1	3.6	42.7	0.4	0.9	1.4	0.5	0.0	3.1
I3	0.0	0.0	0.0	7.9	57.0	64.9	32.3	2.0	34.3	0.0	0.1	0.6	0.0	0.0	0.7
38-m Stations	0.0	0.0	0.0	0.0	3.0	3.0	21.1	49.2	70.3	17.9	2.5	3.4	2.7	0.2	26.8
I29	0.0	0.0	0.0	0.0	3.0	3.0	21.1	49.2	70.3	17.9	2.5	3.4	2.7	0.2	26.8
I21	0.0	0.5	0.5	17.1	58.5	75.6	18.4	2.9	21.3	0.4	0.4	1.3	0.5	0.0	2.5
I13	0.0	1.0	1.0	19.2	54.7	73.9	17.9	2.7	20.6	0.7	0.9	2.1	0.9	0.0	4.6
I8	0.0	1.2	1.2	20.5	51.7	72.2	18.9	3.0	21.9	0.8	1.1	2.1	0.6	0.0	4.7
55-m Stations	7.4	13.0	20.4	24.3	15.5	39.8	3.9	18.8	22.7	17.1	—	—	—	—	17.1
I28 <sup>s</sup>	7.4	13.0	20.4	24.3	15.5	39.8	3.9	18.8	22.7	17.1	—	—	—	—	17.1
I20	0.0	15.6	15.6	47.9	26.0	73.9	4.1	0.7	4.8	0.2	1.3	2.8	1.0	0.0	5.2
I7	0.0	8.8	8.8	42.6	36.3	78.9	8.1	1.9	9.9	0.3	0.4	1.2	0.5	0.0	2.4
I1	0.0	0.0	0.0	0.0	5.4	5.4	49.5	37.1	86.6	3.2	0.9	2.3	1.6	0.0	8.0

<sup>a</sup>Near-ZID station; <sup>s</sup> measured by sieve (not Horiba; silt and clay fractions are indistinguishable)

## Addendum 4-3

Concentrations of organic loading indicators detected in sediments from PLOO stations sampled during winter and summer 2017. See Appendix E.1 for MDLs; nr=not reportable.

	Winter					Summer				
	BOD (ppm)	Sulfides (ppm)	TN (% wt)	TOC (% wt)	TVS (% wt)	BOD (ppm)	Sulfides (ppm)	TN (% wt)	TOC (% wt)	TVS (% wt)
<i>88-m Stations</i>										
B11	484	12.70	0.083	0.84	3.9	482	6.99	0.084	0.76	3.7
B8	531	5.45	0.078	0.70	2.6	311	3.71	0.074	0.68	2.9
E19	379	2.97	0.058	0.50	2.1	264	3.98	0.051	0.45	2.1
E7	462	20.30	0.057	0.51	2.0	598	5.03	0.048	0.43	1.9
E1	nr	8.14	0.052	0.48	1.9	283	3.28	0.055	0.47	1.7
<i>98-m Stations</i>										
B12	434	5.70	0.054	0.67	3.0	323	3.66	0.058	1.23	2.7
B9	240	2.84	0.063	0.56	2.4	279	3.95	0.061	0.53	2.4
E26	358	8.04	0.054	0.49	2.2	264	13.30	0.060	0.52	1.9
E25	312	3.96	0.043	0.37	1.9	249	6.67	0.048	0.40	2.0
E23	306	3.03	0.044	0.32	1.8	274	3.22	0.049	0.42	2.0
E20	281	13.40	0.042	0.36	1.7	247	5.06	0.041	0.35	1.7
E17 <sup>a</sup>	368	18.00	0.042	0.29	1.4	281	4.55	0.039	0.34	1.5
E14 <sup>a</sup>	550	24.30	0.038	0.31	1.5	298	24.70	0.042	0.34	1.2
E11 <sup>a</sup>	468	10.90	0.043	0.35	1.7	256	14.20	0.045	0.37	1.9
E8	316	9.41	0.044	0.35	1.8	249	2.66	0.041	0.35	1.7
E5	320	3.00	0.050	0.37	1.7	186	3.38	0.045	0.37	1.6
E2	367	5.41	0.055	0.49	2.5	264	2.87	0.049	0.42	1.8
<i>116-m Stations</i>										
B10	372	2.68	0.040	0.34	2.2	322	2.11	0.051	0.44	2.1
E21	305	10.10	0.042	0.34	1.4	265	6.36	0.042	0.36	1.6
E15 <sup>a</sup>	325	4.70	0.042	0.29	0.2	267	1.67	0.043	0.33	1.5
E9	289	4.13	0.057	0.51	1.9	207	3.96	0.050	0.44	1.7
E3	288	3.94	0.049	0.39	1.3	164	2.68	0.034	0.28	1.0
Detection Rate (%)	100	100	100	100	100	100	100	100	100	100

<sup>a</sup>Near-ZID station

## Addendum 4-4

Concentrations of organic indicators detected in sediments from SBOO stations sampled during winter and summer 2017. See Appendix E.1 for MDLs; nd=not detected.

	Winter				Summer			
	Sulfides (ppm)	TN (% wt)	TOC (% wt)	TVS (% wt)	Sulfides (ppm)	TN (% wt)	TOC (% wt)	TVS (% wt)
<i>19-m Stations</i>								
I35	3.98	0.026	0.18	1.0	4.61	0.033	0.25	1.1
I34	0.78	0.022	0.20	0.9	0.76	0.020	0.06	0.4
I31	1.61	0.019	0.11	0.6	1.00	0.020	0.13	0.7
I23	1.54	0.021	0.12	0.9	2.38	0.032	0.85	1.0
I18	2.15	0.018	0.10	0.7	1.69	0.016	0.11	0.7
I10	1.47	0.021	0.12	0.8	1.47	0.020	0.11	0.8
I4	0.21	nd	nd	0.4	0.36	0.028	0.17	0.4
<i>28-m Stations</i>								
I33	3.18	0.025	0.16	2.8	3.45	0.029	0.19	0.9
I30	2.64	0.024	0.16	1.0	3.80	0.026	0.19	0.8
I27	1.65	0.023	0.15	0.8	2.17	0.019	0.13	1.0
I22	1.46	0.026	0.18	0.9	3.30	0.022	0.15	0.9
I14 <sup>a</sup>	2.07	0.025	0.18	0.9	1.93	0.019	0.14	1.0
I16 <sup>a</sup>	0.68	0.019	0.10	0.6	0.76	0.016	0.09	0.5
I15 <sup>a</sup>	0.30	0.017	0.09	0.4	0.67	0.015	0.08	0.5
I12 <sup>a</sup>	2.06	0.024	0.16	0.9	0.67	nd	nd	0.4
I9	2.01	0.027	0.18	1.1	4.07	0.027	0.22	1.2
I6	0.18	nd	nd	0.4	0.14	0.013	0.07	0.5
I2	0.40	nd	0.07	0.4	0.27	0.021	0.09	0.5
I3	0.33	nd	nd	0.4	0.21	nd	nd	0.4
<i>38-m Stations</i>								
I29	0.66	0.030	0.23	0.6	2.56	0.031	0.25	1.2
I21	0.19	0.020	0.09	0.5	0.23	nd	nd	0.4
I13	nd	nd	0.07	0.3	0.56	0.055	0.31	0.6
I8	0.62	0.023	0.13	0.5	0.27	0.017	0.11	0.4
<i>55-m Stations</i>								
I28	3.67	0.054	0.47	1.3	3.95	0.056	0.50	1.2
I20	0.30	0.032	0.23	0.6	0.27	0.019	0.08	0.3
I7	0.18	0.025	0.13	0.5	nd	0.013	nd	0.4
I1	0.55	0.031	0.14	0.9	0.68	0.021	0.14	0.9
Detection Rate (%)	96	81	89	100	96	89	85	100

<sup>a</sup>Near-ZID station



## Addendum 4-5

Concentrations of trace metals (ppm) detected in sediments from PLOO stations sampled during winter 2017. See Appendix E.1 for MDLs; nd=not detected; na=not available.

	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	Zn	
<i>88-m Stations</i>																			
B11	9110	1.8	2.39	41.5	nd	nd	28.2	6.3	20,300	4.6	113.0	0.027	7.6	0.21	nd	nd	0.9	41.4	
B8	9330	1.4	1.70	47.8	nd	nd	24.7	8.2	14,200	5.2	113.0	nd	8.1	0.41	nd	nd	1.0	35.2	
E19	8390	1.2	1.93	43.1	nd	nd	20.6	6.2	12,000	4.2	101.0	0.029	6.6	0.29	nd	nd	0.7	29.5	
E7	7470	1.1	1.43	39.2	nd	nd	18.6	6.4	10,800	4.1	89.8	0.031	6.2	0.30	nd	nd	0.7	27.3	
E1	8770	1.3	1.72	47.2	nd	nd	19.8	14.2	11,900	8.8	93.1	0.093	5.5	nd	nd	nd	1.1	38.7	
<i>98-m Stations</i>																			
B12	3470	0.8	1.79	12.4	nd	nd	14.1	0.9	12,300	1.9	31.6	0.016	2.5	0.37	nd	nd	nd	19.5	
B9	7740	1.4	1.59	41.2	nd	nd	24.6	5.1	15,500	4.0	94.9	0.024	6.5	0.21	nd	nd	0.6	33.9	
E26	7120	1.0	1.62	32.8	nd	nd	17.1	4.6	10,300	3.5	85.4	0.020	5.9	nd	nd	nd	0.7	25.1	
E25	6110	1.0	1.78	27.3	nd	nd	15.1	3.6	9390	3.2	74.1	0.015	4.9	0.21	nd	nd	0.5	22.3	
E23	6560	0.9	1.73	30.9	nd	nd	16.2	4.3	9860	3.3	78.7	0.020	5.3	0.27	nd	nd	0.5	23.7	
E20	6500	1.0	1.56	30.3	nd	nd	16.1	4.6	9650	3.4	78.5	0.020	5.5	nd	nd	nd	0.5	23.7	
E17 <sup>a</sup>	5520	0.8	1.56	24.8	nd	nd	14.1	3.7	8450	2.7	67.1	0.017	4.7	nd	nd	nd	0.4	20.7	
E14 <sup>a</sup>	4760	0.4	1.65	20.4	nd	nd	12.9	4.6	7690	2.5	59.2	0.016	4.5	0.25	nd	nd	0.5	20.6	
E11 <sup>a</sup>	5560	nd	1.18	25.0	nd	nd	14.4	4.0	8760	2.6	66.1	0.014	4.5	0.41	nd	nd	nd	21.6	
E8	5800	1.0	1.67	25.8	nd	nd	14.6	4.1	9120	2.9	69.7	0.016	4.6	nd	nd	nd	0.4	21.7	
E5	5950	1.3	1.88	28.6	nd	nd	15.3	4.4	9690	3.1	72.2	0.021	4.7	0.27	nd	nd	0.5	23.1	
E2	10,000	1.6	1.61	53.2	nd	nd	23.7	9.4	14,200	5.0	117.0	0.037	6.5	nd	nd	nd	0.9	37.6	
<i>116-m Stations</i>																			
B10	5140	1.1	1.72	20.6	nd	nd	17.1	2.7	11,000	2.7	61.1	0.013	3.9	nd	nd	nd	nd	23.6	
E21	5390	0.9	1.70	23.6	nd	nd	13.6	3.3	8210	2.8	64.3	0.013	4.5	nd	nd	nd	nd	19.5	
E15 <sup>a</sup>	5350	0.9	1.48	21.1	nd	nd	14.2	4.1	8450	2.9	62.1	0.017	4.5	nd	nd	nd	0.5	20.7	
E9	7020	1.4	2.20	31.4	nd	nd	22.0	6.6	13,600	3.7	75.3	0.026	5.8	0.19	nd	nd	0.7	32.4	
E3	7530	1.2	0.76	44.5	nd	nd	16.1	10.1	11,100	5.0	94.8	0.036	4.0	nd	nd	nd	0.6	34.9	
Detection Rate (%)	100	95	100	100	0	0	100	100	100	100	100	95	100	55	0	0	82	100	
ERL <sup>b</sup>	na	na	8.2	na	na	1.2	81	34	na	46.7	na	0.15	20.9	na	1.0	na	na	150	
ERM <sup>b</sup>	na	na	70.0	na	na	9.6	370	270	na	218	na	0.71	51.6	na	3.7	na	na	410	

<sup>a</sup>Near-ZID station

<sup>b</sup>From Long et al. 1995

### Addendum 4-5 *continued*

Concentrations of trace metals (ppm) detected in sediments from PLOO stations sampled during summer 2017. See Appendix E.1 for MDLs; nd = not detected; na = not available.

	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	Zn	
<i>88-m Stations</i>																			
B11	9140	1.6	2.80	36.8	nd	nd	33.3	7.0	20,900	4.3	118.0	0.028	6.5	nd	nd	nd	0.8	41.9	
B8	10,800	1.4	2.42	50.2	nd	nd	34.1	11.5	14,800	4.8	120.0	0.033	8.4	0.25	nd	nd	1.0	36.4	
E19	9000	1.1	1.70	40.7	nd	nd	23.6	7.1	11,700	3.1	102.0	0.027	6.4	nd	nd	nd	0.6	28.0	
E7	8110	0.9	1.77	37.6	nd	nd	21.0	7.1	10,600	3.4	93.0	0.024	5.7	nd	nd	nd	0.7	26.0	
E1	7830	1.1	1.91	37.5	nd	nd	21.2	8.9	11,000	4.9	86.8	0.036	5.2	nd	nd	nd	0.8	25.8	
<i>98-m Stations</i>																			
B12	6480	1.7	3.02	20.1	nd	nd	28.0	2.2	21,200	2.9	58.3	0.016	4.6	nd	nd	nd	0.5	38.9	
B9	7930	1.1	1.64	51.5	nd	nd	28.1	6.0	14,700	3.7	94.6	0.026	5.9	0.11	nd	nd	0.7	32.6	
E26	6980	0.8	1.94	30.3	nd	nd	19.9	6.0	9930	3.2	82.5	0.022	5.4	nd	nd	nd	0.6	23.5	
E25	6770	0.4	1.66	29.4	nd	nd	17.4	4.5	9650	3.0	75.5	0.018	4.8	nd	nd	nd	0.6	22.9	
E23	6500	0.4	1.72	29.2	nd	nd	18.2	5.2	9310	3.0	76.6	0.019	4.9	nd	nd	nd	0.5	22.1	
E20	6640	0.9	1.88	27.3	nd	nd	16.7	4.6	9010	2.8	76.9	0.018	4.8	nd	nd	nd	0.5	21.8	
E17 <sup>a</sup>	6330	0.9	1.46	25.4	nd	nd	16.2	4.6	8530	2.6	75.1	0.019	4.7	nd	nd	nd	0.5	20.6	
E14 <sup>a</sup>	5310	0.8	1.88	20.9	nd	nd	13.9	4.7	7730	2.1	73.0	0.018	4.4	nd	nd	nd	0.5	19.9	
E11 <sup>a</sup>	7030	0.9	1.61	28.1	nd	nd	17.2	5.5	9450	2.6	80.1	0.017	4.6	nd	nd	nd	0.6	23.1	
E8	6420	0.8	1.84	24.9	nd	nd	16.3	4.3	9010	2.4	76.0	0.015	4.3	nd	nd	nd	0.5	21.2	
E5	5880	0.9	2.11	26.9	nd	nd	15.8	4.6	8820	2.7	66.5	0.016	4.3	nd	nd	nd	0.5	20.0	
E2	8450	1.1	1.69	44.9	nd	nd	24.5	10.0	12,200	3.7	98.7	0.035	5.4	0.15	nd	nd	0.7	28.8	
<i>116-m Stations</i>																			
B10	5750	0.4	1.67	21.2	nd	nd	18.3	2.9	11,200	2.6	61.9	0.017	3.7	nd	nd	nd	0.5	24.5	
E21	6120	0.4	1.46	24.2	nd	nd	15.8	4.4	8410	2.6	71.8	0.018	4.5	nd	nd	nd	0.5	20.3	
E15 <sup>a</sup>	5580	0.8	1.37	20.1	nd	nd	14.7	3.8	8040	2.4	63.2	0.018	3.9	nd	nd	nd	0.4	19.3	
E9	6690	1.2	2.29	26.3	nd	nd	20.5	7.5	12,300	5.2	73.4	0.017	4.3	nd	nd	nd	0.6	33.6	
E3	6340	1.0	1.08	40.9	nd	nd	17.2	10.0	9510	4.5	79.3	0.029	3.4	0.20	nd	nd	0.6	27.4	
Detection Rate (%)	100	100	100	100	0	0	100	100	100	100	100	100	100	18	0	0	100	100	
ERL <sup>b</sup>	na	na	8.2	na	na	1.2	81	34	na	46.7	na	0.15	20.9	na	1.0	na	na	150	
ERM <sup>b</sup>	na	na	70.0	na	na	9.6	370	270	na	218	na	0.71	51.6	na	3.7	na	na	410	

<sup>a</sup> Near-ZID station

<sup>b</sup> From Long et al. 1995

## Addendum 4-6

Concentrations of trace metals (ppm) detected in sediments from SBOO stations sampled during winter 2017. See Appendix E.1 for MDLs; nd=not detected; na=not available.

	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	Zn	
<i>19-m Stations</i>																			
I35	6410	0.9	1.37	33.6	nd	nd	14.2	4.3	7940	2.6	93.5	0.011	3.2	nd	nd	nd	0.5	21.8	
I34	1320	nd	2.76	5.6	nd	nd	3.1	nd	3280	1.8	27.4	nd	0.7	nd	nd	nd	nd	5.5	
I31	3200	nd	0.87	14.7	nd	nd	8.2	0.9	3700	1.3	54.2	nd	1.3	nd	nd	nd	nd	8.3	
I23	4230	nd	1.33	30.4	nd	nd	10.9	1.4	5470	1.9	69.5	nd	1.9	nd	nd	nd	nd	11.7	
I18	4680	0.8	0.97	38.4	nd	nd	15.9	1.4	7290	1.8	87.4	nd	2.3	nd	nd	nd	nd	13.2	
I10	4990	nd	1.24	29.5	nd	nd	12.6	2.0	6400	1.6	73.5	nd	2.4	nd	nd	nd	nd	14.4	
I4	645	nd	1.48	1.9	nd	0.28	3.9	nd	1550	1.0	11.7	nd	0.5	nd	nd	nd	nd	5.6	
<i>28-m Stations</i>																			
I33	4220	nd	0.79	23.4	nd	nd	9.4	2.3	5880	2.9	72.4	0.013	2.1	nd	nd	nd	nd	15.2	
I30	5600	0.9	1.15	27.1	nd	nd	12.3	2.2	5990	1.8	62.2	0.004	2.7	nd	nd	nd	nd	15.3	
I27	5230	0.8	1.15	23.9	nd	nd	11.1	2.0	5700	1.5	62.8	0.004	2.5	nd	nd	nd	nd	14.1	
I22	5150	nd	0.90	29.8	nd	nd	12.4	2.1	6000	1.8	70.0	nd	3.0	nd	nd	nd	nd	14.2	
I14 <sup>a</sup>	6430	0.9	1.14	34.3	nd	nd	14.1	2.5	7270	1.6	79.9	0.004	3.3	nd	nd	nd	nd	17.7	
I16 <sup>a</sup>	3080	0.9	0.56	14.3	nd	nd	13.7	nd	5590	1.4	123.0	nd	1.4	nd	nd	nd	nd	11.8	
I15 <sup>a</sup>	1940	nd	2.03	5.8	nd	nd	9.2	nd	4150	1.6	22.9	nd	0.9	nd	nd	nd	nd	8.3	
I12 <sup>a</sup>	5260	nd	1.03	31.7	nd	nd	12.1	2.0	6640	1.4	72.3	nd	2.6	nd	nd	nd	nd	16.8	
I9	6670	0.8	1.25	36.1	nd	nd	14.1	3.3	7570	1.4	78.0	nd	3.7	nd	nd	nd	nd	20.0	
I6	854	nd	4.52	1.8	nd	nd	8.0	nd	3590	1.5	9.4	nd	0.4	nd	nd	nd	nd	4.2	
I2	1150	nd	0.92	3.0	nd	nd	5.9	nd	1410	0.9	10.5	nd	0.8	nd	nd	nd	nd	3.4	
I3	934	nd	1.61	1.6	nd	0.13	7.0	1.5	1290	0.8	7.4	nd	0.6	nd	nd	nd	nd	5.7	
<i>38-m Stations</i>																			
I29	1370	nd	2.80	4.3	nd	nd	6.1	nd	5150	1.7	19.9	0.004	0.7	nd	nd	nd	nd	6.1	
I21	1260	nd	6.31	2.3	nd	nd	13.2	nd	7640	2.9	13.8	nd	0.4	nd	nd	nd	nd	7.0	
I13	1070	nd	6.27	2.6	nd	nd	10.9	nd	5930	2.3	15.7	nd	0.5	nd	nd	nd	nd	5.4	
I8	1720	nd	1.82	4.2	nd	nd	9.8	nd	3880	1.2	20.9	nd	1.0	nd	nd	nd	nd	7.9	
<i>55-m Stations</i>																			
I28	5000	0.5	1.46	22.4	nd	nd	10.8	3.3	6900	2.4	58.2	0.013	4.2	nd	nd	nd	0.5	15.9	
I20	1350	nd	2.22	3.4	nd	nd	5.3	nd	4420	1.5	19.9	nd	0.7	nd	nd	nd	nd	6.4	
I7	1090	nd	7.00	2.4	nd	nd	9.6	nd	7140	2.5	18.4	nd	0.5	nd	nd	nd	nd	6.7	
I1	2440	nd	0.67	8.4	nd	nd	7.6	0.8	3640	1.5	45.0	0.004	2.2	nd	nd	nd	nd	7.8	
Detection Rate (%)	100	30	100	100	0	7	100	56	100	100	100	30	100	0	0	0	7	100	
ERL <sup>b</sup>	na	na	8.2	na	na	1.2	81	34	na	46.7	na	na	20.9	na	1.0	na	na	150	
ERM <sup>b</sup>	na	na	70.0	na	na	9.6	370	270	na	218	na	na	51.6	na	3.7	na	na	410	

<sup>a</sup>Near-ZID station

<sup>b</sup>From Long et al. 1995

### Addendum 4-6 *continued*

Concentrations of trace metals (ppm) detected in sediments from SBOO stations sampled during summer 2017. See Appendix E.1 for MDLs; nd=not detected; na=not available.

	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	Zn
<i>19-m Stations</i>																		
I35	6940	0.9	1.82	38.1	nd	nd	18.5	4.7	8730	2.9	89.6	0.013	3.9	nd	nd	nd	0.5	22.8
I34	1150	nd	3.47	5.4	nd	nd	2.8	0.8	3340	1.3	27.3	0.004	0.6	nd	nd	nd	nd	6.1
I31	1390	nd	1.82	2.9	nd	nd	5.1	0.7	3070	1.1	17.2	nd	0.5	nd	nd	nd	nd	5.6
I23	5600	nd	0.99	27.6	nd	nd	12.7	2.2	5920	1.4	63.9	nd	2.5	nd	nd	nd	nd	14.3
I18	4550	nd	0.97	36.6	nd	nd	15.7	1.7	6460	1.5	68.4	nd	2.2	nd	nd	nd	nd	10.7
I10	4960	nd	1.04	25.5	nd	nd	12.9	2.1	5990	1.4	63.5	nd	2.4	nd	nd	nd	nd	11.6
I4	1380	nd	1.23	5.9	nd	nd	5.1	0.7	2260	1.2	21.6	nd	1.3	nd	nd	nd	nd	4.5
<i>28-m Stations</i>																		
I33	4020	nd	1.16	18.6	nd	nd	9.7	2.2	5920	2.6	66.7	0.015	1.8	nd	nd	nd	0.5	14.4
I30	5810	nd	1.18	28.9	nd	nd	13.8	2.7	6190	1.6	62.3	0.004	2.8	nd	nd	nd	nd	15.6
I27	1450	nd	2.55	7.3	nd	nd	4.5	0.7	3240	1.6	27.4	nd	0.6	nd	nd	nd	nd	6.6
I22	1450	nd	1.80	3.9	nd	nd	7.8	0.7	3600	1.0	18.3	0.004	0.7	nd	nd	nd	nd	6.2
I14 <sup>a</sup>	6230	nd	0.83	33.4	nd	nd	15.2	3.2	6850	1.5	71.6	0.005	3.1	nd	nd	nd	nd	15.0
I16 <sup>a</sup>	2400	nd	1.15	9.0	nd	nd	7.8	0.4	3930	1.3	32.6	0.004	1.2	nd	nd	nd	nd	7.6
I15 <sup>a</sup>	2220	nd	1.61	7.8	nd	nd	10.3	nd	4410	1.6	28.5	nd	1.1	nd	nd	nd	1.3	7.0
I12 <sup>a</sup>	2410	nd	1.16	11.1	nd	nd	7.8	nd	3800	1.2	34.7	nd	1.0	nd	nd	nd	nd	6.8
I9	7040	0.4	0.88	38.9	nd	nd	17.4	3.8	7810	1.5	78.8	nd	3.9	0.09	nd	nd	0.8	16.9
I6	887	nd	4.55	1.8	nd	nd	8.6	nd	3750	1.5	10.3	nd	0.4	nd	nd	nd	nd	2.7
I2	1160	nd	0.64	2.2	nd	nd	5.7	0.7	1280	0.7	10.4	nd	0.7	nd	nd	nd	nd	2.7
I3	896	nd	0.75	1.4	nd	nd	6.6	0.7	1260	0.9	8.4	nd	0.6	nd	nd	nd	nd	2.0
<i>38-m Stations</i>																		
I29	5060	nd	1.62	24.0	nd	nd	13.8	2.9	6940	2.1	58.5	0.026	3.1	nd	nd	nd	0.4	15.2
I21	1370	nd	6.03	2.3	nd	nd	13.5	nd	7510	2.9	13.9	nd	0.6	nd	nd	nd	nd	6.9
I13	1120	nd	3.96	2.9	nd	nd	11.0	nd	5040	2.2	15.7	nd	0.6	nd	nd	nd	nd	4.6
I8	4380	nd	1.09	23.4	nd	nd	11.4	1.6	5020	1.3	60.5	nd	2.2	nd	nd	nd	nd	11.1
<i>55-m Stations</i>																		
I28	3880	nd	1.39	17.8	nd	nd	8.6	2.6	5530	2.2	41.3	0.020	3.3	nd	nd	nd	nd	12.5
I20	1200	nd	2.66	2.8	nd	nd	5.4	nd	4740	1.5	14.8	nd	0.5	0.14	nd	nd	nd	5.7
I7	1210	nd	6.76	2.3	nd	nd	10.9	0.7	7460	2.5	19.7	nd	0.3	nd	nd	nd	nd	5.8
I1	2380	nd	0.78	8.3	nd	nd	7.7	0.9	3510	1.5	37.7	0.012	2.1	0.07	nd	nd	nd	6.2
Detection Rate (%)	100	7	100	100	0	0	100	78	100	100	100	37	100	11	0	0	19	100
ERL <sup>b</sup>	na	na	8.2	na	na	1.2	81	34	na	46.7	na	na	20.9	na	1.0	na	na	150
ERM <sup>b</sup>	na	na	70.0	na	na	9.6	370	270	na	218	na	na	51.6	na	3.7	na	na	410

<sup>a</sup>Near-ZID station

<sup>b</sup>From Long et al. 1995

## Addendum 4-7

Concentrations of pesticides (ppt), PCB (ppt), and PAH (ppb) detected in sediments from PLOO stations sampled during winter and summer 2017. See Appendix E.1 for MDLs; tChlor=total chlordane; na=not available; nd=not detected; nr=not reportable; DR=detection rate. All pesticide and PCB results from the winter survey were not reportable.

	Winter	Summer							
	tPAH	Pesticides					tPCB	tPAH	
	tChlor	tDDT	Beta-Endosulfan	tHCH	HCB	Mirex			
<i>88-m Stations</i>									
B11	18	19	454	nd	11	24	nd	375	18
B8	7	24	574	nd	14	29	nd	469	36
E19	11	12	517	nd	nd	10	nd	754	nr
E7	39	nd	557	nd	34	87	nd	1077	nr
E1	152	nd	446	nd	nd	511	nd	1620	nr
<i>98-m Stations</i>									
B12	7	20	345	nd	29	9	nd	249	7
B9	9	17	584	nd	13	17	nd	429	25
E26	19	nd	386	nd	nd	92	nd	357	nr
E25	11	nd	476	nd	nd	19	nd	370	8
E23	9	nd	443	nd	nd	101	nd	395	10
E20	8	6	478	nd	27	5	nd	430	nr
E17 <sup>a</sup>	8	27	636	nd	11	nd	nd	421	nr
E14 <sup>a</sup>	10	34	263	11	113	118	66	393	nr
E11 <sup>a</sup>	10	36	297	nd	45	135	nd	410	nr
E8	nd	nd	257	nd	nd	35	nd	311	nr
E5	7	nd	310	nd	nd	55	nd	373	nr
E2	75	nd	435	nd	nd	28	nd	1055	nr
<i>116-m Stations</i>									
B10	10	36	441	nd	30	4	nd	351	79
E21	6	nd	426	nd	44	63	nd	683	nr
E15 <sup>a</sup>	8	91	250	nd	191	21	nd	364	nr
E9	22	24	429	nd	58	21	nd	1001	nr
E3	107	69	227	nd	nd	nd	nd	2470	nr
DR (%)	95	59	100	5	59	91	5	100	100
ERL <sup>b</sup>	4022	na	1580	na	na	na	na	na	4022
ERM <sup>b</sup>	44,792	na	46,100	na	na	na	na	na	44,792

<sup>a</sup>Near-ZID station

<sup>b</sup>From Long et al. 1995

## Addendum 4-8

Concentrations of pesticides (ppt), PCB (ppt) and PAH (ppb) detected in sediments from SBOO stations sampled during winter and summer 2017. See Appendix E.1 for MDLs; tChlor=total chlordane; na=not available; nd=not detected; nr=not reportable; DR=detection rate. All pesticide and PCB results from the winter survey were not reportable.

	Winter	Summer						tPAH
	tPAH	Pesticides				tPCB	tPAH	
	tPAH	tChlor	tDDT	Endrin	tHCH	HCB	tPCB	tPAH
<i>19-m Stations</i>								
I35	nd	nr	nr	nr	nr	nr	227	nr
I34	nd	nr	nr	nr	nr	nr	10	nr
I31	nd	nd	66	nd	nd	9	118	nd
I23	nd	nd	30	nd	nd	3	3	nr
I18	nd	nd	36	nd	nd	1	20	4
I10	nd	nr	nr	nr	nr	nr	nr	nr
I4	nd	nr	nr	nr	nr	nr	nr	nd
<i>28-m Stations</i>								
I33	nd	nr	nr	nr	nr	nr	125	nr
I30	nd	nr	nr	nr	nr	nr	109	nr
I27	nd	nd	106	nd	14	6	47	4
I22	nd	nd	111	nd	nd	nd	51	nd
I14 <sup>a</sup>	6	nd	134	nd	nd	nd	34	468
I16 <sup>a</sup>	nd	nd	31	nd	nd	8	68	nd
I15 <sup>a</sup>	nd	nd	75	nd	nd	11	40	8
I12 <sup>a</sup>	nd	nd	37	nd	nd	37	15	6
I9	6	nr	nr	nr	nr	nr	nr	7
I6	nd	nr	nr	nr	nr	nr	nr	nd
I2	nd	nr	nr	nr	nr	nr	nr	nd
I3	nd	nr	nr	nr	nr	nr	nr	nd
<i>38-m Stations</i>								
I29	nd	nr	nr	nr	nr	nr	213	nr
I21	nd	nr	nr	nr	nr	nr	17	nr
I13	nd	nr	nr	nr	nr	nr	nr	nd
I8	nd	nr	nr	nr	nr	nr	nr	nr
<i>55-m Stations</i>								
I28	34	nd	3020	nd	nd	51	928	13
I20	71	86	118	133	95	1	78	nr
I7	nd	nr	nr	nr	nr	nr	nr	nr
I1	nd	nr	nr	nr	nr	nr	nr	nd
DR (%)	15	9	100	9	18	82	100	44
ERL <sup>b</sup>	4022	na	1580	na	na	na	na	4022
ERM <sup>b</sup>	44,792	na	46,100	na	na	na	na	44,792

<sup>a</sup> Near-ZID station

<sup>b</sup> From Long et al. 1995

## Addendum 4-9

Summary of the constituents that make up total chlordane, total DDT, total HCH, total PCB, and total PAH in sediments from the PLOO region during 2017.

Station	Class	Constituent	Season	Value	Units
B8	PAH	2,6-dimethylnaphthalene	Winter	7	ppb
B9	PAH	2,6-dimethylnaphthalene	Winter	9	ppb
B10	PAH	2,6-dimethylnaphthalene	Winter	10	ppb
B11	PAH	2,6-dimethylnaphthalene	Winter	12	ppb
B11	PAH	Pyrene	Winter	6	ppb
B12	PAH	2,6-dimethylnaphthalene	Winter	7	ppb
E1	PAH	2,6-dimethylnaphthalene	Winter	9	ppb
E1	PAH	3,4-benzo(B)fluoranthene	Winter	22	ppb
E1	PAH	Benzo[A]anthracene	Winter	20	ppb
E1	PAH	Benzo[A]pyrene	Winter	18	ppb
E1	PAH	Benzo[e]pyrene	Winter	13	ppb
E1	PAH	Benzo[G,H,I]perylene	Winter	7	ppb
E1	PAH	Benzo[K]fluoranthene	Winter	4	ppb
E1	PAH	Chrysene	Winter	15	ppb
E1	PAH	Fluoranthene	Winter	14	ppb
E1	PAH	Indeno(1,2,3-CD)pyrene	Winter	11	ppb
E1	PAH	Pyrene	Winter	19	ppb
E2	PAH	2,6-dimethylnaphthalene	Winter	11	ppb
E2	PAH	3,4-benzo(B)fluoranthene	Winter	15	ppb
E2	PAH	Benzo[A]pyrene	Winter	10	ppb
E2	PAH	Benzo[e]pyrene	Winter	9	ppb
E2	PAH	Chrysene	Winter	7	ppb
E2	PAH	Indeno(1,2,3-CD)pyrene	Winter	7	ppb
E2	PAH	Phenanthrene	Winter	8	ppb
E2	PAH	Pyrene	Winter	9	ppb
E3	PAH	2,6-dimethylnaphthalene	Winter	6	ppb
E3	PAH	3,4-benzo(B)fluoranthene	Winter	18	ppb
E3	PAH	Benzo[A]pyrene	Winter	15	ppb
E3	PAH	Benzo[e]pyrene	Winter	13	ppb
E3	PAH	Benzo[G,H,I]perylene	Winter	13	ppb
E3	PAH	Benzo[K]fluoranthene	Winter	6	ppb
E3	PAH	Chrysene	Winter	8	ppb
E3	PAH	Fluoranthene	Winter	9	ppb
E3	PAH	Indeno(1,2,3-CD)pyrene	Winter	8	ppb
E3	PAH	Pyrene	Winter	11	ppb
E5	PAH	2,6-dimethylnaphthalene	Winter	7	ppb
E7	PAH	2,6-dimethylnaphthalene	Winter	11	ppb
E7	PAH	3,4-benzo(B)fluoranthene	Winter	8	ppb
E7	PAH	Benzo[G,H,I]perylene	Winter	8	ppb
E7	PAH	Fluoranthene	Winter	5	ppb
E7	PAH	Pyrene	Winter	8	ppb
E9	PAH	2,6-dimethylnaphthalene	Winter	8	ppb

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E9	PAH	3,4-benzo(B)fluoranthene	Winter	8	ppb
E9	PAH	Pyrene	Winter	6	ppb
E11	PAH	2,6-dimethylnaphthalene	Winter	10	ppb
E14	PAH	2,6-dimethylnaphthalene	Winter	10	ppb
E15	PAH	2,6-dimethylnaphthalene	Winter	8	ppb
E17	PAH	2,6-dimethylnaphthalene	Winter	8	ppb
E19	PAH	2,6-dimethylnaphthalene	Winter	11	ppb
E20	PAH	2,6-dimethylnaphthalene	Winter	8	ppb
E21	PAH	2,6-dimethylnaphthalene	Winter	6	ppb
E23	PAH	2,6-dimethylnaphthalene	Winter	9	ppb
E25	PAH	2,6-dimethylnaphthalene	Winter	11	ppb
E26	PAH	2,6-dimethylnaphthalene	Winter	13	ppb
E26	PAH	3,4-benzo(B)fluoranthene	Winter	6	ppb
B8	HCH	HCH, Beta isomer	Summer	14	ppt
B8	Chlordane	Alpha(cis)Chlordane	Summer	22	ppt
B8	Chlordane	Gamma(trans)Chlordane	Summer	3	ppt
B8	DDT	o,p-DDD	Summer	25	ppt
B8	DDT	o,p-DDE	Summer	20	ppt
B8	DDT	o,p-DDT	Summer	14	ppt
B8	DDT	p,p-DDD	Summer	83	ppt
B8	DDT	p,p-DDE	Summer	335	ppt
B8	DDT	p,-p-DDMU	Summer	26	ppt
B8	DDT	p,p-DDT	Summer	72	ppt
B8	PAH	2,6-dimethylnaphthalene	Summer	12	ppb
B8	PAH	3,4-benzo(B)fluoranthene	Summer	8	ppb
B8	PAH	Fluoranthene	Summer	8	ppb
B8	PAH	Pyrene	Summer	8	ppb
B8	PCB	PCB 101	Summer	24	ppt
B8	PCB	PCB 105	Summer	18	ppt
B8	PCB	PCB 110	Summer	37	ppt
B8	PCB	PCB 118	Summer	41	ppt
B8	PCB	PCB 128	Summer	15	ppt
B8	PCB	PCB 138	Summer	46	ppt
B8	PCB	PCB 149	Summer	38	ppt
B8	PCB	PCB 151	Summer	8	ppt
B8	PCB	PCB 153/168	Summer	51	ppt
B8	PCB	PCB 170	Summer	14	ppt
B8	PCB	PCB 177	Summer	6	ppt
B8	PCB	PCB 180	Summer	26	ppt
B8	PCB	PCB 183	Summer	5	ppt
B8	PCB	PCB 187	Summer	25	ppt
B8	PCB	PCB 201	Summer	4	ppt
B8	PCB	PCB 206	Summer	22	ppt
B8	PCB	PCB 44	Summer	15	ppt



**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
B8	PCB	PCB 49	Summer	15	ppt
B8	PCB	PCB 52	Summer	17	ppt
B8	PCB	PCB 66	Summer	21	ppt
B8	PCB	PCB 70	Summer	16	ppt
B8	PCB	PCB 74	Summer	5	ppt
B9	HCH	HCH, Alpha isomer	Summer	4	ppt
B9	HCH	HCH, Beta isomer	Summer	10	ppt
B9	Chlordane	Alpha(cis)Chlordane	Summer	1	ppt
B9	Chlordane	Gamma(trans)Chlordane	Summer	15	ppt
B9	Chlordane	Oxychlordane	Summer	1	ppt
B9	DDT	o,p-DDD	Summer	24	ppt
B9	DDT	o,p-DDE	Summer	20	ppt
B9	DDT	o,p-DDT	Summer	16	ppt
B9	DDT	p,p-DDD	Summer	72	ppt
B9	DDT	p,p-DDE	Summer	348	ppt
B9	DDT	p,-p-DDMU	Summer	30	ppt
B9	DDT	p,p-DDT	Summer	74	ppt
B9	PAH	2,6-dimethylnaphthalene	Summer	10	ppb
B9	PAH	3,4-benzo(B)fluoranthene	Summer	7	ppb
B9	PAH	Chrysene	Summer	8	ppb
B9	PCB	PCB 101	Summer	30	ppt
B9	PCB	PCB 105	Summer	18	ppt
B9	PCB	PCB 110	Summer	27	ppt
B9	PCB	PCB 118	Summer	34	ppt
B9	PCB	PCB 128	Summer	18	ppt
B9	PCB	PCB 138	Summer	45	ppt
B9	PCB	PCB 149	Summer	35	ppt
B9	PCB	PCB 151	Summer	4	ppt
B9	PCB	PCB 153/168	Summer	38	ppt
B9	PCB	PCB 170	Summer	20	ppt
B9	PCB	PCB 18	Summer	11	ppt
B9	PCB	PCB 180	Summer	15	ppt
B9	PCB	PCB 187	Summer	14	ppt
B9	PCB	PCB 206	Summer	21	ppt
B9	PCB	PCB 44	Summer	9	ppt
B9	PCB	PCB 49	Summer	13	ppt
B9	PCB	PCB 52	Summer	15	ppt
B9	PCB	PCB 66	Summer	20	ppt
B9	PCB	PCB 70	Summer	13	ppt
B9	PCB	PCB 74	Summer	9	ppt
B9	PCB	PCB 99	Summer	24	ppt
B10	HCH	HCH, Beta isomer	Summer	16	ppt
B10	HCH	HCH, Delta isomer	Summer	14	ppt
B10	Chlordane	Alpha(cis)Chlordane	Summer	19	ppt
B10	Chlordane	Gamma(trans)Chlordane	Summer	17	ppt
B10	DDT	o,p-DDD	Summer	21	ppt
B10	DDT	o,p-DDE	Summer	18	ppt
B10	DDT	p,p-DDD	Summer	51	ppt
B10	DDT	p,p-DDE	Summer	289	ppt
B10	DDT	p,-p-DDMU	Summer	27	ppt
B10	DDT	p,p-DDT	Summer	36	ppt
B10	PAH	2,6-dimethylnaphthalene	Summer	15	ppb
B10	PAH	2-methylnaphthalene	Summer	7	ppb

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
B10	PAH	Acenaphthene	Summer	8	ppb
B10	PAH	Acenaphthylene	Summer	7	ppb
B10	PAH	Anthracene	Summer	8	ppb
B10	PAH	Biphenyl	Summer	7	ppb
B10	PAH	Fluoranthene	Summer	6	ppb
B10	PAH	Fluorene	Summer	10	ppb
B10	PAH	Phenanthrene	Summer	10	ppb
B10	PCB	PCB 101	Summer	24	ppt
B10	PCB	PCB 105	Summer	3	ppt
B10	PCB	PCB 110	Summer	29	ppt
B10	PCB	PCB 118	Summer	19	ppt
B10	PCB	PCB 128	Summer	10	ppt
B10	PCB	PCB 138	Summer	31	ppt
B10	PCB	PCB 149	Summer	31	ppt
B10	PCB	PCB 151	Summer	8	ppt
B10	PCB	PCB 153/168	Summer	47	ppt
B10	PCB	PCB 18	Summer	4	ppt
B10	PCB	PCB 180	Summer	19	ppt
B10	PCB	PCB 183	Summer	6	ppt
B10	PCB	PCB 187	Summer	20	ppt
B10	PCB	PCB 194	Summer	9	ppt
B10	PCB	PCB 206	Summer	19	ppt
B10	PCB	PCB 49	Summer	6	ppt
B10	PCB	PCB 66	Summer	17	ppt
B10	PCB	PCB 70	Summer	12	ppt
B10	PCB	PCB 74	Summer	6	ppt
B10	PCB	PCB 87	Summer	4	ppt
B10	PCB	PCB 99	Summer	26	ppt
B11	HCH	HCH, Beta isomer	Summer	11	ppt
B11	Chlordane	Alpha(cis)Chlordane	Summer	14	ppt
B11	Chlordane	Heptachlor.epoxide	Summer	6	ppt
B11	DDT	o,p-DDD	Summer	21	ppt
B11	DDT	o,p-DDE	Summer	17	ppt
B11	DDT	p,p-DDD	Summer	53	ppt
B11	DDT	p,p-DDE	Summer	299	ppt
B11	DDT	p,-p-DDMU	Summer	11	ppt
B11	DDT	p,p-DDT	Summer	53	ppt
B11	PAH	2,6-dimethylnaphthalene	Summer	11	ppb
B11	PAH	3,4-benzo(B)fluoranthene	Summer	7	ppb
B11	PCB	PCB 101	Summer	18	ppt
B11	PCB	PCB 105	Summer	17	ppt
B11	PCB	PCB 110	Summer	16	ppt
B11	PCB	PCB 118	Summer	44	ppt
B11	PCB	PCB 138	Summer	36	ppt
B11	PCB	PCB 149	Summer	22	ppt
B11	PCB	PCB 151	Summer	6	ppt
B11	PCB	PCB 153/168	Summer	38	ppt
B11	PCB	PCB 170	Summer	13	ppt
B11	PCB	PCB 177	Summer	11	ppt
B11	PCB	PCB 18	Summer	16	ppt
B11	PCB	PCB 180	Summer	11	ppt
B11	PCB	PCB 187	Summer	17	ppt
B11	PCB	PCB 206	Summer	18	ppt
B11	PCB	PCB 28	Summer	23	ppt

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
B11	PCB	PCB 52	Summer	16	ppt
B11	PCB	PCB 66	Summer	21	ppt
B11	PCB	PCB 70	Summer	11	ppt
B11	PCB	PCB 74	Summer	7	ppt
B11	PCB	PCB 77	Summer	7	ppt
B11	PCB	PCB 99	Summer	9	ppt
B12	HCH	HCH, Alpha isomer	Summer	4	ppt
B12	HCH	HCH, Beta isomer	Summer	11	ppt
B12	HCH	HCH, Delta isomer	Summer	14	ppt
B12	Chlordane	Alpha(cis)Chlordane	Summer	11	ppt
B12	Chlordane	Gamma(trans)Chlordane	Summer	9	ppt
B12	DDT	o,p-DDD	Summer	13	ppt
B12	DDT	o,p-DDE	Summer	16	ppt
B12	DDT	p,p-DDD	Summer	29	ppt
B12	DDT	p,p-DDE	Summer	242	ppt
B12	DDT	p,p-DDT	Summer	45	ppt
B12	PAH	2,6-dimethylnaphthalene	Summer	7	ppb
B12	PCB	PCB 101	Summer	15	ppt
B12	PCB	PCB 105	Summer	13	ppt
B12	PCB	PCB 110	Summer	16	ppt
B12	PCB	PCB 118	Summer	27	ppt
B12	PCB	PCB 128	Summer	17	ppt
B12	PCB	PCB 138	Summer	28	ppt
B12	PCB	PCB 149	Summer	23	ppt
B12	PCB	PCB 151	Summer	4	ppt
B12	PCB	PCB 153/168	Summer	21	ppt
B12	PCB	PCB 18	Summer	9	ppt
B12	PCB	PCB 180	Summer	7	ppt
B12	PCB	PCB 187	Summer	14	ppt
B12	PCB	PCB 206	Summer	18	ppt
B12	PCB	PCB 49	Summer	7	ppt
B12	PCB	PCB 52	Summer	11	ppt
B12	PCB	PCB 66	Summer	12	ppt
B12	PCB	PCB 70	Summer	7	ppt
E1	DDT	o,p-DDE	Summer	13	ppt
E1	DDT	p,p-DDD	Summer	65	ppt
E1	DDT	p,p-DDE	Summer	299	ppt
E1	DDT	p,-p-DDMU	Summer	26	ppt
E1	DDT	p,p-DDT	Summer	44	ppt
E1	PCB	PCB 101	Summer	95	ppt
E1	PCB	PCB 105	Summer	58	ppt
E1	PCB	PCB 110	Summer	110	ppt
E1	PCB	PCB 118	Summer	140	ppt
E1	PCB	PCB 128	Summer	22	ppt
E1	PCB	PCB 138	Summer	140	ppt
E1	PCB	PCB 149	Summer	130	ppt
E1	PCB	PCB 151	Summer	45	ppt
E1	PCB	PCB 153/168	Summer	220	ppt
E1	PCB	PCB 170	Summer	31	ppt
E1	PCB	PCB 180	Summer	86	ppt
E1	PCB	PCB 187	Summer	85	ppt
E1	PCB	PCB 194	Summer	42	ppt
E1	PCB	PCB 206	Summer	44	ppt

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E1	PCB	PCB 28	Summer	34	ppt
E1	PCB	PCB 44	Summer	26	ppt
E1	PCB	PCB 49	Summer	29	ppt
E1	PCB	PCB 52	Summer	58	ppt
E1	PCB	PCB 66	Summer	52	ppt
E1	PCB	PCB 70	Summer	43	ppt
E1	PCB	PCB 74	Summer	18	ppt
E1	PCB	PCB 87	Summer	42	ppt
E1	PCB	PCB 99	Summer	71	ppt
E2	DDT	o,p-DDE	Summer	11	ppt
E2	DDT	p,p-DDD	Summer	56	ppt
E2	DDT	p,p-DDE	Summer	263	ppt
E2	DDT	p,-p-DDMU	Summer	48	ppt
E2	DDT	p,p-DDT	Summer	56	ppt
E2	PCB	PCB 101	Summer	80	ppt
E2	PCB	PCB 105	Summer	49	ppt
E2	PCB	PCB 110	Summer	90	ppt
E2	PCB	PCB 118	Summer	94	ppt
E2	PCB	PCB 128	Summer	11	ppt
E2	PCB	PCB 138	Summer	130	ppt
E2	PCB	PCB 149	Summer	86	ppt
E2	PCB	PCB 153/168	Summer	118	ppt
E2	PCB	PCB 170	Summer	36	ppt
E2	PCB	PCB 180	Summer	81	ppt
E2	PCB	PCB 183	Summer	6	ppt
E2	PCB	PCB 187	Summer	24	ppt
E2	PCB	PCB 194	Summer	24	ppt
E2	PCB	PCB 206	Summer	20	ppt
E2	PCB	PCB 28	Summer	25	ppt
E2	PCB	PCB 52	Summer	40	ppt
E2	PCB	PCB 66	Summer	37	ppt
E2	PCB	PCB 70	Summer	32	ppt
E2	PCB	PCB 74	Summer	9	ppt
E2	PCB	PCB 87	Summer	31	ppt
E2	PCB	PCB 99	Summer	31	ppt
E3	Chlordane	Alpha(cis)Chlordane	Summer	32	ppt
E3	Chlordane	Gamma(trans)Chlordane	Summer	37	ppt
E3	DDT	o,p-DDE	Summer	10	ppt
E3	DDT	p,p-DDD	Summer	68	ppt
E3	DDT	p,p-DDE	Summer	149	ppt
E3	PCB	PCB 101	Summer	150	ppt
E3	PCB	PCB 105	Summer	89	ppt
E3	PCB	PCB 110	Summer	200	ppt
E3	PCB	PCB 118	Summer	210	ppt
E3	PCB	PCB 128	Summer	28	ppt
E3	PCB	PCB 138	Summer	200	ppt
E3	PCB	PCB 149	Summer	200	ppt
E3	PCB	PCB 151	Summer	39	ppt
E3	PCB	PCB 153/168	Summer	280	ppt
E3	PCB	PCB 170	Summer	67	ppt
E3	PCB	PCB 177	Summer	37	ppt
E3	PCB	PCB 18	Summer	36	ppt
E3	PCB	PCB 180	Summer	160	ppt

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E3	PCB	PCB 187	Summer	97	ppt
E3	PCB	PCB 194	Summer	36	ppt
E3	PCB	PCB 206	Summer	56	ppt
E3	PCB	PCB 28	Summer	35	ppt
E3	PCB	PCB 37	Summer	14	ppt
E3	PCB	PCB 44	Summer	55	ppt
E3	PCB	PCB 49	Summer	49	ppt
E3	PCB	PCB 52	Summer	86	ppt
E3	PCB	PCB 66	Summer	70	ppt
E3	PCB	PCB 70	Summer	74	ppt
E3	PCB	PCB 74	Summer	32	ppt
E3	PCB	PCB 87	Summer	71	ppt
E3	PCB	PCB 99	Summer	100	ppt
E5	DDT	o,p-DDE	Summer	18	ppt
E5	DDT	p,p-DDD	Summer	40	ppt
E5	DDT	p,p-DDE	Summer	207	ppt
E5	DDT	p,p-DDT	Summer	45	ppt
E5	PCB	PCB 101	Summer	40	ppt
E5	PCB	PCB 118	Summer	18	ppt
E5	PCB	PCB 128	Summer	16	ppt
E5	PCB	PCB 138	Summer	57	ppt
E5	PCB	PCB 149	Summer	54	ppt
E5	PCB	PCB 153/168	Summer	58	ppt
E5	PCB	PCB 187	Summer	25	ppt
E5	PCB	PCB 206	Summer	35	ppt
E5	PCB	PCB 49	Summer	16	ppt
E5	PCB	PCB 52	Summer	20	ppt
E5	PCB	PCB 66	Summer	18	ppt
E5	PCB	PCB 70	Summer	16	ppt
E7	HCH	HCH, Alpha isomer	Summer	15	ppt
E7	HCH	HCH, Beta isomer	Summer	19	ppt
E7	DDT	o,p-DDD	Summer	26	ppt
E7	DDT	o,p-DDE	Summer	21	ppt
E7	DDT	o,p-DDT	Summer	18	ppt
E7	DDT	p,p-DDD	Summer	87	ppt
E7	DDT	p,p-DDE	Summer	329	ppt
E7	DDT	p,p-DDT	Summer	76	ppt
E7	PCB	PCB 101	Summer	49	ppt
E7	PCB	PCB 105	Summer	31	ppt
E7	PCB	PCB 110	Summer	51	ppt
E7	PCB	PCB 118	Summer	85	ppt
E7	PCB	PCB 119	Summer	11	ppt
E7	PCB	PCB 138	Summer	83	ppt
E7	PCB	PCB 149	Summer	70	ppt
E7	PCB	PCB 153/168	Summer	103	ppt
E7	PCB	PCB 156	Summer	26	ppt
E7	PCB	PCB 170	Summer	40	ppt
E7	PCB	PCB 18	Summer	29	ppt
E7	PCB	PCB 180	Summer	53	ppt
E7	PCB	PCB 183	Summer	21	ppt
E7	PCB	PCB 187	Summer	45	ppt
E7	PCB	PCB 206	Summer	33	ppt
E7	PCB	PCB 28	Summer	59	ppt

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E7	PCB	PCB 37	Summer	36	ppt
E7	PCB	PCB 44	Summer	26	ppt
E7	PCB	PCB 49	Summer	28	ppt
E7	PCB	PCB 52	Summer	34	ppt
E7	PCB	PCB 66	Summer	39	ppt
E7	PCB	PCB 70	Summer	35	ppt
E7	PCB	PCB 74	Summer	27	ppt
E7	PCB	PCB 87	Summer	24	ppt
E7	PCB	PCB 99	Summer	40	ppt
E8	DDT	o,p-DDE	Summer	14	ppt
E8	DDT	p,p-DDD	Summer	27	ppt
E8	DDT	p,p-DDE	Summer	188	ppt
E8	DDT	p,p-DDT	Summer	28	ppt
E8	PCB	PCB 101	Summer	21	ppt
E8	PCB	PCB 110	Summer	15	ppt
E8	PCB	PCB 118	Summer	16	ppt
E8	PCB	PCB 128	Summer	14	ppt
E8	PCB	PCB 138	Summer	37	ppt
E8	PCB	PCB 149	Summer	30	ppt
E8	PCB	PCB 151	Summer	2	ppt
E8	PCB	PCB 153/168	Summer	46	ppt
E8	PCB	PCB 180	Summer	22	ppt
E8	PCB	PCB 187	Summer	18	ppt
E8	PCB	PCB 206	Summer	30	ppt
E8	PCB	PCB 52	Summer	12	ppt
E8	PCB	PCB 66	Summer	18	ppt
E8	PCB	PCB 70	Summer	12	ppt
E8	PCB	PCB 99	Summer	18	ppt
E9	HCH	HCH, Alpha isomer	Summer	19	ppt
E9	HCH	HCH, Beta isomer	Summer	23	ppt
E9	HCH	HCH, Delta isomer	Summer	17	ppt
E9	Chlordane	Heptachlor.epoxide	Summer	24	ppt
E9	DDT	o,p-DDE	Summer	16	ppt
E9	DDT	p,p-DDD	Summer	51	ppt
E9	DDT	p,p-DDE	Summer	332	ppt
E9	DDT	p,p-DDT	Summer	30	ppt
E9	PCB	PCB 101	Summer	75	ppt
E9	PCB	PCB 105	Summer	33	ppt
E9	PCB	PCB 110	Summer	73	ppt
E9	PCB	PCB 118	Summer	63	ppt
E9	PCB	PCB 128	Summer	26	ppt
E9	PCB	PCB 138	Summer	93	ppt
E9	PCB	PCB 149	Summer	84	ppt
E9	PCB	PCB 151	Summer	17	ppt
E9	PCB	PCB 153/168	Summer	104	ppt
E9	PCB	PCB 170	Summer	46	ppt
E9	PCB	PCB 177	Summer	34	ppt
E9	PCB	PCB 180	Summer	44	ppt
E9	PCB	PCB 206	Summer	84	ppt
E9	PCB	PCB 44	Summer	23	ppt
E9	PCB	PCB 49	Summer	21	ppt
E9	PCB	PCB 52	Summer	35	ppt
E9	PCB	PCB 66	Summer	32	ppt

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E9	PCB	PCB 70	Summer	25	ppt
E9	PCB	PCB 74	Summer	16	ppt
E9	PCB	PCB 87	Summer	30	ppt
E9	PCB	PCB 99	Summer	44	ppt
E11	HCH	HCH, Alpha isomer	Summer	25	ppt
E11	HCH	HCH, Beta isomer	Summer	20	ppt
E11	Chlordane	Alpha(cis)Chlordane	Summer	18	ppt
E11	Chlordane	Gamma(trans)Chlordane	Summer	18	ppt
E11	DDT	o,p-DDE	Summer	16	ppt
E11	DDT	p,p-DDD	Summer	31	ppt
E11	DDT	p,p-DDE	Summer	250	ppt
E11	PCB	PCB 101	Summer	31	ppt
E11	PCB	PCB 105	Summer	22	ppt
E11	PCB	PCB 110	Summer	32	ppt
E11	PCB	PCB 118	Summer	20	ppt
E11	PCB	PCB 138	Summer	53	ppt
E11	PCB	PCB 149	Summer	40	ppt
E11	PCB	PCB 153/168	Summer	59	ppt
E11	PCB	PCB 180	Summer	26	ppt
E11	PCB	PCB 187	Summer	23	ppt
E11	PCB	PCB 206	Summer	21	ppt
E11	PCB	PCB 52	Summer	20	ppt
E11	PCB	PCB 66	Summer	20	ppt
E11	PCB	PCB 70	Summer	16	ppt
E11	PCB	PCB 74	Summer	9	ppt
E11	PCB	PCB 99	Summer	19	ppt
E14	HCH	HCH, Alpha isomer	Summer	66	ppt
E14	HCH	HCH, Beta isomer	Summer	30	ppt
E14	HCH	HCH, Gamma isomer	Summer	18	ppt
E14	Chlordane	Heptachlor.epoxide	Summer	34	ppt
E14	DDT	o,p-DDE	Summer	14	ppt
E14	DDT	o,p-DDT	Summer	7	ppt
E14	DDT	p,p-DDD	Summer	32	ppt
E14	DDT	p,p-DDE	Summer	175	ppt
E14	DDT	p,p-DDT	Summer	35	ppt
E14	PCB	PCB 101	Summer	24	ppt
E14	PCB	PCB 110	Summer	25	ppt
E14	PCB	PCB 119	Summer	3	ppt
E14	PCB	PCB 128	Summer	11	ppt
E14	PCB	PCB 138	Summer	31	ppt
E14	PCB	PCB 149	Summer	23	ppt
E14	PCB	PCB 151	Summer	4	ppt
E14	PCB	PCB 153/168	Summer	48	ppt
E14	PCB	PCB 18	Summer	26	ppt
E14	PCB	PCB 187	Summer	11	ppt
E14	PCB	PCB 206	Summer	23	ppt
E14	PCB	PCB 28	Summer	35	ppt
E14	PCB	PCB 37	Summer	16	ppt
E14	PCB	PCB 49	Summer	23	ppt
E14	PCB	PCB 52	Summer	26	ppt
E14	PCB	PCB 66	Summer	22	ppt
E14	PCB	PCB 70	Summer	14	ppt
E14	PCB	PCB 74	Summer	10	ppt

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E14	PCB	PCB 77	Summer	6	ppt
E14	PCB	PCB 87	Summer	12	ppt
E15	HCH	HCH, Alpha isomer	Summer	58	ppt
E15	HCH	HCH, Beta isomer	Summer	63	ppt
E15	HCH	HCH, Delta isomer	Summer	23	ppt
E15	HCH	HCH, Gamma isomer	Summer	47	ppt
E15	Chlordane	Alpha(cis)Chlordane	Summer	34	ppt
E15	Chlordane	Gamma(trans)Chlordane	Summer	57	ppt
E15	DDT	o,p-DDE	Summer	10	ppt
E15	DDT	p,p-DDE	Summer	197	ppt
E15	DDT	p,p-DDT	Summer	44	ppt
E15	PCB	PCB 101	Summer	27	ppt
E15	PCB	PCB 110	Summer	25	ppt
E15	PCB	PCB 118	Summer	43	ppt
E15	PCB	PCB 128	Summer	14	ppt
E15	PCB	PCB 138	Summer	39	ppt
E15	PCB	PCB 149	Summer	30	ppt
E15	PCB	PCB 151	Summer	5	ppt
E15	PCB	PCB 153/168	Summer	50	ppt
E15	PCB	PCB 177	Summer	13	ppt
E15	PCB	PCB 180	Summer	28	ppt
E15	PCB	PCB 187	Summer	23	ppt
E15	PCB	PCB 206	Summer	25	ppt
E15	PCB	PCB 52	Summer	10	ppt
E15	PCB	PCB 66	Summer	15	ppt
E15	PCB	PCB 70	Summer	11	ppt
E15	PCB	PCB 74	Summer	5	ppt
E17	HCH	HCH, Beta isomer	Summer	11	ppt
E17	Chlordane	Oxychlordane	Summer	27	ppt
E17	DDT	o,p-DDD	Summer	19	ppt
E17	DDT	o,p-DDE	Summer	22	ppt
E17	DDT	o,p-DDT	Summer	20	ppt
E17	DDT	p,p-DDD	Summer	54	ppt
E17	DDT	p,p-DDE	Summer	232	ppt
E17	DDT	p,p-DDT	Summer	290	ppt
E17	PCB	PCB 105	Summer	17	ppt
E17	PCB	PCB 110	Summer	39	ppt
E17	PCB	PCB 118	Summer	41	ppt
E17	PCB	PCB 128	Summer	16	ppt
E17	PCB	PCB 138	Summer	58	ppt
E17	PCB	PCB 149	Summer	31	ppt
E17	PCB	PCB 153/168	Summer	51	ppt
E17	PCB	PCB 180	Summer	23	ppt
E17	PCB	PCB 187	Summer	19	ppt
E17	PCB	PCB 206	Summer	23	ppt
E17	PCB	PCB 52	Summer	18	ppt
E17	PCB	PCB 66	Summer	20	ppt
E17	PCB	PCB 70	Summer	17	ppt
E17	PCB	PCB 74	Summer	11	ppt
E17	PCB	PCB 99	Summer	38	ppt
E19	Chlordane	Gamma(trans)Chlordane	Summer	12	ppt
E19	DDT	o,p-DDD	Summer	24	ppt



**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E19	DDT	o,p-DDE	Summer	20	ppt
E19	DDT	p,p-DDD	Summer	65	ppt
E19	DDT	p,p-DDE	Summer	351	ppt
E19	DDT	p,p-DDT	Summer	56	ppt
E19	PCB	PCB 101	Summer	52	ppt
E19	PCB	PCB 105	Summer	33	ppt
E19	PCB	PCB 110	Summer	74	ppt
E19	PCB	PCB 118	Summer	72	ppt
E19	PCB	PCB 128	Summer	16	ppt
E19	PCB	PCB 138	Summer	86	ppt
E19	PCB	PCB 149	Summer	58	ppt
E19	PCB	PCB 151	Summer	13	ppt
E19	PCB	PCB 153/168	Summer	76	ppt
E19	PCB	PCB 156	Summer	16	ppt
E19	PCB	PCB 170	Summer	24	ppt
E19	PCB	PCB 180	Summer	60	ppt
E19	PCB	PCB 187	Summer	25	ppt
E19	PCB	PCB 194	Summer	15	ppt
E19	PCB	PCB 206	Summer	27	ppt
E19	PCB	PCB 52	Summer	26	ppt
E19	PCB	PCB 66	Summer	30	ppt
E19	PCB	PCB 70	Summer	24	ppt
E19	PCB	PCB 74	Summer	10	ppt
E19	PCB	PCB 87	Summer	19	ppt
E20	HCH	HCH, Alpha isomer	Summer	11	ppt
E20	HCH	HCH, Beta isomer	Summer	16	ppt
E20	Chlordane	Heptachlor.epoxide	Summer	6	ppt
E20	DDT	o,p-DDE	Summer	15	ppt
E20	DDT	o,p-DDT	Summer	15	ppt
E20	DDT	p,p-DDD	Summer	21	ppt
E20	DDT	p,p-DDE	Summer	261	ppt
E20	DDT	p,-p-DDMU	Summer	38	ppt
E20	DDT	p,p-DDT	Summer	128	ppt
E20	PCB	PCB 101	Summer	35	ppt
E20	PCB	PCB 105	Summer	9	ppt
E20	PCB	PCB 110	Summer	24	ppt
E20	PCB	PCB 118	Summer	26	ppt
E20	PCB	PCB 128	Summer	16	ppt
E20	PCB	PCB 138	Summer	46	ppt
E20	PCB	PCB 149	Summer	35	ppt
E20	PCB	PCB 153/168	Summer	61	ppt
E20	PCB	PCB 170	Summer	12	ppt
E20	PCB	PCB 180	Summer	14	ppt
E20	PCB	PCB 183	Summer	4	ppt
E20	PCB	PCB 187	Summer	20	ppt
E20	PCB	PCB 206	Summer	23	ppt
E20	PCB	PCB 52	Summer	19	ppt
E20	PCB	PCB 66	Summer	24	ppt
E20	PCB	PCB 70	Summer	15	ppt
E20	PCB	PCB 74	Summer	4	ppt
E20	PCB	PCB 87	Summer	19	ppt
E20	PCB	PCB 99	Summer	24	ppt

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E21	HCH	HCH, Alpha isomer	Summer	14	ppt
E21	HCH	HCH, Beta isomer	Summer	16	ppt
E21	HCH	HCH, Delta isomer	Summer	14	ppt
E21	DDT	o,p-DDE	Summer	17	ppt
E21	DDT	p,p-DDD	Summer	32	ppt
E21	DDT	p,p-DDE	Summer	327	ppt
E21	DDT	p,p-DDT	Summer	51	ppt
E21	PCB	PCB 101	Summer	61	ppt
E21	PCB	PCB 105	Summer	21	ppt
E21	PCB	PCB 110	Summer	43	ppt
E21	PCB	PCB 118	Summer	60	ppt
E21	PCB	PCB 123	Summer	8	ppt
E21	PCB	PCB 128	Summer	19	ppt
E21	PCB	PCB 138	Summer	53	ppt
E21	PCB	PCB 149	Summer	43	ppt
E21	PCB	PCB 151	Summer	12	ppt
E21	PCB	PCB 153/168	Summer	62	ppt
E21	PCB	PCB 180	Summer	39	ppt
E21	PCB	PCB 183	Summer	10	ppt
E21	PCB	PCB 187	Summer	22	ppt
E21	PCB	PCB 194	Summer	23	ppt
E21	PCB	PCB 206	Summer	31	ppt
E21	PCB	PCB 28	Summer	16	ppt
E21	PCB	PCB 44	Summer	14	ppt
E21	PCB	PCB 49	Summer	10	ppt
E21	PCB	PCB 52	Summer	24	ppt
E21	PCB	PCB 66	Summer	23	ppt
E21	PCB	PCB 70	Summer	25	ppt
E21	PCB	PCB 74	Summer	11	ppt
E21	PCB	PCB 87	Summer	22	ppt
E21	PCB	PCB 99	Summer	30	ppt
E23	DDT	o,p-DDD	Summer	19	ppt
E23	DDT	o,p-DDE	Summer	16	ppt
E23	DDT	p,p-DDD	Summer	63	ppt
E23	DDT	p,p-DDE	Summer	301	ppt
E23	DDT	p,p-DDT	Summer	44	ppt
E23	PAH	2,6-dimethylnaphthalene	Summer	10	ppb
E23	PCB	PCB 101	Summer	29	ppt
E23	PCB	PCB 118	Summer	48	ppt
E23	PCB	PCB 128	Summer	12	ppt
E23	PCB	PCB 138	Summer	27	ppt
E23	PCB	PCB 149	Summer	39	ppt
E23	PCB	PCB 151	Summer	8	ppt
E23	PCB	PCB 153/168	Summer	63	ppt
E23	PCB	PCB 177	Summer	8	ppt
E23	PCB	PCB 180	Summer	20	ppt
E23	PCB	PCB 187	Summer	25	ppt
E23	PCB	PCB 206	Summer	20	ppt
E23	PCB	PCB 49	Summer	15	ppt
E23	PCB	PCB 52	Summer	13	ppt
E23	PCB	PCB 66	Summer	25	ppt
E23	PCB	PCB 70	Summer	12	ppt
E23	PCB	PCB 74	Summer	9	ppt
E23	PCB	PCB 99	Summer	23	ppt

**Addendum 4-9** *continued*

Station	Class	Constituent	Season	Value	Units
E25	DDT	o,p-DDD	Summer	17	ppt
E25	DDT	o,p-DDE	Summer	19	ppt
E25	DDT	p,p-DDD	Summer	56	ppt
E25	DDT	p,p-DDE	Summer	291	ppt
E25	DDT	p,p-DDT	Summer	94	ppt
E25	PAH	2,6-dimethylnaphthalene	Summer	8	ppb
E25	PCB	PCB 101	Summer	33	ppt
E25	PCB	PCB 110	Summer	43	ppt
E25	PCB	PCB 118	Summer	43	ppt
E25	PCB	PCB 128	Summer	11	ppt
E25	PCB	PCB 138	Summer	39	ppt
E25	PCB	PCB 149	Summer	27	ppt
E25	PCB	PCB 151	Summer	4	ppt
E25	PCB	PCB 153/168	Summer	38	ppt
E25	PCB	PCB 180	Summer	10	ppt
E25	PCB	PCB 187	Summer	19	ppt
E25	PCB	PCB 206	Summer	20	ppt
E25	PCB	PCB 52	Summer	19	ppt
E25	PCB	PCB 66	Summer	19	ppt
E25	PCB	PCB 70	Summer	11	ppt
E25	PCB	PCB 74	Summer	4	ppt
E25	PCB	PCB 87	Summer	12	ppt
E25	PCB	PCB 99	Summer	18	ppt
E26	DDT	o,p-DDE	Summer	20	ppt
E26	DDT	p,p-DDD	Summer	44	ppt
E26	DDT	p,p-DDE	Summer	276	ppt
E26	DDT	p,p-DDT	Summer	46	ppt
E26	PCB	PCB 105	Summer	19	ppt
E26	PCB	PCB 110	Summer	28	ppt
E26	PCB	PCB 118	Summer	33	ppt
E26	PCB	PCB 128	Summer	13	ppt
E26	PCB	PCB 138	Summer	27	ppt
E26	PCB	PCB 149	Summer	32	ppt
E26	PCB	PCB 151	Summer	6	ppt
E26	PCB	PCB 153/168	Summer	62	ppt
E26	PCB	PCB 180	Summer	18	ppt
E26	PCB	PCB 183	Summer	11	ppt
E26	PCB	PCB 187	Summer	22	ppt
E26	PCB	PCB 206	Summer	18	ppt
E26	PCB	PCB 66	Summer	23	ppt
E26	PCB	PCB 70	Summer	19	ppt
E26	PCB	PCB 74	Summer	9	ppt
E26	PCB	PCB 99	Summer	18	ppt

## Addendum 4-10

Summary of the constituents that make up total chlordane, total DDT, total HCH, total PCB, and total PAH in sediments from the SBOO region during 2017.

Station	Class	Constituent	Season	Value	Units
I9	PAH	2,6-dimethylnaphthalene	Winter	6	ppb
I14	PAH	2,6-dimethylnaphthalene	Winter	6	ppb
I20	PAH	1-methylnaphthalene	Winter	14	ppb
I20	PAH	3,4-benzo(B)fluoranthene	Winter	4	ppb
I20	PAH	Anthracene	Winter	8	ppb
I20	PAH	Benzo[A]anthracene	Winter	8	ppb
I20	PAH	Benzo[A]pyrene	Winter	4	ppb
I20	PAH	Benzo[e]pyrene	Winter	5	ppb
I20	PAH	Benzo[K]fluoranthene	Winter	4	ppb
I20	PAH	Chrysene	Winter	5	ppb
I20	PAH	Fluoranthene	Winter	6	ppb
I20	PAH	Perylene	Winter	4	ppb
I20	PAH	Phenanthrene	Winter	6	ppb
I20	PAH	Pyrene	Winter	6	ppb
I28	PAH	2,6-dimethylnaphthalene	Winter	8	ppb
I28	PAH	3,4-benzo(B)fluoranthene	Winter	7	ppb
I28	PAH	Benzo[A]pyrene	Winter	6	ppb
I28	PAH	Phenanthrene	Winter	5	ppb
I28	PAH	Pyrene	Winter	8	ppb
I9	PAH	2,6-dimethylnaphthalene	Summer	7	ppb
I12	DDT	p,p-DDE	Summer	37	ppt
I12	PAH	Benzo[K]fluoranthene	Summer	3	ppb
I12	PAH	Pyrene	Summer	3	ppb
I12	PCB	PCB 119	Summer	2	ppt
I12	PCB	PCB 206	Summer	14	ppt
I14	DDT	o,p-DDE	Summer	6	ppt
I14	DDT	p,p-DDD	Summer	10	ppt
I14	DDT	p,p-DDE	Summer	102	ppt
I14	DDT	p,-p-DDMU	Summer	16	ppt
I14	PAH	1-methylnaphthalene	Summer	65	ppb
I14	PAH	2,6-dimethylnaphthalene	Summer	5	ppb
I14	PAH	3,4-benzo(B)fluoranthene	Summer	21	ppb
I14	PAH	Acenaphthylene	Summer	4	ppb
I14	PAH	Anthracene	Summer	61	ppb
I14	PAH	Benzo[A]anthracene	Summer	36	ppb
I14	PAH	Benzo[A]pyrene	Summer	20	ppb
I14	PAH	Benzo[e]pyrene	Summer	10	ppb
I14	PAH	Benzo[G,H,I]perylene	Summer	7	ppb
I14	PAH	Benzo[K]fluoranthene	Summer	23	ppb
I14	PAH	Chrysene	Summer	32	ppb
I14	PAH	Dibenzo(A,H)anthracene	Summer	7	ppb
I14	PAH	Fluoranthene	Summer	56	ppb
I14	PAH	Indeno(1,2,3-CD)pyrene	Summer	8	ppb
I14	PAH	Perylene	Summer	9	ppb
I14	PAH	Phenanthrene	Summer	45	ppb
I14	PAH	Pyrene	Summer	60	ppb
I14	PCB	PCB 119	Summer	3	ppt

**Addendum 4-10** *continued*

Station	Class	Constituent	Season	Value	Units
I14	PCB	PCB 153/168	Summer	5	ppt
I14	PCB	PCB 180	Summer	7	ppt
I14	PCB	PCB 206	Summer	19	ppt
I15	DDT	o,p-DDE	Summer	6	ppt
I15	DDT	p,p-DDE	Summer	69	ppt
I15	PAH	Dibenzo(A,H)anthracene	Summer	5	ppb
I15	PAH	Indeno(1,2,3-CD)pyrene	Summer	3	ppb
I15	PCB	PCB 101	Summer	5	ppt
I15	PCB	PCB 138	Summer	6	ppt
I15	PCB	PCB 153/168	Summer	8	ppt
I15	PCB	PCB 206	Summer	13	ppt
I15	PCB	PCB 66	Summer	5	ppt
I15	PCB	PCB 70	Summer	4	ppt
I16	DDT	p,p-DDE	Summer	31	ppt
I16	PCB	PCB 110	Summer	6	ppt
I16	PCB	PCB 128	Summer	4	ppt
I16	PCB	PCB 138	Summer	8	ppt
I16	PCB	PCB 149	Summer	8	ppt
I16	PCB	PCB 206	Summer	16	ppt
I16	PCB	PCB 37	Summer	10	ppt
I16	PCB	PCB 66	Summer	9	ppt
I16	PCB	PCB 70	Summer	9	ppt
I18	DDT	p,p-DDE	Summer	36	ppt
I18	PAH	2,6-dimethylnaphthalene	Summer	4	ppb
I18	PCB	PCB 149	Summer	3	ppt
I18	PCB	PCB 206	Summer	11	ppt
I18	PCB	PCB 66	Summer	4	ppt
I18	PCB	PCB 77	Summer	3	ppt
I20	Chlordane	Alpha(cis)Chlordane	Summer	22	ppt
I20	Chlordane	Gamma(trans)Chlordane	Summer	27	ppt
I20	Chlordane	Heptachlor.epoxide	Summer	37	ppt
I20	DDT	o,p-DDD	Summer	15	ppt
I20	DDT	o,p-DDE	Summer	6	ppt
I20	DDT	p,p-DDD	Summer	27	ppt
I20	DDT	p,p-DDE	Summer	70	ppt
I20	HCH	HCH, Beta isomer	Summer	18	ppt
I20	HCH	HCH, Delta isomer	Summer	69	ppt
I20	HCH	HCH, Gamma isomer	Summer	8	ppt
I20	PCB	PCB 110	Summer	6	ppt
I20	PCB	PCB 153/168	Summer	7	ppt
I20	PCB	PCB 158	Summer	8	ppt
I20	PCB	PCB 167	Summer	4	ppt
I20	PCB	PCB 177	Summer	9	ppt
I20	PCB	PCB 180	Summer	7	ppt
I20	PCB	PCB 206	Summer	14	ppt
I20	PCB	PCB 66	Summer	6	ppt
I20	PCB	PCB 70	Summer	5	ppt
I20	PCB	PCB 81	Summer	7	ppt
I20	PCB	PCB 87	Summer	5	ppt
I21	PCB	PCB 18	Summer	7	ppt

**Addendum 4-10** *continued*

Station	Class	Constituent	Season	Value	Units
I21	PCB	PCB 28	Summer	10	ppt
I22	DDT	o,p-DDE	Summer	5	ppt
I22	DDT	p,p-DDE	Summer	95	ppt
I22	DDT	p,-p-DDMU	Summer	11	ppt
I22	PCB	PCB 138	Summer	11	ppt
I22	PCB	PCB 149	Summer	6	ppt
I22	PCB	PCB 153/168	Summer	10	ppt
I22	PCB	PCB 187	Summer	4	ppt
I22	PCB	PCB 206	Summer	11	ppt
I22	PCB	PCB 66	Summer	5	ppt
I22	PCB	PCB 70	Summer	5	ppt
I23	DDT	p,p-DDE	Summer	30	ppt
I23	PCB	PCB 206	Summer	3	ppt
I27	HCH	HCH, Delta isomer	Summer	14	ppt
I27	DDT	o,p-DDE	Summer	6	ppt
I27	DDT	p,p-DDD	Summer	13	ppt
I27	DDT	p,p-DDE	Summer	87	ppt
I27	PAH	2,6-dimethylnaphthalene	Summer	4	ppb
I27	PCB	PCB 110	Summer	6	ppt
I27	PCB	PCB 138	Summer	5	ppt
I27	PCB	PCB 153/168	Summer	7	ppt
I27	PCB	PCB 201	Summer	2	ppt
I27	PCB	PCB 206	Summer	15	ppt
I27	PCB	PCB 66	Summer	6	ppt
I27	PCB	PCB 70	Summer	7	ppt
I28	DDT	o,p-DDD	Summer	84	ppt
I28	DDT	o,p-DDE	Summer	28	ppt
I28	DDT	o,p-DDT	Summer	275	ppt
I28	DDT	p,p-DDD	Summer	190	ppt
I28	DDT	p,p-DDE	Summer	1420	ppt
I28	DDT	p,-p-DDMU	Summer	31	ppt
I28	DDT	p,p-DDT	Summer	992	ppt
I28	PAH	2,6-dimethylnaphthalene	Summer	6	ppb
I28	PAH	Chrysene	Summer	3	ppb
I28	PAH	Pyrene	Summer	3	ppb
I28	PCB	PCB 101	Summer	79	ppt
I28	PCB	PCB 105	Summer	30	ppt
I28	PCB	PCB 110	Summer	78	ppt
I28	PCB	PCB 118	Summer	120	ppt
I28	PCB	PCB 128	Summer	17	ppt
I28	PCB	PCB 138	Summer	91	ppt
I28	PCB	PCB 149	Summer	72	ppt
I28	PCB	PCB 151	Summer	15	ppt
I28	PCB	PCB 153/168	Summer	65	ppt
I28	PCB	PCB 156	Summer	9	ppt
I28	PCB	PCB 158	Summer	17	ppt
I28	PCB	PCB 180	Summer	43	ppt
I28	PCB	PCB 187	Summer	26	ppt
I28	PCB	PCB 206	Summer	23	ppt
I28	PCB	PCB 44	Summer	17	ppt
I28	PCB	PCB 49	Summer	26	ppt

**Addendum 4-10** *continued*

Station	Class	Constituent	Season	Value	Units
I28	PCB	PCB 52	Summer	47	ppt
I28	PCB	PCB 66	Summer	20	ppt
I28	PCB	PCB 70	Summer	36	ppt
I28	PCB	PCB 74	Summer	10	ppt
I28	PCB	PCB 87	Summer	38	ppt
I28	PCB	PCB 99	Summer	52	ppt
I29	PCB	PCB 101	Summer	18	ppt
I29	PCB	PCB 110	Summer	21	ppt
I29	PCB	PCB 138	Summer	24	ppt
I29	PCB	PCB 149	Summer	31	ppt
I29	PCB	PCB 151	Summer	3	ppt
I29	PCB	PCB 153/168	Summer	37	ppt
I29	PCB	PCB 187	Summer	12	ppt
I29	PCB	PCB 206	Summer	17	ppt
I29	PCB	PCB 49	Summer	16	ppt
I29	PCB	PCB 52	Summer	8	ppt
I29	PCB	PCB 66	Summer	13	ppt
I29	PCB	PCB 87	Summer	6	ppt
I29	PCB	PCB 99	Summer	7	ppt
I30	PCB	PCB 101	Summer	12	ppt
I30	PCB	PCB 105	Summer	10	ppt
I30	PCB	PCB 110	Summer	16	ppt
I30	PCB	PCB 138	Summer	17	ppt
I30	PCB	PCB 149	Summer	9	ppt
I30	PCB	PCB 187	Summer	6	ppt
I30	PCB	PCB 201	Summer	9	ppt
I30	PCB	PCB 206	Summer	19	ppt
I30	PCB	PCB 66	Summer	5	ppt
I30	PCB	PCB 70	Summer	8	ppt
I31	DDT	o,p-DDE	Summer	2	ppt
I31	DDT	o,p-DDT	Summer	3	ppt
I31	DDT	p,p-DDD	Summer	5	ppt
I31	DDT	p,p-DDE	Summer	51	ppt
I31	DDT	p,p-DDT	Summer	4	ppt
I31	PCB	PCB 101	Summer	17	ppt
I31	PCB	PCB 110	Summer	13	ppt
I31	PCB	PCB 138	Summer	7	ppt
I31	PCB	PCB 149	Summer	11	ppt
I31	PCB	PCB 151	Summer	1	ppt
I31	PCB	PCB 153/168	Summer	11	ppt
I31	PCB	PCB 187	Summer	3	ppt
I31	PCB	PCB 206	Summer	12	ppt
I31	PCB	PCB 49	Summer	3	ppt
I31	PCB	PCB 52	Summer	8	ppt
I31	PCB	PCB 66	Summer	8	ppt
I31	PCB	PCB 70	Summer	9	ppt
I31	PCB	PCB 74	Summer	2	ppt
I31	PCB	PCB 87	Summer	5	ppt
I31	PCB	PCB 99	Summer	8	ppt
I33	PCB	PCB 101	Summer	13	ppt
I33	PCB	PCB 110	Summer	11	ppt

**Addendum 4-10** *continued*

<b>Station</b>	<b>Class</b>	<b>Constituent</b>	<b>Season</b>	<b>Value</b>	<b>Units</b>
I33	PCB	PCB 114	Summer	6	ppt
I33	PCB	PCB 149	Summer	17	ppt
I33	PCB	PCB 153/168	Summer	16	ppt
I33	PCB	PCB 18	Summer	9	ppt
I33	PCB	PCB 187	Summer	8	ppt
I33	PCB	PCB 206	Summer	21	ppt
I33	PCB	PCB 52	Summer	9	ppt
I33	PCB	PCB 66	Summer	11	ppt
I33	PCB	PCB 70	Summer	5	ppt
I34	PCB	PCB 18	Summer	10	ppt
I35	PCB	PCB 101	Summer	16	ppt
I35	PCB	PCB 110	Summer	22	ppt
I35	PCB	PCB 118	Summer	2	ppt
I35	PCB	PCB 138	Summer	22	ppt
I35	PCB	PCB 153/168	Summer	32	ppt
I35	PCB	PCB 206	Summer	26	ppt
I35	PCB	PCB 28	Summer	23	ppt
I35	PCB	PCB 37	Summer	11	ppt
I35	PCB	PCB 52	Summer	16	ppt
I35	PCB	PCB 66	Summer	17	ppt
I35	PCB	PCB 70	Summer	21	ppt
I35	PCB	PCB 87	Summer	10	ppt
I35	PCB	PCB 99	Summer	11	ppt



**Addendum 5**  
**Macrobenthic Communities**  
**2017 Raw Data Tables**  
**PLOO and SBOO Stations**



## Addendum 5-1

Macrofaunal community parameters by grab for PLOO benthic stations sampled during 2017. SR=species richness; Abun=abundance; H'=Shannon diversity index; J'=Pielou's evenness; Dom=Swartz dominance; BRI=benthic response index. Stations are listed north to south from top to bottom for each depth contour.

Depth Contour	Station	Survey	SR	Abun	H'	J'	Dom	BRI	
88-m	B11	winter	130	485	4.4	0.90	48	6	
		summer	149	625	4.3	0.85	48	12	
	B8	winter	59	225	3.3	0.80	15	7	
		summer	63	232	3.4	0.81	21	11	
	E19	winter	48	186	3.1	0.79	15	8	
		summer	60	294	3.0	0.73	14	20	
	E7	winter	56	193	3.4	0.85	18	14	
		summer	57	308	3.1	0.77	14	19	
	E1	winter	61	232	3.6	0.88	20	9	
		summer	76	354	3.6	0.83	23	11	
	98-m	B12	winter	88	306	4.0	0.88	32	8
			summer	86	334	3.8	0.85	26	11
		B9	winter	84	342	3.7	0.84	28	4
			summer	72	290	3.6	0.84	23	11
E26		winter	41	145	3.2	0.85	13	10	
		summer	57	237	3.4	0.84	18	12	
E25		winter	47	171	3.4	0.89	17	7	
		summer	55	288	3.2	0.80	15	11	
E23		winter	41	136	3.2	0.85	15	8	
		summer	48	241	3.4	0.88	19	16	
E20		winter	46	175	3.4	0.89	19	6	
		summer	52	185	3.4	0.86	20	17	
E17 <sup>a</sup>		winter	49	197	3.1	0.81	12	12	
		summer	47	229	3.2	0.84	16	19	
E14 <sup>a</sup>		winter	44	207	3.0	0.80	11	37	
		summer	45	232	3.2	0.83	12	37	
E11 <sup>a</sup>		winter	48	110	3.6	0.92	22	22	
		summer	67	301	3.5	0.83	19	19	
E8		winter	50	152	3.5	0.89	21	9	
		summer	65	247	3.5	0.83	21	16	
E5		winter	52	205	3.4	0.87	18	6	
		summer	64	201	3.5	0.85	22	9	
E2		winter	76	294	3.7	0.85	24	7	
		summer	70	285	3.6	0.84	23	16	

<sup>a</sup>Near-ZID station

## Addendum 5-1 *continued*

Depth Contour	Station	Survey	SR	Abun	H'	J'	Dom	BRI	
116-m	B10	winter	75	281	3.6	0.84	23	13	
		summer	77	306	3.6	0.82	21	20	
	E21	winter	35	128	3.0	0.84	13	7	
		summer	47	215	3.1	0.82	12	17	
	E15 <sup>a</sup>	winter	41	170	2.9	0.77	10	14	
		summer	67	376	3.3	0.79	15	16	
	E9	winter	78	318	3.8	0.87	25	9	
		summer	75	314	3.6	0.83	25	11	
	E3	winter	62	157	3.7	0.89	26	8	
		summer	68	201	3.7	0.88	27	20	
			<b>Mean</b>	63	252	3.4	0.84	20	13
			<b>95% CI</b>	7	29	0.1	0.01	2	2
			<b>Minimum</b>	35	110	2.8	0.73	10	4
			<b>Maximum</b>	149	625	4.4	0.92	48	37

<sup>a</sup>Near-ZID station

## Addendum 5-2

Macrofaunal community parameters by grab for SBOO benthic stations sampled during 2017. SR=species richness; Abun=abundance; H'=Shannon diversity index; J'=Pielou's evenness; Dom=Swartz dominance; BRI=benthic response index. Stations are listed north to south from top to bottom for each depth contour.

Depth Contour	Station	Survey	SR	Abun	H'	J'	Dom	BRI	
19-m	I35	winter	41	82	3.4	0.91	21	30	
		summer	73	240	3.8	0.88	27	26	
	I34	winter	52	314	3.0	0.76	13	27	
		summer	44	399	2.9	0.78	10	9	
	I31	winter	49	105	3.7	0.95	24	25	
		summer	45	112	3.3	0.87	18	22	
	I23	winter	21	36	2.8	0.94	13	29	
		summer	48	179	3.1	0.80	15	14	
	I18	winter	64	145	3.8	0.91	30	18	
		summer	41	72	3.4	0.92	24	19	
	I10	winter	65	124	3.9	0.93	35	19	
		summer	50	95	3.6	0.93	27	23	
	I4	winter	17	92	2.0	0.72	6	-4	
		summer	45	235	2.7	0.71	8	12	
	28-m	I33	winter	74	172	3.9	0.91	34	20
			summer	74	183	3.8	0.89	31	27
		I30	winter	71	150	4.0	0.94	34	24
			summer	84	390	3.2	0.71	21	27
I27		winter	53	116	3.6	0.91	25	22	
		summer	65	154	3.7	0.90	28	28	
I22		winter	71	220	3.8	0.88	27	23	
		summer	79	174	3.9	0.89	36	25	
I14 <sup>a</sup>		winter	74	212	3.5	0.82	27	23	
		summer	84	256	3.8	0.85	32	30	
I16 <sup>a</sup>		winter	70	148	3.7	0.87	34	22	
		summer	30	116	2.8	0.81	9	17	
I15 <sup>a</sup>		winter	26	153	2.0	0.62	4	7	
		summer	34	101	2.9	0.81	12	17	
I12 <sup>a</sup>		winter	78	227	3.6	0.82	28	19	
		summer	32	83	3.0	0.86	12	18	
I9		winter	100	294	4.1	0.89	38	24	
		summer	68	230	3.2	0.75	21	25	
I6		winter	36	74	3.2	0.90	18	11	
		summer	42	134	2.9	0.76	14	13	
I2		winter	30	421	1.2	0.34	1	14	
		summer	32	180	2.0	0.58	5	17	
I3		winter	29	342	1.7	0.50	3	21	
		summer	26	390	1.6	0.49	3	10	

<sup>a</sup>Near-ZID station

## Addendum 5-2 *continued*

Depth Contour	Station	Survey	SR	Abun	H'	J'	Dom	BRI	
38-m	I29	winter	35	100	3.0	0.85	14	17	
		summer	105	329	3.9	0.84	36	22	
	I21	winter	35	117	2.4	0.67	12	10	
		summer	31	60	3.0	0.88	17	8	
	I13	winter	35	79	3.2	0.90	16	12	
		summer	45	163	2.8	0.75	13	23	
	I8	winter	35	238	2.1	0.60	4	19	
		summer	43	132	3.2	0.86	16	28	
55-m	I28	winter	114	388	4.1	0.86	40	16	
		summer	91	329	3.6	0.79	27	16	
	I20	winter	97	323	4.0	0.86	32	14	
		summer	26	70	2.8	0.87	11	3	
	I7	winter	38	83	3.2	0.88	18	7	
		summer	24	37	3.1	0.97	15	15	
	I1	winter	69	266	3.6	0.85	24	15	
		summer	40	107	3.1	0.84	16	17	
	<b>Mean</b>			53	185	3.2	0.81	20	18
	<b>95% CI</b>			7	29	0.2	0.03	3	2
<b>Minimum</b>			17	36	1.2	0.34	1	-4	
<b>Maximum</b>			114	421	4.1	0.97	40	30	

**Addendum 6**  
**San Diego Regional Benthic Condition Assessment**  
**2017 Raw Data Tables**  
**San Diego Regional Benthic Stations**





## Addendum 6-1

Summary of particle size parameters (%) for each San Diego regional benthic station sampled during 2017. Visual observations are from sieved “grunge” (i.e., particles retained on 1-mm mesh screen and preserved with infauna for benthic community analysis). Gran=Granules; VCS=Very Coarse Sand; CS=Coarse Sand; MS=Medium Sand; FS=Fine Sand; VFS=Very Fine Sand; CSI=Coarse Silt; MSI=Medium Silt; FSI=Fine Silt; VFSi=Very Fine Silt.

Station	Depth (m)	Coarse Particles			Med-Coarse Sands			Fine Sands			Fine Particles			Total	Visual Observations		
		Gran	VCS	Total	CS	MS	Total	FS	VFS	Total	CSI	MSI	FSI			VFSi	Clay
<i>Inner Shelf</i>																	
8621	7	0.0	0.0	0.0	1.1	17.3	18.4	60.6	16.5	77.1	1.7	1.0	1.3	0.5	0.0	4.5	gravel, shell hash, organic debris <sup>c</sup>
8607	14	0.0	0.0	0.0	0.0	1.5	1.5	18.3	38.6	56.9	14.9	10.0	13.3	3.4	0.0	41.6	
8657	14	0.0	0.0	0.0	0.0	1.3	1.3	20.3	47.8	68.1	16.8	5.5	5.7	2.6	0.1	30.7	
8655	15	0.0	0.0	0.0	0.0	6.3	6.3	61.9	26.8	88.7	0.9	0.3	2.1	1.8	0.0	5.0	shell hash, organic debris <sup>a</sup>
8645	17	0.0	0.0	0.0	0.1	10.4	10.5	59.9	26.6	86.5	0.7	0.0	1.0	1.3	0.0	3.0	shell hash, organic debris <sup>a</sup>
8659	17	0.0	0.0	0.0	0.0	1.3	1.3	17.8	62.2	80.0	13.9	1.1	1.8	1.8	0.1	18.7	
8616	18	0.0	0.0	0.0	0.6	13.1	13.7	13.7	57.6	25.1	0.9	0.1	1.3	1.3	0.0	3.7	
8653	20	0.0	0.0	0.0	0.0	0.6	0.6	17.0	73.4	90.4	5.6	0.0	1.0	2.1	0.3	8.9	
8661	20	0.0	0.0	0.0	0.0	0.2	0.2	13.8	72.0	85.8	8.5	0.1	2.1	3.0	0.3	14.0	
8613 <sup>s</sup>	23	0.1	0.2	0.2	0.9	13.9	14.8	70.1	12.8	82.9	2.1	—	—	—	—	2.1	shell hash, organic debris <sup>a</sup>
8641	25	0.0	0.0	0.0	0.0	3.4	3.4	27.1	57.4	84.5	7.0	0.7	2.1	2.2	0.1	12.1	
8609	27	0.0	0.0	0.0	0.0	0.8	0.8	13.4	68.2	81.6	12.7	0.5	1.8	2.4	0.3	17.7	
8637 <sup>s</sup>	29	0.3	1.5	1.9	20.2	48.7	68.9	23.9	1.7	25.6	3.6	—	—	—	—	3.6	shell hash
<i>Middle Shelf</i>																	
8601	34	0.0	8.5	8.5	48.7	36.7	85.4	4.2	0.9	5.1	0.2	0.1	0.7	0.1	0.0	1.0	shell hash
8603 <sup>s</sup>	42	0.3	1.0	1.4	72.4	21.9	94.3	3.0	0.1	3.2	1.1	—	—	—	—	1.1	red relict sand, shell hash
8602 <sup>s</sup>	50	0.2	5.4	5.6	63.6	25.7	89.3	2.8	0.1	2.9	2.3	—	—	—	—	2.3	red relict sand, shell hash
8614 <sup>s</sup>	54	8.3	1.9	10.2	3.2	9.6	12.7	14.8	32.8	47.6	29.5	—	—	—	—	29.5	pea gravel, shell hash
8622	55	0.0	0.0	0.0	0.0	0.8	0.8	13.9	39.8	53.7	19.8	9.1	12.4	4.2	0.1	45.5	organic debris <sup>a</sup>
8630	58	0.0	0.0	0.0	0.0	0.2	0.2	10.1	41.0	51.1	25.9	9.2	10.3	3.2	0.0	48.6	shell hash, organic debris <sup>a</sup>
8639	67	0.0	0.0	0.0	0.0	6.3	6.3	38.8	30.0	68.8	10.2	5.3	6.4	2.9	0.1	24.9	
8628	70	0.0	0.0	0.0	0.0	0.1	0.1	5.3	38.4	43.7	32.5	10.3	10.1	3.2	0.1	56.2	shell hash, organic debris <sup>a</sup>
8610	83	0.0	0.0	0.0	0.0	1.5	1.5	16.7	39.2	55.9	21.1	8.2	9.6	3.5	0.1	42.6	organic debris <sup>a</sup>
8623	84	0.0	0.0	0.0	0.0	0.1	0.1	5.7	37.2	42.9	32.7	10.3	10.5	3.4	0.1	57.0	organic debris <sup>a</sup>
8606	86	0.0	0.0	0.0	0.0	2.0	2.0	24.1	42.8	66.9	14.5	5.1	7.1	4.1	0.3	31.1	shell hash, organic debris <sup>a</sup>
8635	93	0.0	0.0	0.0	0.0	0.1	0.1	5.5	39.4	44.9	32.2	9.6	9.8	3.3	0.1	55.0	organic debris

<sup>a</sup>Contained worm tubes; <sup>b</sup>*Spiochaetoptorus* tubes; <sup>c</sup>algae; <sup>s</sup>measured by sieve (not Horiba; silt and clay fractions are indistinguishable)

## Addendum 6-1 *continued*

Station	Depth (m)	Coarse Particles			Med-Coarse Sands			Fine Sands			Fine Particles			Total	Visual Observations		
		Gran	VCS	Total	CS	MS	Total	FS	VFS	Total	CSI	MSi	FSi			VFSi	Clay
<i>Middle Shelf</i>																	
8631 <sup>s</sup>	95	4.2	1.8	5.9	6.0	14.0	20.0	29.8	16.6	46.4	27.7	—	—	—	27.7	black sand, gravel, rock, shell hash	
8618	97	0.0	0.0	0.0	0.0	0.8	0.8	21.0	59.0	80.0	9.3	1.7	4.2	3.7	0.3	19.1	shell hash, organic debris <sup>a</sup>
8640 <sup>s</sup>	101	0.4	2.8	3.1	22.9	24.1	47.0	3.4	27.2	30.6	19.3	—	—	—	—	19.3	black sand, shell hash
8632 <sup>s</sup>	108	2.0	9.5	11.5	12.7	8.9	21.6	15.6	30.6	46.2	20.7	—	—	—	—	20.7	shell hash
<i>Outer Shelf</i>																	
8617	132	0.0	0.0	0.0	0.0	0.2	0.2	11.8	48.9	60.7	20.6	5.8	8.8	3.8	0.2	39.2	shell hash, organic debris <sup>a</sup>
8605 <sup>s</sup>	136	1.4	0.6	2.0	0.8	4.2	5.0	9.6	58.7	68.3	24.8	—	—	—	—	24.8	shell hash, organic debris
8615	151	0.0	0.0	0.0	0.0	0.7	0.7	11.3	39.0	50.3	22.5	8.9	12.5	4.8	0.3	49.0	shell hash
8611	170	0.0	0.0	0.0	0.6	13.4	14.0	32.6	19.7	52.3	12.5	8.1	8.8	4.0	0.3	33.7	shell hash, organic debris <sup>c</sup>
<i>Upper Slope</i>																	
8608	205	0.0	0.0	0.0	0.0	0.2	0.2	7.8	31.3	39.1	22.5	13.2	19.3	5.5	0.1	60.6	
8625	244	0.0	0.0	0.0	0.0	0.1	0.1	5.5	26.2	31.7	26.8	16.3	19.7	5.3	0.1	68.2	shell hash, organic debris <sup>b</sup>
8620	269	0.0	0.0	0.0	0.0	0.6	0.6	8.8	26.1	34.9	21.2	15.8	21.7	5.7	0.1	64.5	
8634	302	0.0	0.0	0.0	0.0	0.1	0.1	6.1	31.2	37.3	24.1	13.9	19.1	5.5	0.1	62.7	organic debris <sup>a,c</sup>
8629	402	0.0	0.0	0.0	0.0	0.1	0.1	3.9	16.7	20.6	21.4	22.6	29.3	6.2	0.0	79.5	
8638	407	0.0	0.0	0.0	0.0	0.2	0.2	7.8	30.3	38.1	20.2	13.5	21.5	6.4	0.2	61.8	
8626	469	0.0	0.0	0.0	0.0	0.1	0.1	5.8	19.6	25.4	18.5	20.1	29.5	6.4	0.0	74.5	

<sup>a</sup>Contained worm tubes; <sup>b</sup>*Spiochaetoptorus* tubes; <sup>c</sup>algae; <sup>s</sup>measured by sieve (not Horiba; silt and clay fractions are indistinguishable)

## Addendum 6-2

Concentrations of organic indicators detected in sediments from the 2017 San Diego regional benthic stations. See Appendix D.1 for MDLs; nd=not detected.

	Station	Depth (m)	Sulfides (ppm)	TN (% wt)	TOC (% wt)	TVS (% wt)
<i>Inner Shelf</i>	8621	7	3.62	nd	nd	0.5
	8607	14	6.25	0.021	0.12	1.4
	8657	14	3.21	0.034	0.26	1.5
	8655	15	9.95	0.026	0.16	0.6
	8645	17	3.67	nd	0.13	0.4
	8659	17	2.77	0.027	0.18	0.9
	8616	18	9.40	0.019	0.09	0.5
	8653	20	1.60	nd	0.13	0.7
	8661	20	1.76	0.030	0.21	0.9
	8613	23	2.41	nd	nd	0.5
	8641	25	2.34	0.024	0.14	0.7
	8609	27	3.76	0.023	0.15	0.7
	8637	29	2.35	0.029	0.42	0.5
	<i>Mid-Shelf</i>	8601	34	0.19	nd	nd
8603		42	0.17	0.019	0.09	0.4
8602		50	0.45	0.016	nd	0.3
8614		54	8.34	0.063	0.55	1.8
8622		55	5.10	0.059	0.51	2.5
8630		58	4.34	0.064	0.57	2.1
8639		67	149.00	0.056	0.49	1.5
8628		70	3.75	0.073	0.63	2.5
8610		83	3.04	0.060	0.54	2.0
8623		84	4.10	0.076	0.69	2.6
8606		86	2.58	0.051	0.44	1.3
8635		93	4.15	0.067	0.59	2.2
8631		95	1.23	0.080	0.81	3.0
8618		97	19.10	0.033	0.26	1.0
8640		101	4.55	0.051	0.43	1.2
8632		108	4.02	0.063	0.76	2.2
<i>Outer Shelf</i>	8617	132	3.13	0.055	0.48	1.9
	8605	136	2.23	0.059	0.50	2.4
	8615	151	5.79	0.070	0.64	2.9
	8611	170	18.10	0.052	0.65	1.2
<i>Upper Slope</i>	8608	205	8.91	0.146	1.37	5.5
	8625	244	20.40	0.147	1.37	5.2
	8620	269	5.99	0.164	1.58	5.5
	8634	302	6.83	0.165	1.59	5.5
	8629	402	15.80	0.220	2.10	6.9
	8638	407	11.70	0.147	1.41	5.3
	8626	469	5.44	0.198	1.92	6.5
Detection Rate (%)			100	88	90	100

### Addendum 6-3

Concentrations of trace metals (ppm) detected in sediments from the 2017 San Diego regional benthic stations. See Appendix D.1 for MDLs; nd=not detected; na=not available.

	Station	Depth (m)	Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe
<i>Inner Shelf</i>	8621	7	3610	nd	0.95	22.5	nd	nd	7.4	1.0	4660
	8607	14	5650	nd	1.27	33.0	nd	nd	14.6	2.8	7150
	8657	14	6850	nd	2.58	38.2	nd	nd	11.7	2.9	8100
	8655	15	3140	nd	1.50	11.1	nd	nd	5.6	0.8	3850
	8645	17	2400	0.3	1.11	11.0	nd	nd	7.5	0.2	4190
	8659	17	6530	0.9	2.09	34.6	nd	nd	11.9	1.9	8140
	8616	18	2680	nd	1.15	11.9	nd	nd	7.0	nd	4000
	8653	20	3710	nd	1.19	13.7	nd	nd	7.3	nd	3910
	8661	20	4280	nd	1.58	14.9	nd	nd	8.3	1.1	4570
	8613	23	3980	nd	1.81	25.8	nd	nd	9.0	1.4	6140
	8641	25	5570	nd	1.03	29.3	nd	nd	13.5	2.3	6290
	8609	27	5090	nd	1.33	22.3	nd	nd	11.9	2.1	5260
	8637	29	3050	nd	2.75	46.9	nd	nd	9.4	nd	6980
<i>Mid-Shelf</i>	8601	34	3210	nd	0.91	14.1	nd	nd	8.9	0.8	3740
	8603	42	1030	nd	8.72	2.8	nd	nd	9.2	nd	7090
	8602	50	972	nd	3.63	2.0	nd	nd	5.5	nd	4610
	8614	54	8180	0.4	2.02	42.3	nd	nd	19.5	8.2	11,100
	8622	55	8780	1.0	2.19	48.5	nd	nd	27.1	10.6	11,900
	8630	58	8960	1.1	2.60	45.8	nd	nd	25.6	7.5	11,900
	8639	67	8520	1.2	1.96	61.5	nd	nd	23.8	7.9	12,300
	8628	70	9440	1.1	2.65	45.9	nd	nd	29.8	9.7	13,000
	8610	83	7540	1.0	1.89	38.1	nd	nd	21.8	8.5	10,400
	8623	84	10,000	1.0	2.40	50.2	nd	nd	29.1	9.9	13,800
	8606	86	5560	nd	1.35	23.5	nd	nd	14.7	4.5	7640
	8635	93	9520	1.1	1.50	43.6	nd	nd	28.3	8.2	12,900
	8631	95	8920	2.0	6.17	31.7	nd	nd	26.0	2.8	26,300
	8618	97	3770	nd	1.40	14.6	nd	nd	11.1	3.7	5850
	8640	101	4700	nd	1.96	26.7	nd	nd	13.5	2.7	7760
8632	108	6280	1.3	3.93	23.6	nd	nd	15.8	2.7	13,600	
<i>Outer Shelf</i>	8617	132	6850	0.9	1.43	27.0	nd	nd	20.4	6.5	10,300
	8605	136	6220	1.1	1.42	25.6	nd	nd	18.2	4.8	11,000
	8615	151	9960	1.2	1.45	45.8	nd	nd	30.5	14.9	14,400
	8611	170	8810	1.0	1.16	60.3	nd	nd	22.5	23.2	13,700
	<i>Upper Slope</i>	8608	205	13,200	2.1	1.92	66.7	nd	nd	45.7	21.1
8625		244	13,300	1.4	2.14	64.8	nd	nd	43.2	19.1	16,500
8620		269	12,900	1.5	1.90	66.0	nd	nd	45.5	20.8	16,200
8634		302	13,700	1.8	1.62	66.6	nd	nd	48.3	20.0	17,200
8629		402	17,100	2.1	3.30	103.0	nd	0.35	33.5	15.0	20,100
8638		407	12,500	1.7	1.16	75.2	nd	0.14	48.9	19.0	17,000
8626		469	15,700	2.1	2.93	105.0	nd	0.39	31.7	14.2	19,100
Detection Rate (%)			100	58	100	100	0	8	100	88	100
ERL <sup>a</sup> :			na	na	8.2	na	na	1.2	81	34	na
ERM <sup>a</sup> :			na	na	70.0	na	na	9.6	370	270	na

<sup>a</sup>From Long et al. 1995

**Addendum 6-3** *continued*

	Station	Depth (m)	Pb	Mn	Hg	Ni	Se	Ag	Tl	Sn	Zn
<i>Inner Shelf</i>	8621	7	1.0	50.3	nd	1.5	nd	nd	nd	nd	12.2
	8607	14	1.9	69.9	0.004	2.8	nd	nd	nd	nd	16.5
	8657	14	2.4	80.5	0.006	4.2	nd	nd	nd	0.5	20.7
	8655	15	1.6	45.1	0.012	1.2	nd	nd	nd	nd	9.3
	8645	17	2.1	50.3	0.006	0.9	nd	nd	nd	0.3	8.8
	8659	17	1.8	83.0	nd	3.5	nd	nd	nd	nd	18.1
	8616	18	1.8	46.3	0.004	1.1	nd	nd	nd	nd	8.1
	8653	20	1.3	50.3	nd	1.4	nd	nd	nd	nd	8.8
	8661	20	1.7	53.8	0.004	1.9	0.08	nd	nd	nd	11.0
	8613	23	2.3	58.0	0.005	1.5	nd	nd	nd	nd	14.0
	8641	25	1.5	65.5	0.004	2.6	nd	nd	nd	nd	15.3
	8609	27	1.6	52.3	0.007	2.4	nd	nd	nd	nd	12.8
	8637	29	2.3	90.5	nd	1.3	nd	nd	nd	nd	19.7
<i>Mid-Shelf</i>	8601	34	1.1	57.3	nd	1.2	nd	nd	nd	nd	7.7
	8603	42	2.6	14.4	nd	0.6	nd	nd	nd	nd	5.8
	8602	50	1.5	11.3	nd	0.4	nd	nd	nd	nd	4.5
	8614	54	5.4	106.0	0.029	4.7	nd	nd	nd	0.7	29.4
	8622	55	4.5	119.0	0.050	5.7	nd	nd	nd	1.0	32.9
	8630	58	4.3	108.0	0.028	5.6	0.19	nd	nd	0.8	32.8
	8639	67	2.6	132.0	0.008	4.9	0.24	nd	nd	0.5	34.6
	8628	70	5.0	111.0	0.034	6.6	0.12	nd	nd	1.0	31.7
	8610	83	5.0	85.3	0.041	5.6	nd	nd	nd	0.8	26.7
	8623	84	4.9	111.0	0.039	7.2	nd	nd	nd	1.0	34.4
	8606	86	3.2	63.7	0.028	4.6	nd	nd	nd	0.5	18.5
	8635	93	4.0	105.0	0.027	6.8	0.26	nd	nd	0.8	31.2
	8631	95	4.8	99.9	0.026	5.7	0.50	nd	nd	0.8	42.9
	8618	97	1.7	50.2	0.008	3.4	nd	nd	nd	nd	14.5
	8640	101	2.6	65.1	0.012	3.7	0.20	nd	nd	0.4	18.7
8632	108	2.2	70.3	0.014	3.9	0.27	nd	nd	0.5	26.7	
<i>Outer Shelf</i>	8617	132	3.2	75.2	0.028	5.2	nd	nd	nd	0.5	24.5
	8605	136	2.6	63.3	0.018	4.7	0.30	nd	nd	0.6	25.1
	8615	151	5.2	100.0	0.069	7.1	nd	nd	nd	0.9	37.9
	8611	170	6.6	112.0	0.038	4.2	nd	nd	nd	0.6	39.4
<i>Upper Slope</i>	8608	205	4.9	124.0	0.057	13.2	0.43	nd	nd	1.1	46.0
	8625	244	5.0	130.0	0.059	12.5	0.46	nd	nd	1.0	45.7
	8620	269	4.5	121.0	0.059	13.4	0.50	nd	nd	1.0	45.5
	8634	302	5.8	130.0	0.051	12.6	0.45	nd	nd	1.1	48.0
	8629	402	5.5	158.0	0.065	17.7	1.18	nd	nd	1.2	60.5
	8638	407	4.3	124.0	0.039	12.5	0.62	nd	nd	0.9	48.4
	8626	469	5.2	145.0	0.018	16.4	1.14	nd	nd	1.1	56.8
Detection Rate (%)			100	100	83	100	40	0	0	63	100
ERL <sup>a</sup> :			46.7	na	0.15	20.9	na	1.0	na	na	150
ERM <sup>a</sup> :			218.0	na	0.71	51.6	na	3.7	na	na	410

<sup>a</sup>From Long et al. 1995

## Addendum 6-4

Concentrations of pesticides (ppt), total PCB (ppt), and total PAH (ppb) detected in sediments from the 2017 San Diego regional benthic stations. See Appendix D.1 for MDLs and Addendum 6-5 for values of individual constituents; tChlor=total chlordane; Alpha-Endo=alpha-endosulfan; nd=not detected; nr=not reportable; na=not available.

	Station	Depth (m)	tChlor	tDDT	Dieldrin	Alpha-Endo	HCB	tHCH	tPCB	tPAH
<i>Inner Shelf</i>	8621	7	nd	44	nd	nd	37	nd	38	nr
	8607	14	nd	412	nd	nd	92	56	132	7
	8657	14	44	3099	nd	nd	61	nd	167	nr
	8655	15	39	37	nd	nd	nd	nd	53	nr
	8645	17	nd	11	nd	nd	1	nd	57	40
	8659	17	nd	69	nd	nd	31	nd	81	nr
	8616	18	14	39	nd	nd	11	17	339	nd
	8653	20	nd	46	nd	nd	34	nd	6	nr
	8661	20	39	23	nd	nd	40	10	100	nr
	8613	23	nd	23	nd	nd	37	39	487	nr
	8641	25	98	119	nd	nd	9	238	67	nr
	8609	27	141	261	142	nd	125	327	33	nd
8637	29	nr	nr	nr	nr	nr	nr	7	nr	
<i>Mid-Shelf</i>	8601	34	nd	22	nd	nd	nd	nd	16	nr
	8603	42	nd	53	nd	nd	nd	18	332	nr
	8602	50	145	179	nd	nd	56	53	60	nr
	8614	54	57	2835	nd	nd	17	10	1093	53
	8622	55	58	699	nd	nd	3670	nd	2508	nr
	8630	58	nr	nr	nr	nr	nr	nr	678	nr
	8639	67	14	359	nd	54.2	33	nd	95	nr
	8628	70	11	512	nd	nd	63	12	627	nr
	8610	83	57	820	nd	nd	1	15	1751	63
	8623	84	11	505	nd	nd	37	12	487	nr
	8606	86	3	500	nd	nd	nd	20	1814	nr
	8635	93	nd	396	nd	nd	6	nd	329	nr
	8631	95	nd	476	nd	nd	26	16	322	761
	8618	97	44	209	nd	nd	48	78	172	nr
	8640	101	32	203	nd	nd	nd	139	42	nr
8632	108	4	263	nd	nd	156	10	545	30	
<i>Outer Shelf</i>	8617	132	nd	462	nd	nd	13	13	866	43
	8605	136	15	357	nd	nd	47	91	520	nr
	8615	151	138	561	nd	nd	27	13	16,413	215
	8611	170	1511	797	nd	nd	25	57	4104	564
<i>Upper Slope</i>	8608	205	11	349	nd	nd	29	24	499	nr
	8625	244	nd	379	nd	nd	12	124	516	52
	8620	269	18	409	nd	nd	15	196	180	28
	8634	302	nr	nr	nr	nr	nr	nr	294	nr
	8629	402	25	544	nd	nd	44	36	304	32
	8638	407	nr	nr	nr	nr	nr	nr	63	nr
	8626	469	nd	502	nd	nd	22	36	257	35
	Detection Rate (%)		64	100	3	3	86	72	100	87
		ERL <sup>a</sup> :	na	1580	na	na	na	na	na	4022
		ERM <sup>a</sup> :	na	46,100	na	na	na	na	na	44,792

<sup>a</sup> From Long et al. 1995

## Addendum 6-5

Summary of the constituents that make up total chlordane, total DDT, total HCH, total PCB, and total PAH in sediments from the 2017 San Diego regional benthic stations.

Station	Class	Constituent	Value	Units
8601	DDT	o,p-DDE	2	ppt
8601	DDT	p,p-DDE	20	ppt
8601	PCB	PCB 206	11	ppt
8601	PCB	PCB 66	5	ppt
8602	Chlordane	Alpha(cis)Chlordane	9	ppt
8602	Chlordane	Gamma(trans)Chlordane	82	ppt
8602	Chlordane	Heptachlor epoxide	55	ppt
8602	DDT	o,p-DDT	14	ppt
8602	DDT	p,p-DDD	23	ppt
8602	DDT	p,p-DDE	73	ppt
8602	DDT	p,p-DDT	69	ppt
8602	HCH	HCH, Beta isomer	32	ppt
8602	HCH	HCH, Delta isomer	22	ppt
8602	PCB	PCB 153/168	16	ppt
8602	PCB	PCB 187	16	ppt
8602	PCB	PCB 206	29	ppt
8603	DDT	o,p-DDE	2	ppt
8603	DDT	p,p-DDD	12	ppt
8603	DDT	p,p-DDE	39	ppt
8603	HCH	HCH, Alpha isomer	1	ppt
8603	HCH	HCH, Beta isomer	17	ppt
8603	PCB	PCB 101	56	ppt
8603	PCB	PCB 105	3	ppt
8603	PCB	PCB 110	44	ppt
8603	PCB	PCB 118	27	ppt
8603	PCB	PCB 138	16	ppt
8603	PCB	PCB 149	17	ppt
8603	PCB	PCB 153/168	12	ppt
8603	PCB	PCB 206	12	ppt
8603	PCB	PCB 52	46	ppt
8603	PCB	PCB 66	10	ppt
8603	PCB	PCB 70	30	ppt
8603	PCB	PCB 74	10	ppt
8603	PCB	PCB 87	23	ppt
8603	PCB	PCB 99	26	ppt
8605	Chlordane	Heptachlor epoxide	15	ppt
8605	DDT	o,p-DDD	20	ppt
8605	DDT	o,p-DDE	18	ppt
8605	DDT	p,p-DDD	37	ppt
8605	DDT	p,p-DDE	260	ppt
8605	DDT	p,p-DDT	23	ppt
8605	HCH	HCH, Alpha isomer	8	ppt
8605	HCH	HCH, Beta isomer	49	ppt
8605	HCH	HCH, Delta isomer	34	ppt
8605	PCB	PCB 101	36	ppt
8605	PCB	PCB 110	39	ppt
8605	PCB	PCB 118	46	ppt
8605	PCB	PCB 138	49	ppt
8605	PCB	PCB 149	53	ppt
8605	PCB	PCB 153/168	63	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8605	PCB	PCB 18	19	ppt
8605	PCB	PCB 180	9	ppt
8605	PCB	PCB 206	28	ppt
8605	PCB	PCB 28	27	ppt
8605	PCB	PCB 37	11	ppt
8605	PCB	PCB 49	22	ppt
8605	PCB	PCB 52	20	ppt
8605	PCB	PCB 66	26	ppt
8605	PCB	PCB 70	25	ppt
8605	PCB	PCB 74	11	ppt
8605	PCB	PCB 99	36	ppt
8606	Chlordane	Oxychlordane	3	ppt
8606	DDT	p,p-DDD	43	ppt
8606	DDT	p,p-DDE	410	ppt
8606	DDT	p,p-DDT	47	ppt
8606	HCH	HCH, Beta isomer	20	ppt
8606	PCB	PCB 101	150	ppt
8606	PCB	PCB 105	62	ppt
8606	PCB	PCB 110	170	ppt
8606	PCB	PCB 118	130	ppt
8606	PCB	PCB 128	24	ppt
8606	PCB	PCB 138	180	ppt
8606	PCB	PCB 149	150	ppt
8606	PCB	PCB 151	49	ppt
8606	PCB	PCB 153/168	200	ppt
8606	PCB	PCB 156	17	ppt
8606	PCB	PCB 158	18	ppt
8606	PCB	PCB 170	42	ppt
8606	PCB	PCB 177	21	ppt
8606	PCB	PCB 18	21	ppt
8606	PCB	PCB 180	77	ppt
8606	PCB	PCB 183	16	ppt
8606	PCB	PCB 187	65	ppt
8606	PCB	PCB 194	25	ppt
8606	PCB	PCB 206	30	ppt
8606	PCB	PCB 28	23	ppt
8606	PCB	PCB 44	29	ppt
8606	PCB	PCB 52	88	ppt
8606	PCB	PCB 66	37	ppt
8606	PCB	PCB 70	57	ppt
8606	PCB	PCB 87	70	ppt
8606	PCB	PCB 99	65	ppt
8607	DDT	o,p-DDE	12	ppt
8607	DDT	o,p-DDT	19	ppt
8607	DDT	p,p-DDD	45	ppt
8607	DDT	p,p-DDE	286	ppt
8607	DDT	p,p-DDT	50	ppt
8607	HCH	HCH, Alpha isomer	9	ppt
8607	HCH	HCH, Beta isomer	33	ppt
8607	HCH	HCH, Delta isomer	14	ppt
8607	PAH	2,6-dimethylnaphthalene	7	ppb
8607	PCB	PCB 105	12	ppt
8607	PCB	PCB 138	13	ppt



**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8607	PCB	PCB 149	24	ppt
8607	PCB	PCB 180	12	ppt
8607	PCB	PCB 183	7	ppt
8607	PCB	PCB 206	19	ppt
8607	PCB	PCB 66	16	ppt
8607	PCB	PCB 70	11	ppt
8607	PCB	PCB 99	18	ppt
8608	Chlordane	Alpha(cis)Chlordane	11	ppt
8608	DDT	o,p-DDE	20	ppt
8608	DDT	p,p-DDD	56	ppt
8608	DDT	p,p-DDE	233	ppt
8608	DDT	p,-p-DDMU	40	ppt
8608	HCH	HCH, Beta isomer	24	ppt
8608	PCB	PCB 101	41	ppt
8608	PCB	PCB 110	52	ppt
8608	PCB	PCB 118	65	ppt
8608	PCB	PCB 138	53	ppt
8608	PCB	PCB 149	54	ppt
8608	PCB	PCB 153/168	52	ppt
8608	PCB	PCB 180	28	ppt
8608	PCB	PCB 206	27	ppt
8608	PCB	PCB 28	16	ppt
8608	PCB	PCB 37	10	ppt
8608	PCB	PCB 49	16	ppt
8608	PCB	PCB 52	24	ppt
8608	PCB	PCB 66	22	ppt
8608	PCB	PCB 70	25	ppt
8608	PCB	PCB 74	14	ppt
8609	Chlordane	Alpha(cis)Chlordane	66	ppt
8609	Chlordane	Gamma(trans)Chlordane	52	ppt
8609	Chlordane	Heptachlor epoxide	23	ppt
8609	DDT	p,p-DDD	39	ppt
8609	DDT	p,p-DDE	222	ppt
8609	HCH	HCH, Alpha isomer	19	ppt
8609	HCH	HCH, Beta isomer	204	ppt
8609	HCH	HCH, Delta isomer	104	ppt
8609	PCB	PCB 101	9	ppt
8609	PCB	PCB 153/168	7	ppt
8609	PCB	PCB 180	10	ppt
8609	PCB	PCB 66	7	ppt
8610	Chlordane	Alpha(cis)Chlordane	41	ppt
8610	Chlordane	Gamma(trans)Chlordane	16	ppt
8610	DDT	o,p-DDD	35	ppt
8610	DDT	o,p-DDE	21	ppt
8610	DDT	p,p-DDD	134	ppt
8610	DDT	p,p-DDE	477	ppt
8610	DDT	p,-p-DDMU	54	ppt
8610	DDT	p,p-DDT	99	ppt
8610	HCH	HCH, Beta isomer	15	ppt
8610	PAH	2,6-dimethylnaphthalene	10	ppb
8610	PAH	3,4-benzo(B)fluoranthene	13	ppb
8610	PAH	Benzo[A]pyrene	11	ppb

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8610	PAH	Benzo[e]pyrene	8	ppb
8610	PAH	Fluoranthene	10	ppb
8610	PAH	Pyrene	12	ppb
8610	PCB	PCB 101	130	ppt
8610	PCB	PCB 105	64	ppt
8610	PCB	PCB 110	160	ppt
8610	PCB	PCB 118	150	ppt
8610	PCB	PCB 138	170	ppt
8610	PCB	PCB 149	130	ppt
8610	PCB	PCB 151	36	ppt
8610	PCB	PCB 153/168	200	ppt
8610	PCB	PCB 18	20	ppt
8610	PCB	PCB 180	130	ppt
8610	PCB	PCB 187	80	ppt
8610	PCB	PCB 206	52	ppt
8610	PCB	PCB 28	25	ppt
8610	PCB	PCB 37	14	ppt
8610	PCB	PCB 49	39	ppt
8610	PCB	PCB 52	70	ppt
8610	PCB	PCB 66	56	ppt
8610	PCB	PCB 70	55	ppt
8610	PCB	PCB 74	25	ppt
8610	PCB	PCB 87	59	ppt
8610	PCB	PCB 99	87	ppt
8611	Chlordane	Alpha(cis)Chlordane	529	ppt
8611	Chlordane	CisNonachlor	177	ppt
8611	Chlordane	Gamma(trans)Chlordane	464	ppt
8611	Chlordane	TransNonachlor	341	ppt
8611	DDT	o,p-DDD	66	ppt
8611	DDT	o,p-DDE	22	ppt
8611	DDT	p,p-DDD	267	ppt
8611	DDT	p,p-DDE	392	ppt
8611	DDT	p,p-DDT	50	ppt
8611	HCH	HCH, Beta isomer	14	ppt
8611	HCH	HCH, Delta isomer	42	ppt
8611	PAH	3,4-benzo(B)fluoranthene	90	ppb
8611	PAH	Acenaphthylene	7	ppb
8611	PAH	Anthracene	20	ppb
8611	PAH	Benzo[A]anthracene	38	ppb
8611	PAH	Benzo[A]pyrene	65	ppb
8611	PAH	Benzo[e]pyrene	42	ppb
8611	PAH	Benzo[G,H,I]perylene	34	ppb
8611	PAH	Benzo[K]fluoranthene	37	ppb
8611	PAH	Chrysene	40	ppb
8611	PAH	Fluoranthene	66	ppb
8611	PAH	Indeno(1,2,3-CD)pyrene	29	ppb
8611	PAH	Perylene	16	ppb
8611	PAH	Phenanthrene	22	ppb
8611	PAH	Pyrene	60	ppb
8611	PCB	PCB 101	300	ppt
8611	PCB	PCB 105	120	ppt
8611	PCB	PCB 110	290	ppt
8611	PCB	PCB 118	280	ppt
8611	PCB	PCB 119	19	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8611	PCB	PCB 123	38	ppt
8611	PCB	PCB 128	78	ppt
8611	PCB	PCB 138	320	ppt
8611	PCB	PCB 149	280	ppt
8611	PCB	PCB 151	68	ppt
8611	PCB	PCB 153/168	410	ppt
8611	PCB	PCB 156	56	ppt
8611	PCB	PCB 158	50	ppt
8611	PCB	PCB 170	85	ppt
8611	PCB	PCB 18	51	ppt
8611	PCB	PCB 180	170	ppt
8611	PCB	PCB 183	49	ppt
8611	PCB	PCB 187	130	ppt
8611	PCB	PCB 194	54	ppt
8611	PCB	PCB 201	9	ppt
8611	PCB	PCB 206	49	ppt
8611	PCB	PCB 28	82	ppt
8611	PCB	PCB 37	27	ppt
8611	PCB	PCB 44	110	ppt
8611	PCB	PCB 49	140	ppt
8611	PCB	PCB 52	190	ppt
8611	PCB	PCB 66	160	ppt
8611	PCB	PCB 70	150	ppt
8611	PCB	PCB 74	59	ppt
8611	PCB	PCB 87	110	ppt
8611	PCB	PCB 99	170	ppt
8613	DDT	o,p-DDE	1	ppt
8613	DDT	p,p-DDD	6	ppt
8613	DDT	p,p-DDE	17	ppt
8613	HCH	HCH, Beta isomer	35	ppt
8613	HCH	HCH, Delta isomer	5	ppt
8613	PCB	PCB 101	18	ppt
8613	PCB	PCB 110	8	ppt
8613	PCB	PCB 177	1	ppt
8613	PCB	PCB 18	45	ppt
8613	PCB	PCB 206	12	ppt
8613	PCB	PCB 28	82	ppt
8613	PCB	PCB 37	23	ppt
8613	PCB	PCB 44	59	ppt
8613	PCB	PCB 49	46	ppt
8613	PCB	PCB 52	69	ppt
8613	PCB	PCB 66	39	ppt
8613	PCB	PCB 70	52	ppt
8613	PCB	PCB 74	32	ppt
8614	Chlordane	Alpha(cis)Chlordane	17	ppt
8614	Chlordane	Gamma(trans)Chlordane	40	ppt
8614	DDT	o,p-DDD	25	ppt
8614	DDT	o,p-DDE	19	ppt
8614	DDT	p,p-DDD	275	ppt
8614	DDT	p,p-DDE	267	ppt
8614	DDT	p,-p-DDMU	49	ppt
8614	DDT	p,p-DDT	2200	ppt
8614	HCH	HCH, Beta isomer	10	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8614	PAH	2,6-dimethylnaphthalene	13	ppb
8614	PAH	3,4-benzo(B)fluoranthene	10	ppb
8614	PAH	Benzo[A]pyrene	7	ppb
8614	PAH	Benzo[G,H,I]perylene	8	ppb
8614	PAH	Fluoranthene	6	ppb
8614	PAH	Pyrene	8	ppb
8614	PCB	PCB 101	85	ppt
8614	PCB	PCB 105	32	ppt
8614	PCB	PCB 110	81	ppt
8614	PCB	PCB 118	65	ppt
8614	PCB	PCB 138	68	ppt
8614	PCB	PCB 149	70	ppt
8614	PCB	PCB 151	15	ppt
8614	PCB	PCB 153/168	105	ppt
8614	PCB	PCB 167	14	ppt
8614	PCB	PCB 177	15	ppt
8614	PCB	PCB 18	17	ppt
8614	PCB	PCB 180	48	ppt
8614	PCB	PCB 183	15	ppt
8614	PCB	PCB 187	41	ppt
8614	PCB	PCB 194	29	ppt
8614	PCB	PCB 206	55	ppt
8614	PCB	PCB 28	34	ppt
8614	PCB	PCB 37	12	ppt
8614	PCB	PCB 44	28	ppt
8614	PCB	PCB 49	37	ppt
8614	PCB	PCB 52	45	ppt
8614	PCB	PCB 66	42	ppt
8614	PCB	PCB 70	45	ppt
8614	PCB	PCB 74	17	ppt
8614	PCB	PCB 87	26	ppt
8614	PCB	PCB 99	53	ppt
8615	Chlordane	Alpha(cis)Chlordane	32	ppt
8615	Chlordane	CisNonachlor	22	ppt
8615	Chlordane	Gamma(trans)Chlordane	45	ppt
8615	Chlordane	TransNonachlor	40	ppt
8615	DDT	o,p-DDD	33	ppt
8615	DDT	o,p-DDE	23	ppt
8615	DDT	p,p-DDD	106	ppt
8615	DDT	p,p-DDE	298	ppt
8615	DDT	p,-p-DDMU	58	ppt
8615	DDT	p,p-DDT	44	ppt
8615	HCH	HCH, Beta isomer	13	ppt
8615	PAH	2,6-dimethylnaphthalene	10	ppb
8615	PAH	3,4-benzo(B)fluoranthene	36	ppb
8615	PAH	Anthracene	8	ppb
8615	PAH	Benzo[A]pyrene	25	ppb
8615	PAH	Benzo[e]pyrene	20	ppb
8615	PAH	Benzo[G,H,I]perylene	24	ppb
8615	PAH	Benzo[K]fluoranthene	11	ppb
8615	PAH	Chrysene	27	ppb
8615	PAH	Fluoranthene	13	ppb
8615	PAH	Indeno(1,2,3-CD)pyrene	16	ppb
8615	PAH	Phenanthrene	8	ppb

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8615	PAH	Pyrene	17	ppb
8615	PCB	PCB 101	1800	ppt
8615	PCB	PCB 105	620	ppt
8615	PCB	PCB 110	1900	ppt
8615	PCB	PCB 118	1500	ppt
8615	PCB	PCB 119	90	ppt
8615	PCB	PCB 123	140	ppt
8615	PCB	PCB 128	400	ppt
8615	PCB	PCB 138	1400	ppt
8615	PCB	PCB 149	990	ppt
8615	PCB	PCB 151	230	ppt
8615	PCB	PCB 153/168	1300	ppt
8615	PCB	PCB 156	210	ppt
8615	PCB	PCB 157	62	ppt
8615	PCB	PCB 158	220	ppt
8615	PCB	PCB 167	98	ppt
8615	PCB	PCB 170	230	ppt
8615	PCB	PCB 177	91	ppt
8615	PCB	PCB 18	46	ppt
8615	PCB	PCB 180	400	ppt
8615	PCB	PCB 183	85	ppt
8615	PCB	PCB 187	210	ppt
8615	PCB	PCB 194	77	ppt
8615	PCB	PCB 206	84	ppt
8615	PCB	PCB 28	50	ppt
8615	PCB	PCB 37	19	ppt
8615	PCB	PCB 44	420	ppt
8615	PCB	PCB 49	220	ppt
8615	PCB	PCB 52	990	ppt
8615	PCB	PCB 66	210	ppt
8615	PCB	PCB 70	630	ppt
8615	PCB	PCB 74	150	ppt
8615	PCB	PCB 77	30	ppt
8615	PCB	PCB 87	860	ppt
8615	PCB	PCB 99	650	ppt
8616	Chlordane	Alpha(cis)Chlordane	14	ppt
8616	DDT	o,p-DDE	5	ppt
8616	DDT	p,p-DDD	8	ppt
8616	DDT	p,p-DDE	25	ppt
8616	DDT	p,-p-DDMU	1	ppt
8616	HCH	HCH, Beta isomer	10	ppt
8616	HCH	HCH, Delta isomer	7	ppt
8616	PCB	PCB 101	11	ppt
8616	PCB	PCB 138	8	ppt
8616	PCB	PCB 153/168	10	ppt
8616	PCB	PCB 18	79	ppt
8616	PCB	PCB 187	4	ppt
8616	PCB	PCB 206	17	ppt
8616	PCB	PCB 28	73	ppt
8616	PCB	PCB 37	21	ppt
8616	PCB	PCB 52	36	ppt
8616	PCB	PCB 66	30	ppt
8616	PCB	PCB 70	30	ppt
8616	PCB	PCB 74	15	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8616	PCB	PCB 99	5	ppt
8617	DDT	o,p-DDD	19	ppt
8617	DDT	o,p-DDE	18	ppt
8617	DDT	p,p-DDD	51	ppt
8617	DDT	p,p-DDE	305	ppt
8617	DDT	p,-p-DDMU	31	ppt
8617	DDT	p,p-DDT	38	ppt
8617	HCH	HCH, Beta isomer	13	ppt
8617	PAH	2,6-dimethylnaphthalene	10	ppb
8617	PAH	3,4-benzo(B)fluoranthene	11	ppb
8617	PAH	Benzo[A]pyrene	8	ppb
8617	PAH	Benzo[e]pyrene	8	ppb
8617	PAH	Pyrene	7	ppb
8617	PCB	PCB 101	59	ppt
8617	PCB	PCB 105	32	ppt
8617	PCB	PCB 110	60	ppt
8617	PCB	PCB 118	69	ppt
8617	PCB	PCB 138	68	ppt
8617	PCB	PCB 149	67	ppt
8617	PCB	PCB 151	6	ppt
8617	PCB	PCB 153/168	96	ppt
8617	PCB	PCB 18	10	ppt
8617	PCB	PCB 180	59	ppt
8617	PCB	PCB 187	46	ppt
8617	PCB	PCB 194	24	ppt
8617	PCB	PCB 206	44	ppt
8617	PCB	PCB 28	20	ppt
8617	PCB	PCB 37	9	ppt
8617	PCB	PCB 44	22	ppt
8617	PCB	PCB 49	24	ppt
8617	PCB	PCB 52	26	ppt
8617	PCB	PCB 66	28	ppt
8617	PCB	PCB 70	30	ppt
8617	PCB	PCB 74	18	ppt
8617	PCB	PCB 99	52	ppt
8618	Chlordane	Gamma(trans)Chlordane	44	ppt
8618	DDT	o,p-DDD	11	ppt
8618	DDT	o,p-DDE	10	ppt
8618	DDT	p,p-DDD	11	ppt
8618	DDT	p,p-DDE	151	ppt
8618	DDT	p,-p-DDMU	26	ppt
8618	HCH	HCH, Beta isomer	61	ppt
8618	HCH	HCH, Delta isomer	17	ppt
8618	PCB	PCB 110	12	ppt
8618	PCB	PCB 118	18	ppt
8618	PCB	PCB 153/168	22	ppt
8618	PCB	PCB 18	32	ppt
8618	PCB	PCB 28	22	ppt
8618	PCB	PCB 49	11	ppt
8618	PCB	PCB 52	20	ppt
8618	PCB	PCB 66	17	ppt
8618	PCB	PCB 70	19	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8620	Chlordane	Heptachlor epoxide	18	ppt
8620	DDT	o,p-DDE	24	ppt
8620	DDT	p,p-DDD	79	ppt
8620	DDT	p,p-DDE	265	ppt
8620	DDT	p,p-DDT	41	ppt
8620	HCH	HCH, Beta isomer	95	ppt
8620	HCH	HCH, Delta isomer	101	ppt
8620	PAH	Benzo[A]pyrene	8	ppb
8620	PAH	Fluoranthene	10	ppb
8620	PAH	Pyrene	10	ppb
8620	PCB	PCB 149	24	ppt
8620	PCB	PCB 18	14	ppt
8620	PCB	PCB 187	18	ppt
8620	PCB	PCB 206	26	ppt
8620	PCB	PCB 28	16	ppt
8620	PCB	PCB 37	12	ppt
8620	PCB	PCB 49	13	ppt
8620	PCB	PCB 52	18	ppt
8620	PCB	PCB 66	16	ppt
8620	PCB	PCB 70	13	ppt
8620	PCB	PCB 74	10	ppt
8621	DDT	o,p-DDE	3	ppt
8621	DDT	p,p-DDE	40	ppt
8621	PCB	PCB 149	4	ppt
8621	PCB	PCB 180	6	ppt
8621	PCB	PCB 206	22	ppt
8621	PCB	PCB 66	6	ppt
8622	Chlordane	Alpha(cis)Chlordane	31	ppt
8622	Chlordane	Gamma(trans)Chlordane	28	ppt
8622	DDT	o,p-DDD	25	ppt
8622	DDT	o,p-DDE	22	ppt
8622	DDT	p,p-DDD	111	ppt
8622	DDT	p,p-DDE	374	ppt
8622	DDT	p,-p-DDMU	44	ppt
8622	DDT	p,p-DDT	123	ppt
8622	PCB	PCB 101	180	ppt
8622	PCB	PCB 105	85	ppt
8622	PCB	PCB 110	210	ppt
8622	PCB	PCB 118	190	ppt
8622	PCB	PCB 128	77	ppt
8622	PCB	PCB 138	240	ppt
8622	PCB	PCB 149	190	ppt
8622	PCB	PCB 151	43	ppt
8622	PCB	PCB 153/168	290	ppt
8622	PCB	PCB 156	26	ppt
8622	PCB	PCB 167	22	ppt
8622	PCB	PCB 170	83	ppt
8622	PCB	PCB 177	44	ppt
8622	PCB	PCB 18	31	ppt
8622	PCB	PCB 180	170	ppt
8622	PCB	PCB 183	47	ppt
8622	PCB	PCB 187	91	ppt
8622	PCB	PCB 194	54	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8622	PCB	PCB 206	38	ppt
8622	PCB	PCB 37	20	ppt
8622	PCB	PCB 49	36	ppt
8622	PCB	PCB 52	56	ppt
8622	PCB	PCB 66	63	ppt
8622	PCB	PCB 70	56	ppt
8622	PCB	PCB 87	78	ppt
8622	PCB	PCB 99	89	ppt
8623	Chlordane	Alpha(cis)Chlordane	11	ppt
8623	DDT	o,p-DDE	20	ppt
8623	DDT	o,p-DDT	18	ppt
8623	DDT	p,p-DDD	55	ppt
8623	DDT	p,p-DDE	324	ppt
8623	DDT	p,-p-DDMU	20	ppt
8623	DDT	p,p-DDT	68	ppt
8623	HCH	HCH, Beta isomer	12	ppt
8623	PCB	PCB 101	41	ppt
8623	PCB	PCB 105	26	ppt
8623	PCB	PCB 110	44	ppt
8623	PCB	PCB 128	14	ppt
8623	PCB	PCB 149	43	ppt
8623	PCB	PCB 153/168	72	ppt
8623	PCB	PCB 167	6	ppt
8623	PCB	PCB 170	27	ppt
8623	PCB	PCB 177	21	ppt
8623	PCB	PCB 180	35	ppt
8623	PCB	PCB 187	21	ppt
8623	PCB	PCB 206	43	ppt
8623	PCB	PCB 28	18	ppt
8623	PCB	PCB 66	30	ppt
8623	PCB	PCB 70	15	ppt
8623	PCB	PCB 74	8	ppt
8623	PCB	PCB 99	21	ppt
8625	DDT	o,p-DDD	13	ppt
8625	DDT	o,p-DDE	22	ppt
8625	DDT	p,p-DDD	44	ppt
8625	DDT	p,p-DDE	273	ppt
8625	DDT	p,p-DDT	27	ppt
8625	HCH	HCH, Beta isomer	71	ppt
8625	HCH	HCH, Delta isomer	53	ppt
8625	PAH	3,4-benzo(B)fluoranthene	14	ppb
8625	PAH	Benzo[A]pyrene	10	ppb
8625	PAH	Benzo[e]pyrene	8	ppb
8625	PAH	Fluoranthene	9	ppb
8625	PAH	Pyrene	11	ppb
8625	PCB	PCB 101	47	ppt
8625	PCB	PCB 110	49	ppt
8625	PCB	PCB 118	71	ppt
8625	PCB	PCB 128	24	ppt
8625	PCB	PCB 138	36	ppt
8625	PCB	PCB 149	47	ppt
8625	PCB	PCB 151	13	ppt
8625	PCB	PCB 153/168	64	ppt



**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8625	PCB	PCB 180	29	ppt
8625	PCB	PCB 187	23	ppt
8625	PCB	PCB 206	32	ppt
8625	PCB	PCB 52	18	ppt
8625	PCB	PCB 66	20	ppt
8625	PCB	PCB 70	16	ppt
8625	PCB	PCB 74	10	ppt
8625	PCB	PCB 99	16	ppt
8626	DDT	o,p-DDE	33	ppt
8626	DDT	p,p-DDD	55	ppt
8626	DDT	p,p-DDE	347	ppt
8626	DDT	p,-p-DDMU	18	ppt
8626	DDT	p,p-DDT	49	ppt
8626	HCH	HCH, Beta isomer	36	ppt
8626	PAH	2,6-dimethylnaphthalene	16	ppb
8626	PAH	Fluoranthene	8	ppb
8626	PAH	Pyrene	11	ppb
8626	PCB	PCB 101	17	ppt
8626	PCB	PCB 110	22	ppt
8626	PCB	PCB 118	16	ppt
8626	PCB	PCB 138	21	ppt
8626	PCB	PCB 149	22	ppt
8626	PCB	PCB 153/168	34	ppt
8626	PCB	PCB 18	14	ppt
8626	PCB	PCB 187	13	ppt
8626	PCB	PCB 206	27	ppt
8626	PCB	PCB 37	10	ppt
8626	PCB	PCB 52	16	ppt
8626	PCB	PCB 66	17	ppt
8626	PCB	PCB 70	15	ppt
8626	PCB	PCB 99	14	ppt
8628	Chlordane	Gamma(trans)Chlordane	9	ppt
8628	Chlordane	TransNonachlor	2	ppt
8628	DDT	o,p-DDD	24	ppt
8628	DDT	p,p-DDD	92	ppt
8628	DDT	p,p-DDE	307	ppt
8628	DDT	p,p-DDT	89	ppt
8628	HCH	HCH, Beta isomer	12	ppt
8628	PCB	PCB 101	91	ppt
8628	PCB	PCB 110	79	ppt
8628	PCB	PCB 118	65	ppt
8628	PCB	PCB 128	34	ppt
8628	PCB	PCB 149	55	ppt
8628	PCB	PCB 156	15	ppt
8628	PCB	PCB 170	16	ppt
8628	PCB	PCB 180	38	ppt
8628	PCB	PCB 183	9	ppt
8628	PCB	PCB 194	21	ppt
8628	PCB	PCB 206	49	ppt
8628	PCB	PCB 44	22	ppt
8628	PCB	PCB 49	19	ppt
8628	PCB	PCB 52	36	ppt
8628	PCB	PCB 66	40	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8628	PCB	PCB 70	30	ppt
8628	PCB	PCB 74	9	ppt
8629	Chlordane	Alpha(cis)Chlordane	11	ppt
8629	Chlordane	Gamma(trans)Chlordane	13	ppt
8629	DDT	o,p-DDD	33	ppt
8629	DDT	o,p-DDE	35	ppt
8629	DDT	o,p-DDT	18	ppt
8629	DDT	p,p-DDD	79	ppt
8629	DDT	p,p-DDE	329	ppt
8629	DDT	p,p-DDT	50	ppt
8629	HCH	HCH, Beta isomer	36	ppt
8629	PAH	2,6-dimethylnaphthalene	8	ppb
8629	PAH	3,4-benzo(B)fluoranthene	7	ppb
8629	PAH	Fluoranthene	9	ppb
8629	PAH	Pyrene	8	ppb
8629	PCB	PCB 101	23	ppt
8629	PCB	PCB 110	34	ppt
8629	PCB	PCB 118	21	ppt
8629	PCB	PCB 128	14	ppt
8629	PCB	PCB 138	25	ppt
8629	PCB	PCB 149	29	ppt
8629	PCB	PCB 151	7	ppt
8629	PCB	PCB 156	7	ppt
8629	PCB	PCB 180	26	ppt
8629	PCB	PCB 187	9	ppt
8629	PCB	PCB 206	23	ppt
8629	PCB	PCB 44	16	ppt
8629	PCB	PCB 49	10	ppt
8629	PCB	PCB 52	20	ppt
8629	PCB	PCB 66	16	ppt
8629	PCB	PCB 70	15	ppt
8629	PCB	PCB 74	10	ppt
8630	PCB	PCB 101	41	ppt
8630	PCB	PCB 118	42	ppt
8630	PCB	PCB 128	21	ppt
8630	PCB	PCB 138	61	ppt
8630	PCB	PCB 149	49	ppt
8630	PCB	PCB 151	17	ppt
8630	PCB	PCB 153/168	87	ppt
8630	PCB	PCB 18	25	ppt
8630	PCB	PCB 180	43	ppt
8630	PCB	PCB 183	24	ppt
8630	PCB	PCB 187	40	ppt
8630	PCB	PCB 206	37	ppt
8630	PCB	PCB 28	35	ppt
8630	PCB	PCB 44	24	ppt
8630	PCB	PCB 52	18	ppt
8630	PCB	PCB 66	36	ppt
8630	PCB	PCB 70	38	ppt
8630	PCB	PCB 74	14	ppt
8630	PCB	PCB 99	28	ppt
8631	DDT	o,p-DDE	15	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8631	DDT	p,p-DDD	78	ppt
8631	DDT	p,p-DDE	271	ppt
8631	DDT	p,-p-DDMU	13	ppt
8631	DDT	p,p-DDT	100	ppt
8631	HCH	HCH, Beta isomer	16	ppt
8631	PAH	1-methylnaphthalene	280	ppb
8631	PAH	2,3,5-trimethylnaphthalene	35	ppb
8631	PAH	2,6-dimethylnaphthalene	18	ppb
8631	PAH	3,4-benzo(B)fluoranthene	22	ppb
8631	PAH	Anthracene	39	ppb
8631	PAH	Benzo[A]anthracene	36	ppb
8631	PAH	Benzo[A]pyrene	19	ppb
8631	PAH	Benzo[e]pyrene	75	ppb
8631	PAH	Benzo[K]fluoranthene	24	ppb
8631	PAH	Biphenyl	10	ppb
8631	PAH	Chrysene	30	ppb
8631	PAH	Fluoranthene	35	ppb
8631	PAH	Fluorene	12	ppb
8631	PAH	Perylene	53	ppb
8631	PAH	Phenanthrene	47	ppb
8631	PAH	Pyrene	27	ppb
8631	PCB	PCB 101	19	ppt
8631	PCB	PCB 110	30	ppt
8631	PCB	PCB 118	18	ppt
8631	PCB	PCB 128	11	ppt
8631	PCB	PCB 138	35	ppt
8631	PCB	PCB 149	29	ppt
8631	PCB	PCB 153/168	31	ppt
8631	PCB	PCB 18	14	ppt
8631	PCB	PCB 187	11	ppt
8631	PCB	PCB 206	19	ppt
8631	PCB	PCB 28	15	ppt
8631	PCB	PCB 37	8	ppt
8631	PCB	PCB 44	12	ppt
8631	PCB	PCB 49	10	ppt
8631	PCB	PCB 52	15	ppt
8631	PCB	PCB 66	14	ppt
8631	PCB	PCB 70	12	ppt
8631	PCB	PCB 99	19	ppt
8632	Chlordane	Alpha(cis)Chlordane	4	ppt
8632	DDT	o,p-DDE	12	ppt
8632	DDT	p,p-DDD	36	ppt
8632	DDT	p,p-DDE	184	ppt
8632	DDT	p,p-DDT	31	ppt
8632	HCH	HCH, Beta isomer	10	ppt
8632	PAH	2,6-dimethylnaphthalene	7	ppb
8632	PAH	Benzo[K]fluoranthene	8	ppb
8632	PAH	Chrysene	8	ppb
8632	PAH	Pyrene	7	ppb
8632	PCB	PCB 101	48	ppt
8632	PCB	PCB 105	16	ppt
8632	PCB	PCB 110	43	ppt
8632	PCB	PCB 118	29	ppt
8632	PCB	PCB 128	12	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8632	PCB	PCB 138	37	ppt
8632	PCB	PCB 149	39	ppt
8632	PCB	PCB 151	5	ppt
8632	PCB	PCB 153/168	38	ppt
8632	PCB	PCB 177	9	ppt
8632	PCB	PCB 18	10	ppt
8632	PCB	PCB 180	36	ppt
8632	PCB	PCB 183	8	ppt
8632	PCB	PCB 187	31	ppt
8632	PCB	PCB 194	39	ppt
8632	PCB	PCB 206	41	ppt
8632	PCB	PCB 28	13	ppt
8632	PCB	PCB 49	12	ppt
8632	PCB	PCB 52	23	ppt
8632	PCB	PCB 66	13	ppt
8632	PCB	PCB 70	13	ppt
8632	PCB	PCB 74	8	ppt
8632	PCB	PCB 87	17	ppt
8632	PCB	PCB 99	6	ppt
8634	PCB	PCB 101	27	ppt
8634	PCB	PCB 118	41	ppt
8634	PCB	PCB 128	13	ppt
8634	PCB	PCB 138	26	ppt
8634	PCB	PCB 149	25	ppt
8634	PCB	PCB 153/168	43	ppt
8634	PCB	PCB 187	9	ppt
8634	PCB	PCB 206	23	ppt
8634	PCB	PCB 44	10	ppt
8634	PCB	PCB 52	16	ppt
8634	PCB	PCB 66	17	ppt
8634	PCB	PCB 70	15	ppt
8634	PCB	PCB 99	30	ppt
8635	DDT	o,p-DDE	21	ppt
8635	DDT	p,p-DDD	44	ppt
8635	DDT	p,p-DDE	295	ppt
8635	DDT	p,p-DDT	36	ppt
8635	PCB	PCB 101	21	ppt
8635	PCB	PCB 105	17	ppt
8635	PCB	PCB 138	46	ppt
8635	PCB	PCB 149	34	ppt
8635	PCB	PCB 153/168	46	ppt
8635	PCB	PCB 187	31	ppt
8635	PCB	PCB 206	29	ppt
8635	PCB	PCB 37	8	ppt
8635	PCB	PCB 52	14	ppt
8635	PCB	PCB 66	26	ppt
8635	PCB	PCB 70	11	ppt
8635	PCB	PCB 74	7	ppt
8635	PCB	PCB 87	15	ppt
8635	PCB	PCB 99	25	ppt
8637	PCB	PCB 52	2	ppt
8637	PCB	PCB 66	2	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8637	PCB	PCB 70	2	ppt
8638	PCB	PCB 101	10	ppt
8638	PCB	PCB 110	11	ppt
8638	PCB	PCB 138	14	ppt
8638	PCB	PCB 153/168	15	ppt
8638	PCB	PCB 66	12	ppt
8639	Chlordane	Gamma(trans)Chlordane	14	ppt
8639	DDT	o,p-DDE	17	ppt
8639	DDT	p,p-DDD	62	ppt
8639	DDT	p,p-DDE	235	ppt
8639	DDT	p,p-DDT	46	ppt
8639	PCB	PCB 101	8	ppt
8639	PCB	PCB 119	3	ppt
8639	PCB	PCB 149	15	ppt
8639	PCB	PCB 153/168	16	ppt
8639	PCB	PCB 169	14	ppt
8639	PCB	PCB 52	11	ppt
8639	PCB	PCB 66	15	ppt
8639	PCB	PCB 70	7	ppt
8639	PCB	PCB 74	5	ppt
8639	PCB	PCB 99	2	ppt
8640	Chlordane	Alpha(cis)Chlordane	15	ppt
8640	Chlordane	Gamma(trans)Chlordane	17	ppt
8640	DDT	o,p-DDE	9	ppt
8640	DDT	p,p-DDD	34	ppt
8640	DDT	p,p-DDE	132	ppt
8640	DDT	p,p-DDT	29	ppt
8640	HCH	HCH, Beta isomer	74	ppt
8640	HCH	HCH, Delta isomer	65	ppt
8640	PCB	PCB 101	6	ppt
8640	PCB	PCB 153/168	22	ppt
8640	PCB	PCB 177	4	ppt
8640	PCB	PCB 66	9	ppt
8641	Chlordane	Alpha(cis)Chlordane	49	ppt
8641	Chlordane	Heptachlor epoxide	49	ppt
8641	DDT	p,p-DDD	24	ppt
8641	DDT	p,p-DDE	77	ppt
8641	DDT	p,p-DDT	19	ppt
8641	HCH	HCH, Alpha isomer	27	ppt
8641	HCH	HCH, Beta isomer	93	ppt
8641	HCH	HCH, Delta isomer	86	ppt
8641	HCH	HCH, Gamma isomer	34	ppt
8641	PCB	PCB 138	6	ppt
8641	PCB	PCB 149	8	ppt
8641	PCB	PCB 153/168	19	ppt
8641	PCB	PCB 170	4	ppt
8641	PCB	PCB 194	4	ppt
8641	PCB	PCB 206	12	ppt
8641	PCB	PCB 66	7	ppt
8641	PCB	PCB 70	4	ppt
8641	PCB	PCB 74	2	ppt

**Addendum 6-5** *continued*

Station	Class	Constituent	Value	Units
8645	DDT	p,p-DDD	11	ppt
8645	PAH	3,4-benzo(B)fluoranthene	6	ppb
8645	PAH	Benzo[A]anthracene	17	ppb
8645	PAH	Benzo[K]fluoranthene	7	ppb
8645	PAH	Chrysene	11	ppb
8645	PCB	PCB 138	7	ppt
8645	PCB	PCB 149	7	ppt
8645	PCB	PCB 151	1	ppt
8645	PCB	PCB 153/168	6	ppt
8645	PCB	PCB 158	4	ppt
8645	PCB	PCB 206	16	ppt
8645	PCB	PCB 66	8	ppt
8645	PCB	PCB 70	8	ppt
8653	DDT	p,p-DDE	46	ppt
8653	PCB	PCB 149	4	ppt
8653	PCB	PCB 187	2	ppt
8655	Chlordane	Oxychlordane	39	ppt
8655	DDT	p,p-DDE	37	ppt
8655	PCB	PCB 101	7	ppt
8655	PCB	PCB 153/168	7	ppt
8655	PCB	PCB 167	4	ppt
8655	PCB	PCB 180	6	ppt
8655	PCB	PCB 206	19	ppt
8655	PCB	PCB 66	6	ppt
8655	PCB	PCB 70	4	ppt
8657	Chlordane	Gamma(trans)Chlordane	44	ppt
8657	DDT	o,p-DDD	186	ppt
8657	DDT	o,p-DDE	55	ppt
8657	DDT	o,p-DDT	66	ppt
8657	DDT	p,p-DDD	256	ppt
8657	DDT	p,p-DDE	2260	ppt
8657	DDT	p,-p-DDMU	47	ppt
8657	DDT	p,p-DDT	230	ppt
8657	PCB	PCB 101	27	ppt
8657	PCB	PCB 149	26	ppt
8657	PCB	PCB 151	10	ppt
8657	PCB	PCB 180	17	ppt
8657	PCB	PCB 183	5	ppt
8657	PCB	PCB 187	16	ppt
8657	PCB	PCB 206	20	ppt
8657	PCB	PCB 52	13	ppt
8657	PCB	PCB 66	11	ppt
8657	PCB	PCB 70	11	ppt
8657	PCB	PCB 99	12	ppt
8659	DDT	o,p-DDE	3	ppt
8659	DDT	p,p-DDD	12	ppt
8659	DDT	p,p-DDE	54	ppt
8659	PCB	PCB 101	9	ppt
8659	PCB	PCB 110	11	ppt
8659	PCB	PCB 138	9	ppt
8659	PCB	PCB 149	7	ppt

**Addendum 6-5** *continued*

<b>Station</b>	<b>Class</b>	<b>Constituent</b>	<b>Value</b>	<b>Units</b>
8659	PCB	PCB 151	2	ppt
8659	PCB	PCB 177	3	ppt
8659	PCB	PCB 206	17	ppt
8659	PCB	PCB 49	4	ppt
8659	PCB	PCB 52	8	ppt
8659	PCB	PCB 66	5	ppt
8659	PCB	PCB 70	6	ppt
8661	Chlordane	Alpha(cis)Chlordane	7	ppt
8661	Chlordane	Oxychlordane	32	ppt
8661	DDT	o,p-DDE	5	ppt
8661	DDT	p,p-DDT	19	ppt
8661	HCH	HCH, Beta isomer	10	ppt
8661	PCB	PCB 101	8	ppt
8661	PCB	PCB 118	4	ppt
8661	PCB	PCB 119	1	ppt
8661	PCB	PCB 128	5	ppt
8661	PCB	PCB 149	8	ppt
8661	PCB	PCB 153/168	23	ppt
8661	PCB	PCB 177	6	ppt
8661	PCB	PCB 201	5	ppt
8661	PCB	PCB 206	19	ppt
8661	PCB	PCB 66	7	ppt
8661	PCB	PCB 70	5	ppt
8661	PCB	PCB 81	4	ppt
8661	PCB	PCB 87	4	ppt
8661	PCB	PCB 99	2	ppt

## Addendum 6-6

Macrofaunal community parameters calculated for the randomly selected regional benthic stations sampled off San Diego during 2017. SR=species richness; Abun=abundance; H'=Shannon diversity index; J'=Pielou's evenness; Dom=Swartz dominance; BRI=benthic response index; n=1 grab per station.

	Station	Depth (m)	SR	Abun	H'	J'	Dom	BRI <sup>a</sup>
<i>Inner Shelf</i>	8621	7	18	78	2.3	0.80	6	—
	8607	14	22	55	2.6	0.83	9	19
	8657	14	31	93	2.8	0.81	12	26
	8655	15	44	341	2.0	0.52	3	26
	8645	17	51	286	2.6	0.67	11	21
	8659	17	34	110	2.8	0.79	12	23
	8616	18	55	220	3.1	0.79	15	22
	8653	20	46	130	3.2	0.84	19	26
	8661	20	43	108	3.2	0.85	19	31
	8613	23	44	147	3.2	0.85	14	26
	8641	25	64	220	3.4	0.82	19	19
	8609	27	38	95	3.1	0.86	15	25
	8637	29	44	164	2.3	0.60	9	16
<i>Mid-shelf</i>	8601	34	43	152	3.0	0.80	15	16
	8603	42	25	47	3.0	0.92	14	8
	8602	50	35	72	3.2	0.91	18	8
	8614	54	92	376	3.9	0.87	32	19
	8622	55	92	280	4.0	0.89	35	22
	8630	58	77	354	3.7	0.85	26	16
	8639	67	19	66	2.4	0.81	7	42
	8628	70	65	370	3.0	0.73	14	13
	8610	83	75	371	3.3	0.75	18	13
	8623	84	59	388	2.8	0.70	11	13
	8606	86	76	302	3.2	0.73	20	10
	8635	93	53	229	3.0	0.75	13	17
	8631	95	120	308	4.3	0.90	51	13
	8618	97	43	211	3.1	0.82	12	37
	8640	101	59	267	3.3	0.80	15	17
8632	108	89	438	3.2	0.71	18	15	
<i>Outer Shelf</i>	8617	132	54	243	3.2	0.80	15	12
	8605	136	52	119	3.7	0.92	24	7
	8615	151	56	261	3.0	0.75	13	20
	8611	170	74	428	3.3	0.77	16	23
<i>Upper Slope</i>	8608	205	47	102	3.6	0.94	23	—
	8625	244	38	67	3.5	0.95	22	—
	8620	269	26	46	3.1	0.96	15	—
	8634	302	22	31	2.9	0.94	15	—
	8629	402	21	37	2.5	0.82	12	—
	8638	407	38	76	3.3	0.90	20	—
	8626	469	23	37	3.0	0.95	14	—

<sup>a</sup>BRI statistic not calculated for stations located at depths <10 m or >200 m



**Addendum 7**  
**Demersal Fishes and Megabenthic Invertebrates**  
**2017 Raw Data Tables**  
**PLOO and SBOO Stations**



## Addendum 7-1

Total abundance by species and station for demersal fish collected at PLOO trawl stations during 2017.

Species	Winter 2017						Species Abundance by Survey
	SD7 <sup>a</sup>	SD8 <sup>a</sup>	SD10 <sup>a</sup>	SD12 <sup>a</sup>	SD13 <sup>a</sup>	SD14 <sup>a</sup>	
Stripetail Rockfish	12	9	8	2	6	8	45
Pacific Sanddab	5	6	5	7	8	6	37
Pink Seaperch		1	1	5	1	2	10
Spotted Cusk-eel			2	5			7
Dover Sole		3	1	3			7
California Lizardfish			2		1	2	5
Longspine Combfish		1	1	2			4
Halfbanded Rockfish		1	2				3
Shortspine Combfish				2			2
Longfin Sanddab						2	2
Greenblotched Rockfish				1			1
<b>Survey Total</b>	<b>17</b>	<b>21</b>	<b>22</b>	<b>27</b>	<b>16</b>	<b>20</b>	<b>123</b>

<sup>a</sup>Trawl duration ≤3 minutes

## Addendum 7-1 *continued*

Species	Summer 2017						Species Abundance by Survey
	SD7 <sup>a</sup>	SD8	SD10 <sup>a</sup>	SD12 <sup>a</sup>	SD13 <sup>a</sup>	SD14	
Pacific Sanddab	30	250	1	12	9	316	618
Dover Sole	2	148	1	3	2	18	174
Plainfin Midshipman	1	71				2	74
Stripetail Rockfish		26			2	26	54
California Lizardfish		4		1	6	27	38
Longspine Combfish		18			2	6	26
Halfbanded Rockfish	2	24					26
Shortspine Combfish	1	10				1	12
Yellowchin Sculpin		11					11
Slender Sole		8				2	10
Pink Seaperch		1			3	5	9
English Sole		1				6	7
Spotted Cusk-eel				3			3
Hornyhead Turbot						3	3
Bigmouth Sole		1				1	2
Basketweave Cusk-eel						2	2
White Croaker						1	1
Specklefin Midshipman						1	1
Unidentified Rockfish		1					1
Curlfin Sole		1					1
Bigfin Eelpout					1		1
<b>Survey Total</b>	36	575	2	19	25	417	1074
<b>Annual Total</b>	53	596	24	46	41	437	1197

<sup>a</sup> Trawl duration ≤ 3 minutes

## Addendum 7-2

Total abundance by species and station for demersal fish collected at SBOO trawl stations during 2017.

Species	Winter 2017							Species Abundance by Survey
	SD15	SD16	SD17	SD18	SD19	SD20	SD21	
Speckled Sanddab	41	106	64	69	93	131	57	561
California Lizardfish	32	47	23	11	19	20	42	194
Longfin Sanddab		9	42	32	18	25	20	146
California Tonguefish	4	3	7	9	9	5	9	46
Hornyhead Turbot		4	9	3	10	13	6	45
Longspine Combfish			3	3	3	5	15	29
Plainfin Midshipman			1	1	1	8		11
Fantail Sole		1	1	4	1	3	1	11
Unidentified Pipefish		4	1	1	1	1	1	9
California Halibut				1	4	3	1	9
Ocean Whitefish	2	1						3
Specklefin Midshipman	1					1		2
California Skate				1			1	2
Stripetail Rockfish	1							1
Pacific Seahorse	1							1
Gulf Sanddab						1		1
English Sole				1				1
<b>Survey Total</b>	<b>82</b>	<b>175</b>	<b>151</b>	<b>136</b>	<b>159</b>	<b>216</b>	<b>153</b>	<b>1072</b>

## Addendum 7-2 *continued*

Species	Summer 2017							Species Abundance by Survey
	SD15	SD16	SD17	SD18	SD19	SD20	SD21	
Speckled Sanddab	279	260	128	192	212	226	89	1386
Longfin Sanddab	1	19	55	27	64	56	59	281
California Lizardfish	118	25	21	10	24	20	3	221
California Tonguefish	6	7	6	21	16	17	48	121
Hornyhead Turbot	5	6	6	9	5	9	5	45
Yellowchin Sculpin			1		3	22	9	35
Fantail Sole	2		3	8	3	5		21
English Sole		3		5	1	3		12
Spotted Turbot	2	1	4	2		2		11
Roughback Sculpin	1			4		2		7
California Halibut			4			1		5
Plainfin Midshipman		1	1			2		4
Unidentified Sanddab						1	3	4
Specklefin Midshipman	1		1					2
Pacific Sanddab						2		2
California Skate					1	1		2
California Scorpionfish		1					1	2
Stripetail Rockfish						1		1
Longspine Combfish						1		1
Halfbanded Rockfish			1					1
Curlfin Sole	1							1
<b>Survey Total</b>	416	323	231	278	329	371	217	2165
<b>Annual Total</b>	498	498	382	414	488	587	370	3237

## Addendum 7-3

Biomass (kg) by species and station for demersal fish collected at the PLOO trawl stations during 2017.

Species	Winter 2017						Species Biomass by Survey
	SD7 <sup>a</sup>	SD8 <sup>a</sup>	SD10 <sup>a</sup>	SD12 <sup>a</sup>	SD13 <sup>a</sup>	SD14 <sup>a</sup>	
Pacific Sanddab	0.1	0.1	0.1	0.2	0.3	0.2	1.0
Stripetail Rockfish	0.1	0.1	0.1	0.1	0.1	0.1	0.6
Pink Seaperch		0.1	0.1	0.1	0.1	0.1	0.5
Longspine Combfish		0.1	0.1	0.1			0.3
Dover Sole		0.1	0.1	0.1			0.3
California Lizardfish			0.1		0.1	0.1	0.3
Spotted Cusk-eel			0.1	0.1			0.2
Halfbanded Rockfish		0.1	0.1				0.2
Shortspine Combfish				0.1			0.1
Longfin Sanddab						0.1	0.1
Greenblotched Rockfish				0.1			0.1
<b>Survey Total</b>	0.2	0.6	0.8	0.9	0.6	0.6	3.7

<sup>a</sup>Trawl duration ≤3 minutes

## Addendum 7-3 *continued*

Species	Summer 2017						Species Biomass by Survey
	SD7 <sup>a</sup>	SD8	SD10 <sup>a</sup>	SD12 <sup>a</sup>	SD13 <sup>a</sup>	SD14	
Pacific Sanddab	0.6	2.8	0.1	0.1	0.3	12.4	16.3
Dover Sole	0.1	2.1	0.1	0.1	0.1	0.4	2.9
California Lizardfish		0.1		0.1	0.5	2.2	2.9
Plainfin Midshipman	0.1	1.0				0.1	1.2
Stripetail Rockfish		0.4			0.1	0.4	0.9
English Sole		0.1				0.6	0.7
Longspine Combfish		0.3			0.1	0.1	0.5
Halfbanded Rockfish	0.1	0.4					0.5
Slender Sole		0.2				0.1	0.3
Shortspine Combfish	0.1	0.1				0.1	0.3
Pink Seaperch		0.1			0.1	0.1	0.3
Curlfin Sole		0.2					0.2
Bigmouth Sole		0.1				0.1	0.2
Yellowchin Sculpin		0.1					0.1
White Croaker						0.1	0.1
Spotted Cusk-eel				0.1			0.1
Specklefin Midshipman						0.1	0.1
Unidentified Rockfish		0.1					0.1
Hornyhead Turbot						0.1	0.1
Bigfin Eelpout					0.1		0.1
Basketweave Cusk-eel						0.1	0.1
<b>Survey Total</b>	1.0	8.1	0.2	0.4	1.3	17.0	28.0
<b>Annual Total</b>	1.2	8.7	1.0	1.3	1.9	17.6	31.7

<sup>a</sup>Trawl duration ≤3 minutes



## Addendum 7-4

Biomass (kg) by species and station for demersal fish collected at SBOO trawl stations during 2017.

Name	Winter 2017							Species Biomass by Survey
	SD15	SD16	SD17	SD18	SD19	SD20	SD21	
Speckled Sanddab	0.3	0.9	0.5	0.6	0.6	0.5	0.4	3.8
California Halibut				0.7	1.3	0.8	0.2	3.0
Longfin Sanddab		0.1	0.8	0.8	0.3	0.5	0.4	2.9
Fantail Sole		0.2	0.1	1.1	0.1	0.6	0.1	2.2
California Lizardfish	0.1	0.6	0.4	0.1	0.1	0.2	0.3	1.8
California Tonguefish	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.7
Unidentified Pipefish		0.1	0.1	0.1	0.1	0.1	0.1	0.6
Longspine Combfish			0.1	0.1	0.1	0.1	0.2	0.6
Hornyhead Turbot		0.1	0.1	0.1	0.1	0.1	0.1	0.6
California Skate				0.4			0.1	0.5
Plainfin Midshipman			0.1	0.1	0.1	0.1		0.4
Specklefin Midshipman	0.1					0.1		0.2
Ocean Whitefish	0.1	0.1						0.2
English Sole				0.2				0.2
Stripetail Rockfish	0.1							0.1
Pacific Seahorse	0.1							0.1
Gulf Sanddab						0.1		0.1
<b>Survey Total</b>	<b>0.9</b>	<b>2.2</b>	<b>2.3</b>	<b>4.4</b>	<b>2.9</b>	<b>3.3</b>	<b>2.0</b>	<b>18.0</b>

## Addendum 7-4 *continued*

Name	Summer 2017							Species Biomass by Survey
	SD15	SD16	SD17	SD18	SD19	SD20	SD21	
Speckled Sanddab	3.0	2.3	0.7	1.0	1.4	2.3	0.7	11.4
Longfin Sanddab	0.1	1.1	1.1	0.8	1.7	2.1	1.6	8.5
California Halibut			6.3			0.5		6.8
Fantail Sole	0.3		1.1	3.3	0.8	0.6		6.1
California Lizardfish	1.1	1.0	0.4	0.1	0.7	1.1	0.1	4.5
Hornyhead Turbot	0.3	1.0	0.3	1.0	0.4	0.6	0.3	3.9
English Sole		1.2		1.0	0.1	0.3		2.6
California Skate					0.2	1.4		1.6
California Tonguefish	0.1	0.1	0.1	0.3	0.2	0.1	0.3	1.2
Spotted Turbot	0.1	0.1	0.5	0.1		0.2		1.0
Yellowchin Sculpin			0.1		0.1	0.1	0.1	0.4
Roughback Sculpin	0.1			0.1		0.1		0.3
Plainfin Midshipman		0.1	0.1			0.1		0.3
California Scorpionfish		0.1					0.2	0.3
Specklefin Midshipman	0.1		0.1					0.2
Unidentified Sanddab						0.1	0.1	0.2
Stripetail Rockfish						0.1		0.1
Pacific Sanddab						0.1		0.1
Longspine Combfish						0.1		0.1
Halfbanded Rockfish			0.1					0.1
Curlfin Sole	0.1							0.1
<b>Survey Total</b>	<b>5.3</b>	<b>7.0</b>	<b>10.9</b>	<b>7.7</b>	<b>5.6</b>	<b>9.9</b>	<b>3.4</b>	<b>49.8</b>
<b>Annual Total</b>	<b>6.2</b>	<b>9.2</b>	<b>13.2</b>	<b>12.1</b>	<b>8.5</b>	<b>13.2</b>	<b>5.4</b>	<b>67.8</b>

## Addendum 7-5

Total abundance by species and station for megabenthic invertebrates collected at PLOO trawl stations during 2017.

Species	Winter 2017						Species Abundance by Survey
	SD7 <sup>a</sup>	SD8 <sup>a</sup>	SD10 <sup>a</sup>	SD12 <sup>a</sup>	SD13 <sup>a</sup>	SD14 <sup>a</sup>	
<i>Pleuroncodes planipes</i>	26,506	39,374	32,886	50,804	22,738	28,066	200,374
<i>Lytechinus pictus</i>	14	32	67	336	3	1	453
<i>Sicyonia ingentis</i>	9	9	2				20
<i>Parastichopus californicus</i>	1	2	1				4
<i>Platymera gaudichaudii</i>	2						2
<i>Luidia foliolata</i>						2	2
<i>Suberites latus</i>				1			1
<i>Paguristes bakeri</i>				1			1
<i>Elthusa vulgaris</i>				1			1
<b>Survey Total</b>	26,532	39,417	32,956	51,143	22,741	28,069	200,858

<sup>a</sup>Trawl duration ≤3 minutes

## Addendum 7-5 *continued*

Species	Summer 2017						Species Abundance by Survey
	SD7 <sup>a</sup>	SD8	SD10 <sup>a</sup>	SD12 <sup>a</sup>	SD13 <sup>a</sup>	SD14	
<i>Pleuroncodes planipes</i>	1394	707	978	9770	14,261	1	27,111
<i>Lytechinus pictus</i>	98	530	9	8	5		650
<i>Sicyonia ingentis</i>	6	13	2	8	4	22	55
<i>Strongylocentrotus fragilis</i>						41	41
<i>Parastichopus californicus</i>		6					6
<i>Octopus rubescens</i>					1	5	6
<i>Elthusa vulgaris</i>						5	5
<i>Astropecten californicus</i>		2		1		1	4
<i>Spatangus californicus</i>		1					1
<i>Solenocera mutator</i>		1					1
<i>Cancellaria cooperii</i>	1						1
<b>Survey Total</b>	1499	1260	989	9787	14271	75	27,881
<b>Annual Total</b>	28,031	40,677	33,945	60,930	37,012	28,144	228,739

<sup>a</sup>Trawl duration ≤3 minutes

## Addendum 7-6

Total abundance by species and station for megabenthic invertebrates collected at SBOO trawl stations during 2017.

Species	Winter 2017							Species Abundance by Survey
	SD15	SD16	SD17	SD18	SD19	SD20	SD21	
<i>Philine auriformis</i>		1	336	31	53		115	536
<i>Sicyonia penicillata</i>	1	21	52	2	5	6	22	109
<i>Portunus xantusii</i>	5	15		1		6	7	34
<i>Elthusa vulgaris</i>		4	2	4	4	4	4	22
<i>Astropecten californicus</i>		1	2	2	7	5	2	19
<i>Kelletia kelletii</i>		1	1	5			2	9
<i>Acanthodoris brunnea</i>				3			6	9
<i>Farfantepenaeus californiensis</i>			1		2		3	6
<i>Crangon nigromaculata</i>		1			2	2	1	6
<i>Ophiopteris papillosa</i>							5	5
<i>Crossata ventricosa</i>			2	1		2		5
<i>Ophiothrix spiculata</i>					1		3	4
<i>Octopus rubescens</i>	1	1		1		1		4
<i>Pteropurpura festiva</i>		1					1	2
<i>Pleuroncodes planipes</i>			1	1				2
<i>Loxorhynchus grandis</i>			2					2
<i>Lovenia cordiformis</i>	2							2
<i>Dendronotus iris</i>					1	1		2
<i>Aglaja ocelligera</i>		1	1					2
<i>Thesea</i> sp B				1				1
<i>Stylatula elongata</i>							1	1
<i>Sinum scopulosum</i>					1			1
<i>Sicyonia ingentis</i>							1	1
<i>Rossia pacifica</i>					1			1
<i>Pyromaia tuberculata</i>							1	1
<i>Pugettia dalli</i>							1	1
<i>Pagurus spilocarpus</i>		1						1
<i>Heptacarpus stimpsoni</i>				1				1
<i>Hemisquilla californiensis</i>				1				1
<i>Glebocarcinus amphioetus</i>				1				1
<i>Euspira lewisii</i>					1			1
<i>Doryteuthis opalescens</i>						1		1
<i>Calliostoma tricolor</i>		1						1
<i>Armina californica</i>	1							1
<b>Survey Total</b>	<b>10</b>	<b>49</b>	<b>400</b>	<b>55</b>	<b>78</b>	<b>28</b>	<b>175</b>	<b>795</b>

**Addendum 7-6** *continued*

Species	Summer 2017							Species Abundance by Survey
	SD15	SD16	SD17	SD18	SD19	SD20	SD21	
<i>Elthusa vulgaris</i>	8	13	1	2	11	12	4	51
<i>Philine auriformis</i>			1		14			15
<i>Octopus rubescens</i>	2	3			1	3	5	14
<i>Kelletia kelletii</i>		3	2	4	1	1	2	13
<i>Crangon nigromaculata</i>	1			3	5	2	1	12
<i>Astropecten californicus</i>					6	3		9
<i>Lytechinus pictus</i>	2	2	4					8
<i>Sicyonia penicillata</i>						5	2	7
<i>Crossata ventricosa</i>	3	2	1				1	7
<i>Platymera gaudichaudii</i>		1	1		3			5
<i>Acanthodoris brunnea</i>				5				5
<i>Metacarcinus anthonyi</i>	1	3						4
<i>Dendraster terminalis</i>	4							4
<i>Pyromaia tuberculata</i>	1			1			1	3
<i>Ericerodes hemphillii</i>							3	3
<i>Lovenia cordiformis</i>	1			1				2
<i>Euspira lewisii</i>			2					2
<i>Armina californica</i>					2			2
<i>Suberites</i> sp			1					1
<i>Stylatula elongata</i>				1				1
<i>Romaleon antennarium</i>							1	1
<i>Pteropurpura vokesae</i>							1	1
<i>Pleuroncodes planipes</i>	1							1
<i>Pleurobranchaea californica</i>		1						1
<i>Paguristes bakeri</i>			1					1
<i>Megasurcula carpenteriana</i>	1							1
<i>Loxorhynchus grandis</i>		1						1
<i>Heptacarpus stimpsoni</i>							1	1
<i>Dendronotus iris</i>					1			1
<i>Crangon alba</i>				1				1
<i>Aglaja ocelligera</i>			1					1
<i>Acanthodoris rhodoceras</i>				1				1
<b>Survey Total</b>	25	29	15	19	44	26	22	180
<b>Annual Total</b>	35	78	415	74	122	54	197	975

**Addendum 8**  
**Contaminants in Marine Fishes**  
**2017 Raw Data Tables**  
**PLOO and SBOO Stations**





## Addendum 8-1

Lengths and weights of fishes used for each composite (Comp) tissue sample from PLOO trawl and rig fishing zones during 2017. Data are summarized as number of individuals (n), minimum, maximum, and mean values.

Zone	Comp	Species	n	Length (cm, size class)			Weight (g)		
				Min	Max	Mean	Min	Max	Mean
RF1	1	Vermilion Rockfish	3	22	22	22	249	306	270
RF1	2	Vermilion Rockfish	3	22	22	22	156	317	246
RF1	3	Vermilion Rockfish	3	18	22	20	151	306	222
RF2	1	Vermilion Rockfish	3	31	37	35	950	1375	1225
RF2	2	Vermilion Rockfish	3	30	35	32	784	1212	983
RF2	3	Mixed Rockfish	3	24	30	26	393	945	601
TZ1	1	Pacific Sanddabb	3	19	21	20	112	158	140
TZ1	2	Pacific Sanddabb	3	20	21	21	140	196	172
TZ1	3	Pacific Sanddabb	3	19	21	20	127	169	151
TZ2	1	Pacific Sanddabb	3	19	23	21	136	196	171
TZ2	2	Pacific Sanddabb	3	19	23	21	169	208	194
TZ2	3	Pacific Sanddabb	3	21	23	22	154	272	200
TZ3	1	Pacific Sanddabb	3	19	21	20	150	181	164
TZ3	2	Pacific Sanddabb	3	20	21	21	134	169	157
TZ3	3	Pacific Sanddabb	3	21	24	22	179	219	194
TZ4	1	Pacific Sanddabb	3	21	25	23	161	278	238
TZ4	2	Pacific Sanddabb	3	20	24	22	152	252	193
TZ4	3	Pacific Sanddabb	3	20	21	20	130	174	150

## Addendum 8-2

Lengths and weights of fishes used for each composite (Comp) tissue sample from SBOO trawl and rig fishing stations during 2017. Data are summarized as number of individuals (n), minimum, maximum, and mean values.

Zone	Comp	Species	n	Length (cm, size class)			Weight (g)		
				Min	Max	Mean	Min	Max	Mean
RF3	1	California Scorpionfish	3	22	23	22	302	349	320
RF3	2	California Scorpionfish	3	21	22	21	246	313	276
RF3	3	California Scorpionfish	3	18	19	19	238	271	249
RF4	1	Gopher Rockfish	3	16	24	19	177	372	255
RF4	2	Treefish	3	24	26	25	456	519	487
RF4	3	Mixed Rockfish	3	19	22	20	208	300	253
TZ5	1	Fantail sole	3	20	29	23	147	572	303
TZ5	2	Hornyhead Turbot	4	17	22	19	152	276	195
TZ5	3	Hornyhead Turbot	3	18	21	19	152	319	214
TZ6	1	Longfin Sanddab	6	13	16	15	44	103	74
TZ6	2	Longfin Sanddab	4	15	20	17	70	160	102
TZ6	3	Longfin Sanddab	8	13	15	14	47	69	58
TZ7	1	Longfin Sanddab	7	12	16	14	47	94	67
TZ7	2	Longfin Sanddab	7	13	16	14	43	107	58
TZ7	3	Longfin Sanddab	9	12	16	13	37	82	50
TZ8	1	Longfin Sanddab	5	13	18	16	42	119	84
TZ8	2	Longfin Sanddab	10	12	17	14	34	100	53
TZ8	3	Hornyhead Turbot	4	17	21	20	174	252	222
TZ9	1	Fantail sole	4	20	26	23	157	366	265
TZ9	2	Hornyhead Turbot	3	13	20	16	58	217	115
TZ9	3	Spotted Turbot	7	13	19	16	57	148	97

## Addendum 8-3

Concentrations of metals (ppm) detected in liver tissues of fishes collected from PLOO and SBOO trawl zones during 2017. See Appendix H.2 for MDLs; nd = not detected; nr = not reported.

Trawl Zone	Comp	Species	Trace Metals																
			Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Sn	Zn
TZ1	1	Pacific Sanddab	nd	0.30	5.2	nd	0.184	2.6	0.29	4.2	41	0.2	0.7	0.067	0.08	1.40	2.2	1.0	20
	2	Pacific Sanddab	nd	nd	4.0	nd	nd	1.6	0.05	3.5	29	0.1	0.6	0.070	nd	0.80	nd	0.8	18
	3	Pacific Sanddab	nd	nd	6.6	nd	nd	1.3	nd	3.1	38	0.1	0.7	0.080	nd	1.30	nd	0.8	16
TZ2	1	Pacific Sanddab	nd	nd	8.0	nd	nd	3.1	0.08	5.0	64	0.1	0.6	0.117	nd	1.30	nd	0.7	20
	2	Pacific Sanddab	nd	nd	6.4	nd	nd	4.9	0.06	8.3	76	nd	0.8	0.377	nd	1.60	nd	0.7	22
	3	Pacific Sanddab	nd	nd	7.1	nd	nd	3.2	0.06	4.5	46	0.1	0.5	0.073	nd	1.30	nd	0.8	18
TZ3	1	Pacific Sanddab	nd	nd	4.7	nd	nd	1.1	nd	2.9	35	nd	0.5	0.045	nd	1.10	nd	1.0	13
	2	Pacific Sanddab	nd	nd	6.5	nd	nd	1.3	nd	4.0	59	0.1	0.5	0.156	nd	1.00	nd	0.8	18
	3	Pacific Sanddab	nd	0.2	6.8	nd	nd	2.4	0.13	3.9	40	nd	0.8	0.079	nd	1.33	nd	1.0	22
TZ4	1	Pacific Sanddab	nd	nd	8.1	nd	nd	11.0	0.09	7.8	57	nd	0.8	0.133	nd	1.83	nd	1.0	24
	2	Pacific Sanddab	nd	0.4	5.3	15.2	nd	2.4	0.20	4.4	47	nd	0.8	0.072	0.16	1.10	nd	1.0	32
	3	Pacific Sanddab	nd	nd	5.1	0.5	nd	1.5	nd	3.6	43	nd	0.9	0.089	nd	0.90	nd	1.0	21
		Detection Rate (%)	0	25	50	17	8	100	8	100	100	50	100	100	17	100	8	100	100
TZ5	1	Fantail Sole	nd	nd	35.7	nd	nd	3.7	0.14	11.0	142	nd	1.6	0.197	0.06	1.30	nd	nd	74
	2	Hornyhead Turbot	nd	nd	6.3	nd	nd	2.8	0.18	3.9	52	nd	1.1	0.064	0.07	1.20	nd	nd	43
	3	Hornyhead Turbot	nd	nd	4.0	nd	nd	2.4	0.06	3.8	48	nd	0.8	0.059	nd	1.20	nd	nd	56
TZ6	1	Longfin Sanddab	nd	nd	8.2	nd	nd	1.5	0.14	7.0	74	nd	0.9	0.068	nd	1.20	nd	0.7	19
	2	Longfin Sanddab	nd	0.2	7.5	nd	nd	1.6	0.09	6.1	67	nd	1.0	0.080	0.06	1.58	0.1	1.0	24
	3	Longfin Sanddab	nd	0.2	8.2	nd	nd	1.2	0.07	7.6	73	nd	0.9	0.050	nd	1.50	nd	1.0	24
TZ7	1	Longfin Sanddab	nd	nd	6.5	nd	nd	1.5	0.08	4.9	76	nd	1.5	0.069	0.05	1.27	nd	0.8	22
	2	Longfin Sanddab	nd	nd	8.2	nd	nd	0.9	0.12	4.6	59	nd	1.1	0.064	nd	0.89	nd	0.9	21
	3	Longfin Sanddab	nd	nd	5.9	nd	nd	0.9	0.06	5.1	68	nd	0.8	0.073	nd	1.20	nd	0.9	22
TZ8	1	Longfin Sanddab	nd	nd	10.1	nd	nd	1.7	0.13	7.4	63	nd	1.4	0.071	0.12	1.58	nd	0.9	25
	2	Longfin Sanddab	nd	nd	9.9	nd	nd	2.1	0.13	7.4	91	nd	1.1	0.052	0.08	1.60	nd	0.9	23
	3	Hornyhead Turbot	nd	nd	5.4	nd	nd	1.8	0.06	6.2	49	nd	0.8	0.063	nd	1.30	0.1	nd	53
TZ9	1	Fantail Sole	nd	nd	15.5	nd	nd	3.5	0.12	8.9	87	nd	1.3	0.090	0.04	0.90	nd	nd	40
	2	Hornyhead Turbot	nd	nd	15.7	nd	nd	4.3	0.12	2.3	113	nd	1.2	nr	0.06	1.00	nd	nd	38
	3	Spotted Turbot	nd	nd	10.7	nd	nd	1.0	0.07	28.9	96	0.2	2.1	nr	nd	1.30	0.2	0.7	43
		Detection Rate (%)	0	13	100	0	0	100	100	100	100	7	100	100	53	100	20	60	100

## Addendum 8-4

Concentrations of pesticides (ppb), total PCB (ppb), total PAH (ppb) and lipids (% weight) detected in liver tissues of fishes collected from PLOO and SBOO trawl zones during 2017. See Appendix H.2 for list of constituents with MDLs and Addendum 8-7 for values of individual constituents summed for total chlordane (tChlor), total DDT, total HCH, total PCB, and total PAH; nd=not detected; nr=not reportable.

Trawl Zone	Comp	Species	Pesticides					tPCB	tPAH <sup>a</sup>	Lipids	
			tChlor	tDDT	HCb	tHCH	Mirex				
PLOO	TZ1	1	Pacific Sanddab	nd	535.6	12.6	3.51	nd	705.3	110.0	41.0
		2	Pacific Sanddab	4.96	426.7	120.0	3.37	nd	305.5	101.0	41.7
		3	Pacific Sanddab	6.99	466.7	22.8	2.89	nd	362.5	177.3	43.0
	TZ2	1	Pacific Sanddab	nd	396.1	10.3	2.56	nd	260.8	114.0	36.4
		2	Pacific Sanddab	nd	410.7	7.7	2.86	1.88	300.4	112.0	35.9
		3	Pacific Sanddab	5.86	439.3	13.7	4.69	nd	374.7	116.0	48.7
	TZ3	1	Pacific Sanddab	11.48	556.7	11.5	4.53	0.87	410.8	375.5	58.0
		2	Pacific Sanddab	nr	nr	nr	nr	nr	297.1	121.0	47.7
		3	Pacific Sanddab	1.67	527.5	11.6	5.07	nd	517.6	111.0	39.1
	TZ4	1	Pacific Sanddab	3.82	578.5	13.6	2.60	nd	546.5	91.5	34.4
		2	Pacific Sanddab	7.24	693.0	15.7	3.90	nd	572.4	nd	32.8
		3	Pacific Sanddab	nd	395.3	12.7	4.10	nd	257.9	nd	47.5
		Detection Rate (%)	64	100	100	100	18	100	83	100	
SBOO	TZ5	1	Fantail Sole	nd	35.6	2.4	nd	nd	23.1	nd	6.3
		2	Hornyhead Turbot	nd	32.3	7.1	nd	nd	13.3	nd	11.0
		3	Hornyhead Turbot	0.15	51.5	2.4	0.89	nd	15.8	330.5	17.2
	TZ6	1	Longfin Sanddab	nd	518.9	8.0	3.40	nd	550.9	nd	46.1
		2	Longfin Sanddab	3.36	384.7	7.7	1.39	nd	336.7	nd	45.8
		3	Longfin Sanddab	5.62	674.3	6.2	1.74	nd	438.1	nd	45.5
	TZ7	1	Longfin Sanddab	1.12	316.6	0.3	0.83	nd	526.9	nd	32.9
		2	Longfin Sanddab	4.34	312.4	4.7	1.55	nd	nr	nd	46.7
		3	Longfin Sanddab	6.17	484.5	5.6	1.98	nd	564.8	nd	48.6
	TZ8	1	Longfin Sanddab	1.19	500.3	20.6	2.06	nd	378.3	nd	28.8
		2	Longfin Sanddab	6.76	745.7	12.1	2.38	nd	479.8	nd	33.2
		3	Hornyhead Turbot	nd	32.9	36.1	nd	nd	22.7	nd	8.2
	TZ9	1	Fantail Sole	4.23	14.7	1.5	nd	nd	9.0	nd	1.4
		2	Hornyhead Turbot	nd	25.7	3.0	nd	nd	12.9	nd	3.8
		3	Spotted Turbot	0.67	11.1	3.8	nd	nd	22.5	40.8	2.2
			Detection Rate (%)	67	100	100	60	0	100	13	100

<sup>a</sup>Napthalene was not reportable in samples from TZ4-2, TZ4-3, and all samples from TZ5-TZ9.

## Addendum 8-5

Concentrations of metals (ppm) detected in muscle tissues of fishes collected from PLOO and SBOO rig fishing zones during 2017. See Appendix H.2 for MDLs; nd=not detected; nr= not reportable; na=not available.

RF Zone	Comp Species	Trace Metals																
		Al	Sb	As	Ba	Be	Cd	Cr	Cu	Fe	Pb	Mn	Hg	Ni	Se	Ag	Sn	Zn
PLOP	1	nd	nd	3.6	nd	nd	0.04	nd	nd	2.5	nd	nd	0.047	nd	0.4	nd	nd	3
	2	nd	0.4	5.3	nd	nd	0.06	0.05	nd	nd	nd	nd	0.045	nd	0.6	nd	nd	3
	3	nd	nd	5.0	nd	nd	0.05	0.06	nd	nd	nd	nd	0.048	nd	0.5	nd	nd	3
RF2	1	nd	nd	8.1	nd	nd	0.09	0.05	nd	nd	nd	nd	nr	nd	0.7	nd	nd	3
	2	nd	nd	9.1	nd	nd	0.10	nd	nd	6.0	nd	nd	nr	nd	0.6	nd	nd	3
	3	nd	nd	3.0	nd	nd	0.03	0.05	nd	3.0	nd	nd	0.131	nd	0.7	nd	nd	4
Detection Rate (%)		0	17	100	0	0	100	67	0	50	0	0	100	0	100	0	0	100
SBOO	1	nd	nd	5.4	nd	nd	0.06	0.09	1.7	4.5	nd	nd	0.104	nd	0.5	nd	nd	4
	2	nd	nd	3.5	nd	nd	0.05	nd	1.1	3.0	nd	nd	0.092	0.1	0.4	nd	nd	3
	3	nd	nd	2.9	nd	nd	0.04	nd	0.9	5.0	nd	nd	0.095	nd	nd	nd	nd	3
RF4	1	nd	nd	2.9	nd	nd	0.04	0.06	nd	nd	nd	nd	0.088	nd	0.5	nd	nd	4
	2	nd	nd	1.3	nd	nd	nd	nd	nd	nd	nd	nd	0.164	nd	0.6	nd	nd	3
	3	nd	nd	6.0	nd	nd	0.07	0.05	nd	nd	nd	nd	0.160	nd	0.6	nd	nd	3
Detection Rate (%)		0	0	100	0	0	83	50	50	50	0	0	100	17	83	0	0	100
OEHHA <sup>a</sup>		na	na	na	na	na	na	na	na	na	na	na	0.22	na	7.4	na	na	na
USFDA Action Limit <sup>b</sup>		na	na	na	na	na	na	na	na	na	na	na	1.0	na	na	na	na	na
Median IS <sup>b</sup>		na	na	1.4	na	na	1.0	1.0	20	na	na	na	0.50	na	0.3	na	175	70

<sup>a</sup>From the California OEHHA (Klasing and Brodberg 2008)

<sup>b</sup>From Mearns et al. 1991. USFDA action limits for mercury and all international standards are for shellfish, but are often applied to fish

## Addendum 8-6

Concentrations of pesticides (ppb), total PCB (ppb), total PAH (ppb, SBOO samples only), and lipids (% weight) detected in muscle tissues of fishes collected from PLOO and SBOO rig fishing zones during 2017. See Appendix H.2 for list of constituents with MDLs and Addendum 8-7 for values of individual constituents summed for total chlordane (tChlor), total DDT, total HCH, total PCB, and total PAH; nd = not detected; nr = not reportable; na = not available.

RF Zone	Comp	Species	Pesticides				tPCB	tPAH <sup>a</sup>	Lipids	
			tChlor	tDDT	HCB	tHCH				
PLOO	RF1	1	Vermilion Rockfish	0.01	2.0	nd	0.08	1.1	nd	0.3
		2	Vermilion Rockfish	nd	2.1	0.2	0.08	1.2	nd	0.3
		3	Vermilion Rockfish	nd	1.5	0.4	0.15	1.5	nd	0.3
	RF2	1	Vermilion Rockfish	nd	5.1	0.7	0.10	2.5	14.3	0.4
		2	Vermilion Rockfish	0.03	5.6	1.0	0.10	2.1	168.3	1.0
		3	Mixed Rockfish	nd	5.2	0.8	0.19	3.0	360.1	0.5
		Detection Rate (%)		33	100	83	100	100	50	100
SBOO	RF3	1	California Scorpionfish	nd	3.4	nd	nd	2.7	22.7	0.6
		2	California Scorpionfish	0.01	2.4	0.3	nd	1.7	nd	0.7
		3	California Scorpionfish	nd	3.2	0.3	nd	2.3	nd	0.7
	RF4	1	Gopher Rockfish	nd	1.6	nd	0.06	1.1	nd	0.8
		2	Treefish	nd	6.5	nd	0.05	2.7	15.0	1.0
		3	Mixed Rockfish	0.07	2.9	0.1	0.05	2.9	15.2	0.9
		Detection Rate (%)		33	100	50	50	100	50	100
OEHHA <sup>b</sup>				5.6	21	na	na	3.6	na	—
USFDA Action Limit <sup>c</sup>				300	5000	na	na	na	na	—
Median International Standard <sup>c</sup>				100	5000	na	na	na	na	—

<sup>a</sup>Naphtalene was not reportable for samples from RF1-1, RF1-2

<sup>b</sup>From the California OEHHA (Klasing and Brodberg 2008)

<sup>c</sup>From Mearns et al. 1991. USFDA action limits for mercury and all international standards are for shellfish, but are often applied to fish

## Addendum 8-7

Summary of constituents that make up total Chlordane, total DDT, total HCH, total PCB, and total PAH in composite (Comp) tissue samples from the PLOO and SBOO regions during 2017.

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
RF1	1	Vermilion Rockfish	Muscle	Chlordane	Alpha(cis)Chlordane	0.01	ppb
RF1	1	Vermilion Rockfish	Muscle	DDT	p,p-DDE	1.95	ppb
RF1	1	Vermilion Rockfish	Muscle	DDT	p,p-DDT	0.02	ppb
RF1	1	Vermilion Rockfish	Muscle	HCH	HCH, Beta isomer	0.07	ppb
RF1	1	Vermilion Rockfish	Muscle	HCH	HCH, Gamma isomer	0.01	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 66	0.06	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 101	0.05	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 110	0.03	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 118	0.11	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 138	0.14	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 149	0.07	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 153/168	0.17	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 170	0.06	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 180	0.17	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 187	0.08	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 194	0.05	ppb
RF1	1	Vermilion Rockfish	Muscle	PCB	PCB 206	0.13	ppb
RF1	2	Vermilion Rockfish	Muscle	DDT	o,p-DDD	0.02	ppb
RF1	2	Vermilion Rockfish	Muscle	DDT	p,-p-DDMU	0.09	ppb
RF1	2	Vermilion Rockfish	Muscle	DDT	p,p-DDD	0.04	ppb
RF1	2	Vermilion Rockfish	Muscle	DDT	p,p-DDE	1.98	ppb
RF1	2	Vermilion Rockfish	Muscle	HCH	HCH, Beta isomer	0.08	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 52	0.04	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 66	0.04	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 74	0.01	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 99	0.08	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 101	0.04	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 118	0.07	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 138	0.16	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 149	0.09	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 153/168	0.38	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 156	0.02	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 170	0.07	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 194	0.04	ppb
RF1	2	Vermilion Rockfish	Muscle	PCB	PCB 206	0.12	ppb
RF1	3	Vermilion Rockfish	Muscle	DDT	p,p-DDE	1.52	ppb
RF1	3	Vermilion Rockfish	Muscle	HCH	HCH, Alpha isomer	0.07	ppb
RF1	3	Vermilion Rockfish	Muscle	HCH	HCH, Beta isomer	0.08	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 28	0.06	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 37	0.03	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 66	0.06	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 70	0.03	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 74	0.02	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 77	0.04	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 105	0.06	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 118	0.14	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 138	0.15	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 153/168	0.35	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 170	0.07	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 180	0.19	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 187	0.07	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 189	0.03	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 194	0.04	ppb
RF1	3	Vermilion Rockfish	Muscle	PCB	PCB 206	0.12	ppb
RF2	1	Vermilion Rockfish	Muscle	DDT	p,p-DDD	0.04	ppb
RF2	1	Vermilion Rockfish	Muscle	DDT	p,p-DDE	5.09	ppb
RF2	1	Vermilion Rockfish	Muscle	HCH	HCH, Beta isomer	0.10	ppb
RF2	1	Vermilion Rockfish	Muscle	PAH	Fluorene	14.30	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 49	0.02	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 52	0.04	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 66	0.07	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 99	0.12	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 101	0.11	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 128	0.06	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 138	0.43	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 149	0.11	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 153/168	0.69	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 156	0.04	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 157	0.02	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 170	0.11	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 180	0.24	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 187	0.18	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 194	0.09	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 201	0.04	ppb
RF2	1	Vermilion Rockfish	Muscle	PCB	PCB 206	0.12	ppb
RF2	2	Vermilion Rockfish	Muscle	Chlordane	Alpha(cis)Chlordane	0.03	ppb
RF2	2	Vermilion Rockfish	Muscle	DDT	o,p-DDE	0.04	ppb
RF2	2	Vermilion Rockfish	Muscle	DDT	p,-p-DDMU	0.24	ppb
RF2	2	Vermilion Rockfish	Muscle	DDT	p,p-DDD	0.11	ppb
RF2	2	Vermilion Rockfish	Muscle	DDT	p,p-DDE	5.27	ppb
RF2	2	Vermilion Rockfish	Muscle	HCH	HCH, Beta isomer	0.10	ppb
RF2	2	Vermilion Rockfish	Muscle	PAH	Acenaphthene	33.00	ppb
RF2	2	Vermilion Rockfish	Muscle	PAH	Benzo[A]pyrene	20.70	ppb
RF2	2	Vermilion Rockfish	Muscle	PAH	Fluoranthene	24.40	ppb
RF2	2	Vermilion Rockfish	Muscle	PAH	Fluorene	34.60	ppb
RF2	2	Vermilion Rockfish	Muscle	PAH	Phenanthrene	28.40	ppb
RF2	2	Vermilion Rockfish	Muscle	PAH	Pyrene	27.20	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 66	0.07	ppb



**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 99	0.07	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 101	0.05	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 105	0.08	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 118	0.16	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 119	0.01	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 128	0.04	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 138	0.35	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 149	0.10	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 151	0.01	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 153/168	0.53	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 167	0.02	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 170	0.05	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 180	0.19	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 187	0.19	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 194	0.08	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 201	0.01	ppb
RF2	2	Vermilion Rockfish	Muscle	PCB	PCB 206	0.13	ppb
RF2	3	Mixed Rockfish	Muscle	DDT	o,p-DDE	0.04	ppb
RF2	3	Mixed Rockfish	Muscle	DDT	p,-p-DDMU	0.12	ppb
RF2	3	Mixed Rockfish	Muscle	DDT	p,p-DDD	0.10	ppb
RF2	3	Mixed Rockfish	Muscle	DDT	p,p-DDE	4.91	ppb
RF2	3	Mixed Rockfish	Muscle	DDT	p,p-DDT	0.08	ppb
RF2	3	Mixed Rockfish	Muscle	HCH	HCH, Alpha isomer	0.09	ppb
RF2	3	Mixed Rockfish	Muscle	HCH	HCH, Beta isomer	0.10	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	3,4-benzo(B)fluoranthene	47.90	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	Acenaphthylene	15.80	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	Benzo[A]pyrene	26.10	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	Benzo[K]fluoranthene	53.80	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	Dibenzo(A,H)anthracene	76.80	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	Fluoranthene	16.30	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	Fluorene	33.00	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	Indeno(1,2,3-CD)pyrene	67.80	ppb
RF2	3	Mixed Rockfish	Muscle	PAH	Phenanthrene	22.60	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 28	0.05	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 37	0.04	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 44	0.03	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 49	0.09	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 52	0.07	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 66	0.05	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 70	0.06	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 74	0.02	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 99	0.16	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 101	0.17	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 110	0.11	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 118	0.27	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 138	0.34	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 149	0.16	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 153/168	0.76	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 156	0.03	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 167	0.01	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 170	0.07	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 180	0.15	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 183	0.05	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 187	0.16	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 189	0.03	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 194	0.07	ppb
RF2	3	Mixed Rockfish	Muscle	PCB	PCB 206	0.08	ppb
RF3	1	California Scorpionfish	Muscle	DDT	p,-p-DDMU	0.20	ppb
RF3	1	California Scorpionfish	Muscle	DDT	p,p-DDE	3.22	ppb
RF3	1	California Scorpionfish	Muscle	PAH	Fluorene	22.70	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 49	0.04	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 118	0.34	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 126	0.04	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 128	0.07	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 138	0.38	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 153/168	0.73	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 167	0.04	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 169	0.08	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 170	0.11	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 180	0.24	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 187	0.21	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 189	0.23	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 194	0.12	ppb
RF3	1	California Scorpionfish	Muscle	PCB	PCB 206	0.11	ppb
RF3	2	California Scorpionfish	Muscle	Chlordane	TransNonachlor	0.01	ppb
RF3	2	California Scorpionfish	Muscle	DDT	p,p-DDE	2.41	ppb
RF3	2	California Scorpionfish	Muscle	DDT	p,p-DDT	0.02	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 99	0.07	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 101	0.03	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 118	0.10	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 138	0.27	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 149	0.01	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 153/168	0.54	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 156	0.04	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 180	0.14	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 183	0.02	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 187	0.13	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 189	0.22	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 194	0.06	ppb
RF3	2	California Scorpionfish	Muscle	PCB	PCB 206	0.13	ppb

**Addendum 8-7** *continued*

<b>Zone</b>	<b>Comp</b>	<b>Species</b>	<b>Tissue</b>	<b>Class</b>	<b>Constituent</b>	<b>Value</b>	<b>Units</b>
RF3	3	California Scorpionfish	Muscle	DDT	p,p-DDD	0.08	ppb
RF3	3	California Scorpionfish	Muscle	DDT	p,p-DDE	3.08	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 49	0.05	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 52	0.03	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 66	0.07	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 118	0.09	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 128	0.07	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 138	0.27	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 149	0.03	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 153/168	0.67	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 170	0.12	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 180	0.24	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 187	0.16	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 189	0.34	ppb
RF3	3	California Scorpionfish	Muscle	PCB	PCB 206	0.12	ppb
RF4	1	Gopher Rockfish	Muscle	DDT	p,p-DDE	1.57	ppb
RF4	1	Gopher Rockfish	Muscle	HCH	HCH, Beta isomer	0.06	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 49	0.02	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 52	0.02	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 66	0.04	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 99	0.11	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 118	0.06	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 128	0.03	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 138	0.11	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 149	0.03	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 153/168	0.22	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 169	0.06	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 170	0.06	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 180	0.07	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 187	0.06	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 189	0.08	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 194	0.03	ppb
RF4	1	Gopher Rockfish	Muscle	PCB	PCB 206	0.12	ppb
RF4	2	Treefish	Muscle	DDT	o,p-DDE	0.06	ppb
RF4	2	Treefish	Muscle	DDT	p,-p-DDMU	0.11	ppb
RF4	2	Treefish	Muscle	DDT	p,p-DDD	0.08	ppb
RF4	2	Treefish	Muscle	DDT	p,p-DDE	6.25	ppb
RF4	2	Treefish	Muscle	HCH	HCH, Beta isomer	0.05	ppb
RF4	2	Treefish	Muscle	PAH	Fluorene	15.00	ppb
RF4	2	Treefish	Muscle	PCB	PCB 52	0.05	ppb
RF4	2	Treefish	Muscle	PCB	PCB 66	0.08	ppb
RF4	2	Treefish	Muscle	PCB	PCB 74	0.04	ppb
RF4	2	Treefish	Muscle	PCB	PCB 99	0.10	ppb
RF4	2	Treefish	Muscle	PCB	PCB 105	0.09	ppb
RF4	2	Treefish	Muscle	PCB	PCB 110	0.07	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
RF4	2	Treefish	Muscle	PCB	PCB 118	0.33	ppb
RF4	2	Treefish	Muscle	PCB	PCB 126	0.01	ppb
RF4	2	Treefish	Muscle	PCB	PCB 128	0.11	ppb
RF4	2	Treefish	Muscle	PCB	PCB 138	0.32	ppb
RF4	2	Treefish	Muscle	PCB	PCB 149	0.13	ppb
RF4	2	Treefish	Muscle	PCB	PCB 151	0.02	ppb
RF4	2	Treefish	Muscle	PCB	PCB 153/168	0.72	ppb
RF4	2	Treefish	Muscle	PCB	PCB 156	0.03	ppb
RF4	2	Treefish	Muscle	PCB	PCB 167	0.03	ppb
RF4	2	Treefish	Muscle	PCB	PCB 177	0.05	ppb
RF4	2	Treefish	Muscle	PCB	PCB 180	0.19	ppb
RF4	2	Treefish	Muscle	PCB	PCB 187	0.15	ppb
RF4	2	Treefish	Muscle	PCB	PCB 194	0.07	ppb
RF4	2	Treefish	Muscle	PCB	PCB 201	0.03	ppb
RF4	2	Treefish	Muscle	PCB	PCB 206	0.08	ppb
RF4	3	Mixed Rockfish	Muscle	Chlordane	TransNonachlor	0.07	ppb
RF4	3	Mixed Rockfish	Muscle	DDT	p,p-DDE	2.95	ppb
RF4	3	Mixed Rockfish	Muscle	HCH	HCH, Beta isomer	0.05	ppb
RF4	3	Mixed Rockfish	Muscle	PAH	Fluorene	15.20	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 99	0.29	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 101	0.12	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 118	0.56	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 128	0.08	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 138	0.46	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 149	0.05	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 153/168	0.69	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 156	0.05	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 157	0.03	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 167	0.03	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 170	0.07	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 180	0.11	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 183	0.06	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 187	0.12	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 189	0.05	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 194	0.05	ppb
RF4	3	Mixed Rockfish	Muscle	PCB	PCB 206	0.07	ppb
TZ1	1	Pacific Sanddab	Liver	DDT	o,p-DDE	1.40	ppb
TZ1	1	Pacific Sanddab	Liver	DDT	p,-p-DDMU	13.90	ppb
TZ1	1	Pacific Sanddab	Liver	DDT	p,p-DDD	3.90	ppb
TZ1	1	Pacific Sanddab	Liver	DDT	p,p-DDE	512.00	ppb
TZ1	1	Pacific Sanddab	Liver	DDT	p,p-DDT	4.42	ppb
TZ1	1	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	1.02	ppb
TZ1	1	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	2.49	ppb
TZ1	1	Pacific Sanddab	Liver	PAH	Naphthalene	110.00	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 28	1.52	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 49	3.29	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 52	4.37	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 66	5.99	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 70	2.41	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 74	2.67	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 87	3.06	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 99	30.30	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 101	15.60	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 105	20.20	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 110	7.59	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 118	48.80	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 123	5.78	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 128	13.90	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 138	63.80	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 149	7.01	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 151	1.80	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 153/168	123.00	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 156	8.06	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 157	2.37	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 158	4.47	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 167	4.00	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 170	29.00	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 177	8.09	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 180	105.00	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 183	25.10	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 187	66.00	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 189	0.84	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 194	50.90	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 201	2.19	ppb
TZ1	1	Pacific Sanddab	Liver	PCB	PCB 206	38.20	ppb
TZ1	2	Pacific Sanddab	Liver	Chlordane	TransNonachlor	4.96	ppb
TZ1	2	Pacific Sanddab	Liver	DDT	o,p-DDE	0.59	ppb
TZ1	2	Pacific Sanddab	Liver	DDT	p,-p-DDMU	12.80	ppb
TZ1	2	Pacific Sanddab	Liver	DDT	p,p-DDD	2.73	ppb
TZ1	2	Pacific Sanddab	Liver	DDT	p,p-DDE	407.00	ppb
TZ1	2	Pacific Sanddab	Liver	DDT	p,p-DDT	3.56	ppb
TZ1	2	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	0.98	ppb
TZ1	2	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	2.39	ppb
TZ1	2	Pacific Sanddab	Liver	PAH	Naphthalene	101.00	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 28	1.32	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 49	1.92	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 52	2.08	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 66	3.87	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 70	1.53	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 74	1.34	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 77	0.31	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 87	1.19	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 99	15.10	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 101	7.24	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 105	8.92	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 110	3.95	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 114	0.46	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 118	26.20	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 123	3.81	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 128	12.70	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 138	39.00	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 149	3.57	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 153/168	69.30	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 156	5.35	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 157	1.14	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 167	3.09	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 170	10.90	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 180	28.10	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 183	8.01	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 187	21.90	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 189	0.35	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 194	11.10	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 201	0.60	ppb
TZ1	2	Pacific Sanddab	Liver	PCB	PCB 206	11.20	ppb
TZ1	3	Pacific Sanddab	Liver	Chlordane	Oxychlordane	0.89	ppb
TZ1	3	Pacific Sanddab	Liver	Chlordane	TransNonachlor	6.10	ppb
TZ1	3	Pacific Sanddab	Liver	DDT	o,p-DDE	1.68	ppb
TZ1	3	Pacific Sanddab	Liver	DDT	p,-p-DDMU	13.30	ppb
TZ1	3	Pacific Sanddab	Liver	DDT	p,p-DDD	4.57	ppb
TZ1	3	Pacific Sanddab	Liver	DDT	p,p-DDE	430.00	ppb
TZ1	3	Pacific Sanddab	Liver	DDT	p,p-DDT	17.20	ppb
TZ1	3	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	1.01	ppb
TZ1	3	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	1.88	ppb
TZ1	3	Pacific Sanddab	Liver	PAH	Naphthalene	130.00	ppb
TZ1	3	Pacific Sanddab	Liver	PAH	Phenanthrene	47.30	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 28	1.44	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 44	0.72	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 49	3.08	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 52	2.32	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 66	5.11	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 70	1.83	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 74	1.36	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 87	1.59	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 99	19.30	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 101	9.62	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 105	8.03	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 110	6.47	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 118	24.80	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 123	3.25	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 128	17.00	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 138	41.90	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 149	6.25	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 151	0.87	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 153/168	80.70	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 156	4.69	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 157	1.42	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 158	2.30	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 167	3.10	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 170	11.70	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 177	5.29	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 180	34.60	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 183	8.75	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 187	27.00	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 194	14.80	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 201	0.81	ppb
TZ1	3	Pacific Sanddab	Liver	PCB	PCB 206	12.40	ppb
TZ2	1	Pacific Sanddab	Liver	DDT	o,p-DDE	1.18	ppb
TZ2	1	Pacific Sanddab	Liver	DDT	p,-p-DDMU	8.95	ppb
TZ2	1	Pacific Sanddab	Liver	DDT	p,p-DDD	1.96	ppb
TZ2	1	Pacific Sanddab	Liver	DDT	p,p-DDE	381.00	ppb
TZ2	1	Pacific Sanddab	Liver	DDT	p,p-DDT	2.98	ppb
TZ2	1	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	0.90	ppb
TZ2	1	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	1.66	ppb
TZ2	1	Pacific Sanddab	Liver	PAH	Naphthalene	114.00	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 28	1.16	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 52	1.29	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 66	3.58	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 70	1.19	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 74	1.05	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 99	11.20	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 101	5.40	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 105	6.30	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 110	2.85	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 118	16.90	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 119	1.08	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 123	3.07	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 128	13.70	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 138	30.40	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 149	2.80	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 151	0.50	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 153/168	65.40	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 156	3.61	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 157	0.92	ppb

**Addendum 8-7** *continued*

<b>Zone</b>	<b>Comp</b>	<b>Species</b>	<b>Tissue</b>	<b>Class</b>	<b>Constituent</b>	<b>Value</b>	<b>Units</b>
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 158	1.49	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 167	2.32	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 170	9.04	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 177	3.71	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 180	25.10	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 183	6.73	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 187	21.90	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 194	9.38	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 201	0.44	ppb
TZ2	1	Pacific Sanddab	Liver	PCB	PCB 206	8.25	ppb
TZ2	2	Pacific Sanddab	Liver	DDT	o,p-DDE	0.81	ppb
TZ2	2	Pacific Sanddab	Liver	DDT	o,p-DDT	1.05	ppb
TZ2	2	Pacific Sanddab	Liver	DDT	p,-p-DDMU	13.00	ppb
TZ2	2	Pacific Sanddab	Liver	DDT	p,p-DDD	2.50	ppb
TZ2	2	Pacific Sanddab	Liver	DDT	p,p-DDE	390.00	ppb
TZ2	2	Pacific Sanddab	Liver	DDT	p,p-DDT	3.30	ppb
TZ2	2	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	0.67	ppb
TZ2	2	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	2.19	ppb
TZ2	2	Pacific Sanddab	Liver	PAH	Naphthalene	112.00	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 28	1.09	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 49	1.83	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 52	2.42	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 66	3.30	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 70	2.35	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 74	1.18	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 99	16.00	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 101	10.80	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 105	8.07	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 110	6.93	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 118	24.60	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 123	3.40	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 128	9.32	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 138	34.00	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 149	4.21	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 153/168	73.50	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 158	2.18	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 167	1.95	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 170	7.36	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 177	3.88	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 180	27.10	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 183	8.51	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 187	28.70	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 194	9.28	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 201	0.51	ppb
TZ2	2	Pacific Sanddab	Liver	PCB	PCB 206	7.94	ppb



**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ2	3	Pacific Sanddab	Liver	Chlordane	TransNonachlor	5.86	ppb
TZ2	3	Pacific Sanddab	Liver	DDT	o,p-DDE	0.88	ppb
TZ2	3	Pacific Sanddab	Liver	DDT	p,-p-DDMU	8.72	ppb
TZ2	3	Pacific Sanddab	Liver	DDT	p,p-DDD	2.44	ppb
TZ2	3	Pacific Sanddab	Liver	DDT	p,p-DDE	424.00	ppb
TZ2	3	Pacific Sanddab	Liver	DDT	p,p-DDT	3.27	ppb
TZ2	3	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	1.70	ppb
TZ2	3	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	2.99	ppb
TZ2	3	Pacific Sanddab	Liver	PAH	Naphthalene	116.00	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 49	2.07	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 52	2.03	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 66	5.72	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 74	1.65	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 87	1.16	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 99	23.20	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 101	9.75	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 105	15.50	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 110	2.51	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 118	49.60	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 123	5.04	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 128	18.80	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 138	48.80	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 149	3.13	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 151	0.66	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 153/168	82.60	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 156	7.04	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 157	1.54	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 158	3.92	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 167	2.98	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 170	13.00	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 177	2.67	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 180	30.60	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 183	6.48	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 187	17.50	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 194	8.22	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 201	0.81	ppb
TZ2	3	Pacific Sanddab	Liver	PCB	PCB 206	7.73	ppb
TZ3	1	Pacific Sanddab	Liver	Chlordane	Alpha(cis)Chlordane	1.99	ppb
TZ3	1	Pacific Sanddab	Liver	Chlordane	TransNonachlor	9.49	ppb
TZ3	1	Pacific Sanddab	Liver	DDT	o,p-DDE	1.98	ppb
TZ3	1	Pacific Sanddab	Liver	DDT	p,-p-DDMU	17.30	ppb
TZ3	1	Pacific Sanddab	Liver	DDT	p,p-DDD	5.14	ppb
TZ3	1	Pacific Sanddab	Liver	DDT	p,p-DDE	529.00	ppb
TZ3	1	Pacific Sanddab	Liver	DDT	p,p-DDT	3.29	ppb
TZ3	1	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	1.46	ppb
TZ3	1	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	3.07	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ3	1	Pacific Sanddab	Liver	PAH	2,6-dimethylnaphthalene	68.10	ppb
TZ3	1	Pacific Sanddab	Liver	PAH	Acenaphthylene	52.90	ppb
TZ3	1	Pacific Sanddab	Liver	PAH	Biphenyl	63.20	ppb
TZ3	1	Pacific Sanddab	Liver	PAH	Fluorene	31.30	ppb
TZ3	1	Pacific Sanddab	Liver	PAH	Naphthalene	160.00	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 28	1.50	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 49	2.84	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 52	3.61	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 66	5.65	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 70	2.45	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 74	1.81	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 87	2.89	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 99	23.80	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 101	15.60	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 105	11.70	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 110	9.20	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 118	37.50	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 119	1.91	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 123	4.69	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 128	15.10	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 138	45.40	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 149	10.30	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 151	3.18	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 153/168	90.90	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 157	1.38	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 158	3.09	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 167	2.43	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 170	13.80	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 177	6.07	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 180	36.70	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 183	9.38	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 187	28.40	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 194	11.40	ppb
TZ3	1	Pacific Sanddab	Liver	PCB	PCB 206	8.08	ppb
TZ3	2	Pacific Sanddab	Liver	PAH	Naphthalene	121.00	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 49	2.81	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 52	3.15	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 66	3.73	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 70	1.78	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 74	1.28	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 87	1.72	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 99	16.20	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 101	9.62	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 105	6.54	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 110	6.01	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 118	20.20	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 128	7.67	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 138	34.50	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 149	7.48	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 151	2.47	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 153/168	73.60	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 156	3.71	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 157	1.07	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 158	2.22	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 167	2.25	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 170	10.50	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 180	26.80	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 183	9.19	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 187	25.80	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 194	7.84	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 201	0.27	ppb
TZ3	2	Pacific Sanddab	Liver	PCB	PCB 206	8.68	ppb
TZ3	3	Pacific Sanddab	Liver	Chlordane	Alpha(cis)Chlordane	1.67	ppb
TZ3	3	Pacific Sanddab	Liver	DDT	o,p-DDE	2.77	ppb
TZ3	3	Pacific Sanddab	Liver	DDT	o,p-DDT	0.98	ppb
TZ3	3	Pacific Sanddab	Liver	DDT	p,-p-DDMU	13.90	ppb
TZ3	3	Pacific Sanddab	Liver	DDT	p,p-DDD	2.74	ppb
TZ3	3	Pacific Sanddab	Liver	DDT	p,p-DDE	504.00	ppb
TZ3	3	Pacific Sanddab	Liver	DDT	p,p-DDT	3.15	ppb
TZ3	3	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	2.11	ppb
TZ3	3	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	2.96	ppb
TZ3	3	Pacific Sanddab	Liver	PAH	Naphthalene	111.00	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 49	5.22	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 52	5.91	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 66	6.57	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 70	4.09	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 74	2.58	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 87	3.08	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 99	25.50	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 101	19.50	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 105	12.30	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 110	10.30	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 118	44.30	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 123	5.30	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 128	20.40	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 138	55.60	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 149	14.70	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 151	1.84	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 153/168	112.00	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 156	8.48	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 157	2.22	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 158	2.69	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 167	4.38	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 169	4.31	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 170	17.70	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 177	8.37	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 180	42.50	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 183	10.80	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 187	34.40	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 194	16.80	ppb
TZ3	3	Pacific Sanddab	Liver	PCB	PCB 206	15.80	ppb
TZ4	1	Pacific Sanddab	Liver	Chlordane	TransNonachlor	3.82	ppb
TZ4	1	Pacific Sanddab	Liver	DDT	o,p-DDE	1.31	ppb
TZ4	1	Pacific Sanddab	Liver	DDT	o,p-DDT	0.77	ppb
TZ4	1	Pacific Sanddab	Liver	DDT	p,-p-DDMU	12.60	ppb
TZ4	1	Pacific Sanddab	Liver	DDT	p,p-DDD	2.82	ppb
TZ4	1	Pacific Sanddab	Liver	DDT	p,p-DDE	557.00	ppb
TZ4	1	Pacific Sanddab	Liver	DDT	p,p-DDT	4.00	ppb
TZ4	1	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	2.60	ppb
TZ4	1	Pacific Sanddab	Liver	PAH	Naphthalene	91.50	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 28	2.43	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 49	4.01	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 52	5.17	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 66	8.47	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 70	2.72	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 74	2.58	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 87	2.05	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 99	29.70	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 101	13.60	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 105	12.80	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 110	7.67	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 118	44.60	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 119	0.76	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 123	6.38	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 128	19.40	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 138	62.40	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 149	6.76	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 151	3.14	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 153/168	104.00	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 156	6.56	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 157	2.13	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 158	3.46	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 167	4.94	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 169	5.11	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 170	18.60	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 177	7.19	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 180	56.70	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 183	15.00	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 187	45.50	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 194	20.90	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 201	2.01	ppb
TZ4	1	Pacific Sanddab	Liver	PCB	PCB 206	19.80	ppb
TZ4	2	Pacific Sanddab	Liver	Chlordane	TransNonachlor	7.24	ppb
TZ4	2	Pacific Sanddab	Liver	DDT	o,p-DDE	0.98	ppb
TZ4	2	Pacific Sanddab	Liver	DDT	o,p-DDT	1.03	ppb
TZ4	2	Pacific Sanddab	Liver	DDT	p,-p-DDMU	19.40	ppb
TZ4	2	Pacific Sanddab	Liver	DDT	p,p-DDD	4.09	ppb
TZ4	2	Pacific Sanddab	Liver	DDT	p,p-DDE	664.00	ppb
TZ4	2	Pacific Sanddab	Liver	DDT	p,p-DDT	3.50	ppb
TZ4	2	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	1.33	ppb
TZ4	2	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	2.57	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 49	3.14	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 52	3.04	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 66	7.09	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 70	1.82	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 74	1.90	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 99	23.70	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 101	10.40	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 105	11.40	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 110	5.76	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 118	34.40	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 123	6.01	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 128	14.10	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 138	61.00	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 149	8.21	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 151	2.37	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 153/168	128.00	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 156	8.83	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 157	1.94	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 158	2.91	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 167	4.32	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 170	21.50	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 177	10.40	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 180	70.90	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 183	17.10	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 187	54.00	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 189	2.63	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 194	30.50	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 201	2.53	ppb
TZ4	2	Pacific Sanddab	Liver	PCB	PCB 206	22.50	ppb
TZ4	3	Pacific Sanddab	Liver	DDT	o,p-DDE	1.35	ppb
TZ4	3	Pacific Sanddab	Liver	DDT	p,-p-DDMU	13.60	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ4	3	Pacific Sanddab	Liver	DDT	p,p-DDD	2.99	ppb
TZ4	3	Pacific Sanddab	Liver	DDT	p,p-DDE	374.00	ppb
TZ4	3	Pacific Sanddab	Liver	DDT	p,p-DDT	3.36	ppb
TZ4	3	Pacific Sanddab	Liver	HCH	HCH, Alpha isomer	1.46	ppb
TZ4	3	Pacific Sanddab	Liver	HCH	HCH, Beta isomer	2.64	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 49	1.90	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 52	2.45	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 66	3.89	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 70	1.09	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 74	1.49	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 99	10.60	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 101	5.66	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 105	5.75	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 110	3.32	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 118	19.50	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 123	2.30	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 128	5.98	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 138	33.30	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 149	5.86	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 153/168	65.80	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 156	4.01	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 157	0.75	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 167	0.90	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 169	3.30	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 170	9.30	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 177	3.79	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 180	25.20	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 183	5.83	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 187	17.00	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 189	1.56	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 194	9.79	ppb
TZ4	3	Pacific Sanddab	Liver	PCB	PCB 206	7.60	ppb
TZ5	1	Fantail Sole	Liver	DDT	o,p-DDE	0.12	ppb
TZ5	1	Fantail Sole	Liver	DDT	p,p-DDE	35.50	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 99	0.69	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 118	3.31	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 128	0.66	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 138	3.18	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 149	0.32	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 153/168	6.01	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 157	0.14	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 180	2.71	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 183	0.92	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 187	1.61	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 189	1.10	ppb
TZ5	1	Fantail Sole	Liver	PCB	PCB 194	1.02	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ5	1	Fantail Sole	Liver	PCB	PCB 206	1.48	ppb
TZ5	2	Hornyhead Turbot	Liver	DDT	p,-p-DDMU	1.74	ppb
TZ5	2	Hornyhead Turbot	Liver	DDT	p,p-DDE	30.60	ppb
TZ5	2	Hornyhead Turbot	Liver	PCB	PCB 118	1.43	ppb
TZ5	2	Hornyhead Turbot	Liver	PCB	PCB 153/168	5.54	ppb
TZ5	2	Hornyhead Turbot	Liver	PCB	PCB 170	0.65	ppb
TZ5	2	Hornyhead Turbot	Liver	PCB	PCB 180	1.89	ppb
TZ5	2	Hornyhead Turbot	Liver	PCB	PCB 187	1.44	ppb
TZ5	2	Hornyhead Turbot	Liver	PCB	PCB 189	0.70	ppb
TZ5	2	Hornyhead Turbot	Liver	PCB	PCB 194	0.70	ppb
TZ5	2	Hornyhead Turbot	Liver	PCB	PCB 206	0.94	ppb
TZ5	3	Hornyhead Turbot	Liver	Chlordane	TransNonachlor	0.15	ppb
TZ5	3	Hornyhead Turbot	Liver	DDT	o,p-DDE	0.87	ppb
TZ5	3	Hornyhead Turbot	Liver	DDT	p,-p-DDMU	0.44	ppb
TZ5	3	Hornyhead Turbot	Liver	DDT	p,p-DDE	50.20	ppb
TZ5	3	Hornyhead Turbot	Liver	HCH	HCH, Alpha isomer	0.33	ppb
TZ5	3	Hornyhead Turbot	Liver	HCH	HCH, Beta isomer	0.57	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	1-methylphenanthrene	29.40	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	2-methylnaphthalene	29.40	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	2,6-dimethylnaphthalene	25.00	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	Acenaphthene	43.00	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	Acenaphthylene	38.00	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	Anthracene	33.40	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	Biphenyl	39.20	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	Chrysene	22.60	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	Fluoranthene	26.30	ppb
TZ5	3	Hornyhead Turbot	Liver	PAH	Fluorene	44.20	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 66	0.27	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 74	0.08	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 99	0.64	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 101	1.43	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 118	1.95	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 138	1.38	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 149	0.53	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 153/168	5.14	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 156	0.12	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 180	1.36	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 187	1.90	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 189	1.48	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 194	0.55	ppb
TZ5	3	Hornyhead Turbot	Liver	PCB	PCB 206	0.99	ppb
TZ6	1	Longfin Sanddab	Liver	DDT	o,p-DDD	0.80	ppb
TZ6	1	Longfin Sanddab	Liver	DDT	o,p-DDE	4.58	ppb
TZ6	1	Longfin Sanddab	Liver	DDT	p,-p-DDMU	14.30	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ6	1	Longfin Sanddab	Liver	DDT	p,p-DDD	2.27	ppb
TZ6	1	Longfin Sanddab	Liver	DDT	p,p-DDE	492.00	ppb
TZ6	1	Longfin Sanddab	Liver	DDT	p,p-DDT	4.99	ppb
TZ6	1	Longfin Sanddab	Liver	HCH	HCH, Alpha isomer	1.13	ppb
TZ6	1	Longfin Sanddab	Liver	HCH	HCH, Beta isomer	2.27	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 28	1.92	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 49	1.06	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 52	1.88	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 66	5.49	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 70	0.98	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 74	2.44	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 99	27.60	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 101	9.58	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 105	16.90	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 110	3.77	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 114	1.33	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 118	45.40	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 123	6.74	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 128	15.80	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 138	74.40	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 149	6.43	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 151	2.86	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 153/168	124.00	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 156	10.20	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 157	2.97	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 158	5.15	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 167	5.48	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 169	7.14	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 170	16.80	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 177	6.74	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 180	53.90	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 183	11.00	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 187	41.00	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 189	2.31	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 194	19.90	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 201	1.61	ppb
TZ6	1	Longfin Sanddab	Liver	PCB	PCB 206	18.10	ppb
TZ6	2	Longfin Sanddab	Liver	Chlordane	TransNonachlor	3.36	ppb
TZ6	2	Longfin Sanddab	Liver	DDT	o,p-DDD	1.56	ppb
TZ6	2	Longfin Sanddab	Liver	DDT	o,p-DDE	4.21	ppb
TZ6	2	Longfin Sanddab	Liver	DDT	o,p-DDT	0.85	ppb
TZ6	2	Longfin Sanddab	Liver	DDT	p,-p-DDMU	8.99	ppb
TZ6	2	Longfin Sanddab	Liver	DDT	p,p-DDD	5.50	ppb
TZ6	2	Longfin Sanddab	Liver	DDT	p,p-DDE	359.00	ppb
TZ6	2	Longfin Sanddab	Liver	DDT	p,p-DDT	4.58	ppb
TZ6	2	Longfin Sanddab	Liver	HCH	HCH, Beta isomer	1.39	ppb



**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 49	1.08	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 52	1.44	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 66	4.05	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 70	0.79	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 74	1.29	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 99	18.90	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 101	6.35	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 105	11.90	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 110	2.74	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 118	33.20	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 123	3.45	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 128	11.90	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 138	50.80	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 149	5.80	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 153/168	85.10	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 156	6.70	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 157	2.43	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 158	3.50	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 167	3.36	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 169	3.13	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 170	10.10	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 177	4.25	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 180	22.90	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 183	6.02	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 187	20.30	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 189	2.16	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 194	6.70	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 201	0.40	ppb
TZ6	2	Longfin Sanddab	Liver	PCB	PCB 206	6.01	ppb
TZ6	3	Longfin Sanddab	Liver	Chlordane	TransNonachlor	5.62	ppb
TZ6	3	Longfin Sanddab	Liver	DDT	o,p-DDE	5.58	ppb
TZ6	3	Longfin Sanddab	Liver	DDT	p,p-DDMU	9.56	ppb
TZ6	3	Longfin Sanddab	Liver	DDT	p,p-DDD	5.58	ppb
TZ6	3	Longfin Sanddab	Liver	DDT	p,p-DDE	647.00	ppb
TZ6	3	Longfin Sanddab	Liver	DDT	p,p-DDT	6.56	ppb
TZ6	3	Longfin Sanddab	Liver	HCH	HCH, Beta isomer	1.74	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 49	1.06	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 52	1.94	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 66	5.28	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 70	0.80	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 74	2.27	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 99	18.70	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 101	6.75	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 105	11.00	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 110	3.37	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 118	37.40	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 123	5.46	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 128	12.40	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 138	59.10	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 149	6.89	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 153/168	114.00	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 156	7.23	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 157	1.41	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 158	3.15	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 167	4.03	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 169	5.12	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 170	12.50	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 177	5.18	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 180	35.70	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 183	11.60	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 187	38.90	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 189	1.71	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 194	12.60	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 201	1.24	ppb
TZ6	3	Longfin Sanddab	Liver	PCB	PCB 206	11.30	ppb
TZ7	1	Longfin Sanddab	Liver	Chlordane	CisNonachlor	1.12	ppb
TZ7	1	Longfin Sanddab	Liver	DDT	o,p-DDE	2.73	ppb
TZ7	1	Longfin Sanddab	Liver	DDT	o,p-DDT	1.35	ppb
TZ7	1	Longfin Sanddab	Liver	DDT	p,-p-DDMU	4.20	ppb
TZ7	1	Longfin Sanddab	Liver	DDT	p,p-DDD	2.15	ppb
TZ7	1	Longfin Sanddab	Liver	DDT	p,p-DDE	301.00	ppb
TZ7	1	Longfin Sanddab	Liver	DDT	p,p-DDT	5.20	ppb
TZ7	1	Longfin Sanddab	Liver	HCH	HCH, Beta isomer	0.83	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 28	1.55	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 49	1.77	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 52	2.31	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 66	4.56	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 70	0.86	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 74	2.09	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 87	1.38	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 99	27.10	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 101	10.20	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 105	14.40	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 110	3.74	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 118	46.30	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 123	5.62	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 128	12.70	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 138	66.20	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 151	4.48	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 153/168	130.00	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 156	6.49	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 157	2.51	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 158	5.42	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 167	4.31	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 169	7.21	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 170	17.90	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 177	7.12	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 180	49.00	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 183	15.20	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 187	43.40	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 194	18.10	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 201	1.59	ppb
TZ7	1	Longfin Sanddab	Liver	PCB	PCB 206	13.40	ppb
TZ7	2	Longfin Sanddab	Liver	Chlordane	TransNonachlor	4.34	ppb
TZ7	2	Longfin Sanddab	Liver	DDT	o,p-DDE	2.84	ppb
TZ7	2	Longfin Sanddab	Liver	DDT	o,p-DDT	0.82	ppb
TZ7	2	Longfin Sanddab	Liver	DDT	p,-p-DDMU	7.11	ppb
TZ7	2	Longfin Sanddab	Liver	DDT	p,p-DDD	3.11	ppb
TZ7	2	Longfin Sanddab	Liver	DDT	p,p-DDE	295.00	ppb
TZ7	2	Longfin Sanddab	Liver	DDT	p,p-DDT	3.49	ppb
TZ7	2	Longfin Sanddab	Liver	HCH	HCH, Beta isomer	1.55	ppb
TZ7	3	Longfin Sanddab	Liver	Chlordane	TransNonachlor	6.17	ppb
TZ7	3	Longfin Sanddab	Liver	DDT	o,p-DDD	0.91	ppb
TZ7	3	Longfin Sanddab	Liver	DDT	o,p-DDE	3.76	ppb
TZ7	3	Longfin Sanddab	Liver	DDT	p,-p-DDMU	8.57	ppb
TZ7	3	Longfin Sanddab	Liver	DDT	p,p-DDE	465.00	ppb
TZ7	3	Longfin Sanddab	Liver	DDT	p,p-DDT	6.22	ppb
TZ7	3	Longfin Sanddab	Liver	HCH	HCH, Beta isomer	1.98	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 28	1.88	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 49	2.19	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 52	3.15	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 66	6.15	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 70	1.09	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 74	2.50	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 99	32.00	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 101	10.80	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 105	13.60	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 110	6.21	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 118	45.40	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 123	6.28	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 128	14.20	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 138	70.80	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 149	8.92	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 151	6.67	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 153/168	135.00	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 156	7.10	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 157	1.68	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 158	3.97	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 167	5.30	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 169	6.97	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 170	20.90	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 177	10.40	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 180	49.80	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 183	14.20	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 187	48.10	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 194	16.80	ppb
TZ7	3	Longfin Sanddab	Liver	PCB	PCB 206	12.70	ppb
TZ8	1	Longfin Sanddab	Liver	Chlordane	Alpha(cis)Chlordane	0.92	ppb
TZ8	1	Longfin Sanddab	Liver	Chlordane	Gamma(trans)Chlordane	0.27	ppb
TZ8	1	Longfin Sanddab	Liver	DDT	o,p-DDD	1.00	ppb
TZ8	1	Longfin Sanddab	Liver	DDT	o,p-DDE	3.71	ppb
TZ8	1	Longfin Sanddab	Liver	DDT	o,p-DDT	1.70	ppb
TZ8	1	Longfin Sanddab	Liver	DDT	p,-p-DDMU	13.00	ppb
TZ8	1	Longfin Sanddab	Liver	DDT	p,p-DDD	3.47	ppb
TZ8	1	Longfin Sanddab	Liver	DDT	p,p-DDE	472.00	ppb
TZ8	1	Longfin Sanddab	Liver	DDT	p,p-DDT	5.38	ppb
TZ8	1	Longfin Sanddab	Liver	HCH	HCH, Beta isomer	2.06	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 49	1.43	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 52	1.62	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 66	4.92	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 70	1.23	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 74	1.59	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 99	19.30	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 101	7.36	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 105	10.40	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 110	4.51	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 118	29.10	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 123	4.83	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 128	10.90	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 138	46.00	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 149	6.34	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 151	3.05	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 153/168	89.30	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 156	5.85	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 157	2.20	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 158	2.99	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 167	3.13	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 170	13.00	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 177	5.28	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 180	36.10	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 183	10.30	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 187	29.90	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 189	2.71	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 194	13.60	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 201	1.13	ppb
TZ8	1	Longfin Sanddab	Liver	PCB	PCB 206	10.20	ppb
TZ8	2	Longfin Sanddab	Liver	Chlordane	TransNonachlor	6.76	ppb
TZ8	2	Longfin Sanddab	Liver	DDT	o,p-DDE	4.31	ppb
TZ8	2	Longfin Sanddab	Liver	DDT	p,p-DDMU	13.10	ppb
TZ8	2	Longfin Sanddab	Liver	DDT	p,p-DDD	3.85	ppb
TZ8	2	Longfin Sanddab	Liver	DDT	p,p-DDE	718.00	ppb
TZ8	2	Longfin Sanddab	Liver	DDT	p,p-DDT	6.49	ppb
TZ8	2	Longfin Sanddab	Liver	HCH	HCH, Beta isomer	1.93	ppb
TZ8	2	Longfin Sanddab	Liver	HCH	HCH, Gamma isomer	0.45	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 28	1.08	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 49	0.79	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 52	2.02	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 66	5.29	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 70	0.86	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 74	1.93	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 99	22.10	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 101	8.19	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 105	11.10	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 118	31.20	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 123	5.84	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 128	10.80	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 138	57.90	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 149	6.65	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 151	4.71	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 153/168	121.00	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 156	7.10	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 158	2.72	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 167	4.89	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 169	5.73	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 170	18.90	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 177	7.97	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 180	53.90	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 183	11.20	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 187	42.10	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 189	2.78	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 194	16.60	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 201	0.79	ppb
TZ8	2	Longfin Sanddab	Liver	PCB	PCB 206	13.70	ppb
TZ8	3	Hornyhead Turbot	Liver	DDT	p,p-DDMU	0.99	ppb
TZ8	3	Hornyhead Turbot	Liver	DDT	p,p-DDE	31.90	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 66	0.58	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 99	1.00	ppb

**Addendum 8-7** *continued*

Zone	Comp	Species	Tissue	Class	Constituent	Value	Units
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 118	1.64	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 138	2.84	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 149	0.84	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 153/168	7.12	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 170	0.88	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 180	2.12	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 183	0.30	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 187	2.75	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 189	1.09	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 194	0.57	ppb
TZ8	3	Hornyhead Turbot	Liver	PCB	PCB 206	0.95	ppb
TZ9	1	Fantail Sole	Liver	Chlordane	Methoxychlor	4.23	ppb
TZ9	1	Fantail Sole	Liver	DDT	p,p-DDE	14.70	ppb
TZ9	1	Fantail Sole	Liver	PCB	PCB 118	0.82	ppb
TZ9	1	Fantail Sole	Liver	PCB	PCB 128	0.30	ppb
TZ9	1	Fantail Sole	Liver	PCB	PCB 138	1.60	ppb
TZ9	1	Fantail Sole	Liver	PCB	PCB 153/168	3.31	ppb
TZ9	1	Fantail Sole	Liver	PCB	PCB 180	1.83	ppb
TZ9	1	Fantail Sole	Liver	PCB	PCB 189	0.79	ppb
TZ9	1	Fantail Sole	Liver	PCB	PCB 194	0.38	ppb
TZ9	2	Hornyhead Turbot	Liver	DDT	p,p-DDE	25.70	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 138	1.29	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 149	0.46	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 153/168	4.31	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 180	1.80	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 183	0.35	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 187	1.43	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 189	1.38	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 194	0.82	ppb
TZ9	2	Hornyhead Turbot	Liver	PCB	PCB 206	1.05	ppb
TZ9	3	Spotted Turbot	Liver	Chlordane	CisNonachlor	0.67	ppb
TZ9	3	Spotted Turbot	Liver	DDT	p,p-DDE	11.10	ppb
TZ9	3	Spotted Turbot	Liver	PAH	2-methylnaphthalene	40.80	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 66	0.41	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 74	0.04	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 118	1.84	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 128	0.47	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 138	3.40	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 149	1.06	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 153/168	7.55	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 180	2.10	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 187	2.10	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 189	1.44	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 194	0.93	ppb
TZ9	3	Spotted Turbot	Liver	PCB	PCB 206	1.18	ppb