Pg 1/1

Date: 2/15/04 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD

Tide: Low: am 1217 pm High: am 1948 pm Capt.: KOTRLJA/OLIVIO Crew: CUSHNER, + DERINGER SASHA CAR[redacted]

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance mi	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
CO1	18 58	29° 31.362 N 93° 42.996 W	45	19 37	29° 30.288 N 93° 41.611 W	49	39	2.6	2	40	E 10	N/A	3-5	14	14	OUT	13-18	N/A	E	NO	CLEAR
CO2	19 43	29° 30.277 N 93° 41.601 W	49	20 22	29° 31.666 N 93° 43.200 W	55	39	2.5	2	40	E 10	N/A	3-5	14	14	IN	13-18	N/A	E	NO	CLEAR
CO3	20 33	29° 31.417 N 93° 43.112 W	42	21 12	29° 30.450 N 93° 41.790 W	53	39	2.5	2	40	E 10	N/A	3-5	14	14	OUT	13-18	N/A	E	NO	CLEAR
CO4	21 17	29° 30.370 N 93° 41.814 W	47	21 56	29° 31.893 N 93° 43.451 W	52	39	2.6	2	39	E 10	N/A	3-5	14	14	IN	13-18	N/A	E	NO	CLEAR
CO5	22 00	29° 32.011 N 93° 43.451 W	42	22 41	29° 30.842 N 93° 42.253 W	51	41	2.5	2	38	E 10	N/A	3-5	14	14	OUT	13-18	N/A	E	NO	CLEAR *W/CATIT

PG 1/1

Date: 12/6/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD

Tide: Low: am pm High: am pm Capt.: OLIVIO KOTRULJA Crew: SASCHA CUSHNER + CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time min	Speed mid-tow KNOTS	Trawl Distance MILE	Air temp. °F	Wind Speed/Dir. KNOT	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	In/Out Direction	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
006	11:40	29° 30.380 N 93° 41.826 W	4.5	15:20	29° 31.648 N 93° 43.230 W	4.8	40	2.6	2	55	E 15-20	N/A	2-4	15		IN	13, 18	N/A	F	N	P: BLK DRUM (1) S: BLK DRUM (1)
007	15:29	29° 31.840 N 93° 43.492 W	4.8	16:10	29° 30.815 N 93° 42.203 W	5.0	40	2.4	2	55	E 15-20	N/A	2-4	15		OUT	13, 18	N/A	F	N	CLEAR
008	16:13	29° 30.747 N 93° 42.106 W	5.0	16:53	29° 29.645 N 93° 40.865 W	4.8	40	2.4	2	54	E 15-20	N/A	2-4	15		OUT	13, 18	N/A	F	N	S: BLK DRUM (1)
009	16:59	29° 29.594 N 93° 40.871 W	4.7	17:42	29° 30.826 N 93° 42.270 W	5.0	41	2.6	2	53	E 18-23	N/A	4-6	15		IN	13, 18	N/A	F	N	P: BLK DRUM & WEATHER (1)

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Date: 12/17/2004 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** (UNTIL 1851) **Bottom Type:** MUD

Tide: Low: — **am** 1347 **pm** **High:** — **am** 2140 **pm** **Capt.:** OLIVIO KOTRULJA **Crew:** SASCHA CUSHNER & CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MILE	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
01 0	12 16	29° 30.152 N 93° 41.463 W	49	12 54	29° 31.459 N 93° 42.901 W	47	3 6	2.5	2	55	NE 10-15	N/A	2-4	14	14	IN	13 18	N/A	S	NO	CLEAR
01 1	13 00	29° 31.488 N 93° 43.051 W	50	13 39	29° 30.357 N 93° 41.776 W	45	3 9	2.4	2	55	NE 10-15	N/A	2-4	14	14	OUT	13 18	N/A	S	NO	S = BLK DRUM (1) P = ∅
01 2	13 47	29° 30.184 N 93° 41.482 W	47	14 27	29° 31.562 N 93° 43.100 W	50	4 0	2.9	2	55	NE 10-15	N/A	2-4	14	14	IN	13 18	N/A	S	NO	S = BLK DRUM (4) P = SHEEPSHEAD (1)
01 3	14 36	29° 31.888 N 93° 43.388 W	4 1	15 15	29° 30.795 N 93° 42.116 W	49	3 9	2.7	2	55	NE 10-12	N/A	1-3	14	14	OUT	13 18	N/A	S	NO	CLEAR
01 4	15 21	29° 30.783 N 93° 42.054 W	4 0	15 59	29° 31.803 N 93° 43.514 W	42	3 8	2.8	2	55	NE 10-12	N/A	1-3	14	14	IN	13 18	N/A	F	NO	CLEAR
01 5	16 02	29° 31.691 N 93° 43.403 W	43	16 42	29° 30.598 N 93° 41.847 W	46	4 0	2.5	2	55	NE 10-12	N/A	1-3	14	14	OUT	13 18	N/A	F	NO	CLEAR
01 6	16 46	29° 30.477 N 93° 41.820 W	50	17 25	29° 31.565 N 93° 43.242 W	43	3 9	2.6	2	55	NE 10-12	N/A	1-3	14	14	IN	13 18	N/A	F	NO	CLEAR
01 7	18 27	29° 31.277 N 93° 43.907 W	40	19 09	29° 30.368 N 93° 42.128 W	39	4 2	2.5	2	54	NE 10-15	N/A	1-3	14	14	OUT	13 18	N/A	F	NO	S = ∅ P - BLK. DRUM (1)
01 8	19 13	29° 30.358 N 93° 42.057 W	38	19 54	29° 31.830 N 93° 43.430 W	52	4 1	2.8	2	54	NE 10-15	N/A	1-3	14	14	IN	13 18	13 18	F	NO	CLEAR
01 9	19 58	29° 31.842 N 93° 43.511 W	48	20 37	29° 30.713 N 93° 41.985 W	47	3 9	2.5	2	54	NE 10-15	N/A	1-2	14	14	OUT	13 18	13 18	F	NO	S = BLK DRUM (1) DD
02 0	20 46	29° 30.500 N 93° 41.748 W	42	21 25	29° 31.740 N 93° 43.360 W	51	3 9	2.7	2	53	NE 10-15	N/A	1-2	14	14	IN	13 18	13 18	F	NO	S - ∅ P - BLK DRUM (1)
02 1	21 34	29° 31.917 N 93° 43.116 W	46	22 14	29° 30.821 N 93° 42.106 W	44	4 0	2.7	2	52	NE 10-15	N/A	1-2	14	14	OUT	13 18	13 18	S	NO	CLEAR
02 2	22 21	29° 30.639 N 93° 41.868 W	39	23 03	29° 31.961 N 93° 43.765 W	43	4 2	3.0	2	51	NE 10-15	N/A	1-2	14	14	IN	13 18	13 18	E	NO	CLEAR
02 3	23 15	29° 31.814 N 93° 43.452 W	49	23 53	29° 30.630 N 93° 41.932 W	48	3 8	2.8	2	50	NE 10-15	N/A	1-2	14	14	OUT	13 18	13 18	E	NO	CLEAR

Pg 1/2

Date: 12/18/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: ~~3:15~~ am 1454 pm High: 0854 am 2203 pm Capt.: OLIVIO KOTRULA Crew: SASCHA CUSHNER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance ~ MILES	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
O_{24}	23 59	29° 30.544'N 93° 41.764'W	41	00 37	29°31.585'N 93°43.119'W	51	38	2.8	2	51	NE 5-10	N/A	1-2	16	16	IN	13. 18	13. 18	E	NO	CLEAR
O_{25}	00 48	29°31.833'N 93°43.353'W	51	01 26	29°30.155'N 93°42.182'W	47	38	2.6	2	51	NE 5-10	N/A	1-2	16	16	OUT	13. 18	13. 18	E	NO	P-(1) RED DRUM S-(1) BLK DRUM
O_{26}	01 47	29°30.206'N 93°41.145'W	37	02 27	29°31.262'N 93°42.654'W	41	40	2.8	2	52	NE 5-10	N/A	1-2	16	16	IN	13. 18	13. 18	E	NO	CLEAR
O_{27}	02 33	29°31.338'N 93°42.880'W	49	03 11	29°30.096'N 93°41.590'W	49	38	2.8	2	53	NE 5-10	N/A	1-2	16	16	OUT	13. 18	13. 18	S	NO	CLEAR
O_{28}	03 17	29°30.098'N 93°41.306'W	49	03 56	29°31.334'N 93°42.943'W	48	39	2.9	2	53	NE 5-10	N/A	1-2	16	16	IN	13. 18	13. 18	F	NO	CLEAR
O_{29}	04 00	29°31.382'N 93°42.806'W	49	04 41	29°30.072'N 93°41.363'W	48	41	2.9	2	54	NE 5-10	N/A	1-2	16	16	OUT	13. 18	13. 18	F	NO	(3) DRUM (1) CRAB
O_{30}	04 50	29°29.959'N 93°41.108'W	44	05 28	29°31.356'N 93°42.190'W	48	38	2.9	2	55	NE 5-10	N/A	1-2	16	16	IN	13. 18	13. 18	F	NO	CLEAR
O_{31}	05 35	29°31.180'N 93°42.734'W	47	06 15	29°30.218'N 93°41.407'W	47	40	2.7	2	55	NE 5-10	N/A	1-2	16	16	OUT	13. 18	13. 18	F	NO	CLEAR
O_{32}	06 20	29°30.007'N 93°41.147'W	44	06 59	29°31.040'N 93°42.352'W	42	39	2.8	2	56	LGT. VAR	N/A	1-2	16	16	IN	13. 18	13. 18	F	NO	CLEAR
O_{33}	07 07	29°31.180'N 93°42.661'W	49	07 49	29°29.866'N 93°41.180'W	47	42	2.7	2	58	LGT. VAR	N/A	1-2	16	16	OUT	13. 18	13. 18	F	NO	BLK. DRUM(2), RED DRUM(1), SHEEP'S HEAD(2)
O_{34}	08 15	29°30.478'N 93°41.532'W	48	08 56	29°31.309'N 93°42.954'W	42	41	3.0	2	59	LGT. VAR	N/A	1-2	16	16	IN	13. 18	13. 18	S	NO	CLEAR
O_{35}	09 01	29°31.410'N 93°43.052'W	42	09 29	29°30.730'N 93°42.420'W	39	27	2.5	2	59	LGT. VAR	N/A	1-2	16	16	OUT	13. 18	13. 18	E	NO	*HANG-ABORTED. TOW S-(2) SHEEPSHEAD (1) BLK DRUM P-(1) BLK DRUM
O_{36}	09 55	29°30.549'N 93°41.788'W	39	10 34	29°31.829'N 93°43.399'W	50	39	3.0	2	59	LGT. VAR	N/A	1-2	16	16	IN	13. 18	13. 18	E	NO	CLEAR
O_{37}	10 40	29°31.603'N 93°43.534'W	41	11 19	29°30.439'N 93°41.860'W	46	38	2.9	2	59	LGT. VAR	N/A	1-2	16	16	OUT	13. 18	13. 18	E	NO	CLEAR
O_{38}	11 22	29°30.520'N 93°41.768'W	45	12 01	29°31.576'N 93°43.528'W	40	39	2.6	2	60	LGT. VAR	N/A	1-2	16	16	IN	13. 18	13. 18	E	NO	CLEAR

Pg 2/2

Date: 2/18/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0315 am 1454 pm High: 0857 am 2203 pm Capt.: OLIVIO KOTRULJA Crew: SASCHA CUSTINEK

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MILES	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
039	1205	29°31.664'N 93°43.275'W	49	1244	29°30.404'N 93°41.605'W	50	39	3.0	2	61	NW 5-10	N/A	0-1	16	16	OUT	13, 18	13, 18	E	NO	CLEAR
040	1248	29°30.370'N 93°41.738'W	47	1327	29°31.667'N 93°43.320'W	46	39	2.9	2	62	NW 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	E	NO	S=BLACK DRUM(1) P=Ø
041	1331	29°31.772'N 93°43.219'W	49	1410	29°30.529'N 93°41.696'W	36	39	2.8	2	62	NW 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	E	NO	S BLK DRUM(1) P=Ø * TRAFFIC
042	1437	29°30.610'N 93°41.644'W	37	1519	29°31.759'N 93°43.373'W	50	42	2.9	2	62	NW 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	S	NO	S=BLK DRUM(1) P=Ø
043	1522	29°31.816'N 93°43.355'W	50	1601	29°30.492'N 93°41.867'W	47	39	2.9	2	62	NW 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	F	NO	CLEAR
044	1606	29°30.420'N 93°41.674'W	48	1645	29°31.638'N 93°43.188'W	50	39	2.8	2	62	NW 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	F	NO	S=BLK DRUM(1) P=Ø
045	1654	29°31.835'N 93°43.324'W	47	1735	29°30.657'N 93°41.838'W	37	41	2.7	2	61	NW 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	F	NO	CLEAR
046	1739	29°30.589'N 93°41.746'W	37	1818	29°31.843'N 93°43.425'W	51	39	2.7	2	60	NW 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	F	NO	CLEAR
047	1822	29°31.852'N 93°43.490'W	49	1900	29°30.661'N 93°41.956'W	50	38	2.7	2	59	NW 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	F	NO	CLEAR
048	1905	29°30.532'N 93°41.870'W	51	1944	29°31.759'N 93°43.312'W	52	39	2.8	2	58	NW 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	F	NO	CLEAR
049	1948	29°31.723'N 93°43.309'W	48	2027	29°30.356'N 93°41.822'W	50	39	2.6	2	57	NW 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	F	NO	CLEAR
050	2031	29°30.479'N 93°41.784'W	51	2110	29°31.674'N 93°43.197'W	51	39	2.7	2	56	NW 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	F	NO	S=Ø P=RED DRUM(1)
051	2114	29°31.714'N 93°43.252'W	52	2154	29°30.316'N 93°41.608'W	40	40	3.0	2	54	NW 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	F	NO	CLEAR
052	2157	29°30.315'N 93°41.657'W	51	2237	29°31.596'N 93°43.176'W	51	40	2.9	2	53	NW 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	S	NO	CLEAR
053	2244	29°31.797'N 93°43.358'W	52	2324	29°30.472'N 93°41.800'W	50	40	2.9	2	51	NW 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	E	NO	CLEAR

Pg 1/2

Date: 12/19/2004 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low: 0423 am 1602 pm **High:** 1001 am 2226 pm **Capt.:** CLIVIO NOTRUJA **Crew:** SASCHA CUSHNER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MILES	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
C54	23 27	29°30.422'N 93°41.669'W	49	00 05	29°31.579'N 93°43.205'W	47	3/8	2.8	2	50	NW 5-10	N/A	1-2	16	16	IN	13 18	13 18	E	NO	CLEAR
C55	00 15	29°31.749'N 93°43.345'W	51	00 53	29°30.579'N 93°41.823'W	50	3/8	2.9	2	49	NW 5-10	N/A	1-2	16	16	OUT	13 18	13 18	E	NO	BLK DRUM (2)
C56	01 00	29°30.385'N 93°41.660'W	50	01 40	29°31.737'N 93°43.356'W	49	4/8	2.8	2	49	NW 5-10	N/A	1-2	16	16	IN	13 18	13 18	E	NO	SHEEPSHEAD (6) + RED DRUM (1)
C57	01 50	29°31.822'N 93°43.510'W	48	02 30	29°30.490'N 93°41.788'W	49	4/8	3.0	2	50	NW 5-10	N/A	1-2	16	16	OUT	13 18	13 18	E	NO	CLEAR
C58	02 37	29°30.166'N 93°41.523'W	46	03 15	29°31.535'N 93°42.999'W	48	3/8	2.9	2	50	NW 5-10	N/A	1-2	16	16	IN	13 18	13 18	E	NO	CLEAR
C59	03 28	29°31.624'N 93°43.073'W	44	04 10	29°30.182'N 93°41.398'W	49	4/8	2.9	2	50	NW 5-10	N/A	1-2	16	16	OUT	13 18	13 18	S	NO	CATFISH (1) BLK DRUM (2)
C60	04 20	29°30.000'N 93°41.151'W	42	05 00	29°31.482'N 93°42.987'W	49	4/8	3.0	2	50	NW 5-10	N/A	1-2	16	16	IN	13 18	13 18	S	NO	CLEAR
C61	05 07	29°31.555'N 93°43.100'W	47	05 45	29°30.294'N 93°41.877'W	36	3/8	2.9	2	51	NW 5-10	N/A	1-2	16	16	OUT	13 18	13 18	F	NO	CLEAR
C62	06 00	29°29.976'N 93°41.681'W	36	06 40	29°31.808'N 93°43.394'W	50	4/8	3.0	2	52	NNW 5-10	N/A	1-2	16	16	IN	13 18	13 18	F	NO	CLEAR
C63	06 48	29°31.961'N 93°43.468'W	41	07 30	29°30.485'N 93°41.732'W	48	4/2	2.9	2	52	NNW 5-10	N/A	1-2	16	16	OUT	13 18	13 18	F	NO	CLEAR
C64	07 31	29°30.378'N 93°41.704'W	41	08 19	29°31.899'N 93°43.518'W	51	4/2	3.0	2	52	NNW 5-10	N/A	1-2	16	16	IN	13 18	13 18	F	NO	BLK DRUM (2) RED DRUM (2)
C65	08 30	29°31.527'N 93°43.103'W	49	09 12	29°30.170'N 93°41.601'W	47	4/2	2.7	2	53	NNW 10	N/A	1-2	16	16	OUT	13 18	13 18	F	NO	S = RED (1), BLK (1) DRUM P = BLK DRUM (1)
C66	09 22	29°30.301'N 93°41.532'W	49	10 02	29°31.572'N 93°43.051'W	49	4/0	2.8	2	53	NNW 10	N/A	1-3	16	16	IN	13 18	13 18	S	NO	CLEAR
C67	10 06	29°31.552'N 93°43.140'W	47	10 45	29°30.344'N 93°41.610'W	48	3/8	2.6	2	54	NNW 10	N/A	1-3	16	16	OUT	13 18	13 18	S	NO	S = BLK DRUM (1) P = BLK DRUM (1)
C68	10 48	29°30.385'N 93°41.656'W	50	11 28	29°31.588'N 93°43.183'W	49	4/0	2.9	2	54	NNW 10	N/A	2-3	16	16	IN	13 18	13 18	E	NO	S = BLK DRUM (1) P = BLK DRUM (1)

Date: 12/19/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 4:23 am 4:02 pm High: 10:01 am 10:26 pm Capt.: OLIVIO KOTRULIA Crew: SASCHA CUSHNER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance miles	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
069	11:44	29°31.032'N 93°42.400'W	49	12:23	29°29.643'N 93°40.899'W	47	39	3.0	2	55	NNW 10-15	N/A	3-4	16	16	OUT	13:18	13:18	E	NO	CLEAR
070	12:27	29°29.660'N 93°40.930'W	50	13:09	29°30.870'N 93°42.363'W	45	39	2.7	2	55	NNW 10-15	N/A	3-4	16	16	IN	13:18	13:18	E	NO	CLEAR
071	13:09	29°30.180'N 93°42.511'W	49	13:51	29°30.256'N 93°41.565'W	48	42	2.5	2	55	NNW 10-15	N/A	3-4	16	16	IN	13:18	13:18	E	NO	RED DRUM(2), BLK DRUM(1) SHEEPS (1)
072	14:07	29°29.790'N 93°40.940'W	48	14:46	29°30.842'N 93°42.242'W	49	39	2.5	2	56	NNW 10-15	N/A	3-4	16	16	IN	13:18	13:18	E	NO	CLEAR
073	14:49	29°30.920'N 93°42.356'W	48	15:28	29°30.302'N 93°41.683'W	45	39	3.0	2	56	NNW 10-15	N/A	3-4	16	16	IN	13:18	13:18	E	NO	CLEAR
074	15:32	29°30.351'N 93°41.707'W	47	16:12	29°31.634'N 93°43.216'W	49	40	2.7	2	56	NNW 10-15	N/A	3-4	16	16	IN	13:18	13:18	S	NO	CLEAR
075	16:20	29°31.927'N 93°43.420'W	43	16:58	29°30.590'N 93°41.983'W	47	38	2.8	2	55	NNW 10-15	N/A	3-4	16	16	OUT	13:18	13:18	F	NO	CLEAR
076	17:07	29°30.489'N 93°41.914'W	45	17:45	29°31.858'N 93°43.480'W	50	36	3.0	2	54	NNW 10-15	N/A	3-4	16	16	IN	13:18	13:18	F	NO	CLEAR
077	17:53	29°31.826'N 93°43.463'W	49	18:35	29°30.426'N 93°41.792'W	48	42	2.6	2	52	NNW 10-15	N/A	3-4	16	16	OUT	13:18	13:18	F	NO	P=(2) BLK DRUM S=(1) BLK DRUM
078	18:44	29°30.161'N 93°41.400'W	50	19:26	29°31.630'N 93°43.202'W	50	42	3.0	2	51	NNW 10-15	N/A	3-4	16	16	IN	13:18	13:18	F	NO	P=(2) BLK DRUM S=(1) BLK DRUM
079	19:40	29°31.962'N 93°43.526'W	49	20:22	29°30.503'N 93°41.540'W	51	42	3.0	2	50	NNW 10-15	N/A	3-4	16	16	OUT	13:18	13:18	F	NO	CLEAR
080	20:38	29°30.340'N 93°40.910'W	36	21:20	29°31.385'N 93°42.798'W	46	42	2.8	2	50	NNW 10-15	N/A	2-3	16	16	IN	13:18	13:18	F	NO	CLEAR
081	21:26	29°31.444'N 93°42.804'W	40	22:06	29°29.955'N 93°41.232'W	48	40	2.7	2	50	NNW 10-15	N/A	2-3	16	16	OUT	13:18	13:18	F	NO	CLEAR
082	22:12	29°29.988'N 93°41.194'W	51	22:54	29°31.471'N 93°43.018'W	50	42	3.0	2	49	NW 10-15	N/A	1-2	16	16	IN	13:18	13:18	S	NO	P=0 S=BLK DRUM(1)
083	23:04	29°31.495'N 93°43.014'W	50	23:44	29°30.217'N 93°41.496'W	52	40	3.0	2	49	NNW 5	N/A	1-2	16	16	OUT	13:18	13:18	E	NO	CLEAR

Pg 1/2

Date: 12/20/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 5:31 am 5:32 pm High: 11:54 am 11:11 pm Capt.: OLIVIO KOTRULA Crew: SASCHA CUSTANCE

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance miles	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch
084	23 52	29° 30.070'N 93° 41.325'W	49	00 34	29° 31.505'N 93° 42.875'W	51	1/2	2.8	2	51	LGT VAR	N/A	1-2	16	16	IN	13, 18	13, 18	E	NO	CLEAR
085	00 40	29° 31.395'N 93° 42.153'W	40	01 22	29° 29.924'N 93° 41.236'W	46	1/2	2.7	2	52	LGT VAR	N/A	1-2	16	16	OUT	13, 18	13, 18	E	NO	CLEAR
086	01 29	29° 29.638'N 93° 41.186'W	45	02 11	29° 31.281'N 93° 42.844'W	46	1/2	2.6	2	53	S 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	E	NO	CLEAR
087	02 21	29° 31.309'N 93° 42.812'W	47	03 08	29° 30.035'N 93° 41.250'W	50	1/2	2.8	2	54	S 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	E	NO	CLEAR
088	03 08	29° 30.014'N 93° 41.300'W	47	03 50	29° 31.497'N 93° 43.062'W	49	1/2	2.7	2	55	S 5-10	N/A	1-2	16	16	IN	13, 18	13, 18	E	NO	(2) BLK. DRUM
089	04 02	29° 31.469'N 93° 42.917'W	48	04 44	29° 30.160'N 93° 41.315'W	51	1/2	2.6	2	55	S 5-10	N/A	1-2	16	16	OUT	13, 18	13, 18	E	NO	CLEAR
090	04 50	29° 30.083'N 93° 41.479'W	45	05 32	29° 31.600'N 93° 43.129'W	50	1/2	2.8	2	56	S 10-15	N/A	1-2	16	16	IN	13, 18	13, 18	E	NO	CLEAR
091	05 40	29° 31.596'N 93° 42.991'W	40	06 22	29° 30.065'N 93° 41.404'W	49	1/2	2.6	2	58	S 10-15	N/A	1-2	16	16	OUT	13, 18	13, 18	S	NO	(1) RED DRUM
092	06 35	29° 29.931'N 93° 41.270'W	46	07 17	29° 30.989'N 93° 42.431'W	50	1/2	2.9	2	62	S 15	N/A	1-2	16	16	IN	13, 18	13, 18	S	NO	*CHANGED LOC W/ DREDGE; NO T
093	07 53	29° 34.653'N 93° 46.733'W	50	08 35	29° 35.499'N 93° 47.790'W	49	1/2	3.0	2	63	S 15	N/A	1-2	16	16	IN	25, 30	25, 30	F	NO	CLEAR
094	08 45	29° 35.381'N 93° 47.619'W	49	09 27	29° 35.575'N 93° 47.741'W	46	1/2	2.7	2	65	S 15	N/A	1-2	16	16	OUT	25, 30	25, 30	F	NO	(2) BLK. DRU
095	09 42	29° 35.507'N 93° 47.143'W	39	10 24	29° 36.000'N 93° 48.000'W	35	1/2	2.8	2	67	S 15	N/A	1-2	16	16	OUT	25, 30	25, 30	F	NO	(2) BLK. DR
096	10 43	29° 36.046'N 93° 47.912'W	36	11 25	29° 35.087'N 93° 47.545'W	42	1/2	2.9	2	68	S 10-15	N/A	1-2	16	16	OUT	25, 30	25, 30	S	NO	(1) RED DRUM, (1 DRUM, (1) SHEEP
097	11 55	29° 35.723'N 93° 48.289'W	38	12 37	29° 35.318'N 93° 47.183'W	40	1/2	2.8	2	68	S 10-15	N/A	2-3	16	16	OUT	25, 30	25, 30	S	NO	CLEAR
098	12 42	29° 35.421'N 93° 47.381'W	40	12 23	29° 35.126'N 93° 47.544'W	42	1/1	2.9	2	68	S 10-15	N/A	2-3	16	16	IN	25, 30	25, 30	E	NO	CLEAR

Pg. 2/2

Date: 12/2004 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low: 5:3 **am** 5:32 **pm** **High:** 11:54 **am** 11:11 **pm** **Capt.:** OLIVIO KOTRULSA **Crew:** SASHA CUSHACK

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance miles	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch
99	13 28	29°35.231'N 93°47.679'W	42	14 08	29°35.110'N 93°47.316'W	51	40	2.9	2	68	S 10-15	N/A	2-3	16	16	IN	25.30	25.30	E	NO	CLEAR
100	14 15	29°35.114'N 93°47.288'W	50	14 57	29°35.245'N 93°47.040'W	46	42	2.8	2	68	S 10-15	N/A	2-3	16	16	IN	25.30	25.30	E	NO	CLEAR
101	15 03	29°35.103'N 93°47.021'W	42	15 45	29°35.360'N 93°47.544'W	47	42	2.8	2	68	S 10-15	N/A	2-3	16	16	IN	25.30	25.30	E	NO	CLEAR
102	15 49	29°35.185'N 93°47.396'W	51	16 31	29°35.367'N 93°47.537'W	48	42	2.6	2	68	S 10-15	N/A	2-3	16	16	OUT	25.30	25.30	E	NO	CLEAR
103	16 37	29°35.452'N 93°47.701'W	50	17 19	29°34.821'N 93°47.002'W	48	42	2.8	2	68	S 10-15	N/A	2-3	16	16	IN	25.30	25.30	S	NO	CLEAR
104	17 26	29°34.779'N 93°46.884'W	51	18 07	29°35.662'N 93°47.874'W	45	41	2.6	2	67	S 10-15	N/A	2-4	16	16	IN	25.30	25.30	S	NO	CLEAR
105	18 13	29°35.526'N 93°47.781'W	52	18 55	29°35.126'N 93°47.160'W	40	42	2.8	2	65	S 15	N/A	2-4	16	16	OUT	25.30	25.30	F	NO	(2) BLK DRUM (1) RED DRUM
106	19 00	29°35.266'N 93°47.338'W	41	19 41	29°35.087'N 93°47.191'W	48	41	2.7	2	65	S 15	N/A	2-4	16	16	IN	25.30	25.30	F	NO	CLEAR
107	19 49	29°34.854'N 93°46.847'W	42	20 31	29°35.808'N 93°47.948'W	37	42	2.5	2	64	S 15	N/A	2-4	16	16	OUT	25.30	25.30	F	NO	CLEAR
108	20 44	29°35.920'N 93°48.181'W	45	21 26	29°34.595'N 93°46.590'W	48	42	2.6	2	64	S 15	N/A	2-4	16	16	OUT	25.30	25.30	F	NO	(3) BLK DRUM
109	21 44	29°34.198'N 93°46.146'W	50	22 26	29°35.601'N 93°47.712'W	40	42	2.8	2	64	S 15	N/A	2-4	16	16	IN	25.30	25.30	F	NO	CLEAR
110	22 31	29°35.685'N 93°47.850'W	47	23 13	29°34.954'N 93°47.211'W	45	42	2.8	2	64	S 15	N/A	2-4	16	16	OUT	25.30	25.30	S	NO	CLEAR
111	23 18	29°35.195'N 93°47.448'W	50	00 00	29°35.301'N 93°47.377'W	40	42	2.8	2	63	S 15	N/A	3-4	16	16	IN	25.30	25.30	S	NO	(2) RED DRUM

Date: 12/4/2004 Job Location: SABINE HBS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 6:16 am 6:17 pm High: am 1:47/11:33 pm Capt.: OLIVIO KOTRULYA Crew: SASHA GUSHAKER & Cary Deringer (#124 start)

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance ~ MILES	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	In/Out Direction	Station/Buoy	Dredge Loc.	Ebb/Flow Tide	Turtle Yes/No	Comments/ By-catch
1 2	00 15	29° 34.988 N 93° 47.046 W	48	00 55	29° 35.620 N 93° 47.929 W	50	40	2.6	2	62	S 15	N/A	3-4	14	14	OUT	25 30	25 30	E	NO	CLEAR
1 3	01 05	29° 35.600 N 93° 48.100 W	52	01 46	29° 35.481 N 93° 47.546 W	46	40	2.7	2	62	S 15	N/A	3-4	14	14	OUT	25 30	25 30	E	NO	(2) RED DRUM + (1) SHEEPSHEAD
1 4	02 00	29° 35.420 N 93° 47.840 W	40	02 40	29° 34.906 N 93° 47.230 W	41	40	2.8	2	62	S 10-15	N/A	3-4	14	14	IN	25 30	25 30	E	NO	CLEAR
1 5	02 45	29° 34.806 N 93° 47.970 W	46	03 25	29° 35.177 N 93° 47.954 W	41	40	2.7	2	63	S 10-15	N/A	3-4	14	14	OUT	25 30	25 30	E	NO	CLEAR
1 6	03 40	29° 35.450 N 93° 47.690 W	50	04 20	29° 35.100 N 93° 47.174 W	40	40	2.6	2	63	SE 10-15	N/A	3-4	14	14	OUT	25 30	25 30	E	NO	CLEAR
1 7	04 25	29° 35.225 N 93° 47.315 W	44	05 05	29° 35.186 N 93° 47.365 W	50	40	2.7	2	63	SE 10-15	N/A	3-4	14	14	IN	25 30	25 30	E	NO	(2) BLK. DRUM + (1) RED DRUM
1 8	05 20	29° 34.966 N 93° 47.278 W	40	06 00	29° 35.622 N 93° 48.040 W	41	40	2.8	2	63	SE 10-15	N/A	3-4	14	14	OUT	25 30	25 30	E	NO	CLEAR
1 9	06 10	29° 35.688 N 93° 47.868 W	42	06 50	29° 34.851 N 93° 46.757 W	40	40	2.9	2	64	SE 10-15	N/A	3-4	14	14	OUT	25 30	25 30	S	NO	CLEAR
1 20	07 00	29° 34.979 N 93° 47.032 W	40	07 41	29° 34.682 N 93° 46.895 W	48	41	2.8	2	64	SE 10-15	N/A	3-4	14	14	IN	25 30	25 30	S	NO	(4) BLK. DRUM + (3) RED DRUM
1 21	08 25	29° 34.820 N 93° 46.834 W	43	09 07	29° 36.165 N 93° 48.410 W	47	42	2.9	2	64	SE 10-15	N/A	3-4	14	14	IN	25 30	25 30	F	NO	CLEAR
1 22	09 11	29° 36.245 N 93° 48.372 W	50	09 53	29° 34.871 N 93° 46.930 W	48	42	2.8	2	63	SE 10-15	N/A	3-4	14	14	OUT	25 30	25 30	F	NO	(4) BLK. DRUM + (2) RED. DRUM
1 23	10 00	29° 35.042 N 93° 47.076 W	41	10 38	29° 36.170 N 93° 48.198 W	35	38	2.9	2	65	SE 10-15	N/A	3-4	14	14	IN	25 30	25 30	F	NO	(7) BLK. DRUM + (3) RED DRUM
1 24	12 02	29° 35.655 N 93° 48.071 W	41	12 42	29° 34.626 N 93° 46.659 W	42	40	2.4	2	65	SE 10-15	N/A	3-4	14	14	OUT	25 30	25 30	F	NO	P: (1) BLK DRUM
1 25	12 45	29° 34.631 N 93° 46.750 W	51	13 25	29° 35.780 N 93° 48.068 W	51	40	2.9	2	65	SE 10-15	N/A	3-4	14	14	IN	25 30	25 30	F	NO	P: (1) BLUE CRAB (1) BLK DRUM S: (3) BLK DRUM (1) RED DRUM (1) SHEEPSHEAD (1) BLUE CRAB
1 26	13 47	29° 35.183 N 93° 47.526 W	44	14 28	29° 35.306 N 93° 47.395 W	41	41	2.3	2	64	SE 10-15	N/A	3-4	14	14	OUT	25 30	25 30	F	NO	P: (1) BLK DRUM

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Date: 12/21/2004 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low 10:16 am 6:17 pm **High:** 1:47 am/pm 11:33 pm **Capt.:** OLIVIO KOTRULJA **Crew:** CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth Ft.	Stop Time	Stop: Lat/ Long	Stop Depth Ft	Trawl time	Speed mid-tow	Trawl Distance MI	Air temp. °F	Wind Speed/Dir.	Barometric Pressure	Wave Height Ft.	Surface Temp. °C	Bottom Temp. °C	In/Out	Station/Buoy	Dredge Loc.	Ebb/Flow/Slack Tide	Turtle Yes/No	Comments/ By-catch
127	14:30	29° 35.378' N 93° 47.501' W	4 8	15:10	29° 35.354' N 93° 47.420' W	42	40	2.9	2	64	SE 10.15	N/A	3-4	14	14	IN	25:30	25:30	S	N	P (4) BLK DRUM 1) BLUE CRAB S=(4) BLK. DRUM
128	15:23	29° 35.115' N 93° 46.981' W	4 2	16:02	29° 34.738' N 93° 46.925' W	48	39	2.3	2	64	SE 10.15	N/A	3-4	14	14	OUT	25:30	25:30	S	N	CLEAR
129	16:05	29° 34.866' N 93° 47.026' W	5 1	16:45	29° 35.582' N 93° 47.861' W	50	40	2.9	2	64	SE 10.15	N/A	3-4	14	14	IN	25:30	25:30	S	N	P:(1) BLK DRUM S:(1) BLK DRUM
130	16:47	29° 35.502' N 93° 47.767' W	5 1	17:27	29° 35.118' N 93° 47.160' W	40	40								14	OUT	25:30	25:30	E	N	CLEAR
131	17:30	29° 35.305' N 93° 47.352' W	4 0	18:10	29° 35.331' N 93° 47.729' W	42	40								14	IN	25:30	25:30	E	N	P (2) BLK. DRUM (1) RED DRUM S=(1) BLK. DRUM
132	18:30	29° 35.004' N 93° 47.054' W	4 5	19:10	29° 35.745' N 93° 48.013' W	60	40								14	OUT	25:30	25:30	E	N	P = RED DRUM (1) S = BLK DRUM (1)
133	19:20	29° 35.674' N 93° 48.205' W	37	20:00	29° 35.285' N 93° 47.300' W	40	40								14	IN	25:30	25:30	E	N	⊖
134	20:10	29° 35.535' N 93° 47.724' W	50	20:50	29° 35.426' N 93° 47.840' W	42	40								14	out	25:30	25:30	E	N	⊖
135	21:00	29° 35.000 93° 47.221	51	21:40	29° 35.579 93° 47.687	46	40								14	IN	25 30	25 30	E	N	P - Red Drum Blue crab S - SHEEPSHEAD
136	21:50	29° 35.900 93° 47.950	40	22:30	29° 35.080 93° 47.484	42	40								14	IN	25:30	25:30	E	N	⊖
137	22:40	29° 35.323 93° 47.679	46	23:20	29° 35.106 93° 47.412	46	40								14	out	25:30	25:30	E	N	P = Black Drum S = Black + Blue crab
138	23:35	29° 34.900 93° 47.160	48	00:15	29° 35.536 93° 47.816	50	40	2.7	2	65	SE 10	N/A	3-4	14	14	IN OUT	25:30	25:30	E	N	⊖
139	00:20	29° 35.472 93° 47.622	49	01:00	29° 35.091 93° 47.257	51	40	2.8	2	63	SE 10	N/A	3-4	14	14	OUT IN	25:30	25:30	E	N	⊖
140	01:06	29° 35.393 93° 47.499	42	01:46	29° 34.810 93° 47.194	42	40	2.7	2	63	SE 10	N/A	3-4	14	14	IN OUT	25:30	25:30	E	N	SHRIMP TRAWLING
141	02:00	29° 34.520 93° 46.732	44	02:42	29° 35.231 93° 47.895	37	40	2.3	2	63	SE 10	N/A	3-4	14	14	IN	25:30	25:30	E	N	P. 2 BD Drum S. 1 B Drum

SEE REVERSE SIDE

* NOTE 12/21 - 12/22 ON CONSECUTIVE SHEETS

Date: 12/22/04 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 6:16 am pm High: am 2:09 pm Capt.: OLIVIO KOTRULJA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth	Stop Time	Stop: Lat/ Long	Stop Depth	Trawl time	Speed mid-tow	Trawl Distance	Air temp.	Wind Speed/Dir.	Barometric Pressure	Wave Height	Surface Temp.	Bottom Temp.	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
142	03 02	29°35.163 93°47.435	49	03 42	29°35.467 93°47.697	49	40	2.7	2	62	SE 10	N/A	3-4	14	14	OUT IN	25/30	25/30	E	N	~~0~~
143	03 47	29°35.545 93°47.774	47	04 27	29°34.880 93°46.911	44	40	2.5	2	62	SE 10	N/A	3-4	14	14	IN OUT	25/30	25/30	E	N	~~0~~
144	04 31	29°34.777 N 93°46.872 W	50	05 11	29°35.484 N 93°47.878 W	41	40	2.5	2	62	SE 10	N/A	3-4	14	14	IN OUT	25/30	25/30	E	N	(1) BLK DRUM
145	05 15	29°35.388 N 93°47.659 W	47	05 55	29°34.031 N 93°47.272 W	49	40	2.7	2	62	SE 10	N/A	3-4	14	14	OUT IN	25/30	25/30	E	N	Clear
146	06 00	29°35.210 N 93°47.370 W	46	06 40	29°35.544 N 93°47.565 W	39	40	3.0	2	62	SE 10	N/A	3-4	14	14	IN OUT	25/30	25/30	E	N	(2) BLK DRUM
147	06 43	29°35.434 N 93°47.418 W	38	07 23	29°35.181 N 93°47.311 W	40	40	2.9	2	63	SE 10	N/A	3	.4	14	OUT IN	25/30	25/30	E/F	N	Clear
148	07 36	29°35.604 N 93°47.654 W	38	08 16	29°35.288 N 93°47.358 W	40	40	3.0	2	63	SE 10	N/A	1-3	14	14	OUT IN	25/30	25/30	F	N	Clear
149	08 20	29°35.384 N 93°47.459 W	40	09 00	29°35.221 N 93°47.422 W	51	40	2.7	2	63	SE 10	N/A	1-3	14	14	IN	25/30	25/30	F	N	(3) BLK DRUM
150	09 01	29°35.078 N 93°47.331 W	45	09 38	29°35.222 N 93°47.315 W	49	40	2.7	2	63	SE 10	N/A	1-3	14	14	OUT	25/30	25/30	F	N	(10) BLK. DRUM
151	09 48	29°35.738 N 93°47.591 W	40	10 28	29°34.780 N 93°46.900 W	52	40	2.9	2	63	SE 10	N/A	1-3	14	14	IN	25/30	25/30	F	N	(2) BLK. DRUM
152	10 33	29°35.036 N 93°47.027 W	43	11 13	29°35.360 N 93°47.702 W	47	40	3.0	2	63	SE 12-15	N/A	3-4	14	14	OUT	25/30	25/30	F	N	(12) BLK DRUM
153	11 29	29°34.988 N 93°47.248 W	48	12 09	29°35.722 N 93°48.058 W	46	40	2.9	2	64	SE 15-18	N/A	4-5	14	14	IN	25/30	25/30	F	N	(1) BLK DRUM
154	12 13	29°35.787 N 93°48.091 W	52	12 53	29°35.053 N 93°47.060 W	44	40	2.7	2	64	SE 18	N/A	4-5	14	14	OUT	25/30	25/30	F	N	(7) BLK DRUM
155	13 15	29°35.911 N 93°48.001 W	36	13 55	29°34.931 N 93°47.054 W	51	40	2.5	2	64	SE 15-18	N/A	4.5	14	14	IN	25/30	25/30	F	N	Clear
156	13 58	29°35.033 N 93°47.137 W	49	14 38	29°35.446 N 93°47.562 W	46	40	2.9	2	62	NW 18	N/A	3-4	14	14	IN	25/30	25/30	F	N	(3) BLK DRUM

Date: 12/22/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 6:16 am pm High: am 2:09 pm Capt.: OLIVIO KOTRULJA Crew: CARY DEBINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Ebb/Flow Tide	Turtle Yes/No	Comments/ By-catch
157	14 41	29° 35.247 'N 93°47.467 'W	5 1	15 21	29° 35.451 'N 93°47.597 'W	50	40	2.9	2	60	NW 15-18	N/A	3-4	14	14	OUT	25/30	25/30	S	N	(S) BLK. DRUM
158	15 25	29° 35.553 'N 93°47.691 'W	4 3	16 05	29° 34.747 'N 93° 46.894 'W	50	40	2.6	2	58	NW 18	N/A	4-5	14	14	IN/OUT	25/30	25/30	S	N	CLEAR
159	16 13	29° 34.610 'N 93 46.829 'W	4 5	16 53	29° 35.621 'N 93° 47.960 'W	50	40	2.5	2	50	NW 18	N/A	4-5	14	14	IN	25/30	25/30	E	N	CLEAR
160	17 00	29° 35 417 'N 93°47 7600 'W	4 4	17 37	29° 34.474 'N 93° 46. 372 'W	40	37	3.0	2	50	NW 18	N/A	4-5	14	14	OUT	25/30	25/30	E	N	CLEAR
161	17 40	29° 34.557 'N 93° 46.410 'W	4 0	18 20	29° 35.709 'N 93° 47.712 W	36	40	2.3	2	50	NNW 20-25	N/A	5-6	14	14	IN	25/30	25/30	E	N	CLEAR
162	18 25	29° 35.683 'N 93° 47.874 'W	3 7	19 05	29° 34.376 'N 93° 46.048 'W	41	40	2.9	2	50	NW 20.25	N/A	5-6	14	14	OUT	25/30	25/30	E	N	CLEAR
163	19 09	29° 34.377 'N 93°45.024 'W	4 2	19 49	29° 35.259 'N 93° 47.437 'W	48	40	2.9	2	50	NW 20.25	N/A	5-6	14	14	IN	25/30	25/30	E	N	CLEAR
164	20 06	29° 35.717 'N 93° 47.841 'W	3 7	20 46	29° 34.318 'N 93° 46.241 'W	44	40	3.0	2	50	NW 20.25	N/A	5-6	14	14	OUT	25/30	25/30	E	N	CLEAR
165	20 54	29° 34.426 'N 93° 46.198 'W	40	21 34	29° 35.490 93° 47.497	38	40	2.5	2	48	NW 20.25	N/A	5-6	14	14	IN	25/30	25/30	E	N	4 BLK Drum
166	21 51	29° 35.710 93° 47.832	38	22 31	29° 34.406 93° 46.491	45	40	2.8	2	38	NW 25-30	N/A	7-9	14	14	OUT	25/30	25/30	E	N	clear
167	22 40	29° 34.490 93° 46.524	50	23 20	29° 35.448 93° 47.585	42	40	2.5	2	38	NW 25-30	N/A	7-9	14	14	IN	25/30	25/30	E	N	clear
																					* DOWN FOR REPAIRS

Date: 12/23/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: am 8:33 pm High: am 3:11 pm Capt.: OLIVIO KUTRUYA Crew: CARY DERINGER [redacted]

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	In/Out Direction	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch (*DOWN FOR REPAIRS SINCE 12.22 @ 2320)
168	09 41	29° 35.593 N 93° 47.628 W	3 8	10 21	29° 34.233 N 93° 46.188 W	5 0	4 0	2.6	2	39 4.1°	N 12-15	N/A	1-3	13	13	OUT	25/30	25/30	F	N	CLEAR
169	10 25	29° 34.203 N 93° 46.223 W	5 0	11 05	29° 35.624 N 93° 47.684 W	3 8	4 0	2.9	2	"	N 12-15	N/A	1-3	13	13	IN	25/30	25/30	F	N	(1) BLK. DRUM
170	1114	29° 35.794 N 93° 48.004 W	5 0	11 54	29° 36.161 N 93° 48.303 W	4 4	4 0	2.6	2	"	N 12-15	N/A	1-3	13	13	OUT/IN	29/33	29/33	F	N	CLEAR
171	1155	29° 36.369 N 93° 48.388 W	4 5	12 35	29° 37.993 N 93° 48.733 W	4 7	4 0	2.7	2	"	N 12-15	N/A	1-3	13	13	IN/OUT	29/33	29/33	F	N	(1) RED DRUM (13) BLK DRUM
172	12 39	29° 36.800 N 93° 48.708 W	4 5	13 19	29° 36.266 N 93° 48.386 W	5 0	4 0	2.4	2	"	N 12-15	N/A	1-2	13	13	OUT/IN	29/33	29/33	F	N	CLEAR
173	13 21	29° 36.387 N 93° 48.480 W	4 9	14 01	29° 36.544 N 93° 48.521 W	5 1	4 0	3.0	2	"	N 12-15	N/A	1-2	13	13	IN/OUT	29/33	29/33	F	N	CLEAR
174	14 04	29° 36.352 N 93° 48.381 W	4 5	14 23	29° 35.903 N 93° 48.405 W	3 5	1 9	2.7	2	"	N 15	N/A	1-2	13	13	OUT/IN	29/33	29/33	F	N	* TORN NET. CAUGHT ON BOTTOM *
175	15 55	29° 35.902 N 93° 48.171 W	5 0	16 37	29° 37.452 N 93° 49.063 W	3 5	4 2	3.0	2	"	N 15-18	N/A	1-3	13	13	IN/OUT	29/33	29/33	S	N	CLEAR
176	16 41	29° 37.324 N 93° 48.944 W	4 7	17 20	29° 36.128 N 93° 48.405 W	4 8	4 1	2.8	2	"	N 15-18	N/A	1-3	13	13	OUT	29/33	29/33	S	N	CLEAR
177	17 23	29° 36.278 N 93° 48.419 W	5 2	18 03	29° 37.301 N 93° 48.920 W	4 9	4 0	2.8	2	"	N 15-18	N/A	1-3	13	13	IN	29/33	29/33	S	N	CLEAR
178	18 05	29° 37.180 N 93° 48.811 W	5 0	18 44	29° 36.398 N 93° 48.460 W	5 0	3 9	2.9	2	"	N 18	N/A	1-3	13	13	OUT	29/33	29/33	E	N	CLEAR
179	18 47	29° 36.539 N 93° 48.510 W	4 7	19 27	29° 37.055 N 93° 48.710 W	4 3	4 0	2.8	2	"	N 18	N/A	2-4	13	13	IN	29/33	29/33	E	N	CLEAR
180	19 29	29° 36.916 N 93° 48.682 W	4 7	20 07	29° 36.672 N 93° 48.910 W	3 1	3 8	2.9	2	"	N 18	N/A	2-4	13	13	OUT	29/33	29/33	E	N	CLEAR
181	20 10	29° 36.785 N 93° 48.932 W	3 1	20 50	29° 36.555 N 93° 48.850 W	3 2	4 0	2.7	2	"	N 18	N/A	2-4	13	13	IN	29/33	29/33	E	N	CLEAR
182	20 52	29° 36.422 N 93° 48.769 W	3 2	21 32	29° 37.338 N 93° 49.073 W	3 1	4 0	2.5	2	"	N 18	N/A	2-4	13	13	OUT	29/33	29/33	E	N	CLEAR

PG 2

Date: 12/23/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: am 8:33 pm High: am 3:11 11:39 pm Capt.: OLIVIO KUTRULYA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp.	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
183	21 36	29° 37.363 'N 93°49.123 'W	2 9	22 15	29° 36. 420 'N 93° 48. 750 'W	34	40	3.0	2	39/41°	N 18	N/A	2-4	13	13	IN	29/33	29/33	E	N	9) Block Seam 2 5) Block Seam 3
184	22 25	29° 36 651 'N 93° 48 939 'W	3 2	23 05	29° 36. 605 'N 93° 48 819 'W	33	40	2.9	2	"	N 18	N/A	2-4	13	13	OUT	29/33	29/33	E	N	—
185	28 10	29° 36. 572 'N 93° 48. 735 'W	3 3	23 50	29° 37.404 'N 93° 48. 917 'W	45	40	2.9	2	"	N 18	N/A	2-4	13	13	IN	29/33	29/33	E	N	—

PG. 1

Date: 12/24/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0747am 2104 pm High: 2123am 1553 pm Capt.: OLIVIO KUTRULYA Crew: GARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch
186	00 00	29° 37.121 93° 48.719	11 10	00 40	29° 35.928 93° 48.186	47	40	2.9	2	34 12	N 18	N/A	2-4	13	13	out	29/33	29/33	F	N	—
187	00 47	29° 35.670 93° 48.000	51	01 27	29° 37.008 93° 48.640	40	40	2.5	2	"	NE 15-20	N/A	3-5	12	12	IN	29/33	29/33	E	N	—
188	01 36	29° 37.333 93° 48.935	44	02 16	29° 35.703 93° 48.060	50	40	2.9	2	"	NE 15-20	N/A	3-5	12	12	OUT	29/33	29/33	E	N	1 Red Drum 3 B. Drum 2 C.
189	02 30	29° 35.617 93° 47.784	48	03 10	29° 37.195 93° 48.750	40	40	2.5	2	"	N-E 15-20	N/A	3-5	12	12	IN	29/33	29/33	E	N	—
190	03 20	29° 37.288 93° 48.776	34	04 00	29° 35.851 93° 47.972	35	40	2.7	2	"	N-E 15-20	N/A	3-5	12	12	OUT	29/33	29/33	E	N	—
191	04 07	29° 35.704 93° 47.818	39	04 47	29° 36.883 93° 48.489	30	40	2.5	2	"	N-E 15-20	N/A	3-5	12	12	IN	29/33	29/33	E	N	—
192	05 05	29° 37.449 93° 48.862	40	05 45	29° 35.754 93° 47.988	47	40	2.7	2	"	NE 15-20	N/A	3-5	12	12	OUT	29/33	29/33	E	N	3 B. Drum 1 R. Drum
193	06 05	29° 35.473 93° 47.648	46	06 45	29° 37.080 93° 48.731	41	40	2.5	2	"	NE 15-20	N/A	3-5	12	12	IN	29/33	29/33	S	N	—
194	06 55	29° 36.685 93° 48.907	50	07 35	29° 36.020 93° 48.085	34	40	2.5	2	"	NE 15-20	N/A	35	12	12	OUT	29/33	29/33	S	N	(5) RED DRUM
195	07 56	29° 35.055 'N 93° 47.534 'W	40	08 36	29° 36.432 'N 93° 48.789 'W	35	40	2.6	2	"	NE 15-20	N/A	3-5	12	12	IN	29/33	29/33	S	N	CLEAR
196	08 39	29° 36.532 'N 93° 48.838 'W	31	09 19	29° 36.757 'N 93° 49.077 'W	30	40	2.3	2	"	NE 15-20	N/A	3-5	12	12	OUT	29/33	29/33	S	N	CLEAR
197	09 21	29° 36.673 'N 93° 48.958 'W	29	10 01	29° 37.136 'N 93° 49.045 'W	28	40	2.4	2	"	NE 15-20	N/A	3-5	10	10	IN	29/33	29/33	F	N	(2) RED & DRUM
198	10 08	29° 37.315 'N 93° 49.034 'W	29	10 48	29° 36.476 'N 93° 48.838 'W	31	40	2.9	2	"	NE 15-18	N/A	2-3	10	10	OUT	29/33	29/33	F	N	CLEAR
199	10 50	29° 36.554 'N 93° 48.867 'W	31	11 30	29° 36.637 'N 93° 48.920 'W	31	40	2.7	2	"	NE 15-18	N/A	2-3	10	10	IN	29/33	29/33	F	N	CLEAR
200	11 33	29° 36.488 'N 93° 48.833 'W	32	12 15	29° 37.350 'N 93° 49.161 'W	29	42	2.7	2	"	NE 15-18	N/A	1-2	10	10	OUT	29/33	29/33	F	N	CLEAR

PG. 2

Date: 12/24/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0747am 2104 pm High: 2123am 1553 pm Capt.: OLIVIO KUTRULJA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth Ft.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch
20 1	12 19	29° 37.356 'N 93° 49.169 'W	2 8	12 59	29° 36.564 'N 93° 48.887 'W	3 3	40	3.0	2	34 1°C	NE 12	N/A	1-2	10	10	IN	29/33	29/33	F	N	CLEAR
20 2	13 01	29° 36.639 'N 93° 48.930 'W	3 2	15 41	29° 36.772 'N 93° 48.892 'W	3 1	40	2.6	2	"	NE 15	N/A	1-3	10	10	OUT	29/33	29/33	F	N	CLEAR
20 3	13 42	29° 36.667 'N 93° 48.841 'W	3 3	14 22	29° 36.692 'N 93° 48.926 'W	3 3	40	3.0	2	"	NNE 15	N/A	1-3	10	10	IN	29/33	29/33	F	N	CLEAR
20 4	14 24	29° 36.787 'N 93° 48.969 'W	3 2	15 04	29° 36.181 'N 93° 48.650 'W	3 5	40	2.7	2	"	NNE 15	N/A	1-3	10	10	OUT	29/33	29/33	F	N	CLEAR
20 5	15 08	29° 36.140 'N 93° 48.564 'W	3 6	15 48	29° 36.940 'N 93° 48.761 'W	5 0	40	2.7	2	"	NNE 15	N/A	2-3	10	10	IN	29/33	29/33	F	N	(10) ATL. CROA (6) RED DRUM
20 6	16 01	29° 37.018 'N 93° 48.733 'W	4 0	16 41	29° 35.718 'N 93° 48.025 'W	5 5	40	2.9	2	"	NNE 15	N/A	2-3	10	10	OUT	29/33	29/33	F	N	CLEAR
20 7	16 44	29° 35.823 'N 93° 48.098 'W	5 1	17 24	29° 37.430 'N 93° 48.820 'W	3 3	40	2.5	2	"	NNE 15-18	N/A	2-3	10	10	IN	29/33	29/33	S	N	CLEAR
20 8	17 26	29° 37.345 'N 93° 48.746 'W	3 2	18 06	29° 35.589 'N 93° 47.950 'W	5 0	40	3.0	2	"	NNE 15-18	N/A	2-3	10	10	OUT	29/33	29/33	S	N	CLEAR
20 9	18 09	29° 35.559 'N 93° 47.846 'W	5 1	18 49	29° 37.148 'N 93° 48.812 'W	4 9	40	2.8	2	"	NNE 15-18	N/A	2-4	10	10	IN	29/33	29/33	E	N	CLEAR
21 0	18 53	29° 37.179 'N 93° 48.807 'W	3 8	19 40	29° 35.445 'N 93° 47.672 'W	5 0	47	3.0	2	* " →	NNE 15-18	N/A	2-4	10	10	OUT	29/33	29/33	E	N	* SLEET= HAIL CLEAR
21 1	19 43	29° 35.550 'N 93° 47.717 'W	5 0	20 23	29° 36.817 'N 93° 48.744 'W	4 1	40	2.8	2	"	NNE 18	N/A	3-4	10	10	IN	29/33	29/33	E	N	CLEAR
21 2	20 26	29° 36.845 'N 93° 48.682 'W	4 7	21 06	29° 35.247 'N 93° 47.552 'W	4 6	40	3.0	2	"	NNE 18	N/A	3-4	10	10	OUT	29/33	29/33	E	N	CLEAR
21 3	21 09	29° 35.222 'N 93° 47.435 'W	5 0	21 49	29° 36.658 'N 93° 48.619 'W	4 7	40	2.8	2	"	NNE 18	N/A	3-4	10	10	IN	29/33	29/33	F	N	CLEAR
21 4	22 03	29° 37.300 'N 93° 48.855 'W	4 6	22 43	29° 35.676 'N 93° 47.863 'W	5 0	40	3.0	2	"	NNE 18	N/A	3-4	10	10	OUT	29/33	29/33	F	N	CLEAR
21 5	22 47	29° 35.610 'N 93° 47.836 'W	4 8	23 27	29° 37.198 'N 93° 48.878 'W	4 8	40	3.0	2	* "	NNE 18	N/A	3-4	10	10	IN	29/33	29/33	F	N	* SNOW CLEAR

Pg. 2 / 2

Date: 12/25/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0820 am 2123 pm High: 0005 am 1629 pm Capt.: OLIVIO KUTRULYA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	In/Out Direction	Station/Buoy	Dredge Loc.	Ebb/Flow Tide	Turtle Yes/No	Comments/ By catch
																					SNOW & SLEET
216	23 32	29° 37.250 N 93° 48.905 W	4 9	00 10	29° 35.472 N 93° 47.879 W	42	4 2	3.0	2	31° 1°C	NNE 18	N/A	3-5	10	10	OUT	29/33	29/33	F	N	⊖
217	00 15	29° 35.629 N 93° 47.957 W	5 0	00 55	29° 36 930 N 93° 48 786 W	46	40	2.7	2	"	"	N/A	"	"	"	IN	29/33	29/33	F	N	⊖
218	0100	29° 37.040 N 93° 48.983 W	3 0	01 40	29° 36.192 N 93° 48.765 W	34	40	2.8	2	"	"	N/A	"	"	"	out	29/33	29/33	S	N	⊖
219	01 45	29° 36.246 N 93° 48.758 W	3 3	02 25	29° 36.299 N 93° 48.669 W	34	40	2.7	2	"	"	N/A	"	"	"	Out	29/33	29/33	E	N	(P) 2 Black-Drum (S) 1 Red Drum
220	02 35	29° 36.158 N 93° 48.563 W	3 5	03 15	29° 37.455 N 93° 49.258 W	30	40	2.7	2	"	"	N/A	"	"	"	IN	29/33	29/33	E	N	⊖
221	03 20	29° 37.480 N 93° 48.848 W	3 4	04 00	29° 36.030 N 93° 48.500 W	33	40	2.6	2	"	"	N/A	"	"	"	Out	29/33	29/33	E	N	⊖
222	04 05	29° 36.820 N 93° 48.466 W	3 5	04 45	29° 37.703 N 93° 49.288 W	32	40	2.8	2	"	"	N/A	"	"	"	IN	29/33	29/33	E	N	⊖
223	04 50	29° 37.769 N 93° 49.120 W	50	05 30	29° 36.124 N 93° 48.276 W	51	40	2.7	2	"	"	N/A	"	"	"	out	29/33	29/33	E	N	⊖
224	05 35	29° 36.629 N 93° 48.506 W	51	06 15	29° 37.652 N 93° 48.988 W	52	40	2.9	2	"	"	N/A	"	"	"	IN	29/33	29/33	E	N	⊖
225	06 25	29° 37.702 N 93° 49.086 W	51	07 05	29° 36.012 N 93° 48.226 W	50	40	2.8	2	"	"	N/A	"	"	"	Out	29/33	29/33	E	N	⊖
226	07 10	29° 35.990 N 93° 48.300 W	50	07 50	29° 37.434 N 93° 49.139 W	48	40	2.8	2	"	NNE 15	N/A	1-3	9	9	IN	29/33	29/33	E	N	(P) Black Drum (S) ⊖
227	08 00	29° 37.731 N 93° 49.067 W	49	08 40	29° 37.648 N 93° 48.051 W	41	40	2.8	2	"	NNE 15	N/A	1-3	9	9	out	29/33	29/33	S	N	CLEAR
228	08 45	29° 35.579 N 93° 47.902 W	4 7	09 24	29° 37.081 N 93° 48.885 W	35	40	2.9	2	"	NNE 15	N/A	1-2	9	9	IN	29/33	29/33	S	N	CLEAR
229	09 29	29° 37.091 N 93° 48.817 W	4 6	10 09	29° 35.524 N 93° 47.861 W	46	40	3.0	2	"	NNE 12	N/A	1-2	9	9	OUT	29/33	29/33	F	N	CLEAR
230	10 13	29° 35.450 N 93° 47.630 W	4 9	10 53	29° 36.007 N 93° 48.634 W	47	40	2.7	2	"	NNE 10-	N/A	1-2	9	9	IN	29/33	29/33	F	N	CLEAR

PG 2

Date: 12/23/2007 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low: 0820 **am** 2123 **pm** **High:** 0005 **am** 1629 **pm** **Capt.:** OLIVIO KUTRULIA **Crew:** CARY DEFINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Speed/Dir. Wind KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Ebb/Flow Tide	Turtle Yes/No	Comments/ By catch
231	11 09	29° 37.280 N 93° 49.049 W	2 9	11 49	29° 35.763 N 93° 48.041 W	4 9	4 0	3.0	2	34 1°C	NNE 12-15	N/A	1-3	9	9	OUT	29/33	29/33	F	N	CLEAR
232	11 53	29° 35.649 N 93° 48.032 W	4 6	12 33	29° 37.244 N 93° 48.806 W	4 6	4 0	3.0	2	"	NNE 12-15	N/A	1-3	9	9	IN	29/33	29/33	F	N	CLEAR
233	12 41	29° 37.400 N 93° 48.938 W	4 7	13 20	29° 35.696 N 93° 48.081 W	4 9	4 0	2.8	2	"	NNE 12-15	N/A	1-2	9	9	OUT	29/33	29/33	F	N	CLEAR
234	13 24	29° 35.573 N 93° 47.881 W	5 0	14 04	29° 37.114 N 93° 48.777 W	4 7	4 0	2.9	2	"	NNE 12	N/A	1-2	9	9	IN	29/33	29/33	F	N	CLEAR
235	14 08	29° 37.230 N 93° 48.850 W	5 0	14 48	29° 35.450 N 93° 47.843 W	4 3	4 0	3.0	2	"	NNE 10	N/A	1-2	9	9	OUT	29/33	29/33	F	N	CLEAR
236	14 52	29° 35.505 N 93° 47.846 W	5 0	15 32	29° 37.240 N 93° 48.693 W	3 1	4 0	3.0	2	"	NNE 10	N/A	1-2	9	9	IN	29/33	29/33	F	N	CLEAR
237	15 35	29° 37.230 N 93° 48.852 W	4 9	16 35	29° 35.610 N 93° 47.860 W	5 0	4 0	2.8	2	"	N 8-10	N/A	1-2	9	9	OUT	29/33	29/33	F	N	CLEAR
238	16 17	29° 35.497 N 93° 47.729 W	5 1	16 57	29° 35.602 N 93° 48.008 W	4 4	4 0	2.7	2	"	N 8	N/A	<1	9	9	OUT	29/33	29/33	S	N	CLEAR
239	16 59	29° 35.458 N 93° 47.944 W	4 2	17 39	29° 35.377 N 93° 48.055 W	4 1	4 0	3.0	2	"	N 5-8	N/A	<1	9	9	IN	29/33	29/33	E	N	CLEAR
240	17 43	29° 35.557 N 93° 48.075 W	4 1	18 23	29° 37.352 N 93° 48.918 W	4 9	4 0	3.0	2	"	N 5-8	N/A	<1	9	9	IN	29/33	29/33	E	N	CLEAR
241	18 26	29° 37.430 N 93° 48.960 W	4 8	19 06	29° 35.830 N 93° 48.197 W	4 2	4 0	2.7	2	"	N 5-8	N/A	<1	9	9	OUT	29/33	29/33	E	N	CLEAR
242	19 10	29° 35.903 N 93° 48.187 W	5 0	19 50	29° 37.545 N 93° 49.063 W	4 7	4 0	2.8	2	"	N 5-8	N/A	<1	9	9	IN	29/33	29/33	E	N	CLEAR
243	19 52	29° 37.569 N 93° 49.024 W	4 9	20 32	29° 35.757 N 93° 48.123 W	5 2	4 0	3.0	2	"	N 5-8	N/A	<1	9	9	OUT	29/33	29/33	E	N	CLEAR
244	20 34	29° 35.755 N 93° 48.068 W	4 7	21 14	29° 37.254 N 93° 49.163 W	3 9	4 0	2.7	2	"	N 5-8	N/A	<1	9	9	IN	29/33	29/33	E	N	CLEAR
245	21 19	29° 37.520 N 93° 49.095 W	3 7	21 59	29° 35.964 N 93° 48.313 W	4 7	4 0	3.0	2	"	N 5	N/A	<1	9	9	OUT	29/33	29/33	S	N	CLEAR

PG 3

Date: 12/25/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0820am 2123pm High: 0005am 1629 pm Capt.: OLIVIO KUTRUYA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch
246	2205	29° 35.801 N 93° 48.150 W	50	2246	29° 37.573 N 93° 49.012 W	48	40	2.9	2	34/1c	N 5	N/A	<1	9	9	IN	29/33	29/33	F	N	CLEAR
247	2251	29° 37.718 N 93° 49.079 W	48	2331	29° 36.027 N 93° 48.284 W	47	40	3.0	2	"	N 5	N/A	<1	9	9	OUT	29/33	29/33	F	N	CLEAR
248	2333	29° 36.084 N 93° 48.252 W	47	0013	29° 37.620 N 93° 49.053 W	48	40	2.7	2	"	N <5	N/A	<1	9	9	IN	29/33	29/33	F	N	CLEAR

Date: 12/26/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0852 am 2139 pm High: 0039 am 1702 pm Capt.: OLIVIO KUTRUYA Crew: CARY DERINGER

Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
00 16	29° 37.620 N 93° 49.988 W	4 6	00 56	29° 36.095 N 93° 48.275 W	49	40	2.7	2	34/1°C	<2	N/A	CALM	10	10	OUT	29/33	29/33	F	N	—
01 02	29° 36.079 N 93° 48.289 W	48	01 42	29° 37.908 N 93° 49.108 W	44	40	2.9	2	34/1°C	<2	N/A	CALM	10	10	IN	29/33	29/33	S	N	—
01 50	29° 37.753 N 93° 49.141 W	46	02 30	29° 35.800 N 93° 48.062 W	46	40	3.0	2	"	<2	N/A	CALM	10	10	OUT	29/33	29/33	S	N	3 B Drum 1 R. Drum
02 45	29° 35.425 N 93° 47.633 W	48	03 25	29° 37.199 N 93° 48.942 W	37	40	2.9	2	"	<2	N/A	<1	10	10	IN	29/33	29/33	E	N	—
03 32	29° 37.294 N 93° 48.806 W	47	04 12	29° 35.678 N 93° 47.969 W	48	40	3.0	2	"	<2	N/A	<1	10	10	OUT	29/33	29/33	E	N	—
04 19	29° 35.753 N 93° 47.933 W	47	04 59	29° 37.502 N 93° 48.899 W	45	40	3.0	2	"	<4	N/A	<1	10	10	IN	29/33	29/33	E	N	—
05 05	29° 37.428 N 93° 48.990 W	46	05 45	29° 35.532 N 93° 47.749 W	48	40	3.0	2	39/4°C	<4	N/A	<1	10	10	OUT	29/33	29/33	E	N	—
05 53	29° 35.577 N 93° 47.819 W	48	06 32	29° 37.490 N 93° 48.925 W	45	40	2.8	2	"	WNW <5	N/A	<1	10	10	IN	29/33	29/33	E	N	—
07 18	29° 31.565 N 93° 43.190 W	45	07 58	29° 30.261 N 93° 41.544 W	49	40	3.0	2	"	WNW <5	N/A	<1	13	13	OUT	13/18	13/18	E	N	(8) RED DRUM (5) BLK DRUM
08 15	29° 29.678 N 93° 40.997 W	48	08 55	29° 30.951 N 93° 42.405 W	47	40	2.9	2	"	WNW <5	N/A	<1	13	13	IN	13/18	13/18	E	N	CLEAR
08 57	29° 31.094 N 93° 42.461 W	46	09 37	29° 32.150 N 93° 44.020 W	41	40	2.8	2	59/15°C	WNW <5	N/A	<1	13	13	IN	13/18	13/18	E	N	CLEAR
09 39	29° 32.167 N 93° 43.970 W	41	10 19	29° 30.995 N 93° 42.430 W	49	40	2.8	2	"	WNW 5-8	N/A	<1	13	13	OUT	13/18	13/18	S	N	CLEAR
10 22	29° 30.842 N 93° 42.244 W	49	11 02	29° 29.767 N 93° 40.908 W	48	40	2.6	2	"	WNW 5-8	N/A	<1	13	13	OUT	13/18	13/18	F	N	CLEAR
11 04	29° 29.900 N 93° 41.104 W	50	11 44	29° 30.967 N 93° 42.658 W	39	40	2.5	2	"	WNW 5-8	N/A	<1	13	13	IN	13/18	13/18	F	N	CLEAR
1 46	29° 31.126 N 93° 42.707 W	41	12 26	29° 32.398 N 93° 44.025 W	47	40	3.0	2	"	WNW 5-8	N/A	<1	13	13	OUT	13/18	13/18	F	N	CLEAR

PG. 2

Date: 12/29/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0852 am 2139 pm High: 0039 am 1702 pm Capt.: OLIVIO KUTRULJA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °F	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch
264	12 30	29° 32.250 N 93° 43.864 W	5 0	13 10	29° 31.993 N 93° 42.528 W	3 7	4 6	2.8	2	59 15c	WNW 5-8	N/A	<1	13	13	OUT	13/18	13/18	F	N	CLEAR
265	13 11	29° 30.926 N 93° 42.445 W	4 8	15 37	29° 30.462 N 93° 41.811 W	4 9	2 0	2.5	2	"	WNW 5-8	N/A	<1	13	13	OUT	13/18	13/18	F	N	CLEAR
266	14 45	29° 35.877 N 93° 48.271 W	4 4	15 24	29° 37.304 N 93° 48.929 W	3 8	3 9	2.7	2	"	WNW 5	N/A	<1	13	13	IN	29/33	29/33	F	N	CLEAR
267	15 25	29° 37.210 N 93° 48.871 W	4 8	16 05	29° 36.465 N 93° 48.742 W	3 4	4 0	2.8	2	"	WNW 5	N/A	<1	13	13	OUT	29/33	29/33	F	N	CLEAR
268	16 07	29° 36.486 N 93° 48.692 W	2 4	16 47	29° 37.058 N 93° 48.768 W	5 0	4 0	2.9	2	"	WNW 5	N/A	<1	13	13	IN/OUT	29/33	29/33	F	N	CLEAR
269	16 49	29° 36.880 N 93° 48.698 W	4 6	17 29	29° 35.571 N 93° 47.710 W	4 9	4 0	3.0	2	"	WNW 5	N/A	<1	13	13	OUT/IN	29/33	29/33	S	N	CLEAR
270	17 31	29° 35.627 N 93° 47.921 W	5 1	18 11	29° 37.248 N 93° 48.976 W	3 3	4 0	2.8	2	"	WNW 5	N/A	<1	13	13	IN	29/33	29/33	E	N	CLEAR
271	18 15	29° 37.366 N 93° 49.952 W	4 8	18 55	29° 35.667 N 93° 47.816 W	4 1	4 0	3.0	2	4	WNW 5	N/A	<1	13	13	OUT	29/33	29/33	E	N	CLEAR
272	18 58	29° 35.566 N 93° 47.800 W	4 9	19 38	29° 37.263 N 93° 48.940 W	4 7	4 0	2.8	2	"	WNW <5	N/A	<1	13	13	IN	29/33	29/33	E	N	CLEAR
273	19 40	29° 37.344 N 93° 49.028 W	3 2	20 20	29° 35.740 N 93° 47.967 W	4 0	4 0	3.0	2	"	WNW <5	N/A	<1	13	13	OUT	29/33	29/33	E	N	CLEAR
274	20 23	29° 35.059 N 93° 48.000 W	4 0	20 03	29° 37.387 N 93° 48.877 W	4 9	4 0	2.8	2	"	WNW <5	N/A	<1	13	13	IN	29/33	29/33	E	N	CLEAR
275	21 07	29° 37.460 N 93° 48.967 W	4 7	21 47	29° 35.808 N 93° 47.923 W	3 7	4 0	3.0	2	"	WNW <2	N/A	<1	13	13	OUT	29/33	29/33	S	N	CLEAR
276	21 49	29° 35.731 N 93° 47.901 W	4 9	22 29	29° 35.693 N 93° 47.795 W	3 8	4 0	2.9	2	"	Lt.	N/A	Calm	13	13	IN/OUT	29/33	29/33	F	N	CLEAR
277	22 31	29° 35.589 N 93° 47.700 W	4 1	23 11	29° 34.192 N 93° 46.158 W	5 1	4 0	3.0	2	"	Lt.	N/A	Flat Calm	13	13	OUT	26/30	26/30	F	N	CLEAR
278	23 14	29° 34.176 N 93° 46.053 W	4 2	23 54	29° 35.401 N 93° 47.611 W	5 0	4 0	3.0	2	"	Lt.	N/A	FLAT	13	13	IN	29/30	26/30	F	N	CLEAR

12/27/04 P1

Date: 12/27 Tide: Low 0:25 AM 1.0 ft High 7:47 AM 2.5 ft Low 1:47 PM 0.5 ft High 8:25 PM 2.5 ft

Crew: CAPPIO DEBINGER

Trip	Set Time	Set Lat/Long	Depth (ft)	Temp (°F)	Haul Time	Haul Lat/Long	Depth (ft)	Temp (°F)	Soak Time (hrs)	Net Length (ft)	Net Depth (ft)	Net Mesh (in)	Net Color	Net Condition	Tow Direction	Tow Speed (kts)	Tow Duration (min)	Tow Distance (nm)	Bycatch	Bycatch Sampled	Comments / By: cadr
27	08:07	29° 35.191 93° 48.021	50	47	08:37	29° 34.622 93° 46.777	48	46	2.9	2	15	E/S	N/A	FAIR	13	13	OUT	26/30	26/30	F	N	CLEAR
28	01:03	29° 34.662 93° 46.065	50	47	02:02	29° 35.748 93° 48.029	47	46	2.7	2	15	E/S	N/A	FAIR	13	13	IN	26/30	26/30	S	N	INST. MAINTENANCE CLEAR
28	01:51	29° 35.463 93° 48.056	50	47	02:31	29° 34.542 93° 46.777	48	46	2.9	2	15	E/S	N/A	FAIR	13	13	OUT	26/30	26/30	F	N	CLEAR
28	02:39	29° 34.620 93° 46.747	48	46	03:08	29° 35.730 93° 48.100	50	48	2.9	2	15	E/S	N/A	FAIR	13	13	IN	26/30	24/30	E	N	CLEAR
28	03:25	29° 35.883 93° 48.022	50	48	03:55	29° 34.757 93° 46.777	48	46	2.8	2	15	E/S	N/A	FAIR	13	B	OUT	26/30	26/30	E	N	CLEAR
28	04:09	29° 34.880 93° 46.766	50	47	04:38	29° 35.800 93° 48.078	50	48	2.8	2	15	E/S	N/A	FAIR	13	13	IN	26/30	26/30	E	N	1) BLK DRUM
28	05:00	29° 35.777 93° 48.014	46	45	05:30	29° 34.512 93° 46.542	50	47	2.9	2	15	E/S	N/A	FAIR	13	13	OUT	26/30	26/30	E	N	CLEAR
28	05:51	29° 34.687 93° 46.740	49	46	06:21	29° 35.898 93° 48.152	50	48	3.0	2	15	E/S	N/A	FAIR	13	13	IN	26/30	26/30	E	N	CLEAR
28	06:38	29° 35.808 93° 48.036	49	48	07:08	29° 34.544 93° 46.830	48	46	2.8	2	15	E/S	N/A	FAIR	13	13	OUT	26/30	26/30	E	N	CLEAR
28	07:23	29° 34.638 93° 46.642	47	46	08:02	29° 35.676 93° 48.078	46	46	3.0	2	15	E/S	N/A	FAIR	13	13	IN	26/30	26/30	E	N	CLEAR
28	08:12	29° 35.924 93° 48.204	51	48	08:52	29° 34.683 93° 46.756	50	46	2.9	2	15	E/S	N/A	FAIR	13	13	OUT	26/30	26/30	E	N	CLEAR
29	09:01	29° 34.757 93° 46.771	47	46	09:41	29° 35.825 93° 48.018	47	46	2.8	2	15	E/S	N/A	FAIR	13	13	IN	26/30	26/30	S	N	1) BLK DRUM 11 BLUE CRABS
29	09:59	29° 35.792 93° 48.107	46	45	10:39	29° 34.692 93° 46.504	49	46	2.8	2	15	E/S	N/A	FAIR	13	13	OUT	26/30	26/30	F	N	OIL CHANGE TRAFFIC
29	11:09	29° 34.306 93° 46.646	37	46	11:49	29° 35.646 93° 47.868	51	46	3.0	2	15	E/S	N/A	FAIR	13	13	IN	26/30	26/30	F	N	CLEAR
29	12:08	29° 35.736 93° 47.992	50	46	12:40	29° 34.529 93° 46.507	48	46	2.8	2	15	E/S	N/A	FAIR	13	13	OUT	26/30	26/30	F	N	CLEAR

Date 12/27/04 Dredge Site Sabine Pass, TX Dredge Eagle One

Trawler Miss Vanessa Biologist(s) Cary Deringer Capt Olivo Kotrulja

Tide (Time, High Or Low): 0925 Hrs, H / (L) ~1515 Hrs, (H) / L ~2200 Hrs, H / (L) 00200 Hrs (H) / L Water Temp 13 °C

Air Temp 15 °C Wind Spd / Dir E 5-10 Wave Ht 1-2 Bottom Type mud/clay Station #'s 26 - 33

Tow #	Start Time	Start Lat / Long dd mm.mm	Stop Time	Stop Lat / Long dd mm.mm	Tide: Ebb / Flood	Water Depth	Vessel Heading / Speed	Turtles ? Sturgeon ? Species ?	By - Catch	Comments (change in weather or water temp, net damage, etc.)
294	1247	29° 34.52 93° 46.60	1327	29° 35.86 93° 48.08	F	48	N 2.9	N		
295	1331	35.83 48.08	1411	34.58 46.67	F	48	S 2.9	N		
296	1415	34.65 46.66	1455	35.93 48.16	F	50	N 3.1	N		
297	1502	35.86 48.23	1542	34.75 46.91	F	44	S 2.8	N		
298	1544	34.72 46.19	1624	35.91 48.18	E	50	N 3.0	N		
299	1628	35.97 48.21	1708	37.55 48.97	E	50	N 2.9	N		
300	1715	37.66 48.99	1755	35.84 48.21	E	44	S 3.0	N	1 blk drum	
301	1803	35.88 48.11	1843	37.69 49.00	E	46	N 3.1	N		
302	1850	37.66 49.09	1930	35.73 48.14	E	39	S 2.9	N		
	1900	→		to dock						Mechanical problem w/ steering

Date 12/28/04 Dredge Site Sabine Pass TX Dredge Eagle One

Trawler Miss Vanessa Biologist(s) Cary Deringer Capt Olivio Kotruljo

Tide (Time, High Or Low): 1000 Hrs, H (L) 1355 Hrs, (H) / L 2010 Hrs, H (L) 0030 Hrs, (H) / L Water Temp 12 °C

Air Temp 13 °C Wind Spd / Dir SE 10-15 Wave Ht 2-3 Bottom Type mud/clay Station #'s 29 - 33

Tow #	Start Time	Start Lat / Long dd mm.mm	Stop Time	Stop Lat / Long dd mm.mm	Tide: Ebb / Flood	Water Depth	Vessel Heading / Speed	Turtles ? Sturgeon ? Species ?	By - Catch	Comments (change in weather or water temp, net damage, etc.)
	2000									return to dig site
303	2105	29° 38.17 93° 49.32	2145	29° 36.23 93° 48.40	F	47	S 3.0	N		
304	2148	36.37 48.36	2228	38.24 49.21	F	46	N 2.8	N	1 blk drum 1 red drum	
305	2235	38.03 49.27	2315	35.88 48.23	F	47	S 3.0	N		
306	2333	35.68 47.80	0013	37.63 48.97	F	40	N 2.8	N	2 blk drum	

PG. 1

Date: 12/29/2004 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 1037 am 2320 pm High: 0238 am 1842 pm Capt.: OLIVIO KUTRULJA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Ebb/Flow Tide	Turtle Yes/No	Comments/ By-catch
3 07	00 30	29° 37.296 N 93° 48.889 W	4 9	00 12	29° 35.577 N 93° 47.820 W	5 0	4 2	3.0	2	13	SE 5-10	N/A	1-3	12	12	OUT	29/33	29/33	F	N	CLEAR
3 08	01 18	29° 35.607 N 93° 47.723 W	4 0	01 58	29° 37.142 N 93° 48.786 W	4 7	4 0	3.0	2	13	SE 5-10	N/A	1-3	12	12	IN	29/33	29/33	F	N	CLEAR
3 09	02 02	29° 37.190 N 93° 48.858 W	4 7	02 42	29° 35.554 N 93° 47.857 W	5 1	4 6	2.7	2	13	SE 5-10	N/A	1-3	12	12	OUT	29/33	29/33	F	N	CLEAR
3 10	02 46	29° 35.585 N 93° 47.860 W	4 9	03 26	29° 37.146 N 93° 48.789 W	4 6	4 0	3.0	2	13	SE 5-10	N/A	1-3	12	12	IN	29/33	29/33	S	N	CLEAR
3 11	05 00	29° 31.930 N 93° 43.579 W	5 1	05 40	29° 30.116 N 93° 41.739 W	5 1	40	2.8	2	13	SE 5-10	N/A	1-3	12	12	OUT	17/18	17/18	E	N	CLEAR
3 12	05 42	29° 30.365 N 93° 41.677 W	5 0	06 27	29° 31.896 N 93° 43.510 W	5 2	40	2.7	2	13	SE 5-10	N/A	1-3	12	12	IN	17/18	17/18	E	N	CLEAR
3 13	06 31	29° 31.974 N 93° 43.558 W	5 1	07 10	29° 30.710 N 93° 42.183 W	4 4	4 0	2.5	2	13	SE 5-10	N/A	1-3	12	12	OUT	17/18	17/18	E	N	CLEAR
3 14	07 13	29° 30.602 N 93° 42.066 W	5 2	07 53	29° 30.495 N 93° 41.752 W	4 8	4 0	2.7	2	14	SE 5-10	N/A	1-3	13	13	OUT	17/18	17/18	E	N	CLEAR
3 15	07 54	29° 30.590 N 93° 41.822 W	3 9	08 34	29° 31.780 N 93° 43.529 W	4 1	4 0	3.0	2	14	SE 5-10	N/A	1-3	13	13	IN	17/18	17/18	E	N	CLEAR
3 16	08 38	29° 31.760 N 93° 43.407 W	4 8	09 18	29° 30.649 N 93° 41.982 W	4 9	4 0	2.5	2	15	ESE 8-10	N/A	1-3	13	13	OUT	13/18	13/18	E	N	CLEAR
3 17	09 20	29° 30.570 N 93° 41.903 W	5 0	10 00	29° 30.689 N 93° 42.123 W	4 4	4 0	2.7	2	15	ESE 10-12	N/A	2-3	13	13	OUT	13/18	13/18	E	N	CLEAR
3 18	10 01	29° 30.768 N 93° 42.195 W	4 7	10 41	29° 30.653 N 93° 42.141 W	5 0	4 0	3.0	2	15	ESE 10-12	N/A	2-3	13	13	IN	13/18	13/18	S	N	CLEAR
3 19	10 43	29° 30.660 N 93° 42.145 W	4 9	10 49	29° 30.882 N 93° 42.412 W	2 9	6 *	2.9	2	15	E 14 10	N/A	2-3	13	13	IN	13/18	13/18	F	N	CLEAR * CHANGING STATIC R-UP NEW GP
3 20	14 58	29° 35.788 N 93° 48.293 W	3 5	15 38	29° 34.608 N 93° 46.847 W	4 3	4 0	2.7	2	15	E 14 8-10	N/A	2-3	12	12	OUT	25/30	25/30	F	N	CLEAR
3 21	15 41	29° 34.622 N 93° 46.822 W	4 7	16 20	29° 35.920 N 93° 48.252 W	5 2	3 9	3.0	2	15	E 14 8-10	N/A	2-3	12	12	IN	25/30	25/30	F	N	CLEAR

PG 2

Date: 12-21-2004 Job Location: PASS CHANNEL

Tide: Low: 1037 am 2320 pm High: 0238 am 1842 pm Capt.: OLIVIO KUTRULJA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
322	16 23	29° 35.880 N 93° 48.186 W	5 0	17 03	29° 34.731 N 93° 46.951 W	4 6	4 0	2.7	2	15	E'ly 10	N/A	2-3	12	12	OUT	25/30	25/30	F	N	(1) RED DRUM (1) BLK DRUM
323	17 06	29° 34.686 N 93° 46.888 W	4 7	17 46	29° 35.936 N 93° 48.299 W	5 0	4 0	2.8	2	14	E'ly 10	N/A	2-3	12	12	IN	25/30	25/30	F	N	CLEAR
324	17 48	29° 36.969 N 93° 48.303 W	5 0	18 28	29° 34.738 N 93° 47.194 W	4 3	4 0	3.0	2	14	E'ly 10	N/A	2-3	11	11	OUT	25/30	25/30	F	N	CLEAR
325	18 32	29° 34.675 N 93° 47.045 W	4 4	19 12	29° 35.598 N 93° 48.222 W	3 9	4 0	2.8	2	14	E'ly 10	N/A	2-3	11	11	IN	25/30	25/30	S	N	CLEAR
326	19 13	29° 35.519 N 93° 48.141 W	4 0	19 53	29° 34.995 N 93° 47.228 W	51	40	2.1	2	14	E'ly 10	N/A	2-3	11	11	OUT	25/30	25/30	E	N	(P) Black Drum (S) 2 Black Dr
327	20 00	29 35.200 93 47.595	4 3	20 40	29° 34.816 93° 47.303	4 3	40	2.8	2	14	E 10	N/A	2-3	11	11	OUT	25/30	25/30	E	N	CLEAR
328	20 45	29° 34.770 93° 47.122	4 5	21 25	29° 35.365 93° 47.748	42	40	2.9	2	14	E 10	N/A	2-3	11	11	out	25/30	25/30	E	N	CLEAR
329	21 30	29° 35.178 93° 47.576	4 1	22 10	29° 35.060 93° 47.405	43	40	2.6	2	14	E 10	N/A	2-3	11	11	OUT	25/30	25/30	E	N	Clear
330	22 15	29° 34.970 93° 47.315	4 2	22 55	29° 35.298 93° 47.637	44	40	2.9	2	14	E 10	N/A	2-3	11	11	IN	25/30	25/30	E	N	Clear
331	23 00	29° 35.386 93° 47.719	4 3	23 40	29° 34.710 93° 46.888	48	40	2.7	2	14	ESE 10	N/A	1-2	11	11	OUT	25/30	25/30	E	N	(P) 1 Red Drum 2 Black Drum (S) 1 Black Drum
332	23 50	29° 34.828 93° 46.959	51	00 30	29° 35.930 93° 48.137	49	40	2.7	2	14	ESE 8-10	N/A	1-2	11	11	IN	25/30	25/30	S	N	clear
333	00 37	29° 35.814 93° 48.137	49	01 17	29° 34.512 93° 46.556	50	40	2.8	2	13	ESE 8-10	N/A	1-2	11	11	OUT	25/30	25/30	F	N	P. 2 B. Drum S. 1 B Drum
334	01 30	29° 34.400 93° 46.414	49	02 10	29° 35.918 93° 48.195	49	40	2.7	2	13	ESE 8-10	N/A	1-2	11	11	IN	25/30	25/30	F	N	clear
335	02 15	29° 35.773 93° 48.052	45	02 55	29° 34.709 93° 46.679	48	40	2.8	2	13	ESE 8-10	N/A	1-2	11	11	OUT	25/30	25/30	F	N	clear
336	03 00	29° 34.944 93° 46.974	42	03 40	29° 36.163 93° 48.307	49	40	3.0	2	13	ESE 8-10	N/A	1-2	11	11	IN	25/30	25/30	F	N	CLEAR

12/30/04

1/

Date: 11/30/2004 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low: 1115 am pm **High:** 0322 am 1916 pm **Capt.:** OLIVIO KUTRULJA **Crew:** CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT.	Stop Time	Stop: Lat/ Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch (2 mi vis. FOG)
337	05 47	29° 36.000 N 93° 48.372 W	48	06 27	29° 34.851 N 93° 46.840 W	48	40	2.8	2	13	ESE 8-10	N/A	1-2	11	11	OUT	25/30	25/30	F	N	Clear
338	06 34	29° 34.851 93° 46.990	47	05 14	29° 34.200 93° 48.444	45	40	2.8	2	13	ESE 8	N/A	1-2	11	11	IN	25/30	25/30	S	N	Clear
339	05 20	29° 36.069 93° 48.212	50	06 00	29° 34.869 93° 47.048	47	40	2.7	2	13	ESE 8	N/A	1-2	11	11	OUT	25/30	25/30	E	N	Clear
340	06 07	29° 34.966 93° 46.997	50	06 47	29° 36.353 93° 48.491	49	40	2.9	2	13	ESE 8	N/A	1-2	11	11	IN	25/30	25/30	E	N	CLEAR
341	06 49	29° 36.276 N 93° 48.424 W	4 8	07 29	29° 35.022 N 93° 47.136 W	5 0	4 0	2.9	2	13	ESE 8	N/A	1-2	11	11	OUT	25/30	25/30	E	N	CLEAR
342	07 34	29° 34.960 N 93° 47.013 W	4 4	08 14	29° 35.620 N 93° 48.053 W	4 0	4 0	3.0	2	13	ESE 8	N/A	1-2	11	11	IN	25/30	25/30	E	N	CLEAR
343	08 17	29° 35.515 N 93° 47.894 W	4 3	08 57	29° 34.775 N 93° 46.901 W	4 9	4 0	2.8	2	14	ESE 8	N/A	1-2	11	11	OUT/IN	25/30	25/30	E	N	CLEAR
344	09 42	(*) 29° 36.960 N 93° 48.833 W	3 0	10 22	29° 37.414 N 93° 48.963 W	4 8	4 0	2.5	2	15	ESE 8	N/A	1-2	11.5	11.5	IN/OUT	33/34	33/34	E	N	(*) CHANGE STATIONS CLEAR
345	10 25	29° 37.190 N 93° 48.915 W	4 2	11 05	29° 37.890 N 93° 49.258 W	3 8	4 0	3.0	2	15	ESE 10	N/A	2-3	11.5	11.5	IN/OUT	33/34	33/34	E	N	CLEAR
346	11 07	29° 37.710 N 93° 49.133 W	4 5	11 45	29° 37.289 N 93° 49.130 W	2 8	3 8	3.0	2	15	ESE 10	N/A	2-3	11.5	11.5	OUT/IN	33/34	33/34	S	N	CLEAR
347	11 48	29° 37.188 N 93° 49.183 W	2 9	12 28	29° 37.198 N 93° 49.003 W	2 8	4 0	2.6	2	15	ESE 10	N/A	2-3	11.5	11.5	IN/OUT	33/34	33/34	F	N	(16) BLK DRUM (7) BLUE CRAB
348	13 02	29° 36.875 N 93° 49.131 W	2 9	13 42	29° 37.794 N 93° 49.291 W	2 9	4 0	2.5	2	16	ESE 10	N/A	1-3	12	12	IN/OUT	33/34	33/34	F	N	CLEAR
349	13 44	29° 37.588 N 93° 49.280 W	2 7	14 24	29° 37.968 N 93° 49.248 W	3 9	4 0	2.5	2	17	ESE 10	N/A	1-3	12	12	OUT/IN	33/34	33/34	F	N	CLEAR
350	14 26	29° 37.855 N 93° 49.106 W	4 5	15 06	29° 37.797 N 93° 49.170 W	4 6	4 0	2.5	2	17	ESE 10	N/A	1-3	12	12	OUT	33/34	33/34	F	N	CLEAR
351	15 10	29° 37.992 N 93° 49.212 W	5 0	15 50	29° 38.020 N 93° 49.141 W	4 0	4 0	3.0	2	16	ESE 8	N/A	<1	12	12	IN	33/34	33/34	F	N	(1) RED DRUM (2) BLUE CRAB (1) BLK DRUM

Date: 12/30/2001 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 1115 am pm High: 0322 am 1916 pm Capt.: OLIVIO KUTRULJA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
352	15 56	29° 37.686 N 93° 49.086 W	5 1	16 36	29° 36.516 N 93° 48.422 W	4 0	4 0	2.9	2	14	ESE 5	N/A	<1	12	12	OUT	33/34	33/34	F	N	CLEAR
353	16 37	29° 36.590 N 93° 48.400 W	3 4	17 17	29° 38.107 N 93° 49.211 W	4 3	4 0	3.0	2	14	ESE <5	N/A	<1	12	12	IN	33/34	33/34	F	N	CLEAR
354	17 20	29° 38.174 N 93° 49.337 W	5 0	18 00	29° 36.460 N 93° 48.694 W	3 5	4 0	2.9	2	14	ESE <5	N/A	<1	11	11	OUT	33/34	33/34	F	N	CLEAR
355	18 03	29° 36.355 N 93° 48.645 W	3 5	18 43	29° 37.955 N 93° 49.416 W	3 1	4 0	2.7	2	14	ESE <5	N/A	<1	11	11	IN	33/34	33/34	F	N	CLEAR
356	18 45	29° 38.002 N 93° 49.353 W	3 3	19 25	29° 38.171 N 93° 49.361 W	4 7	4 0	3.0	2	14	ESE <5	N/A	<1	11	11	OUT/IN	33/34	33/34	S	N	CLEAR
357	19 27	29° 38.200 N 93° 49.325 W	5 3	20 07	29° 36.555 N 93° 48.793 W	3 3	4 0	2.5	2	13	ESE 8	N/A	1-2	11	11	OUT	33/34	33/34	E	N	(3) BLK. DRUM
358	20 14	29° 36.233 N 93° 48.766 W	3 4	20 54	29° 37.992 N 93° 49.485 W	3 0	4 0	2.8	2	13	ESE 8	N/A	1-2	11	11	IN	33/34	33/34	E	N	CLEAR
359	20 56	29° 38.100 N 93° 49.473 W	3 1	21 36	29° 37.806 N 93° 49.153 W	5 1	4 0	2.9	2	13	ESE 8	N/A	1-2	11	11	OUT	33/34	33/34	E	N	CLEAR
360	21 37	29° 37.914 N 93° 49.145 W	2 9	22 17	29° 37.011 N 93° 48.675 W	49	40	2.8	2	13	ESE 8	N/A	1-2	11	11	IN	33/34	33/34	E	N	clear
361	22 22	29° 36.787 93° 48.652	49	23 02	29° 35.516 93° 47.814	51	40	2.9	2	13	ESE 5-10	N/A	1-2	11	11	OUT	29/32	29/32	E	N	clear
362	23 07	29° 35.652 93° 48.003	50	23 47	29° 37.308 93° 48.960	49	40	2.9	2	13	ESE 5-10	N/A	1-2	11	11	IN	29/32	29/32	E	N	clear (NET twisted)

Job Location: PASCHAL Dec 31, 2004 **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low: 0015 am 1155 pm **High:** 0412 am 1947 pm **Capt.:** OLIVIO KUTRULJA **Crew:** CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance mi	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Ebb/Flow Tide	Turtle Yes/No	Comments/ By-catch
363	00 00	29° 37.326 N 93° 48.925 W	4 9	00 40	29° 36.666 N 93° 48.596 W	50	40	2.8	2	13	ESE 5	N/A	1-2	11	11	out/in	29/32	29/32	S	N	CLEAR
364	00 45	29° 36.800 N 93° 48.690 W	4 9	01 25	29° 36.044 N 93° 48.221 W	50	40	2.7	2	13	ESE 6	N/A	1-2	11	11	in/out	29/32	29/32	F	N	CLEAR
365	01 30	29° 36.053 N 93° 48.338 W	50	02 10	29° 37.249 N 93° 49.073 W	32	40	2.8	2	13	ESE 5	N/A	1-2	11	11	in/out	29/32	29/32	F	N	5) 2 Black Drum 2 Blue Crab
366	02 20	29° 37.082 N 93° 48.929 W	32	03 00	29° 37.506 N 93° 49.039 W	50	40	2.9	2	13	ESE 5	N/A	1-2	11	11	out/in	29/32	29/32	F	N	5) 1 Red 1 Black Drum
367	03 05	29° 37.485 N 93° 49.000 W	51	03 45	29° 35.956 N 93° 48.309 W	49	40	2.8	2	13	ESE 5	N/A	1-2	11	11	out/in	29/32	29/32	F	N	CLEAR
368	03 50	29° 35.981 N 93° 48.218 W	50	04 30	29° 37.633 N 93° 49.096 W	50	40	2.8	2	13	ESE 5	N/A	1-2	11	11	out/in	29/32	29/32	F	N	CLEAR
369	04 35	29° 37.715 N 93° 49.103 W	51	05 15	29° 36.158 N 93° 48.530 W	35	40	2.7	2	13	ESE 5	N/A	1-2	11	11	in	29/32	29/32	S	N	CLEAR
370	05 25	29° 36.069 N 93° 48.356 W	50	06 05	29° 36.963 N 93° 48.784 W	50	40	2.6	2	13	ESE 5	N/A	1-2	11	11	out	29/32	29/32	E	N	5) 1 Red 1 Black Drum 2) 1 Black Drum
371	06 10	29° 36.934 N 93° 48.772 W	50	06 50	29° 37.334 N 93° 49.148 W	30	40	2.6	2	13	ESE 5	N/A	1-2	11	11	in/out	29/32	29/32	E	N	CLEAR
372	06 53	29° 37.318 N 93° 49.181 W	2 9	07 33	29° 36.387 N 93° 48.770 W	33	40	2.9	2	14	ESE 5-8	N/A	1-2	11.5 kt	11.5 kt	out/in	29/32	29/32	E	N	CLEAR
373	07 45	29° 36.808 N 93° 48.824 W	3 1	08 25	29° 35.704 N 93° 48.087 W	4 9	40	2.7	2	14	ESE 8-10	N/A	1-2	11.5 kt	11.5 kt	out/in	29/32	29/32	E	N	(2) RED DRUM (2) BLUE CRAB
374	08 26	29° 35.788 N 93° 48.126 W	3 3	09 06	29° 37.221 N 93° 48.936 W	4 9	40	2.7	2	14	ESE 10	N/A	1-3	11.5	11.5	out	29/32	29/32	E	N	CLEAR
375	09 14	29° 37.467 N 93° 48.928 W	4 4	09 54	29° 35.711 N 93° 48.038 W	5 0	40	2.7	2	14	ESE 10	N/A	1-3	11.5	11.5	in	29/32	29/32	E	N	(2) BLK DRUM (2) BLUE CRAB
376	09 56	29° 39.690 N 93° 47.955 W	4 9	10 36	29° 37.163 N 93° 48.805 W	4 7	40	2.7	2	16	ESE 10	N/A	1-3	12	12	out	29/32	29/32	E	N	CLEAR
377	10 38	29° 37.156 N 93° 48.850 W	4 7	11 18	29° 35.474 N 93° 47.920 W	4 0	40	3.0	2	16	ESE 10	N/A	1-3	12	12	in	29/32	29/32	E	N	CLEAR
																out		29/32 *			CLEAR

* DREDGE

Date: 1/15/2021 Job Location: ~~SAB~~ PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0015 am 1155 pm High: 0412am 1947 pm Capt.: OLIVIO KUTRULYA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance mi	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch (*) DREDGE OUT OF CHANNEL... FOR REPAIRS
378	11 20	29° 35.520 'N 93° 47.877 'W	4 5	12 00	29° 36.920 'N 93° 48.674 'W	4 6	4 0	2.5	2	17	ESE 10	N/A	1-3	12	12	IN	29/32	29/32 (*)	E	N	CLEAR
379	17 03	29° 36.930 'N 93° 48.768 'W	4 7	12 43	29° 35.516 'N 93° 47.812 'W	5 0	4 0	3.0	2	20	ESE 10	N/A	1-3	12	12	OUT	29/32	29/32 (*)	S	N	CLEAR
380	12 44	29° 35.578 'N 93° 47.820 'W	4 8	13 24	29° 37.049 'N 93° 48.770 'W	5 1	4 0	3.0	2	20	ESE 10	N/A	1-3	12	12	IN	29/32	29/30	F	N	CLEAR
381	13 27	29° 37.143 'N 93° 48.804 'W	4 9	14 07	29° 35.480 'N 93° 47.772 'W	4 7	4 0	3.0	2	20	ESE 10	N/A	1-3	12	12	OUT	29/32	29/32	F	N	CLEAR
382	14 09	29° 35.518 'N 93° 47.757 'W	5 1	14 49	29° 36.895 'N 93° 48.775 'W	4 2	4 0	2.8	2	18	ESE 10	N/A	1-3	12	12	IN	29/32	29/32	F	N	CLEAR
383	14 51	29° 36.926 'N 93° 48.714 'W	5 1	15 31	29° 35.574 'N 93° 47.680 'W	3 9	4 0	3.0	2	18	ESE 10	N/A	1-3	12	12	OUT	29/32	29/32	F	N	CLEAR
384	15 33	29° 35.485 'N 93° 47.762 'W	5 0	16 13	29° 36.805 'N 93° 48.655 'W	4 6	4 0	2.8	2	16	ESE 10	N/A	1-3	12	12	IN	29/32	29/32	F	N	CLEAR
385	16 19	29° 37.199 'N 93° 48.830 'W	4 9	16 59	29° 35.632 'N 93° 47.941 'W	5 0	4 0	2.9	2	15	ESE 10	N/A	1-3	12	12	OUT	29/32	29/32	F	N	CLEAR
386	17 01	29° 35.650 'N 93° 47.877 'W	5 0	18 42	29° 37.159 'N 93° 48.650 'W	3 9	4 0	3.0	2	14	ESE 10	N/A	1-3	11	11	IN	29/32	29/32	F	N	CLEAR
387	17 44	29° 37.230 'N 93° 48.618 'W	3 1	18 24	29° 36.433 'N 93° 48.293 'W	3 6	4 0	3.0	2	13	ESE 10	N/A	1-3	11	11	OUT	29/32	29/32	F	N	CLEAR
388	18 25	29° 36.535 'N 93° 48.310 'W	3 4	19 05	29° 37.147 'N 93° 48.606 'W	3 1	4 0	2.6	2	13	ESE 10	N/A	1-3	11	11	IN	29/32	29/32	F	N	CLEAR
389	19 07	29° 37.050 'N 93° 48.542 'W	3 1	19 47	29° 36.623 'N 93° 48.403 'W	3 4	4 0	2.8	2	13	ESE 10	N/A	1-3	11	11	OUT	29/32	29/32	S	N	CLEAR
390	19 48	29° 36.740 'N 93° 48.416 'W	3 3	20 28	29° 36.846 'N 93° 48.430 'W	3 2	4 0	2.6	2	13	ESE 10	N/A	1-3	11	11	IN	29/32	29/32	E	N	CLEAR
391	20 29	29° 36.713 'N 93° 48.379 'W	3 2	21 09	29° 37.392 'N 93° 48.727 'W	3 1	4 0	2.8	2	13	ESE 10	N/A	1-3	11	11	OUT	29/32	29/32	E	N	CLEAR
392	21 12	29° 37.606 'N 93° 48.799 'W	3 0	21 52	29° 37.320 'N 93° 48.688 'W	3 1	4 0	2.6	2	13	ESE 8-10	N/A	1-3	11	11	IN	29/32	29/32	E	N	CLEAR

3

Date: 1/21/2004 Job Location: SW PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0015 am 1155 pm High: 0412 am 1947 pm Capt.: Crew:

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
3	2153	29° 37.338' N 93° 48.607' W	30	2233	29° 37.486' N 93° 48.802' W	31	40	2.6	2	13	ESE 8	N/A	1-2	11	11	OUT	33/31	33/34	E	N	CLEAR
4	2241	29° 37.564' N 93° 48.631' W	29	2321	29° 37.113' N 93° 48.643' W	32	40	3.0	2	13	ESE 8	N/A	1-2	11	11	IN	33/34	33/34	E	N	CLEAR
5	2329	29° 37.274' N 93° 48.690' W	31	0005	29° 37.757' N 93° 49.144' W	33	40	2.4	2	13	ESE 25	N/A	2-1	11	11	OUT	33/34	33/34	E	N	Clear

Date: 1/1/2005 Job Location: SAG. PASS CHANNEL Jan 01, 2005 Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0116 am 1239 pm High: 0518 am 2014 pm Capt.: OLIVIO KUTRULA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth ft	Stop Time	Stop: Lat/ Long	Stop Depth ft	Trawl time	Speed mid-tow knots	Trawl Distance mi	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height ft	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Ebb/Flow Tide	Turtle Yes/No	Comments/ By-catch
396	0010	29° 37.526 N 93° 49.117 W	37	0052	29° 38.0[illegible] N 93° 49.383 W	35	40	2.8	2	13	ESE <5	N/A	<1	11	11	OUT IN	33/34	33/34	E	N	clear (EOG 48 mi VJ3)
397	0100	29° 38.[illegible] N 93° 49.253 W	36	0140	29° 37.072 N 93° 48.776 W	49	40	2.5	2	13	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	S	N	clear
398	0146	29° 37.[illegible] N 93° 48.824 W	47	0226	29° 37.826 N 93° 49.186 W	47	40	2.6	2	13	ESE 5-10	N/A	1-3	11	11	IN OUT	33/34	33/34	F	N	clear
399	0231	29° 37.683 N 93° 49.124 W	47	0311	29° 38.114 N 93° 49.302 W	51	40	2.7	2	13	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	F	N	clear
400	0217	29° 38.090 N 93° 49.144 W	42	0357	29° 38.092 N 93° 49.300 W	47	40	2.7	2	13	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	F	N	clear
401	0303	29° 38.153 N 93° 49.283 W	47	0343	29° 37.994 N 93° 48.982 W	50	40	2.5	2	13	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	F	N	3 6 Drum 2 2 Drum
402	0500	29° 37.984 N 93° 49.246 W	48	0542	29° 37.985 N 93° 49.154 W	49	40	2.6	2	13	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	S	N	clear
403	0545	29° 38.034 N 93° 49.212 W	48	0625	29° 37.711 N 93° 49.033 W	47	40	2.6	2	13	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	E	N	clear
404	0631	29° 37.892 N 93° 49.085 W	48	0711	29° 37.887 N 93° 49.180 W	37	40	2.6	2	13	ESE 5-10	N/A	1-3	11	11	IN OUT	33/34	33/34	E	N	clear
405	0715	29° 37.472 N 93° 49.048 W	43	0755	29° 37.846 N 93° 49.380 W	28	40	2.5	2	14	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	E	N	CLEAR
406	0757	29° 37.684 N 93° 49.393 W	29	0837	29° 37.785 N 93° 49.449 W	28	40	2.7	2	14	ESE 5	N/A	1-3	11	11	OUT IN	33/34	33/34	E	N	CLEAR
407	0843	29° 37.766 N 93° 48.910 W	29	0923	29° 38.069 N 93° 49.057 W	30	40	2.8	2	15	ESE 5	N/A	1-3	12	12	OUT IN	33/34	33/34	E	N	CLEAR
408	0926	29° 38.062 N 93° 49.102 W	29	1005	29° 37.692 N 93° 48.844 W	29	40	2.5	2	16	ESE 5	N/A	1-3	12	12	OUT	33/34	33/34	E	N	CLEAR
409	1007	29° 37 773 N 93° 48.850 W	29	1047	29° 37.222 N 93° 48.722 W	32	40	2.6	2	16	ESE 5	N/A	1-3	12	12	IN	33/34	33/34	E	N	CLEAR
410	1049	29° 37.168 N 93° 48.670 W	31	1129	29° 37.728 N 93° 48.852 W	27	40	2.5	2	17	ESE 8-10	N/A	1-3	12	12	OUT	33/34	33/34	E	N	CLEAR

Date: 1/1/20[illegible] Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0116 am 1239 pm High: 0518 am 2014 pm Capt.: OLIVIO KUTRULIA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance mi	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Ebb/Flow Tide	Turtle Yes/No	Comments/ By-catch
																					DENSE FOG
4/1	1130	29° 37.610 N 93° 48.826 W	27	1210	29° 38.124 N 93° 48.922 W	29	40	3.0	2	17	ESE 8	N/A	1-3	12	12	OUT	33/34	33/34	E	N	CLEAR
4/2	1212	29° 37.980 N 93° 48.858 W	27	1252	29° 37.755 N 93° 48.792 W	28	40	2.8	2	17	ESE 8-10	N/A	1-3	12	12	IN	33/34	33/34	S	N	CLEAR
4/3	1253	29° 37.820 N 93° 48.887 W	27	1333	29° 37.358 N 93° 48.610 W	29	40	2.5	2	16	ESE 8-10	N/A	1-3	12	12	OUT	33/34	33/34	F	N	CLEAR
4/4	1335	29° 37.463 N 93° 48.670 W	29	1415	29° 37.277 N 93° 48.665 W	30	40	2.5	2	16	ESE 8-10	N/A	1-3	12	12	IN/OUT	33/34	33/34	F	N	CLEAR
4/5	1418	29° 37.164 N 93° 48.596 W	30	1458	29° 37.940 N 93° 48.883 W	30	40	2.6	2	15	ESE 8-10	N/A	1-3	12	12	IN/OUT	33/34	33/31	F	N	CLEAR
4/6	1459	29° 37.770 N 93° 48.852 W	29	1539	29° 37.874 N 93° 48.993 W	30	40	3.0	2	15	ESE 8-10	N/A	1-3	12	12	OUT/IN	33/34	33/34	F	N	(4) BLUECRAB (2) BLK DRUM
4/7	1547	29° 38.109 N 93° 49.101 W	31	1627	29° 37.148 N 93° 49.972 W	50	40	2.5	2	15	ESE 8-10	N/A	1-3	12	12	OUT	33/34	33/34	F	N	CLEAR
4/8	1629	29° 37.970 N 93° 49.190 W	50	1709	29° 37.159 N 93° 48.872 W	50	40	2.7	2	14	ESE 8-10	N/A	1-3	12	12	IN/OUT	33/34	33/34	F	N	CLEAR
4/9	1710	29° 37.244 N 93° 48.911 W	49	1750	29° 37.797 N 93° 49.141 W	47	40	2.4	2	14	ESE 8-10	N/A	1-3	12	12	IN	33/34	33/34	F	N	CLEAR
4/20	1752	29° 37.640 N 93° 49.101 W	45	1832	29° 38.151 N 93° 49.363 W	43	40	2.8	2	14	ESE 8-10	N/A	1-3	12	12	OUT/IN	33/34	33/34	F	N	CLEAR
4/21	1834	29° 38.215 N 93° 49.322 W	47	1914	29° 38.055 N 93° 49.090 W	31	40	2.8	2	13	ESE 5-8	N/A	1-3	11	11	OUT/IN	33/34	33/34	F	N	CLEAR
4/22	1917	29° 38.201 N 93° 49.116 W	31	1957	29° 37.867 N 93° 49.442 W	29	40	2.7	2	13	ESE 5-8	N/A	1-3	11	11	OUT/IN	33/34	33/34	F	N	CLEAR
4/23	1958	29° 37.934 N 93° 49.420 W	30	2038	29° 37.899 N 93° 49.155 W	50	40	2.6	2	13	ESE 5-8	N/A	1-3	11	11	OUT/IN	33/34	33/34	ES	N	CLEAR
4/24	2041	29° 37.938 N 93° 49.232 W	49	2121	29° 37.385 N 93° 49.085 W	31	40	2.8	2	13	ESE 5-8	N/A	1-3	11	11	OUT/IN	33/34	33/34	E	N	CLEAR
4/25	2122	29° 37.475 N 93° 49.160 W	30	2202	29° 37.276 N 93° 49.150 W	30	40	2.6	2	13	ESE 5-8	N/A	1-3	11	11	IN/OUT	33/34	33/34	E		

Date: [illegible] Job Location: PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0116 am 1239 pm High: 0518 am 2014 pm Capt.: OLIVIO KUTRULJA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
426	22 04	29°37.280 N 93°49.065 W	3 41	22 44	29°37.473 N 93°49.252 W	30	40	2.5	2	13	ESE 8	N/A	1-3	11	11	IN	33/34	33/34	E	N	Clear DENSE FOG
427	22 49	29°37.253 N 93°49.090 W	30	23 29	29°37.192 N 93°49.489 W	31	40	2.5	2	13	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	E	N	clear
428	23 36	29°37.[illegible] 93°49.449	31	00 16	29°37.302 93°49.188	30	40	2.5	2	13	ESE 5-10	N/A	1-3	11	11	OUT IN	33/34	33/34	E	N	clear
429	00																				

PG. 1

Date: 1/2/2005 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low: 0216 am 1331 pm **High:** 0650 am 2036 pm **Capt.:** OLIVIO KUTRULLA **Crew:** CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch fog-0 visability
429	00 20	29 37.400 N 93 49.238 W	30	01 00	29 36.946 N 93 48.808 W	49	40	2.5	2	13	SE 5-10	N/A	1-2	11	11	out	33/34	33/34	E	N	CLEAR
430	01 05	29 36.920 N 93 48.731 W	51	01 45	29 38.031 N 93 49.383 W	31	40	2.5	2	13	SE 5	N/A	1-2	11	11	IN	33/34	33/34	E	N	CLEAR
431	01 50	29 38.159 N 93 49.376 W	48	02 30	29 37.304 N 93 49.122 W	30	40	2.5	2	13	SE 5	N/A	1-2	11	11	out/IN	33/34	33/34	S	N	(4) 1 Black Drum (5) clear
432	02 40	29 37.461 N 93 49.108 W	38	03 20	29 37.191 N 93 49.171 W	30	40	2.5	2	13	SE 5	N/A	1-2	11	11	IN/out	33/34	33/34	F	N	CLEAR
433	03 25	29 37.162 N 93 49.064 W	32	04 05	29 37.979 N 93 49.319 W	40	40	2.5	2	13	SE 5	N/A	1-2	11	11	out/IN	33/34	33/34	F	N	CLEAR
434	04 10	29 38.119 N 93 49.358 W	46	04 50	29 37.297 N 93 49.170 W	32	40	2.5	2	13	SE 5	N/A	1-2	11	11	out/IN	33/34	33/34	F	N	CLEAR
435	04 55	29 37.428 N 93 49.288 W	28	05 35	29 36.980 N 93 48.808 W	50	40	2.5	2	13	SE 5	N/A	1-2	11	11	IN/out	33/34	33/34	F	N	(4) Red Drum/Bl Crab (5) 2 Black Drum
436	05 40	29 36.885 N 93 48.722 W	51	06 20	29 36.866 N 93 48.861 W	32	40	2.6	2	13	SE 5	N/A	1-2	11	11	IN/out	33/34	33/34	F	N	CLEAR
437	06 20	29 36.960 N 93 48.910 W	31	07 00	29 37.484 N 93 49.318 W	29	40	2.6	2	13	SE 5	N/A	1-2	12	12	IN/out	33/34	33/34	S	N	CLEAR
438	07 05	29 37.339 N 93 49.290 W	28	07 45	29 37.633 N 93 49.380 W	28	40	2.8	2	13	SE 5-8	N/A	1-2	12	12	out/IN	33/34	33/34	E	N	CLEAR
439	07 48	29 37.701 N 93 49.390 W	27	08 28	29 37.760 N 93 49.333 W	30	40	2.6	2	14	SE 5-8	N/A	1-2	12	12	OUT/IN	33/34	33/34	E	N	CLEAR
440	08 30	29 37.717 N 93 49.288 W	29	09 10	29 37.606 N 93 49.303 W	29	40	3.0	2	14	SE 5-8	N/A	1-2	12	12	OUT	33/34	33/34	E	N	CLEAR
441	09 12	29 37.709 N 93 49.321 W	29	09 52	29 36.865 N 93 49.005 W	30	40	2.5	2	14	SE 5-8	N/A	1-2	12	12	IN/OUT	33/34	33/34	E	N	(2) BLK DRU (1) SHEEPSHE
442	10 05	29 36.888 N 93 48.902 W	31	10 45	29 37.866 N 93 49.352 W	28	40	2.5	2	14	SE 8-12	N/A	1-3	12	12	IN	33/34	33/34	E	N	CLEAR
443	10 46	29 37.721 N 93 49.348 W	29	11 26	29 36.093 N 93 49.207 W	49	40	2.6	2	14	SE 10-12	N/A	1-3	12	12	OUT	33/34	33/34	E	N	CLEAR

PG2

Date: 1/2/2005 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0216 am 1331 pm High: 0659 am 2036 pm Capt.: OLIVIO KUTRUYA Crew: CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch (DENSE Fo
44	11 28	29° 38. 118 N 93° 49. 284 W	5 2	12 08	29° 37. 494 N 93° 49. 286 W	26	40	3.0	2	15	SE 10-2	N/A	1-3	12	12	OUT	33 34	33 34	E	N	CLEAR
45	12 09	29° 37. 566 N 93° 49. 337 W	8	12 51	29° 37. 141 N 93° 48. 930 W	32	40	2.5	2	15	SE 10-12	N/A	1-3	12	12	IN/OUT	33 34	33 34	E	N	CLEAR
46	12 52	29° 37. 228 N 93° 48. 974 W	3 1	13 32	29° 37. 286 N 93° 49. 422 W	28	40	3.0	2	16	SE 10	N/A	1-3	12	12	IN/OUT	33 34	33 34	S	N	CLEAR
47	13 34	29° 37. 29 N 93° 49. 395 W	2 7	14 14	29° 37. 471 N 93° 49. 058 W	38	40	2.5	2	16	SE 10	N/A	1-3	12	12	IN	33 34	33 34	F	N	CLEAR
48	14 15	29° 37. 359 N 93° 49. 028 W	2 4	14 55	29° 37. 758 N 93° 49. 152 W	52	40	2.8	2	16	SE 10	N/A	1-3	12	12	OUT	33 34	33 34	F	N	CLEAR
49	16 27	29° 31° 582 N 93° 43° 395 W	4 1	17 07	29° 30. 514 N 93° 42. 064 W	30	40	3.0	2	15	SE 10-12	N/A	1-3	12	12	OUT	17 18	17 18	F	N	CLEAR
50	17 12	29° 30. 520 N 93° 41. 933 W	4 8	17 52	29° 31. 019 N 93° 42. 787 W	41	40	2.7	2	15	E 15	N/A	1-3	12	12	IN/OUT	17 18	17 18	F	N	CLEAR
51	18 03	29° 30. 718 N 93° 42. 884 W	4 1	18 43	29° 31. 267 N 93° 43. 019 W	42	40	2.6	2	15	E 15-18	N/A	1-3	12	12	OUT/IN	17 18	17 18	F	N	CLEAR
52	18 46	29° 31. 348 N 93° 43. 096 W	43	19 26	29° 30. 573 N 93° 42. 154 W	41	40	2.8	2	15	E 15-18	N/A	1-3	12	12	OUT/IN	17 18	17 18	F	N	CLEAR
53	19 27	29° 30. 622 N 93° 42. 303 W	4 0	20 07	29° 30. 948 N 93° 42. 696 W	42	40	2.7	2	15	E 15	N/A	1-3	12	12	IN/OUT	17 18	17 18	F	N	CLEAR
54	20 09	29° 30. 890 N 93° 42. 645 W	4 0	20 49	29° 30. 961 N 93° 42. 743 W	41	40	2.5	2	15	E 10-15	N/A	1-3	12	12	OUT/IN	17 18	17 18	S	N	CLEAR
55	20 52	29° 31. 102 N 93° 42. 868 W	4 1	21 32	29° 30. 890 N 93° 42. 550 W	41	40	2.8	2	15	E 10	N/A	1-3	12	12	OUT/IN	17 18	17 18	E	N	CLEAR
56	21 34	29° 30. 976 N 93° 42. 695 W	4 1	22 14	29° 30. 595 N 93° 42. 194 W	40	40	2.8	2	15	E 10	N/A	1-3	12	12	IN/OUT	17 18	17 18	E	N	CLEAR
57	22 15	29° 30. 584 N 93° 42. 149 W	4 1	22 55	29° 31. 321 N 93° 43. 002 W	43	40	2.6	2	15	E 10	N/A	1-3	12	12	IN/OUT	17 18	17 18	E	N	(1) 1 Black Drum
58	23 00	29° 31. 289 N 93° 41. 927 W	44	23 45	29° 31. 246 N 93° 42. 958 W	41	40	2.7	2	15	E 10	N/A	1-3	12	12	OUT/IN	17 18	17 18	E	N	(2) Clear Eye Twisted Mouth (3) 1 Black Dr

PG. 1

Date: 1/31/2005 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low: 0309 am 1435 pm **High:** 0859 am 2055 pm **Capt.:** OLIVIO KUTRUCYA **Crew:** CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By: catch
459	00 00	29° 31.457 N 93° 43.096 W	48	00 40	29° 31.083 N 93° 42.608 W	46	40	2.6	2	15	E 10	N/A	1-2	12	12	OUT IN	17/18	17/18	E	N	clear
460	00 45	29° 31.276 N 93° 42.722 W	57	01 25	29° 30.716 N 93° 42.190 W	51	40	2.8	2	15	E 10	N/A	1-3	12	12	OUT IN	17/18	17/18	E	N	clear
461	01 29	29° 30.381 N 93° 42.253 W	57	02 09	29° 30.496 N 93° 41.975 W	48	40	2.8	2	15	E 10	N/A	1-3	12	12	IN OUT	17/18	17/18	E	N	clear
462	02 15	29° 30.411 N 93° 41.770 W	60	02 55	29° 31.112 N 93° 42.639 W	46	40	2.7	2	15	E 10	N/A	1-3	12	12	IN OUT	17/18	17/18	E	N	26. Drum 1 crab
463	03 10	29° 30.763 N 93° 42.248 W	52	03 52	29° 31.333 N 93° 42.765 W	49	40	2.7	2	15	E 10	N/A	1-3	12	12	OUT IN	17/18	17/18	S	N	clear
464	03 55	29° 31.343 N 93° 42.906 W	50	04 35	29° 30.536 N 93° 42.039 W	42	40	2.8	2	15	ESE 10	N/A	1-3	12	12	OUT IN	17/18	17/18	F	N	clear
465	04 40	29° 30.664 N 93° 42.124 W	51	05 20	29° 30.652 N 93° 41.982 W	51	40	2.8	2	15	ESE 10	N/A	1-3	12	12	IN OUT	17/18	17/18	F	N	clear
466	05 25	29° 30.657 N 93° 41.926 W	47	06 05	29° 30.650 N 93° 42.062 W	44	40	3.0	2	15	ESE 10	N/A	1-3	12	12	IN OUT	17/18	17/18	F	N	CLEAR
467	06 06	29° 30.581 N 93° 41.940 W	5 1	06 46	29° 31.201 N 93° 42.759 W	47	40	2.9	2	15	ESE 10	N/A	1-3	12	12	OUT	17/18	17/18	F	N	CLEAR
468	07 47	29° 35.952 N 93° 48.227 W	42	08 27	29° 37.349 N 93° 48.621 W	30	40	3.0	2	15	ESE 10	N/A	1-3	12	12	IN/OUT	29/30	29/30	F	N	CLEAR
469	08 29	29° 37.447 N 93° 48.702 W	29	09 09	29° 37.170 N 93° 48.601 W	31	40	2.5	2	15	ESE 10	N/A	1-3	12	12	IN/OUT	29/30	29/30	S	N	CLEAR
470	09 12	29° 37.998 N 93° 48.546 W	32	09 52	29° 36.594 N 93° 48.330 W	34	40	2.8	2	15	ESE 10	N/A	1-3	12	12	IN/OUT	29/32	29/32	E	N	CLEAR
471	09 54	29° 36.471 N 93° 48.276 W	35	10 34	29° 37.150 N 93° 48.496 W	31	40	2.6	2	15	ESE 10	N/A	1-3	12	12	IN	29/32	29/32	E	N	CLEAR
472	10 40	29° 37.486 N 93° 48.748 W	31	11 20	29° 35.967 N 93° 48.026 W	36	40	2.5	2	15	ESE 10	N/A	1-3	12	12	OUT	29/32	29/32	E	N	CLEAR
473	11 21	29° 35.979 N 93° 48.022 W	36	12 01	29° 37.332 N 93° 48.591 W	30	40	2.5	2	15	ESE 10	N/A	1-3	12	12	IN	29/32	29/32	E	N	CLEAR

RC-4

Date: 1/31/2005 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD CLAY

Tide: Low: 0309 am 1435 pm **High:** 0850 am 2055 pm **Capt.:** OLIVIO KUTRULJA **Crew:** CARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT.	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch
47	12 05	29° 37.520 N 93° 48.781 W	5 8	12 45	29° 35.986 N 93° 48.058 W	3 6	40	2.7	2	17	ESE 10	N/A	1-3	12	12	OUT	29/32	29/32	E	N	CLEAR
47 5	12 47	29° 35.853 N 93° 48.054 W	5 5	13 27	29° 37.370 N 93° 48.727 W	9 0	40	2.8	2	17	ESE 10	N/A	1-3	12	12	IN	29/32	29/32	E	N	CLEAR
47 6	13 31	29° 37.556 N 93° 48.775 W	2 9	14 11	29° 35.944 N 93° 48.018 W	3 6	40	3.0	2	19	ESE 8-10	N/A	1-2	12	12	OUT	29/32	29/32	E	N	CLEAR
47 7	14 12	29° 35.990 N 93° 48.028 W	3 6	14 52	29° 37.265 N 93° 48.747 W	3 2	40	2.5	2	19	ESE 8-10	N/A	1-2	12	12	IN	29/32	29/32	S	N	CLEAR
47 8	14 54	29° 37.370 N 93° 48.746 W	3 1	15 34	29° 35.792 N 93° 48.251 W	3 7	40	3.0	2	20	ESE 10-12	N/A	1-3	13	13	OUT	29/32	29/32	F	N	CLEAR
47 9	15 38	29° 35.958 N 93° 48.189 W	5 1	16 18	29° 37.360 N 93° 49.174 W	2 9	40	2.8	2	20	ESE 10-12	N/A	1-3	13	13	IN	29/32	29/32	F	N	CLEAR
48 00	16 20	29° 37.453 N 93° 49.180 W	3 0	17 00	29° 35.838 N 93° 48.192 W	5 1	40	2.8	2	18	ESE 10-12	N/A	1-3	13	13	OUT	29/32	29/32	F	N	CLEAR
48 1	17 06	29° 35.987 N 93° 48.468 W	3 6	17 46	29° 37.520 N 93° 49.135 W	3 1	40	2.6	2	16	ESE 10-12	N/A	1-3	13	13	IN	29/32	29/32	F	N	CLEAR
48 2	17 47	29° 37.541 N 93° 49.120 W	3 2	18 27	29° 36.057 N 93° 48.389 W	4 3	40	2.9	2	15	ESE 10-12	N/A	1-3	13	13	OUT	29/32	29/32	F	N	CLEAR
48 3	18 30	29° 35.968 N 93° 48.464 W	3 6	19 10	29° 37.633 N 93° 49.300 W	2 9	40	2.8	2	15	ESE 10-12	N/A	1-3	13	13	IN	29/32	29/32	F	N	CLEAR
48 04	19 13	29° 37.630 N 93° 49.464 W	2 8	19 53	29° 36.126 N 93° 48.352 W	5 1	40	2.6	2	15	ESE 10-12	N/A	1-3	13	13	OUT	29/32	29/32	F	N	CLEAR
48 5	19 55	29° 35.014 N 93° 48.440 W	3 6	20 35	29° 37.527 N 93° 49.260 W	3 0	40	2.7	2	15	ESE 10-12	N/A	1-3	13	13	IN	29/32	29/32	F	N	CLEAR
48 06	20 36	29° 37.527 N 93° 49.205 W	3 1	21 16	29° 35.828 N 93° 48.194 W	5 1	40	2.9	2	15	ESE 10-12	N/A	1-3	13	13	OUT	29/32	29/32	S	N	CLEAR
48 07	21 21	29° 35.923 N 93° 48.474 W	3 6	22 01	29° 37.449 N 93° 49.066 W	3 7	40	2.6	2	15	ESE 10-12	N/A	1-3	13	13	IN	29/32	29/32	E	N	CLEAR
48 8	22 03	29° 37.430 N 93° 49.029 W	4 5	22 43	29° 35.872 N 93° 48.270 W	5 2	40	2.7	2	15	ESE 8-10	N/A	1-2	13	13	OUT	29/32	29/32	E	N	CLEAR
48 9	22	29° 35.864 N	5	23	29° 37.661 N		4														

PG. 1

Date: 01/04/2005 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0358 am 1558 pm High: 1049 am 2113 pm Capt.: OLIVIO KOTRUYLA Crew: GARY DEINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance mi	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Log	Ebb/Flow Tide	Turtle Yes/No	Comments/ By-catch
																					DENSE FOG 0-visibility
490	23 35	29° 38.001 93° 49.339	31	00 15	29° 37.329 93° 48.846	30	40	2.4	2	15	ESE 5	N/A	1-2	13	13	IN/out	29/32	28/32	E	NO	CLEAR
491	00 20	29° 37.263 93° 48.948	48	01 00	29° 37.934 93° 49.352	33	40	2.6	2	15	ESE 5	N/A	1-2	13	13	IN/out	33/34	33/34	E	NO	(S) CLEAR (S) RED DRUM
492	01 15	29° 37.740 93° 49.389	31	01 55	29° 37.624 93° 49.058	51	40	2.6	2	15	ESE 5	N/A	1-2	14	14	out/IN	33/31	33/34	E	ND	CLEAR
493	02 00	29° 37.688 93° 49.104	49	02 40	29° 37.059 93° 48.998	50	40	2.8	2	15	ESE 5	N/A	1-2	14	14	IN/out	33/34	33/34	E	NO	CLEAR
494	02 45	29° 37.613 93° 48.958	48	03 25	29° 38.205 93° 49.245	50	40	2.6	2	15	ESE 5	N/A	1-2	14	14	out/IN	33/39	33/34	E	ND	(S) BLACK DRUM (S) BLACK DRUM
495	04 55	29° 31.608 93 43.216	49	05 35	29° 30.412 93° 42.125	40	40	2.5	2	15	ESE 5	N/A	1-2	14	14	OUT	17/18	17/10	F	NO	.2SNM visib. 1/4 CLEAR
496	05 40	29° 30.399 93° 41.934	43	06 20	29° 31.648 93° 43.270	50	40	2.7	2	15	ESE 5	N/A	1-2	14	14	IN	17/18	17/18	F	NO	CLEAR
497	06 25	29° 31.726 93° 43.340	50	07 05	29° 30.358 93° 41.822	48	40	2.5	2	15	ESE 5	N/A	1-2	14	14	OUT	17/16	17/16	F	NO	CLEAR
498	07 10	29° 30.283 93° 41.805	40	07 50	29° 31.367 93° 42.917	50	40	2.7	2	15	ESE 5	N/A	1-2	14	14	IN	17/16	17/15	F	NO	CLEAR
499	07 50	29° 31.268 N 93° 42.815 W	46	08 30	29° 30.307 N 93° 42.040 W	46	46	2.5	2	16	ESE 5	N/A	1-2	15	15	OUT	17/18	17/18	F	N	CLEAR
500	09 29	29° 35.975 N 93° 47.874 W	37	10 09	29° 37.413 N 93° 48.710 W	31	40	2.8	2	17	ESE 5	N/A	1-2	15	15	IN	33/34	33/34	F	N	CLEAR
501	10 09	29° 37.505 N 93° 48.742 W	31	10 49	29° 37.485 N 93° 49.228 W	30	40	2.5	2	17	ESE 5	N/A	1-2	15	15	OUT	33/34	33/34	S	N	(*) CREW CHANGE CLEAR
502	15 23	29° 38.030 N 93° 49.387 W	29	16 03	29° 37.702 N 93° 49.450 W	27	40	3.0	2	16	ESE 5-10	N/A	1-3	14	14	OUT/IN	33/34	33/34	S	N	CLEAR
503	16 04	29° 37.767 N 93° 49.446 W	28	16 44	29° 36.846 N 93° 48.899 W	31	40	2.7	2	15	ESE 5-10	N/A	1-3	14	14	IN/OUT	31/34	31/34	F	N	CLEAR
504	16 46	29° 36.755 N 93° 48.903 W	31	17 26	29° 37.740 N 93° 49.558 W	26	40	2.8	2	15	ESE 5-10	N/A	1-3	14	14	IN	31/34	31/34	F	N	CLEAR
505	17 27	29° 37.677 N 93° 49.467 W	27	18 07	29° 36.302 N 93° 48.844 W	33	40	2.5	2	14	ESE 5-10	N/A	1-3	14	14	OUT	31/34	31/34	F	N	CLEAR

PG 2

Date: 1/4/2005 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0350 am 1558 pm High: 1049 am 2113 pm Capt.: OLIVIO KATRELLA Crew: GARY DERINGER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch (-0- fog visab.lity)
506	1808	29 36.378 N 93 48.851 W	3 2	1848	29 37.933 N 93 49.311 W	3 2	40	2.5	2	14	ESE 5-10	N/A	1-3	14	14	IN	31/34	31/34	F	N	CLEAR
507	1852	29 37.988 N 93 49.425 W	2 9	1932	29 36.130 N 93 48.724 W	3 4	6	3.0	2	14	ESE 5-10	N/A	1-3	13	13	OUT	31/34	31/34	F	N	CLEAR
508	1931	29 36.135 N 93 48.729 W	3 3	2020	29 37.970 N 93 49.372 W	3 1	4 6	2.8	2	14	ESE 5-10	N/A	1-3	13	13	IN	31/34	31/34	F	N	CLEAR
509	2024	29 38.995 N 93 49.423 W	3 0	2104	29 36.513 N 93 48.838 W	3 2	4 0	2.9	2	14	ESE 5-10	N/A	1-3	13	13	OUT	31/34	31/34	F	N	CLEAR
510	2107	29 36.410 N 93 48.850 W	3 3	2145	29 37.947 N 93 49.354 W	3 0	38	2.7	2	14	ESE 5-10	N/A	1-3	13	13	IN	31/34	31/34	S	N	CLEAR
511	2150	29 37.988 N 93 49.415 W	2 9	2230	29 36.711 N 93 48.699 W	42	40	3.0	2	14	ESE 5-10	N/A	1-3	13	13	OUT	31/34	31/34	E	N	CLEAR
512	2235	29 36 613 93 48 447	43	2315	29 38.132 93 49.410	31	40	2.5	2	14	ESE 5-10	N/A	1-3	13	13	IN	31/34	31/34	E	N	CLEAR
513	2320	29 38.091 93 49.408	32	0000	29 36.324 93 48.697	32	40	2.4	2	14	ESE 5-10	N/A	1-3	13	13	out	31/34	31/34	E	N	CLEAR

PG 1

Date: 1/5/2005 **Job Location:** SABINE PASS CHANNEL **Pre-Dredge/Relocation Trawl** **Bottom Type:** MUD/CLAY

Tide: Low: 0444 am 1729 pm **High:** 1224 pm 2134 pm **Capt.:** OLIVIO KOTRULJA **Crew:** CARY DERINGER / SASCHA CUSHNER * REPLACED DURING TOW # 522

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp. °C	Wind Speed/Dir.	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
514	00 05	29°36.418 93°48.584	42	00 45	29°38.191 93°49.396	41	40	2.7	2	14	ESE 5-10	N/A	1-3	13	13	IN	31/34	31/34	E	N	CLEAR
515	00 50	29°38.166 93°49.394	47	01 30	29°36.444 93°48.487	45	40	2.8	2	14	ESE 5-10	N/A	1-3	13	13	OUT	31/34	31/34	E	N	2 Drum
516	01 42	29°36.671 93°48.588	47	02 22	29°37.990 93°49.266	47	40	2.5	2	14	ESE 5-10	N/A	1-3	13	13	IN	31/34	31/34	E	N	clear
517	02 27	29°38.041 93°49.324	41	03 07	29°37.482 93°48.982	47	40	2.6	2	14	ESE 5-10	N/A	1-3	13	13	OUT	31/34	31/34	E	N	clear
518	03 12	29°37.683 93°49.103	47	03 52	29°37.133 93°48.860	47	40	2.5	2	14	ESE 5-10	N/A	1-3	13	13	IN OUT	31/34	31/34	E	N	clear
519	03 58	29°37.400 93°48.935	46	04 38	29°37.370 93°48.974	49	40	2.6	2	14	ESE 5-10	N/A	1-3	13	13	IN OUT	31/34	31/34	S	N	clear
520	04 44	29°37.300 93°48.881	47	05 24	29°37.603 93°49.012	51	40	2.5	2	14	ESE 5-10	N/A	1-3	13	13	IN OUT	31/34	31/34	S	N	clear
521	05 30	29°37.389 93°48.976	48	06 10	29°37.936 93°49.234	47	40	2.6	2	14	ESE 5-10	N/A	1-3	13	13	OUT IN	31/34	31/34	F	N	clear
522	06 18	29°37.663 93°49.112	51	06 58	29°37.780 93°49.454	42	40	2.7	2	14	ESE 5-10	N/A	1-3	13	13	OUT IN	31/34	31/34	F	N	(1) RED DRUM
523	07 01	29°37.910'N 93°49.329'W	38	07 41	29°36.883'N 93°48.689'W	38	40	2.8	2	14	ESE 5-10	N/A	1-3	13	13	OUT	31.34	31.34	F	N	(3) BLK. DRUM *OBSERVER CHANGED
524	07 50	29°36.975'N 93°48.701'W	39	08 30	29°37.299 93°49.170	28	40	2.9	2	14	ESE 5-10	N/A	1-3	13	13	IN/OUT	31.34	31.34	F	N	CLEAR
525	08 35	29°37.160 93°49.105	30	09 15	29°38.084 93°49.354	40	40	2.5	2	14	ESE 5-10	N/A	1-3	13	13	OUT/IN	31/34	31/34	F	N	CLEAR
526	09 20	29°38.008 93°49.415	30	10 00	29°36.770 93°48.687	51	40	2.6	2	14	ESE 5-10	N/A	1-3	13	13	out	31/34	31/34	F	N	CLEAR
527	10 05	29°36.577 93°48.579	48	10 45	29°36.629 93°48.305	34	40	2.5	2	14	ESE 5-10	N/A	1-3	13	13	out IN	30/34	30/34	F	N	CLEAR
528	10 50	29°36.727 93°48.448	35	11 30	29°36.261 93°48.167	34	40	2.4	2	14	ESE 5-10	N/A	1-3	13	13	out	30/34	30/34	F	N	CLEAR

Page 1/2

Date: 1/5/2005 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 0444 am 1729 pm High: 1224 am 2134 pm Capt.: DAVID KOTRLA Crew: SASCHA CUSHATZR

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance mi	Air temp. °C	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By-catch
529	11 35	29° 36.085 93° 48.174	35	12 15	29° 37.238 93° 48.712	31	40	2.6	2	14	SE 5-10	N/A	1-3	13	13	IN	31/34	31/34	E	N	CLEAR
530	12 20	29° 37.349 93° 48.258	32	13 00	29° 37.537 93° 48.922	43	40	2.5	2	14	SE 5-10	N/A	1-3	13	13	IN/OUT	31/34	31/34	E	N	CLEAR
531	13 05	29° 37.454 93° 48.869	42	13 45	29° 38.247 93° 49.279	34	40	2.7	2	14	SE 5-10	N/A	1-3	13	13	OUT/IN	31/34	JN/34	E	N	CLEAR
532	13 46	29° 38.216'N 93° 49.202'W	23	14 26	29° 36.860'N 93° 48.509'W	24	40	2.3	2	14	SE 5-10	N/A	1-3	13	13	OUT	31. 34	31. 34	E	N	CLEAR
533	14 27	29° 36.844'N 93° 48.522'W	22	15 07	29° 38.273 93° 49.308	45	40	2.3	2	14	SE 5-10	N/A	1-3	13	13	IN	31. 34	31. 34	E	N	CLEAR
534	15 10	29° 38.246'N 93° 49.344'W	41	15 50	29° 36.552 93° 48.427	38	40	2.8	2	14	SE 5-10	N/A	1-3	13	13	OUT	31. 34	31. 34	E	N	clear
535	15 55	29° 36356 93° 48.366	47	16 35	29° 36.749 93° 48.643	50	40	2.5	2	14	SE 5-10	N/A	1-3	13	13	OUT/IN	31 1/34	31/34	E	N	CLEAR
536	16 40	29° 36.936'N 93° 48.475'W	40	17 20	29° 36.022'N 93° 48.325'W	38	40	2.8	2	14	SE 5-10	N/A	1-3	13	13	OUT	31. 34	31. 34	S	N	CLEAR
537	17 25	29° 36.120'N 93° 48.351'W	40	18 05	29° 37.542 93° 49.092	42	40	2.6	2	14	SE 5-10	N/A	1-3	13	13	IN	31. 34	31. 34	S	N	CLEAR
538	18 06	29° 37.506'N 93° 49.040'W	40	18 46	29° 35.816 93° 48.176	50	40	2.8	2	14	SE 5-10	N/A	1-3	13	13	OUT	31. 34	31. 34	F	N	CLEAR
539	18 48	29° 35.785'N 93° 48.113'W	40	19 28	29° 37.503 93° 49.082	40	40	3.0	2	14	SE 5-10	N/A	1-3	13	13	IN	31. 34	31. 34	F	N	CLEAR
540	19 31	29° 37.350'N 93° 49.077'W	20	20 11	29° 35.752 93° 47.805	38	40	3.1	2	14	SE 5-10	N/A	1-3	13	13	OUT	31. 34	31. 34	F	N	(2) BLK DRUM
541	20 14	29° 35.655'N 93° 47.749'W	32	20 54	29° 37.458'N 93° 48.781'W	31	40	3.0	2	14	SE 5-10	N/A	1-3	13	13	IN	31. 34	31. 34	F	N	CLEAR
542	21 07	29° 37.277'N 93° 48.787'W	40	21 47	29° 35.692'N 93° 47.616'W	28	40	3.2	2	14	SE 5-10	N/A	1-3	13	13	OUT	31. 34	31. 34	S	N	CLEAR; INCREASED FOG
543	21 52	29° 35.764'N 93° 47.610'W	28	22 32	29° 37.203'N 93° 48.835'W	49	40	3.2	2	14	SE 5-10	N/A	1-3	13	13	IN	31. 34	31. 34	S	N	CLEAR
544	22 23	290 37.313'N 93° 48.829'W	41	23 12	290 37.319 92° 48.969	54	40	2.6	2	14	SE 5-10	N/A	1-3	13	13	IN	31. 34	31. 34	E	NO	CLEAR

Event 1 all other data like same as #544
29° 55.704 93° 48.000
29° 37.081 93° 48.871

P81/2

Date: 01/06/05 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 5:29 am 7.03 pm High: 1:47 am 10:48 pm Capt.: OLIVIO KOTRULJA Crew: SASCHA CUSHNER

Load #	Start Time	Start: Lat/ Long	Start Depth FT	Stop Time	Stop: Lat/ Long	Stop Depth FT	Trawl time	Speed mid-tow KNOTS	Trawl Distance mi	Air temp. °C	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp. °C	Bottom Temp. °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/ By catch
546	0902	29°35.781 93°48.203	40	0912	29°37.117 93°48.650	30	40	2.6	2	9	N 10-15	N/A	2-3	12	12	IN	29/34	29/34	E	N	CLEAR
547	0950	29°37.487 93°48.746	38	0930	29°36.858 93°48.601	37	40	2.8	2	9	N 10-15	N/A	2-3	12	12	IN/OUT	29/34	29/34	E	N	(P) CLEAR (S) BLACK DRUM / R
548	0140	29°36.783 93°48.551	49	0220	29°37.001 93°48.692	37	40	2.4	2	9	N 0-15	N/A	2-3	12	12	OUT/IN	29/34	29/34	E	N	CLEAR
549	0245	29°37.163 93°48.634	29	0305	29°36.649 93°48.337	31	40	2.8	2	9	N 10-15	N/A	2-3	12	12	IN/OUT	29/34	29/34	E	N	CLEAR
550	0310	29°36.499 93°48.336	31	0350	29°37.485 93°48.759	27	40	2.3	2	9	N 10-15	N/A	2-3	12	12	OUT/IN	29/34	29/34	E	N	CLEAR
551	0400	29°37.670 93°48.860	29	0440	29°36.163 93°48.102	33	40	2.9	2	9	N 10-15	N/A	2-3	12	12	IN/OUT	29/34	29/34	E	N	(P) BLACK DRU (S) CLEAR
552	0480	29°35.982 93°48.206	48	0530	29°37.517 93°48.886	28	40	2.6	2	9	N 10-15	N/A	2-3	12	12	IN	29/34	29/34	S	N	CLEAR
553	0535	29°37.636 93°48.984	50	0615	29°37.117 93°48.686	31	40	2.9	2	9	N 10-15	N/A	2-3	12	12	OUT/IN	29/34	29/34	S	N	CLEAR
554	0620	29°37.206 93°48.731	30	0700	29°36.670 93°48.364	31	40	2.8	2	10	N 10-15	N/A	2-3	12	12	IN/OUT	29/34	29/34	F	N	CLEAR
555	0710	29°36.630 93°48.356	33	0750	29°37.457 93°48.561	49	40	2.7	2	10	N 10-15	N/A	2-3	12	12	OUT/IN	29/34	29/34	F	N	CLOGS
556	0755	29°37.322 93°48.808	48	0835	29°35.514 93°47.876	34	40	2.8	2	10	N 10-15	N/A	2-3	12	12	OUT	29/34	29/34	F	N	CLEAR
557	0838	29°35.542 93°47.825	40	0918	29°37.080 93°48.691	46	40	2.7	2	10	N 10-15	N/A	2-3	12	12	IN	29.34	29.34	F	N	CLEAR
558	0923	29°37.149 93°48.185	31	1003	29°35.454 93°47.760	39	40	3.1	2	10	N 10-15	N/A	2-3	12	12	OUT	29.34	29.34	F	N	CLEAR
559	1006	29°35.406 93°47.742	39	1046	29°36.727 93°48.272	32	40	2.8	2	10	N 10-15	N/A	2-3	12	12	IN	29.34	29.34	F	N	CLEAR
560	1048	29°36.833 93°48.359	22	1128	29°38.015 93°49.296	40	40	3.1	2	10	N 15-20	N/A	2-3	12	12	IN	33 34	33 34	F	N	ISLAND

pg. 2/

Date: 01/06/05 Job Location: SABINE PASS CHANNEL Pre-Dredge Relocation Trawl Bottom Type: [illegible]

Tide: Low: [illegible] am [illegible] pm High: 1:47 PM [illegible] 0:48 pm Capt: [illegible] Crew: [illegible]

Load #	Start Time	Start Lat/Long	Start Depth Ft.	Stop Time	Stop Lat/Long	Stop Depth FT.	Trawl time	Speed mid-tow Knots	Trawl Distance MI	Air temp °C	Wind Speed/Dir Knots	Barometric Pressure	Wave Height Ft	Surface Temp °C	Bottom Temp °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/By catch
561	11 32	29°37.879 93°49.231	41	12 12	29°37.931 93°49.139	51	4 0	2.8	2	10	N 15-20	N/A	2-3	12	12	OUT IN	33 34	33 34	F	NO	Clear
562	12 13	29°38.046 93°49.181	40	12 53	29°37.059 93°48.849	51	4 0	2.8	2	11	N 15-20	N/A	2-3	12	12	IN OUT	33 34	33 34	F	NO	CLEAR
563	12 55	29°37.168 93°48.947	24	13 35	29°37.774 93°49.220	35	4 0	2.8	2	11	N 15-20	N/A	1-3	12	12	IN OUT	33 34	33 34	S	NO	CLEAR
564	13 37	29°37.657 93°49.093	41	14 17	29°37.850 93°48.861	30	4 0	3.0	2	12	N 15-20	N/A	1-3	12	12	OUT IN	33 34	33 34	S	NO	CLEAR
565	14 20	29°37.469 93°48.893	41	15 00	29°35.601 93°48.047	41	4 0	3.1	2	12	N 15-20	N/A	1-3	12	12	IN OUT	29 34	29 34	E	NO	CLEAR
566	15 06	29°35.606 93°47.976	40	15 46	29°37.290 93°48.833	51	4 0	2.7	2	12	N 15-20	N/A	1-3	12	12	IN	29 34	29 34	E	NO	DRIZZLE; CLEAR
567	15 50	29°37.432 93°48.909	40	16 30	29°36.391 93°48.380	40	4 0	3.0	2	12	N 15-20	N/A	1-3	12	12	IN OUT	29 34	29 34	E	NO	(1) RED DRU (1) BLK DR
568	16 35	29°36.402 93°48.377	24	17 15	29°38.098 93°49.254	39	4 0	2.6	2	12	N 15-20	N/A	1-3	12	12	IN	29 34	29 34	E	NO	CLEAR
569	17 25	29°38.125 93°49.196	39	18 05	29°36.699 93°48.516	36	4 0	2.6	2	11	N 15-20	N/A	1-3	12	12	OUT	29 34	29 34	E	NO	(1) BLK DRU (1) RED DRU
570	18 10	29°36.729 93°48.201	27	18 50	29°37.996 93°49.147	51	4 0	2.8	2	11	N 15-20	N/A	1-3	12	12	IN	29 34	29 34	E	NO	CLEAR
571	18 52	29°38.130 93°49.183	29	19 32	29°36.485 93°48.377	33	4 0	2.8	2	10	N 15-20	N/A	1-3	12	12	OUT	29 34	29 34	S	NO	CLEAR
572	19 41	29°36.303 93°48.320	31	20 21	29°38.015 93°49.064	30	4 0	2.6	2	10	N 15-20	N/A	1-3	12	12	IN	29 34	29 34	F	NO	CLEAR
573	20 27	29°38.128 93°49.150	21	21 07	29°36.409 93°48.238	32	4 0	3.0	2	10	N 15-20	N/A	1-3	12	12	OUT	29 34	29 34	F	NO	CLEAR
574	21 17	29°36.258 93°48.337	40	21 51	29°37.985 93°48.965	30	4 0	2.7	2	9	N 15-20	N/A	1-3	12	12	IN	29 34	29 34	F	NO	CLEAR
575	22 06	29°38.178 93°49.039	23	22 46	29°36.565 93°48.309	24	4 0	2.6	2	9	N 15-20	N/A	1-3	12	12	OUT	29 34	29 34	F	NO	CLEAR
57[illegible]	22	29°36.425	[illegible]	23	29° 37.[illegible]		4	[illegible]	[illegible]	9	N	[illegible]				IN	[illegible]	[illegible]			

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Pg 1/2

Date: 01/18/05 Job Location: GABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: MUD/CLAY

Tide: Low: 6:42 am 7:28 pm High: 2:58 am pm Capt: OLIVIO KOTROLIA Crew: [redacted] SASCHA GUSHINGA

Load #	Start Time	Start: Lat/Long	Start Depth FT.	Stop Time	Stop: Lat/Long	Stop Depth FT.	Trawl time	Speed mid-tow KNOTS	Trawl Distance MI	Air temp °C	Wind Speed/Dir KNOTS	Barometric Pressure	Wave Height FT	Surface Temp °C	Bottom Temp °C	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Ebb/Flow	Turtle Yes/No	Comments/By catch
607	23 37	29°36.702 93°48.623	49	00 17	29°36.336 93°48.319	36	40	3.0	2	13	N 5-10	N/A	1-3	12	12	OUT IN	29 34	29 34	E	N	Clear
608	00 25	29°36.424 93°48.375	38	01 05	29°38.150 93°49.184	39	40	2.6	2	12	NE 10	N/A	1-3	12	12	IN/OUT	29 34	29 34	E	N	Clear
609	01 10	29°38.250 93°49.256	40	01 50	29°36.227 93°48.172	35	40	2.8	2	12	NE 10	N/A	1-3	12	12	out	29 34	29 34	E	N	(3) Black Drum Blue Crabs
610	02 00	29°36.004 93°48.184	48	02 40	29°38.087 93°49.216	50	40	2.5	2	11	NE 10	N/A	1-3	12	12	IN	29 34	29 34	E	N	Clear
611	02 45	29°38.008 93°49.218	51	03 25	29°36.442 93°48.448	50	40	2.7	2	11	NE 10	N/A	1-3	12	12	out	29 34	29 34	E	N	Clear
612	03 30	29°36.329 93°48.356	48	04 10	29°37.564 93°48.966	51	40	2.6	2	10	NE 10	N/A	1-3	12	12	out IN	29 34	Dock	E	N	Clear
613	04 20	29°37.709 93°49.044	50	05 00	29°37.086 93°48.763	50	40	2.6	2	11	NE 10-15	N/A	1-3	12	12	IN/out	29 34	Dock	E	N	Clear
614	05 10	29°37.016 93°48.712	49	05 50	29°35.995 93°48.226	50	40	2.8	2	11	NE 10-15	N/A	1-3	12	12	out IN	29 34	Dock	E	N	Clear
615	06 00	29°36.044 93°48.336	50	06 40	29°37.583 93°48.992	50	40	2.4	2	11	NE 10-15	N/A	1-3	12	12	IN/out	29 34	Dock	S	N	Clear
616	06 45	29°37.448 93°48.984	50	07 25	29°35.909 93°48.168	49	40	2.5	2	11	NE 10-15	N/A	1-3	12	12	out	29 34	Dock	S	N	Clear
617	07 35	29°35.834 93°48.107	50	08 15	29°35.900 93°48.183	48	40	2.8	2	12	NE 10-15	N/A	1-3	12	12	OUT IN	29 34	Dock	F	N	Clear
618	08 20	29°36.164 93°48.309	49	09 00	29°37.948 93°49.110	39	40	2.8	2	12	NE 10-15	N/A	1-3	12	12	IN	29 34	Dock	F	N	(1) Bl. Drum
619	09 10	29°37.874 93°49.140	49	09 50	29°35.993 93°48.288	50	40	3.0	2	12	NE 10-15	N/A	1-3	12	12	OUT	29 34	Dock	F	N	Clear
620	09 59	29°35.981 93°48.223	50	10 39	29°38.016 93°49.168	51	40	3.1	2	12	NE 10-15	N/A	1-3	12	12	IN	29 34	Dock	F	N	Clear
621	10 46	29°37.911 93°49.001	30	11 26	29°36.196 93°48.519	36	40	2.6	2	13	NE 10-15	N/A	1-3	12	12	OUT	29 34	Dock	F	N	Clear

1/8/05

Date: 1/8/05 Job Location: SABINE PASS CHANNEL Pre-Dredge/Relocation Trawl Bottom Type: SILTY CLAY

Tide: Low: 6:42 am 7:28 pm High: am 2:58 pm Capt: ELMO KOTRLA Crew: SAS [redacted] CHESTER

Load #	Start Time	Start Lat/Long	Start Depth Ft.	Stop Time	Stop Lat/Long	Stop Depth FT.	Trawl time	Speed mkr tow KNOTS	Total Distance MI	Air temp °C	Wind Speed/Dir. KNOTS	Barometric Pressure	Wave Height FT	Surface Temp °C	Bottom Temp.	Direction In/Out	Station/Buoy	Dredge Loc.	Tide Elevation	Turtle Y or N	Comments/Bycatch
6_{22}	11:37	29°36.244 93°48.429	49	12:17	29°38.277 93°49.360	52	40	2.7	2	13	NE 10-15	N/A	1-3	12	12	IN	29.34	DOCK	F	N	CLEAR
6_{23}	12:24	29°38.084 93°49.455	30	13:01	29°36.326 93°48.604	36	40	2.9	2	14	NE 10-15	N/A	0-1	12	12	OUT	29.34	DOCK	F	N	(3) BLK. DRUM (1) BLUE CR
6_{24}	13:27	29°36.157 93°48.520	36	14:07	29°38.097 93°49.444	31	40	3.2	2	15	NE 10-15	N/A	1-2	12	12	IN	29.34	DOCK	F	N	CLEAR
6_{25}	14:18	29°38.090 93°49.364	31	14:58	29°36.089 93°48.309	52	40	2.5	2	15	NE 10-15	N/A	1-2	12	12	OUT	29.34	DOCK	S	N	CLEAR
6_{26}	15:05	29°36.069 93°48.285	50	15:46	29°37.975 93°49.040	39	40	2.7	2	16	NE 10-15	N/A	1-2	12	12	IN	29.34	DOCK	E	N	CLEAR
6_{27}	15:53	29°37.945 93°49.169	52	16:33	29°36.303 93°48.197	36	40	3.0	2	17	NE 10-15	N/A	1-2	12	12	OUT	29.34	DOCK	E	N	(1) RED DRUM
6_{28}	16:47	29°36.434 93°48.209	36	17:27	29°38.098 93°49.149	32	40	2.9	2	17	NE 10-15	N/A	1-2	12	12	IN	29.34	DOCK	E	N	CLEAR
6_{29}	17:34	29°38.161 93°49.101	30	18:14	29°36.589 93°48.552	51	40	2.8	2	16	NE 10-15	N/A	1-2	12	12	OUT	29.34	DOCK	E	NO	CLEAR
6_{30}	18:20	29°36.503 93°48.440	49	19:00	29°38.287 93°49.332	50	40	3.1	2	15	NE 10-15	N/A	1-2	14	14	IN	29.34	DOCK	E	N	(1) BLK. DRUM
6_{31}	19:19	29°38.321 93°49.516	50	19:59	29°36.848 93°48.670	51	40	2.8	2	15	NE 10-15	N/A	1-2	14	14	OUT	29.34	DOCK	S	N	CLEAR
6_{32}	20:11	29°38.257 93°48.496	28	20:51	29°37.748 93°49.062	49	40	2.6	2	15	NE 10-15	N/A	1-2	14	14	IN	29.34	DOCK	F	N	CLEAR
6_{33}	21:01	29°37.796 93°49.328	29	21:41	29°36.153 93°48.431	35	40	2.7	2	15	NE 10-15	N/A	1-2	14	14	OUT	29.34	DOCK	F	N	CLEAR
6_{34}	21:48	29°36.110 93°48.320	50	22:28	29°37.992 93°49.120	52	40	2.7	2	14	NE 10-15	N/A	1-2	14	14	IN	29.34	DOCK	F	N	CLEAR
6_{35}	22:40	29°37.850 93°49.308	28	23:20	29°36.136 93°48.222	33	40	2.8	2	14	NE 10-15	N/A	1-2	14	14	OUT	29.34	DOCK	F	N	CLEAR
6_{36}	23:26	29°36.010 93°48.252	50	00:06	29°38.167 93°49.296	51	40	2.9	2	13	NE 5-10	N/A	1-2	14	14	IN	29.34	DOCK	F	N	CLEAR

1/17/05

P.8.1.K

Date: 01/04/05 Job Location: ABWE PAS Pre-Dredge/Relocation Trawl Bottom Type: MUD CLAY

Tide: Low: 603 am 1304 pm High: am 1921 pm Capt: CLAVIO ROTRULIA Crew: [redacted] SHRIMPER

Log #	Start Time	Start Lat/ Long	Start Depth Ft.	Stop Time	Stop: Lat/ Long	Stop Depth FT	Total Time	Speed Kts Over	Travel Distance MI	Air temp °C	Wind Speed/Dir KNOTS	Barometric Pressure	Wave Height FT	Surface Temp °C	Bottom Temp	Direction In/Out Bottom	Station/Buoy	Dredge Loc	Tide Ebb/Flow	Turtle Y or N	Comments/ By catch
657	0810	29°38.061 93°49.295	44	0850	29°36.994 93°48.276	47	40	2.9	2	13	NE 5-10	N/A	1-2	13	13	OUT	29.34	DOCK	F	N	2 B. Drum 3 Blue Crab
658	0904	29°35.932 93°48.228	50	0944	29°37.166 93°49.189	51	40	2.8	2	13	NE 5-10	N/A	1-2	13	13	IN	29.34	DOCK	F	N	clear
659	0950	29°38.065 93°49.209	44	0938	29°36.049 93°48.292	51	40	2.8	2	13	NE 5-10	N/A	1-2	13	13	OUT	29.34	DOCK	F	N	clear
660	0234	29°36.014 93°48.312	47	0314	29°37.990 93°49.133	40	40	2.9	2	13	NE 5-10	N/A	1-2	13	13	IN	29.34	DOCK	F	N	clear
661	0318	29°38.068 93°49.222	45	0358	29°36.058 93°48.214	41	40	2.9	2	13	NE 5-10	N/A	1-2	13	13	OUT	29.34	DOCK	F	N	clear
662	0410	29°35.852 93°48.182	46	0450	29°37.932 93°49.294	38	40	3.0	2	13	NE 5-10	N/A	1-2	13	13	IN	29.34	DOCK	F	N	2B Drum
663	0454	29°38.034 93°49.207	49	0534	29°36.003 93°48.224	48	40	2.9	2	13	NE 5-10	N/A	1-2	13	13	OUT	29.34	DOCK	F	N	clear
664	0539	29°36.062 93°48.306	51	0619	29°38.136 93°49.312	50	40	3.0	2	13	NE 5-10	N/A	1-2	13	13	IN	29.34	DOCK	F	N	clear
665	0623	29°38.103 93°49.264	51	0703	29°36.110 93°48.294	49	40	3.0	2	14	NE 5-10	N/A	1-2	13	13	OUT	29.34	DOCK	F	N	clear
666	0702	29°36.062 93°48.281	50	0747	29°38.196 93°49.285	47	40	3.1	2	14	NE 5-10	N/A	1-2	13	13	IN	29.34	DOCK	F	N	clear
667	0751	29°38.176 93°49.091	30	0831	29°36.112 93°48.102	32	40	2.9	2	14	NE 5-10	N/A	1-2	13	13	OUT	29.34	DOCK	S	N	ship Traffic Clear
668	0836	29°36.107 93°48.236	44	0916	29°38.159 93°49.282	50	40	3.0	2	14	NE 5-10	N/A	1-2	13	13	IN	29.34	DOCK	E	N	3 B. Drum 1 R Drum
669																					END OF JOB
670																					
671																					