ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 10-31-08 Load #s: 263-264 Areas dredge worked: -6+400 to -13+000

Weather conditions: mostly clear w/ scattered clouds in the afternoon, breezy

Beaufort Sea State: 0 1 2 (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 77-87 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 77 °C/(°F) Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: sand

Other Material: Rocks, few shells, debris (cable, metal,), wood

By catch: 1 unid fish

Notes: Observers on board @ 1230 Ship left dock
- Job resuming with load 263, Paint Test done
- Delay load 264 of 4 hrs to repair computer problems, ship at anchor

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
1330	bottlenose dolp T. truncatus	multi / 7+	Buoy 3 Ch Entr / following boats
1430	↓	/ 4+	dump site area / surfacing w/ lots of blowing
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Observer name Osborn / Gonzalez
ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-01-08 Load #s: 265-273 Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: mostly clear w/ scattered clouds in the afternoon, light breeze thruout the day

Beaufort Sea State: 0 (1) (2) (3) 4 5 6 7 8 9 10 11 12

AIR TEMP: 73-85 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 74-76 °C/(°F) Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ____ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: sand

Other material: debris - bits of wood, rocks, few shells, (pvc pipe, chain, screen wire mesh, plastic sheeting, sm amt of rope, fishing line.)

By catch: (1) Blue crab, (1) Atlantic stingray juv, (2) Lesser electric rays, (2) Smooth butterfly rays, (1) Clearnose skate, (11) Southern Stingrays

Notes: load 270 - short delay to start of dig to fix computer sys prob.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0830	T. truncatus	multi / 5-7	near buoy 3 / surfacing around ship
0915		/ 7+	and ch entr - hunting
		/	1/2 mi outside ch entr
1157		/ 12+	~~1/4 mi~~ 100 yd area outside ch entr
		/	sev gps - some active diving-splashing,
		/	larger gp slow surfacing together
		/	in a sort of circle.

Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-02-08 Load #s: 274-281 Areas dredge worked: -6+400 to -13+000

Weather conditions: clear with breeze picking up in the late afternoon

Beaufort Sea State: 0 1 (2) (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 73-83 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 76 °C/(°F) Column (mid-depth) – °C/°F Bottom – °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand

Other Material: Rocks, few shells, bits of wood, Debris (rope, plastic trash, mesh sacking, metal pieces - steel + Aluminum)

By catch - (1) Blue crab ♀, (3) Smooth butterfly rays, (3) Lesser electric rays, (1) Atlantic guitarfish, (4) Clearnose skates, (12) Southern stingrays, (1) unid flatfish, (1) unid 8" fish (red drum or croaker possible)

Notes: load 277 delay 1½ hrs Stbd cable broke. Digging w/ Port arm con't. 3 hrs cable repaired & both arms digging.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0913 - 23+	T. truncatus	multi / 15+	just outside ch entr / actively feeding - all engaged in high rolling dives.
1015 - 1030		multi / 15-20	~1 mi outside ch entr / in tight gp engaged in leaping + rolling over each other

Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-03-08 Load #s: 282-288 Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: clear w/ few scattered clouds in the afternoon, steady breeze all day out of the SE

Beaufort Sea State: 0 1 2 (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 74-83 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 75-76 °C/(°F) Column (mid-depth) - °C/°F Bottom - °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ✓ NO ___

Which species? (complete incident form(s)) Kemp Ridley take #1

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand

Other material: rocks, small pieces of wood, debris (pieces of metal, chain, cable, rope, plastic bags, shoe sole)

By Catch: (1) bessor electric ray

- Load 283 Turtle Take #1
  stbd arm cable broke at end of load. Delay of 3 hrs to repair.
- Load 284 stbd arm cable broke again. Repairs made. Port arm digging some of the time. Paint Test conducted following turtle take.
- Captains rotated. Cap't Kent onboard.

BRIDGE WATCH SUMMARY

Time	Species (bottlenose dolp)	# Sightings/# Animals	Location/Comments
0700	T. truncatus	multi / 2	channel / surfacing slowly ~100 yds around ship

Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 291 Load #s: 289-297 Areas dredge worked: -6+400 to -13+000

Weather conditions: clear, then cumulus building mid day, few scattered showers, clearing again late evening. Breezy all day

Beaufort Sea State: 0 1 2 (3) (4) (5) 6 7 8 9 10 11 12

AIR TEMP: 75-77 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 77-78 °C/(°F) Column (mid-depth) — °C/°F Bottom — °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand w/ pockets of clay

Other material: Few Rocks, some clayballs, debris (metal pipe, fishing line, cable, snorkel)

By Catch: (1) Atlantic guitarfish, (3) Blue crabs, (1) Smooth butterfly ray, (1) Stingray

Notes: Turtle Take #1 dropped overboard at dumpsite. (per protocol)

- Delay ~45 min after load 297 dumped. Engine problem

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0650	T. truncatus	3 / 2	ch entrance / diving flukes up
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Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-05-08 Load #s: 298-305 Areas dredge worked: -6+400 to -13+000

Weather conditions: mostly clear w/ some low clouds scattered, winds steady out of the south / southeast

Beaufort Sea State: 0 1 2 3 4 (5) (6) 7 8 9 10 11 12

AIR TEMP: 75-80 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 78 °C/(°F) Column (mid-depth) – °C/°F Bottom – °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand and clay

Other material: Few rocks, whelk shells, bits of wood, debris (chain, rope, plastics - soft & hard, fishing net)

By Catch: (1) Smooth butterfly ray, (1) Lesser electric ray, 4-5 stingrays (probably all southerns)

Notes: Clay becoming a problem in Aft Lander
• Load 299 - delay of 30 min during load for eng rm mtnce/repair

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0625 - 0640+	T. truncatus	multi / 5+	• outside ch entra to .25 mi out / hunting - seen as pairs + individual.
0805		multi / 4-5	• < 1 mi outside ch entra / following trawler - leaping, splashy dives
0920 - 0950		multi / 15-25	• Buoys 2 + 3 / 2 pods. Sexual activity noted - some individuals w/ pink bellys. Very active in choppy sea. Tail slapping, lunging, rolling, tail walking half out of water. This kind of activity followed by intervals of what looks to be hunting.

Observer name Osborn / Gonzalez
ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-06-08 Load #s: 306-313 Areas dredge worked: -6+400 to -13+000

Weather conditions: mostly clear w/strong winds in the early hours slacking off in the afternoon. wind out of the south.

Beaufort Sea State: 0 1 2 3 (4) (5) (6) 7 8 9 10 11 12

AIR TEMP: 76-83 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 77-78 °C/(°F) Column (mid-depth) - °C/°F Bottom - °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand w/pockets of clay

Other material: Rocks, few whelk shells, bits of wood debris (steel bar, chain, pipe, cable, plastic, fishing gear)

By Catch: (2) Smooth butterfly rays, (3) stingrays, (4) flounder - 2 id as Southern flounder 14", 18", (1) clearnose skate, (1) unid 10" fish (looked like drum), ~20 sardines (came in w/clay).

Notes: Landers cleared every load of clay. Primarily Aft Lander. Extra flushing after dump is helping keep the clayballs loose + easy to clear from lander.

BRIDGE WATCH SUMMARY

Time	Species (bottlenose dolph)	# Sightings/# Animals	Location/Comments
0758	T. truncatus	multi / 6-10	1/2 mi E of buoy 2 on channel edge / gp engaged in possible sexual activity. Pink undersides were visible. Dolphin rolling over each other and much contact behv.
0909		2 / 3	1/2 mi E of buoy 2 / surfaced headed towards bow of ship
1025 - 1045		multi / 12+	outside ch entrance buoy 2 + 3 / loose gps surfacing frequently in the choppy sea. Some interaction betw sm gps. - Obsv'd a gp of 8-10 back in tight gp engaged in looks like sexual behv. Leaps + backflips on one another - pink belly side displayed.
	another outside ch entr	6-10 scattered / hunting	

~1500-1600 Sev pairs seen rolling in contact off ship stern. And several at dumpsite

Observer name ECO, Inc Osborn / Gonzalez

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-07-08 Load #s: 314-320 Areas dredge worked: -6+400 to -13+000

Weather conditions: partly cloudy in the night becoming overcast by morning, wind switched around from the S/SW to the NE bringing rain showers + wind.

Beaufort Sea State: 0 1 (2) 3 (4) (5) (6) 7 8 9 10 11 12

AIR TEMP: 73-76 °C/(°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 77 °C/(°F) Column (mid-depth) - °C/°F Bottom - °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand + pockets of clay

Other material: Rocks, wood, few whelk shells, debris (rope, fishing line, license plate, cardboard, netting, chain, heavy metal pieces, auto carpet floor mat, creosote lumber, hardhat, rubber mat piece, cable)

By Catch: (1) Blue crab, (2) Smooth butterfly rays, (1) Lined Sole, (1) filefish, (2) Roundel skates, (1) Lesser electric ray, (3) flounder (probably Southern) and (1) identified Southern flounder 16"

Notes: Aft lander cleared of clayballs nearly every load.

By Catch Note: Skates have been identified as Roundel. Any previous ref to Clearnose skates were most likely Roundels. (both skates have clear noses)

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0630	T. truncatus	multi / 6+	1/4 area outside ch entr / scattered about - look to be hunting
0740		3 / 6+	dumpsite near ship / some tail slapping
0850		multi / 10+	ch entr betw buoys 2 + 3 / 1 pr and 2 larger gps. One of the gps ~6 appear engaged in sexual behv. could see pink blush on one belly - rolling, lunging, pursuit.
1000		multi / many animals scattered along 1/2 mi of channel.	

Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-08-08 Load #s: 321-328 Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: mostly clear with a steady breeze out of the east / northeast all day, dropping off in the afternoon.

Beaufort Sea State: 0 1 2 (3) (4) (5) (6) 7 8 9 10 11 12

AIR TEMP: 74-82 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 75-78 °C (°F) Column (mid-depth) – °C / °F Bottom – °C / °F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES X NO ___

Which species? (complete incident form(s)) Loggerhead

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand w/ pockets of clay

Other material: Few rocks, few pieces of wood, whelk shell, bricks debris (rope, cable, fishing line, hard plastic and bits of stringy trash)

By catch: (4) Blue crabs - 2 ♀ id'd, (2) Lesser electric rays, (1) unid flatfish, (2) stingrays - 1 southern id

Notes: Load 326 Turtle take #2
Load 327 Paint Test conducted following take.

Aft lander continues to be cleaned of clay every load.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0635	T. truncatus	2 / 4	Ch near buoy 2 / surfaced in tight gp, one dolp slapping water w/ head. Checking out ship
1008		3 / 3	near buoy 2 / surfacing as a gp

Observer name Osborn / Gonzalez
ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-09-08 Load #s: 329-333 Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: mostly clear becoming overcast by morning, southeast wind getting strong by late afternoon, blowing over 25

Beaufort Sea State: 0 1 2 3 (4) (5) (6) 7 8 9 10 11 12

AIR TEMP: 74-78 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 78 °C (F) Column (mid-depth) – °C/°F Bottom – °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand, clay

Other material: Few rocks, wood debris (plastic, cable, rope, heavy metal plate, fishing gear net w/floats, line, torn stringy trash, length of bent up aluminum pipe ~25', rebar)

By Catch: (1) Blue crab ♀, (1) juv shark ~16-18" size), (1) unid flatfish, (1) smooth butterfly ray, (2) Lesser electric rays, (6) Stingrays - 3 Southern + 3 unid

Notes: Load 332 Port dragarm cable broke + repaired - arm down for 1 hr
- After Load 333 dumped, ship went to drop anchor @ 1830 - too rough
- Also Paint Test conducted load 332 w/ Corps Engr onboard.
- Clay being cleared from Aft lander, sometimes Mid - nearly every load.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0715	T. truncatus	multi / 3	betwn buoys 2 + 3 / surfacing mid channel near bow of dredge
0905		multi / ~15	Ch entr + buoy 2 / scattered small gps - look to be hunting. slow surfacing, one showed tail flukes sev times on diving, another indiv was obsvd doing lunging body slaps, one female / calf pair.

Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-10-08 Load #s: 334-335 Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: (dredging 0600-1000) partly cloudy w/ southeasterly winds blowing steady 25-30

Beaufort Sea State: 0 1 2 3 4 5 (6) (7) 8 9 10 11 12

AIR TEMP: 76-78 °C/(F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 78 °C/(F) Column (mid-depth) - °C/F Bottom - °C/F

Condition of deflector: Good to Fair Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand w/ some clay

By Catch: (1) stingray, (1) smooth butterfly ray, (1) Gafftopsail catfish

- Special note: the Bonnethead shark pup was recovered from the overflow & was on a stringer.

Notes: Dredge at the dock due to weather from 0000-0600 & 1030-2400

- stbd draghead deflector seam on bottom plate came apart showing 1" gap - welder repaired at dock

- Observers cleaned all landers and overflow at dock

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0748	T. truncatus	3 / 3	ch entr mouth / look to be hunting in choppy seas
0910		3 / 3	dump site / at surface

Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-11-08 Load #s: 336-338 Areas dredge worked: -6+400 to -13+000

Weather conditions: overcast w/partial clearing by nightfall, breezy

Beaufort Sea State: 0 1 2 3 (4) 5 6 7 8 9 10 11 12

AIR TEMP: 27-86 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 79 °C (°F) Column (mid-depth) - °C/°F Bottom - °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ✓ NO ___

Which species? (complete incident form(s)) Loggerhead

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand + some clay

Other material: few rocks, pieces of wood, debris (rope, bits of rag, plastic, rubber mat

By catch: (2) flatfish, (1) stingray, (1) smooth butterfly ray

Notes: At dock 0000-1200 due to weather. Left dock 1200 to dig.
- Load 337 Turtle Take #3 came in live but died sev hrs later.
- Load 338 Paint Test conducted following turtle take
- Clearing Aft lander of clay each load.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-12-08 Load #s: 339-344 Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: mostly overcast with a steady breeze

Beaufort Sea State: 0 1 2 (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 75-83 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 79 °C (°F) Column (mid-depth) - °C / °F Bottom - °C / °F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ✓ NO ___

Which species? (complete incident form(s)) GREEN

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand, clay

Other material: Rocks, few pieces of wood, shells, debris (hose, cable, rope, fishing line, chain, pipe, plastic sandal, bits of trash)

Bycatch: (1) unid ray, (1) Flatfish sp

Notes: Load 343 - Turtle Take #4 Green
- Load 339 Port dragarm block damaged. Delay digging 1 hr 40 min. Digging ~~for~~ with Stbd arm only remainder of job.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0640	T. truncatus	2 / 1	jetty mouth / surfaced mid ch
0642		3 / 1	near jetty mouth / surfaced under bow
0822		2 / 3	near jetty mouth / approached bow then swam off
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Observer name Osborn / Gonzalez
ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-13-08 Load #s: 345 - 350 Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: Thunder + lightning storms settled over area by early morning. Rain squalls thru out the day, sometimes very heavy, Temp dropped.

Beaufort Sea State: 0 1 2 (3) (4) (5) 6 7 8 9 10 11 12

AIR TEMP: 68-75 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 77 °C (°F) Column (mid-depth) - °C/°F Bottom - °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand, clay

Other material: Rocks, few whelk shells, bits of wood, debris (cable, heavy pieces of metal, bar, shackle, chain, few pieces plastic, fiberglass

By Catch: (2) smooth butterfly rays, (1) ray sp

BRIDGE WATCH SUMMARY

Time	Species (bottlenose dolp)	# Sightings/# Animals	Location/Comments
0730	T. truncatus	multi / 10+	jetty mouth, buoys 2-3 / surfacing around dredge - look to be hunting, scattered pairs + trios. Some high dives, leaping (porpoising) + other active pursuit, riding waves
0945		multi / 15-25	buoys 2-3 / scattered around dredge in small gps + pairs. Look to be hunting. Shallow + frequent dives. One gp of ~6 seemed to be engaged in sexual behv. One dolph belly was pink blush. The gp was in contact w/each other, small gps seen wave riding in the stormy sea.

Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-14-08 Load #s: 351-355 Areas dredge worked: -6+400 to -13+000

Weather conditions: partly cloudy early then clearing by mid morning. Calm + Sunny. Breeze dropped by morning and seas nearly flat.

Beaufort Sea State: 0 (1) 2 (3) (4) 5 6 7 8 9 10 11 12

AIR TEMP: 70 - 80 °C (F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 76 °C (F) Column (mid-depth) - °C/°F Bottom - °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand w/ Clay

Other material: Rocks, few whelk-shells, pieces of wood, debris (cable, rope mess, fishing line, wire, metal sheeting, snorkel)

By Catch: (2) Southern flounder, (1) Smooth butterfly ray, (1) stingray, (2) ray sp

Notes: Observers continue to clear the Aft lander of clayballs most every load, the mid when needed and all landers with ~~cable~~ tangles of cable-rope-line + chain. Trash has not been much of a problem.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0858	T. truncatus	multi / 6+	jelly mouth + buoys 2-3 / surfacing as ones + twos in large area of Channel. Tide ebbing, channel choppy, appear to be hunting. usually 1 breath at surface + shallow dives.
1010		multi / 15+	buoys 2-3 / scattered in smgps over area. look to be hunting.

Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-15-08 Load #s: 356-357 Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: clear & calm early, then a Gale level storm blew in from the north w/ winds reaching over 40. Rain. Waves building quickly.

Beaufort Sea State: 0 1 (2) 3 4 5 6 (7) (8) (9) 10 11 12

AIR TEMP: 72-74 °C (°F) (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface 76 °C (°F) Column (mid-depth) - °C / °F Bottom - °C / °F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ___ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand, clay

Other material: Few rocks, whelk shells, wood, debris (cable, fishing net, line, elec cord, metal pieces, rope, plastic flying ring toy

No ByCatch

Notes: Load 357 Gale force storm hit. Dredge stopped early & took load to dump. @ 0300 Trawlers headed into jetty. @ 0347 - dredge stopped digging. - Docked @ 0730 due to weather conditions.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
0700	T. truncatus	1 / 3	way up inside jetty / surfaced by dredge as it headed for dock.
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Observer name Osborn / Gonzalez

ECO, Inc

02483-A3

ENDANGERED SPECIES OBSERVER PROGRAM

DAILY REPORT

USACE DISTRICT: New Orleans / Galveston

PROJECT NAME: SW Pass / Brownsville Entr Channel DREDGE NAME: B.E. Lindholm

Date: 11-16-08 Load #s: Ø Areas dredge worked: -6 + 400 to -13 + 000

Weather conditions: high winds

Beaufort Sea State: 0 1 2 3 4 5 6 7 8 9 10 11 12

AIR TEMP: _____ °C/°F (°F = 9/5 (°C) + 32; °C = 5/9 (°F - 32))

WATER TEMP: Surface _____ °C/°F Column (mid-depth) _____ °C/°F Bottom _____ °C/°F

Condition of deflector: Good Condition of screening: Good

Were there incidents involving endangered or protected species? YES ____ NO ✓

Which species? (complete incident form(s)) NA

Comments (type of material, biological specimens, unusual circumstances, etc):

Material Dredged: Sand w/ Clay

Bycatch - No dredging activity

- Dredge at dock from 0000 hrs. due to weather conditions.

- Job End

- Overflow + all landers cleared of any debris by observers so that ship sails clean.

BRIDGE WATCH SUMMARY

Time	Species	# Sightings/# Animals	Location/Comments
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Observer name Osborn / Gonzalez

ECO, Inc

02483-A3