

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011

Surveyors: ANNE SMITH  
DULY POOPATANAPONG

Surveyor Signatures: [Signatures]

Survey Transect # KL-08-04

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
17/18 M	-	1733	09:56	N30.22566 E-88.00174	L	1m	0005	INT	Y	rising	LEFT WING BROKEN
						5m	0007				
						25m	0008				
107/108 L	-	1018	10:20	N30.22457 E-88.00898	L	1m	0009	INT	Y	rising	X
						5m	0011				
						25m	0012				
89/90 M	-	782	10:35	N30.22441 E-88.01147	L	1m	0013	INT	Y	rising	X
						5m	0015				
						25m	0016				
51/82 S	-	971	10:53	N30.22460 E-88.00954	U	1m	0017	INT	Y	rising	NECK BROKEN Near entrance way/beach access pathway
						5m	0019				
						25m	0020				
						1m				rising	X
						5m					
						25m					
						1m				rising	X
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG		Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>					
Survey Transect # AL-07-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes									
25/26 M	-	267	16:14	<del>N 30.24865</del> N 30.24865 E -88.20034	LOW	1m 0037 5m 0039 25m 0040	INT	YES	/
123/124 L	-	1277	16:52	N 30.24841 E -88.18708	LOW	1m 0042 5m 0044 25m 0045	INT	YES	
						1m 5m 25m			/
						1m 5m 25m			/
						1m 5m 25m			/
						1m 5m 25m			/

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatana Pong</i>			
Survey Transect # KL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
57/ 58 S	—	725	18:22	N 30.24496 E-88.08906	UPPER	1m 0046	INT	YES	
						5m 0048			
						25m 0049			
67/68 S	—	2000	19:02	N 30.24615 E-88.07580	LOW	1m 0050	INT	YES	• MOVED LOC = FROM 1987m TO AVOID RAP RAP • BROKEN FT WING + NECK
						5m 0052			
						25m 0053			
64/ 63 S	—	1852	19:19	N 30.24664 E-88.07750	WRACK	1m 0057	INT	YES	
						5m 0059			
						25m 0060			
106/ 105 L	—	1626	19:27	N 30.24666 E-88.07980	UPPER	1m 0061	INT	YES	BROKEN NECK
						5m 0063			
						25m 0064			
55/ 56 S	—	1619	19:34	N 30.24656 E-88.07997	LOW	1m 0065	INT	YES	X
						5m 0067			
						25m 0068			
103/ 104 L	—	1584	19:41	N 30.24663 E-88.08026	UPPER	1m 0069	INT	YES	X
						5m 0071			
						25m 0072			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: ANDY SMITH RUMI POB PATANJAPONCA				Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>				
Survey Transect: <del>123/124</del> A1-07-02		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03778	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
25/ 26 M	N30.24865 E-88.20034	270	07:37	N30.24866 E-88.20034	LOW (IN WASH JUST BELOW WRACK)	1m 0080 5m 0081 25m 0082	INT	YES	<del>rising</del>	<del>Notes</del>
123/ 124 L	N30.24841 E-88.18708	1277	08:37	SAME	LOW	1m 0083 5m 0084 25m 0085	INT	YES	rising	4 HOLE CRAB HOLE UNDER BODY, BUT NO PERFORATIONS IN CARCASS
						1m 5m 25m				
						1m 5m 25m				
						1m 5m 25m				
						1m 5m 25m				

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: ANDY SMITH AMY POOPATANJAPONG				Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanjapong</i>			
Survey Transect # AL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes									
57/ 58 S	N 30.24496 E-88.08906	725	10:17	SAME	UPPER	B03778	INT	YES	X
						1m 0086			
						5m 0087			
103/ 104 L	N 30.24663 E-88.08026	1584	10:35	SAME	UPPER	0088	INT	YES	X
						1m 0088			
						5m 0089			
105/ 106/105 L	N 30.24666 E-88.07980	1626	10:40	SAME	UPPER	0090	INT	YES	FEETLES, CRAB TRACKS
						1m 0090			
						5m 0091			
55/ 56 S	N 30.24654 E-88.07997	1619	10:46	NONE	LOWER	---	NONE	NO	NO SIGN OF BIRD OR BLOCK.
						1m ---			
						5m ---			
64/ 63 M	N 30.24664 E-88.07750	1852	10:55	SAME	WRACK	0092	DIST	YES	SMALL HOLE IN <del>SKIN</del> ABDOMEN
						1m 0092			
						5m 0093			
67/ 68 M	N 30.24615 E-88.07580	1987	11:00	NONE	LOW	---	NONE	NO	NO SIGN OF BIRD OR BLOCK
						1m ---			
						5m ---			
						25m ---			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: ANDREW SMITH AUGUST POOPATANAKONG				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # AL-23-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03778	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes									
119/ 120 L	N 30.22910 E -87.97535	237	12:59	SAME	WRACK	1m 0094	INT	YES	X
						5m 0095			
						25m —			
1/2 M	N 30.22940 E -87.97202	560	13:03	SAME (?) DONT HAVE YESTERDAY'S COORD. WILL CHECK.	LOW	1m 0096	INT	YES	
						5m 0097			
						25m —			
118/ 117 L	N 30.23032 E -87.96053	1672	13:27	SAME	WRACK	1m 0098	INT	YES	
						5m 0099			
						25m —			
51/ 52 L	N 30.23051 E -87.95725	1994	13:44	SAME	WRACK	1m 0101 0100	INT	YES	
						5m 0102 0101			
						25m —			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: ANDY SMITH ASYM POOPATANAPONG		Surveyor Signatures: <i>Andy Smith</i> <i>Asym Poopatanapong</i>					
Survey Transect # AL-08-04									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
89/ 90 M	N 30.22441 E -88.01147	782	15:37	~1m SW	LOW	1m 102	SB	YES	* BIRD MOVED - 1m SW OFF BLOCK. ALMOST ALL FLESH COMPLETELY GONE, APPARENTLY BY GHOST CRAB. SEVERAL HOLES NEXT TO CARCASS. ONE CRAB SEEN ON CARCASS.
						5m 104			
						25m -			
51/ 82 M	N 30.22460 E -88.00954	971	15:45	SAME	UPPER	1m 105	DIST	YES	BACK OF HEAD + NECK FORWARDED. ABDOMEN INTACT
						5m 106			
						25m -			
107/ 108 L	N 30.22457 E -88.00898	1018	15:50	SAME	LOW	1m 107	DIST	YES	EYES, SOME ORGANS GONE. GHOST CRAB.
						5m 108			
						25m -			
17/ 18 M	N 30.22566 E -88.00174	1733	16:09	SAME	LOW	1m 109	DIST	YES	EYES, SOME ORGANS GONE.
						5m 110			
						25m -			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011  
 Survey Transect # AL-07-02  
 Surveyors: ANDY SMITH, AMY POOPATANAPONG  
 Surveyor Signatures: [Signatures]

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03788			Photo(s) ID# <sup>4</sup>
25/ 26 M	N 35.24865 E -88.20034	267	07:21	SAME	LOW	1m 0115	INT	YES	Notes
						5m 0116			
						25m —			
123/ 124 L	N 30.24841 E -88.18708	1277	08:07	SAME	LOW	1m 0117	DIST	YES	GHOST CRAB. ABDOMINAL CAVITY PUNCTURED BUT ALL ORGANS APPEAR TO BE INTACT.
						5m 0118			
						25m —			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
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<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011		Surveyors: ANDY SMITH ANN POOPATANARONG				Surveyor Signatures: <i>Andy Smith</i> <i>Ann Poopatana</i>			
Survey Transect # AL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
57/ 58 S	N30.24496 E-88.08906	725	09:36	N30.24496 E-88.08914	UPPER	1m 0120	DIST	PRESENT AS ORIGINAL SITE; NOT WITH BIRD	MOVED ~ 10m W. HEAD REMOVED, BODY MOSTLY INTACT - NEW WAT POINT = ALO802 57-58-1
						5m 0121			
						25m 0122			
103/ 104 L	N30.24663 E-88.08026	N/A 1584	10:01	SAME	UPPER	1m 0123	INT	YES	LOOKS HARDLY TOUCHED
						5m 0124			
						25m —			
106/ 105 L	N30.24660 E-88.07980	1626	10:08	SAME	UPPER	1m 0125	INT	YES	EYES GONE BUT OTHERWISE INTACT.
						5m 0126			
						25m —			
64/ 63 M	N30.24664 E-88.07150	1852	10:14	SAME	WRACK	1m 0127	DIST	YES	SMALL HOLE IN CHEST. ORGANS APPEAR INTACT.
						5m 0128 <sup>AS</sup>			
						25m —			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011		Surveyors: ANDY SMITH AMY POOPATANOPONG				Surveyor Signatures: <i>[Signature]</i> <i>Amy Poopatampong</i>			
Survey Transect # AL-23-02		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
119/ 120 L	N 30.22910 E-87.97535	237	12:41	SAME	WRACK	1m 0128	DIST	YES	HOLE IN BACK. ORGANS STILL PRESENT
						5m 0129			
						25m —			
1/2 M	N 30.22940 E-87.97202	560	12:49	SAME	LOW	1m 0130	DIST	YES	PUNCTURE IN ABDOMEN. SOME ORGANS MAY BE MISSING.
						5m 0131 A3			
						25m —			
118/ 117 L	N 30.23032 E-87.96053	1672	13:10	SAME	WRACK	1m 0132 <sup>131</sup>	INT	YES	EYES EATEN. CARCASS NOT PUNCTURED.
						5m 0133 <sup>132</sup>			
						25m —			
51/ 52 L	N 30.23051 E-87.95725	1992	13:17	SAME	WRACK	1m 0134 <sup>133</sup>	DIST	YES	SKIN PUNCTURED BUT ORGANS APPEAR TO BE PRESENT. • BEACH GROOMER NEAR HERE BUT DID NOT DISTURB CARCASS.
						5m 0135 <sup>134</sup>			
						25m —			
<del>_____</del>						1m			
<del>_____</del>						5m			
<del>_____</del>						25m			
<del>_____</del>						1m			
<del>_____</del>						5m			
<del>_____</del>						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011		Surveyors: ANJOU SMITH ANJOU POPPATOMAYONG		Surveyor Signatures: <i>Anjou Smith</i> <i>Anjou Poppatomayong</i>					
Survey Transect # AL-08-04									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03788			Photo(s) ID# <sup>4</sup>
Notes									
89/ 90 M	N30.22441 E-88.01147	782	14:48	GONE, BLOCK HAS NOT MOVED.	LOW	1m 0135	GONE	YES	NO SIGN OF BIRD EXCEPT SOME FEATHERS. BLOCK STILL PRESENT. GHOST CRABS HOLE NEXT TO BLOCK.
						5m —			
						25m —			
91/ 82 S	N30.22460 E-88.00954	971 (NOW 974)	14:56	N30.22459 E-88.00952	UPPER	1m 136	DIST	YES	* MOVED ~ 3m E. * HEAD + SKUL GONE, BEGLE HOLES ON BACK. ORGANS PRESENT. NEAR CRAB HOLE
						5m 137			
						25m <del>140</del>			
107/ 108 L	N30.22457 E-88.00898	1018	15:02	SAME	LOW	1m 138	OR	YES	NEXT TO GHOST CRABS HOLE
						5m 139			
						25m —			
17/ 18 M	N30.22566 E-88.00174	1733	15:14	SAME	LOW	1m 141	DIST/OR	YES	SOME ORGANS GONE BUT NOT ALL. TAIL, EYES REMOVED.
						5m 142			
						25m —			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatana Pong</i>			
Survey Transect # AL-07-02		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 303788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
25/ 26 M	N30.24865 E-88.20034	267	06:42	SAME	LOW	1m 0147	DIST	YES	Tide: <u>rising</u> falling, slack low, slack high
						5m 0148			
						25m —			
123/ 124 L	N30.24841 E-88.18708	1277	07:20	SAME	LOW	1m 0149	INT	YES	Notes: SOME BEETLES BUT SKIN NOT BROKEN.
						5m 0150			
						25m —			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011		Surveyors: ANDY SMITH AMYE POOPATANAPONG				Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanyong</i>				
Survey Transect # AL-08-02										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			( <u>rising</u> ) falling, slack low, slack high	
57/ 58 S	N30.24496 E-88.08914	725	08:31	MISSING	UPPER	303788	MISSING	YES	<u>rising</u>	BLOCK PRESENT BUT BIRD MISSING.
						1m 0151				
						5m 0152				
103/ 104 L	N30.24663 E-88.08026	1584	08:54	SAME	UPPER	1m 0153	INT	YES	<u>rising</u>	LOTS OF CRAB PRINTS AROUND. FLIES ON BODY BUT NO HAIR IN SKIN. CARCASS DESSICATED + HARD.
						5m 0154				
						25m <del>X</del>				
106/ 105 L	N30.24666 E-88.07980	1626	09:00	SAME	UPPER	1m 0155	DST	YES	<u>rising</u>	BEETLES, CRABS. SKIN PUNCTURED BUT ORGANS, PECTORALS REMAIN. STUNKY, NOT DRY
						5m 0156				
						25m <del>X</del>				
64/ 63 M	N30.24664 E-88.07750	1852	09:05	SAME	WRACK	1m 0157 NB	OR	YES	<u>rising</u>	LOTS OF WIGGOTS. ABDOMEN PUNCTURED IN FRONT + BACK. STUNKY, NOT DRY.
						5m 0158				
						25m <del>X</del>				
						1m			<u>rising</u>	
						5m				
						25m <del>X</del>				
						1m			<u>rising</u>	
						5m				
						25m <del>X</del>				

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011		Surveyors: ANDY SMITH BILLY POOPATANADONG		Surveyor Signatures: <i>Andy Smith</i> <i>Billy Poopatadong</i>					
Survey Transect # AL-23-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03788			rising, (falling), slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
119/120 L	N30.22910 E-87.97335	237	10:37	SAME	WRACK	1m 0159	DST	YES	HOLE IN BACK + CLORACA. LOTS OF MARGOTS. PECTORALS DRY + HARD
						5m 0160			
						25m <del>X</del>			
1/2 M	N30.22940 E-87.97202	560	10:51	MISSING	LOW	1m 0161	MISSING	NO	NO BIRD, NO BLOCK. LOOKS UN- LIKELY THAT THEY WERE WASHED AWAY B/C OLD TRACKS, NO SIGNS OF WATER @ LOCATION
						5m 0162			
						25m <del>X</del>			
118/117 L	N30.23032 E-87.96053	1672	11:10	SAME	WRACK	1m 0163	INT	YES	DRY + HARD. NOT STINKY
						5m 0164			
						25m <del>X</del>			
51/52 L	N30.23051 W-87.95725	1994	11:20	SAME	WRACK	1m 0165	DST	YES	ORGANS + PECTORALS APPEAR TO BE INTACT. BROKEN SKIN BUT NO BIG HOLES. BEETLES
						5m 0166			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: ANDY SMITH Amy Poopatanapong				Surveyor Signatures: <i>[Signature]</i>						
Survey Transect # AL-07-02												
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):			
						Photo(s) ID# <sup>4</sup>			Notes			
25/ 26 M	N30.24865 E-88.20034	267	07:28	SAME	LOW	603788	OR	YES	rising, falling, slack low, slack high			
						1m 0176				OR	YES	OBU ORGANS GONE, PECTORALS REMAIN
						5m 0177						
23/ 24 L	N30.24841 E-88.18708	1277	08:12	MISSING	LOW	1m 0178	MISSING	YES	NEIGHBOURS SAY SOMEONE CAME IN A VEHICLE AND REMOVED CARCASS, POSSIBLY A STATE VEHICLE.			
						5m 0179						
						25m <del>X</del>						
						1m						
						5m						
						25m						
						1m						
						5m						
						25m						
						1m						
						5m						
						25m						

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: ANDY SMITH AMY POOPATAMONGA				Surveyor Signatures: [Signatures]			
Survey Transect # AL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						303788			Photo(s) ID# <sup>4</sup>
Notes									
103/ 104 L	N 30.24663 E-88.08026	1584	10:15	SAME	UPPER	1m 0180	INT	Y	STILL INTACT. DRY + HARD. FLIES BUZZING AROUND BUT NO MAGGOTS, NO ODOUR
						5m 0181			
						25m X			
106/ 105 L	N 30.24666 E-88.07980	1626	10:25	SAME	UPPER	1m 0186	DST	Y	SOME ORGANS REMOVED, PECTORALS REMAIN. LOTS OF FLIES, SOME MAGGOTS. ODOUROUS.
						5m 0187			
						25m X			
64/ 63 M	N 30.24664 E-88.07750	1652	10:30	SAME	WRACK	1m 0188	PR/OR	Y	LOTS OF MAGGOTS. ORGANS APPEAR TO BE GONE, PECTORALS GONE BUT SOME FLESH REMAINS. NOT YET SB
						5m 0189			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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ONE OIL CARCASS ENCOUNTERED @ N 30.24659 E-88.08035 IN LOWER WRACK. STATE: SB, MOSTLY BURIED. IMMATURE  
 HERRING GULL? NO BANDS. NO VISIBLE OIL PHOTOS: 0182 - SKIN BURIED, 1m; 0183 - SKIN BURIED, 5m; 0184 - UNCOVERED, 1m;  
 0185 - UNCOVERED, 5m.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>			
Survey Transect # AL-2702									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
119/ 120 L	N30.22910 E-87.91635	237	12:05	SAME	WRACK	1m 0190	OR	YES	ORGANS GONE. PECTORALS APPEAR TO BE MOSTLY INTACT. MARGOTS, BEETLES, CRABS.
						5m 0191			
						25m <del>X</del>			
118/ 117 L	N30.23032 E-87.91053	1672	12:47	SAME	WRACK	1m 0195	INT	YES	SOMEWHAT FRY + HARD. NO EVIDENCE OF SCAVENGING, EXCEPT EYES MISSING.
						5m 0196			
						25m <del>X</del>			
51/ 52 L	N.30.23051 E-87.95725	1994	13:05	SAME	WRACK	1m 0198	DISC	YES	NO OBVIOUS HOLES BUT ABDOMINAL CAVITY APPEARS TO BE PARTIALLY VACANT. BEETLES + MARGOTS
						5m 0199			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

\*INJURED NORTHERN GANNET FOUND. WPI Injured NOAA. LYING ON BEACH, APPARENTLY UNABLE TO MOVE. TOLD BY VACATIONERS THAT IT HAS OIL ON THE UNDERSIDE AND CAN GET BUT NOT WALK. PHOTO # 0197

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: ANDREW SMITH ANNU POOPATANAPONG				Surveyor Signatures: <i>Andrew Smith</i> <i>Annu Poopatanapong</i>			
Survey Transect # AL-08-04		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
89/90 M	N30.22441 E-88.01147	4970	12:28	N30.22970 E-81.96835	LOW	803788	SB	NO	Notes
						1m 0192			
						5m 0193			
51/82 S	N30.22460 E-88.00954	971	14:56	SAME	UPPER	25m 0194	SB	YES	BIRD FOUND 4190m E OF ORIGINAL LOCATION. FISHED OUT OF SURF BY CHILD. LEFT IN LOWER ZONE WHERE FOUND. LEG TAG MISSING. RE-LABELLED USED BLOCK + PLACED IN W/ BIRD. MAY BE SOME ORGANS REMAINING. 1 LEG, TAIL, HEAD GONE. SOME FLESH REMAINS, BUT MOSTLY SKIN, BONES + FEATHERS
						1m 0200			
						5m 0201			
004 17/18 M	N30.22566 E-88.00174	1733	15:16	SAME	WRACK	25m X	OR	YES	SOME, BUT NOT ALL ORGANS GONE. 1 LEG, LEG BAND, TAIL GONE. BEETLES STARTING TO EAT PERFORATED, BUT MOST REMAIN.
						1m 0202			
						5m 0203			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: ANDY SMITH ARMY POOPATANAPONG		Surveyor Signatures: <i>Andy Smith</i> <i>Army Poopatanapong</i>					
Survey Transect # AL-07-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						303788			rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
25/ 26 M	N30.24865 E-88.20034	267	07:15	N30.24870 E-88.20034 LWP= AL0702 25-26-1)	LOW	1m 0208	SB	YES (NEXT TO BIRD)	POSSIBLY ONE ORGAN REMAINS. ALL ORGANS + PECTORALS OTHERWISE REMOVED. BIRD MOVED ~ 4m W. PROBABLY FLOATED BY TIDE. IN WRACK.
						5m 0209			
						25m 0210			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

NOTE: TALKED TO A CITY OF DAUPHIN ISLAND TRASH COLLECTOR. SAWS HE HAS BEEN PICKING UP DEAD BIRDS ON BEACH. SUSPECT HE LIKELY REMOVED BIRD #123/124 FROM THIS TRANSECT.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>			
Survey Transect # AL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
103/ 104 L	N30.24663 E-88.08026	1584	09:46	SAME	LOW	1m 0211	DST	YES	Tide (circle one): <u>rising</u> , falling, slack low, slack high
						5m 0212			
						25m <del>X</del>			
<del>104/ 105 L</del>	<del>N30.24663 E-88.08026</del>	<del>1584</del>	<del>09:46</del>	<del>SAME</del>	<del>LOW</del>	1m <del>X</del>	<del>DST</del>	<del>YES</del>	<del>SMALL HOLES IN HEAD + ABDOMEN. MARIGOTS IN HEAD, BEETLES, ORGANS + PECTORALS REMAIN. WAS DRY + HARD, BECOMING SQUISHY.</del>
						5m <del>X</del>			
						25m <del>X</del>			
106/ 105 L	N30.24666 E-88.07980	1628	09:51	SAME	UPPER	1m 0213	PR	YES	PECTORALS REMOVED, ORGANS MAY BE PARTIALLY GONE. BEETLES + MARIGOTS + ANTS. HOLE IN SIDE OF ABDOMEN + ON BACK NEAR TAIL.
						5m 0214			
						25m <del>X</del>			
64/ 63 M	N30.24664 E-88.07150	1852	10:02	SAME	WRACK	1m 0215	PR+OR	YES.	ORGANS + PECTORALS MOSTLY REMOVED BUT SOME FLESH REMAINS. MARIGOTS. SURELY
						5m 0216			
						25m <del>X</del>			
<del>64/ 63 M</del>	<del>N30.24664 E-88.07150</del>	<del>1852</del>	<del>10:02</del>	<del>SAME</del>	<del>WRACK</del>	1m <del>X</del>	<del>PR+OR</del>	<del>YES.</del>	<del>ORGANS + PECTORALS MOSTLY REMOVED BUT SOME FLESH REMAINS. MARIGOTS. SURELY</del>
						5m <del>X</del>			
						25m <del>X</del>			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanapong</i>						
Survey Transect # AL-23-02		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):			
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			rising <input checked="" type="radio"/> falling <input type="radio"/> slack low, slack high			
119/ 120 L	N 30.22510 E-87.91535	237	12:06	SAME	WRACK	603788	OR+PR	YES	Notes			
						1m 0217				ORGANS + PECTORALS APPEAR TO BE REMOVED. SOME FRESH REMAINS. MAGGOTS + CRABS.		
						5m 0218						
						25m <del>XXXX</del>						
118/ 117 L	N 30.23032 E-87.96053	1672	12:33	SAME	WRACK	1m 0219 0221	INT	YES	Notes			
						5m 0220 0222 AS				1 BEETLE. NO MAGGOTS OR CRABS. NO HOLES OR ODOURS.		
						25m <del>XXXX</del>						
						1m 0223 / 0224	PR	YES	Notes			
51/ 52 L	N 30.23051 E-87.95125	1994	12:42	SAME	WRACK	5m 0225 AS				PR	YES	Notes
						25m <del>XXXX</del>						
						1m						
						5m						
						25m						
						1m						
						5m						
						25m						

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: ANDY SMITH AMY POOPATANAWONG				Surveyor Signatures: <i>[Signature]</i> Amy Poopatanyong			
Survey Transect # AL-08-04									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes									
89/ 90 M	N30.22970 E-87.96835	4970	12:20	SAME	LOW	B03788	SB	YES	
						1m 0219			
						5m 0220			
51/ 82 S	N30.22460 W-88.00954	971	13:58	SAME	UPPER	1m 0226	SB	YES	RIB CAGE, WINGS, BONES + FEATHERS ONLY. HEAD, TAIL, NECK + MOST OF ABDOMEN GONE.
						5m 0227			
						25m <del>X</del>			
17/ 18 M	N30.22506 E-88.00174	1733	14:21	MISSING	LOW	1m <del>X</del>	MISSING	NO	NO SIGN OF BIRD OR BLOCK. SUSPECT IT FLOATED AWAY IN HIGH TIDE LAST NIGHT.
						5m 0228			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011		Surveyors: ANDY SMITH AMY POOPATHANAPONGA				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # AL-09-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			(rising, falling, slack low, slack high)
25/ 26 M	N 30.24870 E -88.20039	267	08:17	N 30.24873 E -88.20034 (WP = AL0902 25-26-2)	L	1m 228 <sup>229</sup> AS	SB	YES ~50cm AWAY	MOVED 3-6 m, PROBABLY FLOATED ON TIDE. NO ORGANS, NO MUSCLES. LITTLE BIT OF SKIN REMAINS.
						5m 230			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011		Surveyors: ANDY SMITH AMY POOPATIA A PONG				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # AL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 303788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
103/ 104 L	N 30.24663 E-88.08026	1584	10:08	SAME	UPPER	1m 0231	DIST	YES	SOME SMALL HOLES. ORGANS MAY BE PARTIALLY EATEN. PECTORALS REMAIN. STARTING TO SWELL. FEW MIDGEOTS
						5m 0232			
						25m <del>X</del>			
106/ 105 L	N 30.24666 E-88.07980	1626	10:14	SAME	UPPER	1m 0233	DIST	YES	ORGANS PARTIALLY MISSING. PECTORALS PRESENT. MIDGEOTS + CRABS
						5m 0234			
						25m <del>X</del>			
64/ 63 M	N 30.24664 E-88.07150	1852	10:21	SAME	WRACK	1m 0235	PR+OR	YES	ORGANS + PECTORALS REMOVED BUT SOME FLESH REMAINS. MIDGEOTS, <del>CRABS</del> + ANTS.
						5m 0236			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011		Surveyors: ANDY SMITH AMY POOPATANAPONGA			Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanapong</i>				
Survey Transect # RL-2300-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
119/ 120 L	N 30.22910 W -81.97535	237	12:05	SAME	WRACK	03788	OR	YES	rising
						1m 0237			
						5m 0238			
118/ 117 L	N 30.23032 E -81.96053	1672	12:33	SAME	WRACK	0241	DIST	YES	
						1m 0241 KS			
						5m 0242			
51/ 52 L	N 30.23051 E -81.95725	1994	12:43	MISSING	WRACK	0243	MISSING	YES	
						5m 0244			
						25m 0245			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

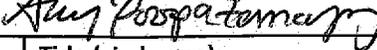
<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude, WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011		Surveyors: ANDY SMITH RIMY PODPATKAPONG		Surveyor Signatures: <i>Andy Smith</i> <i>Rimy Podpatkpong</i>					
Survey Transect # AL-08-04									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						303788			rising, <u>falling</u> slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
89/ 90 M	N 30.22970 E -87.96835	<del>702</del> 4970(2)	12:19	SAME	LOW	1m 0239	SB	YES	MOSTLY JUST BONES + FEATHERS.
						5m 0240			
						25m X			
SV 82 S	N 30.22459 E -88.00952	971	14:04	SAME	UPPER	1m 0246	SB	YES	MOSTLY FEATHERS + BONES. RIB-CAGE + WINGS REMAIN. <del>NO</del> LITTLE TO NO FLESH REMAINS. NO LEGS, HEAD, NECK OR TAIL.
						5m 0247			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:		Surveyor Signatures:					
06/19/2011		ADAM SMITH JULY POOPATWAPONG		 					
Survey Transect #		Camera:		Tide (circle one):					
AL-07-02		B03788		<input checked="" type="radio"/> rising, <input type="radio"/> falling, <input type="radio"/> slack low, <input type="radio"/> slack high					
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: Photo(s) ID# <sup>4</sup>	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
25/ 26 M	N30.24873 E-88.20041	267	07:54	SAME	LOW	1m 0252	SB	YES	SKIN, BONES + FEATHERS. LOT OF ESE. MAGGOTS + CRABS.
						5m 0253			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011		Surveyors: ANDY SMITH AMY PODPATKUNADONG				Surveyor Signatures: <i>Andy Podpatkuny</i>			
Survey Transect # AL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03788			Photo(s) ID# <sup>4</sup>
Notes									
103/ 104 L	N30.24663 E-88.08026	1584	10:08	SAME	UPPER	1m 0254	PR	YES	PECTORALS REMOVED, ORGANS APPEAR TO BE MOSTLY INTACT. LARGE HOLES IN DORSAL + VENTRAL ABDOMEN. ANTS, MAGGOTS, BEETLES
						5m 0255			
						25m X			
106/ 105 L	N30.24666 E-88.07980	1626	10:13	SAME	UPPER	1m 0256	PR	YES	ORGANS APPEAR TO BE PRESENT. PECTORALS APPEAR TO BE AT LEAST PARTIALLY REMOVED. LARGE HOLES IN DORSAL + VENTRAL ABDOMEN. ANTS, BEETLES, MAGGOTS + CRABS
						5m 0257			
						25m X			
64/ 63 M	N30.24664 E-88.07150	1852	10:21	SAME	WRACK	1m 0258	OR+PR	YES	ORGANS + PETS REMOVED BUT SOME FLESH REMAINS. ANTS, MAGGOTS + CRABS
						5m 0259			
						25m X			
NOTE: RECREATIONAL SURVEYORS OBSERVED BLOCK IN SAND-CASTLE ALONG TRANSECT. WILL SEARCH FOR IT TOMORROW.						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011		Surveyors: ANDY SMITH ANU POOPATANADONKI			Surveyor Signatures: Andy Smith Anu Poopatamony				
Survey Transect # AL-230-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
119/ 120 L	N30.22910 E-81.97535	237	12:54	SAME	WRACK	1m 0260	OR	YES	LARGE HOLE LOWER VENTRAL ABDOMEN. BEETLES + CRABS BUT NO MAGGOTS SEEN.
						5m 0261			
						25m <del>X</del>			
118/ 117 L	N30.23032 E-81.96053	1672	13:21	SAME	WRACK	1m 265	DIST	YES.	SMELLY. JUICY. NO OBVIOUS LARGE HOLES. ORGANS + PECTORALS PRESENT. BEETLES. NO ANTS, MAGGOTS, FLIES OR CRABS OBSERVED.
						5m 266			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG			Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanapong</i>					
Survey Transect # AL-08-04										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
Notes										
89/ 90 M	N30.22970 E-87.96835	4970	13:08	SAME	LOW	305788	SB	YES	( )	MOSTLY BONES + FEATHERS. POSS. <del>SKIN</del> A LITTLE SKIN. HAD BEGS COVERED BY SAND. UNCOVERED BIRD.
						1m 0262/0264				
						5m 0263				
51/ 82	N30.22460 E-88.00654	971	14:30	SAME	UPPER	0267	SB	YES	( )	VERY SIMILAR TO YESTERDAY - MOSTLY RIB CAGE + WINGS.
						1m 0267				
						5m 0268				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011  
 Survey Transect # AL-07-02  
 Surveyors: ANDY SAUTTA, AMY POOPATANAPONG  
 Surveyor Signatures: Andy Sautta, Amy Poopatampong

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): (rising) falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
25/ 26 M	N30.24873 E-88.20034	267	07:50	SAME	LOW	1m 0273	SB	YES	MOSTLY JUST RIBBONES, WINGS, HEAD + LEGS. LITTLE BIT OF SKIN + FRESH REMAINS. CRABS.
						5m 0274			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG		Surveyor Signatures: Andy Smith Amy Poopatanapong					
Survey Transect # AL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			(rising, falling, slack low, slack high)
Notes									
103/ 104 L	N30.24663 E-88.08026	1584	10:15	SAME	UPPER	1m 0275	DIST	YES	1 PECTORAL, SOME ORGANS MISSING BUT NOT ALL. ANTS + MAGGOTS. ODOROUS.
						5m 0276			
						25m X			
106/ 105 L	N30.24666 E-88.07980	1626	10:22	SAME	UPPER	1m 0277	PR	YES	PECTORALS APPEAR REMOVED, ORGANS APPEAR (MOSTLY) PRESENT. ANTS + MAGGOTS + CRABS.
						5m 0278			
						25m X			
164/ 63 M	N30.24664 E-88.07150	1852	10:30	SAME (MOVED ~ 30 CM)	WRACK	1m 0279	PR+OR	YES	PECTORALS + ORGANS GONE. BONES, FEATHERS + SKIN REMAIN, SMALL AMOUNT OF FLESH.
						5m 0280			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011		Surveyors: ANDY SMITH ANDY PROSPERANAPONG			Surveyor Signatures: <i>Andy Smith</i> <i>Andy Prosperanapong</i>				
Survey Transect # AL-23-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
119/120 L	N30.22910 E-87.97535	237	12:05	SAME	WRACK	1m 0281	PR PRTOR	YES	BEETLES + CRABS. PECTORALS + ORGANS GONE. OTHERWISE RELATIVELY INTACT. HAS HEAD, TAIL, LEGS, MOST FEATHERS.
						5m 0282			
						25m X			
118/117 L	N30.23032 E-87.96053	1672	12:32	SAME	WRACK	1m 0285	DST	YES	ORGANS + PECTORALS APPEAR TO BE PRESENT. NO OBVIOUS LARGE HOLES.
						5m 0286			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011		Surveyors: ANDY SMITH ANDY POOPATANAPONG				Surveyor Signatures: <i>Andy Smith</i> <i>Andy Poopatannapong</i>					
Survey Transect # AL-08-04		Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Photo(s) ID# <sup>4</sup>								Notes			
89/90 M	N30.22570 E-87.96835	4970	12:20	SAME	LOW	303188	1m 0283	SB	YES	ABOUT THE SAME AS YESTERDAY	
							5m 0284				
							25m X				
51/82 S	N30.22460 E-88.00954	971	13:41	SAME	UPPER		1m 0287	SB	YES	RIB CAGE + WINGS ONLY.	
							5m 0288				
							25m				
							1m				
							5m				
							25m				
							1m				
							5m				
							25m				
							1m				
							5m				
							25m				

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: BOB ANDY SMITH AMY POOSPATANAPORN				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect #: AL-07-02		Camera: B03788		Tide (circle one): rising, falling, slack low, slack high		Notes			
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Photo(s) ID# <sup>4</sup>	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
25/ 26 M	N30.24873 E-88.20034	267	07:29	SAME	LOW	1m 0289	SB	YES	SKIN, BONES + FEATHERS.
						5m 0290			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),

"Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: Andy Smith Amy Poopatanapong					
Survey Transect # AL-08-02		Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
Photo(s) ID# <sup>4</sup>								Notes			
64/ 63 M	N30.24664 E-88.07750	1852	09:08	SAME	WRACK	1m 0291	SB	YES	SIMILAR TO YESTERDAY		
						5m 0292					
						25m X					
106/ 105 L	N30.24666 E-88.07980	1626	09:17	SAME	UPPER	1m 0293	OR+PR	YES	ORGANS + PECTORALS APPEAR TO BE MISSING. OTHERWISE, RELATIVELY INTACT.		
						5m 0294					
						25m X					
103/ 104 L	N30.24663 E-88.08026	1584	09:22	SAME	UPPER	1m 0295	OR+PR	YES	ORGANS + PECTORALS APPEAR TO BE MISSING. BIG HOLE IN CHEST. MOSTLY BONE, SKIN + FEATHERS REMAIN. SOME FLESH.		
						5m 0296					
						25m X					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: ANDY SWIFT AMY ROBERTSON				Surveyor Signatures: <i>Andy Swift</i> <i>Amy Robertson</i>			
Survey Transect # AL-230-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03788			Photo(s) ID# <sup>4</sup>
Notes									
119/ 120 L	N 30.22910 E-87.97535	237	11:11	SAME	WRACK	1m 0297	SB	YES	MOSTLY SKIN, BONES + FEATHERS. LARGE HOLE IN VENTRAL ABDOMEN. CRABS. NO OBVIOUS INVERTEBRATES.
						5m 0298			
						25m X			
118/ 117 L	N 30.23032 E-87.96053	1672	11:39	SAME	WRACK	1m 0301	DIST	YES	PECTORALS MAY BE PARTIALLY MISSING. ORGANS APPEAR TO BE PRESENT. NO OBVIOUS LARGE HOLES. BEETLES + MAGGOTS.
						5m 0302			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),<sup>6</sup> "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: <del>ANDY</del> ANDY SMITH AMY POOPATANAPONG		Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanapong</i>						
Survey Transect # AL-08-04										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	
						803788			(rising, falling, slack low, slack high)	
						Photo(s) ID# <sup>4</sup>	Notes			
89/ 90 M	30-22970 E-87.96835	4970	11:26	SAME	LOW	1m 0299	SB	YES	SAME AS YESTERDAY.	
						5m 0300				
						25m X				
51/ 82 S	N30-22460 E-88-00954	971	12:48	SAME	UPPER	1m 0303	SB	YES	SKIN, BONES + FEATHERS. SAME AS YESTERDAY.	
						5m 0304				
						25m X				
107/ 108 L	N30-22457 E-88-00898	1018	12:54	SAME	LOW	1m 0305	MISSING	YES	FOUND BLOCK IN ORIGINAL LOCATION BUT NO BIRD, BLOCK POSS. UNCOVERED BY BIG WAVES LAST NIGHT.	
						5m 0306				
						25m X				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/22/2011		Surveyors: ANOY SMITH AMY DOOPA-TANAPONG			Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>				
Survey Transect # AL-07-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, <u>slack low</u> , slack high
						Photo(s) ID# <sup>4</sup>			Notes
25/26  M	N30.24873 E-88.20034	267	07:52	SAME	LOW	1m 0315	SB	YES	NO CHANGE FROM YESTERDAY.
						5m 0316			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/22/2011		Surveyors: ANDY SMITH AMY POOPATANADONG				Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanadong</i>			
Survey Transect # AL-08-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): <u>low</u> rising, falling, <del>slack low</del> , slack high
						Photo(s) ID# <sup>4</sup>			Notes
103/ 104 L	N30.24663 E-88.08026	1584	09:34	SAME	UPPER	1m 0317	OR+PR	YES	ORGANS + PECTORALS BOTH GONE. MOSTLY SKIN, BONES + FEATHERS. SOME FLESH REMAINS (THEREFORE NOT YET SB)
						5m 0318			
						25m <del>X</del>			
106/ 105 L	N30.24666 E-88.07980	1626	09:44	SAME	UPPER	1m 0323	OR+PR	YES	ORGANS + PECTORALS BOTH MISSING. MOSTLY SKIN, BONES + FEATHERS
						5m 0324			
						25m <del>X</del>			
64/ 63 <sub>M</sub>	N30.24664 E-88.07750	1852	09:50	SAME	WRACK	1m 0325	SB	YES	NO CHANGE FROM YESTERDAY.
						5m 0326			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

\*DEAD PEARL FOUND @ 09:38 ~ 10 m S OF CARCASS # 103-104 - IN WASH ZONE. NO VISIBLE OIL. INTACT. PHOTOS # 0319-0322

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form									
Date (mm/dd/yyyy): 06/22/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>[Handwritten Signatures]</i>			
Survey Transect #: KL-23-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, <u>slack high</u>
119/120 L	N30.22910 E-87.91535	237	12:02	SAME	WRACK	803788	SB	YES	SKIN, BONES + FEATHERS FLIES + BEETLES.
						1m 0327			
						5m 0328			
118/117 L	N30.23032 E-87.96053	1672	12:31	SAME	WRACK	1m 0331	PR	YES	NO LARGE OBVIOUS HOLES. PECTORALS APPEAR TO BE MISSING. ORGANS MAY BE ALSO. CRABS + BEETLE. NO MIDGEOTS. QUITE A BIT OF FLESH REMAINS
						5m 0332			
						25m X			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude: WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/22/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG			Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanapong</i>				
Survey Transect # AL-08-04									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, <u>slack high</u>
89 90 M	N30.22910 E-87.96835	4970	12:16	SAME	LOW	603788	SB	YES	UNCHANGED FROM YESTERDAY.
						1m 0329			
						5m 0330			
SV 82 S	N30.22459 E-88.00952	971	12:58	SAME	UPPER	25m X	SB	YES	UNCHANGED FROM YESTERDAY.
						1m 0333			
						5m 033A			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),

<sup>6</sup> "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/23/2011  
 Surveyors: ANDY SMITH  
 Survey Transect #: K2-07-02  
 Surveyor Signatures: *[Signatures]*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 303788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
25/ 26 M	N30.24873 E-88-20034	267	07:12	SAME	LOW	1m 0339	SB	YES	SAME CONDITION AS YESTERDAY.
						5m 0340			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/23/2011  
 Surveyors: ANDY SMITH  
 Survey Transect #: AL-08-02  
 ANDY POOPATANAPONG  
 Surveyor Signatures: *[Handwritten signatures]*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, <u>slack high</u>
107/104 L	N 30.24663 E -88.08076	1584	08:20	SAME	UPPER	1m 0341	SB	YES	MAY BE SOME FLESH LEFT IN NECK + WINGS. OTHERWISE SKIN, BONES + FEATHERS. VERY LARGE CRAB HOLE.
						5m 0342			
						25m X			
106/105 L	N 30.24666 E -88.07980	1626	08:26	SAME	UPPER	1m 0343	SB	YES	SKIN, BONES + FEATHERS. HEAD, WINGS + TAIL REMAIN - LARGE CRAB HOLE.
						5m 0344			
						25m X			
64/63 M	N 30.24664 E -88.07150	1852	08:34	SAME	WRACK	1m 0345	SB	YES	LITTLE CHANGE SINCE YESTERDAY
						5m 0346			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/23/2011  
 Survey Transect #: AL-23-02  
 Surveyors: ANDY SMITH  
 AMY PADDATUNPONG  
 Surveyor Signatures: *Andy Smith*  
*Amy Paddatunpong*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high	
119/120 L	N 30.22910 E -81.97535	237	10:26	SAME	WRACK	303788	SB	YES	Notes	
						1m 0347				SKIN BONES + FEATHERS. AGED, TAIL + WINGS STILL PRESENT. SOME FLESH? MAGGOTS, ANTS + CRABS
						5m 0348				
118/117 L	N 30.23032 E -81.96053	1672	10:53	SAME	WRACK	1m 0351	PR+OR	YES	NO OBVIOUS LARGE HOLES BUT PECTORALS + ORGANS APPEAR TO BE MISSING. MAGGOTS + ANTS.	
						5m 0352				
						25m X				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/23/2011  
 Surveyors: ANDY SMITH, AMY POOPATANAPONG  
 Surveyor Signatures: Andy Smith, Amy Poopatarnong

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
89/ 90 M	N 30.22970 E -87.96835	4970	10:39	SAME	LOW	1m 0349	SB	YES	LITTLE CHANGE SINCE YESTERDAY.
						5m 0350			
						25m X			
51/ 82 S	N 30.22460 E -88.00954	971	11:17		UPPER	1m 0353	SB	YES	NO CHANGE. TWO WINGS + RIB CAGE.
						5m 0354			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact; equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011  
 Surveyors: ANDY SMITH  
 Survey Transect #: AL-08-04  
 Surveyor Signatures: *Andy Pospatanarak*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
89/90 M	N30.22970 E-87.96835	4770	10:53	SAME	LOW	303788	SB	YES	rising, <u>falling</u> , slack low, slack high
						1m 0370			
						5m 0371			
51/82 S	N30.22459 E-88.00952	971	11:27	SAME	UPPER	1m 0374	SB	YES	2 WINGS + A RIB CAGE. NO CHANGE FROM YESTERDAY.
						5m 0375			
						25m X			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: Andy Smith Amy Poopatampong			
Survey Transect #: AL-07-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
251 2L M	N30.24873 E88.20034	267	07:26	SAME	LOW	BO3788	SB	YES	NO CHANGE. BEETLES + CRAB HOLES.
						1m 0359			
						5m 0360			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

\* SAW A BANNED WILSON'S PLOVER NEAR BIRD 25/26. HAD ORANGE OR YELLOW ON RIGHT LEG AND RED ON THE LEFT.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011  
 Surveyors: AMY SMITH  
 Surveyor Signatures: Amy Popertanapora

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
103/104 L	N30.24663 E-88.08026	1584	0817	SAME	UPPER	1m 0362	SB	YES	rising (falling, slack low, slack high) HEAD, WINGS, TAIL REMAIN. MAYBE SOME FLESH. OTHERWISE PICKED CLEAN. ANTS, FLIES + GRABS.
						5m 0363			
						25m X			
106/105 L	N30.24666 E-88.07980	1626	08:23	SAME	UPPER	1m 0364	SB	YES	HEAD, WINGS, TAIL REMAIN. LITTLE IF ANY FLESH LEFT.
						5m 0365			
						25m X			
64/63 M	N30.24666 E-88.07750	1852	08:30	SAME	WRACK	1m 0366	SB	YES	SAME AS YESTERDAY.
						5m 0367			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

\*INJURED NORTHERN GANNET OBSERVED ~ 35m SE OF BIRD #106/105. PHOTO # 0361. DID NOT APPEAR OILED. CAN STAND BUT DID NOT FLY WHEN APPROXIMATED WITHIN ~ 7m.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011  
 Survey Transect #: AL-23-02  
 Surveyors: AMY SMITH  
 AMY PODPATANPONG  
 Surveyor Signatures: [Signatures]

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
119/120 L	N30.22910 E-87.97535	237	10:40	SAME	WRACK	B03788	SB	YES	NO CHANGE.
						1m 0368			
						5m 0369			
118/117 L	N30.23032 E-87.96553	1672	11:00	SAME	WRACK	1m 0372	ORTPR	YES	LARGE HOLE IN DORSAL ABDOMEN. MITIGATED. SOME FLESH REMAINS; STILL JUICY, SOME ORGANS MAY REMAIN.
						5m 0373			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatanapong</i>			
Survey Transect # AL-23-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising <input checked="" type="radio"/> falling <input type="radio"/> slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
119- 120 L	N 30.22910 E - 87.97535	137	10:23	SAME	WRACK	1m 0389	SB	YES	LITTLE CRABBLE. BEETLES + FLIES
						5m 0390			
						25m X			
118/ 117 L	N 30.23032 E - 87.96053	1672	10:47	SAME	WRACK	1m 0393	OR+PR	YES	STILL JUICY. LOTS OF MAGGOTS. 2 CRAB HOLES. TRACE OF ORGANS MAY REMAIN SMELLY.
						5m 0394			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # <del>A1-23-02</del> A1-08-02		Dist. from	Time	GPS Location <sup>2</sup>	Position	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Transect Start (m)	(military format)	GPS Location <sup>2</sup> Today	Relative to Surf <sup>3</sup>	Photo(s) ID# <sup>4</sup>			Notes
89/90 M	N30.22970 E-87.96835	4970	10:34	SAME	LOW	1m 0391	SB	YES	BONES + FEATHERS
						5m 0392			
						25m X			
51/82 S	N30.22459 E-88.00952	971	11:20	SAME	UPPER	1m 0395	WING	YES	2 WINGS + SOME BONES.
						5m 0396			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011		Surveyors: ANDY SMITH AMY POOPATANAPONG				Surveyor Signatures: <i>Andy Smith</i> <i>Amy Poopatampong</i>					
Survey Transect #: AL-08-02		Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
								Photo(s) ID# <sup>4</sup>			Notes
103/ 104 L	N30.24663 E-88.08026	1554	08:25	SAME	UPPER	Camera: BOB788	1m 0382	SB	YES	POSS. TRACE OF FLESH REMAINS. OTHERWISE, SKIN, FEATHERS + BONE.	
							5m 0383				
							25m X				
106/ 105 L	N30.24666 E-88.01980	1626	08:31	SAME	UPPER	Camera: BOB788	1m 0384	SB	YES	MOVED ~ 20 CM FROM YESTERDAY • ORGANS, BEETLES. • POSS. TRACE OF FLESH, OTHERWISE SKIN, BONES + FEATHERS.	
							5m 0385				
							25m X				
64/ 63 M	N30.24664 E-88.07150	1852	<del>08:39</del> 08:39	N30.24666 E-88.07152 LWP = AL0802 64-63-1)	WRACK	Camera: BOB788	1m 0386/0387	SB	NO	MOVED ~ 6m W, LIKELY BY PEOPLE AS CARCASS HAS BEEN SKEWERED ON A STICK.	
							5m 0388				
							25m X				
						Camera: BOB788	1m				
							5m				
							25m				
						Camera: BOB788	1m				
							5m				
							25m				
						Camera: BOB788	1m				
							5m				
							25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011  
 Surveyors: ANDY SALITA, ANU POOPATANAPONG  
 Survey Transect #: AL-07-02  
 Surveyor Signatures: [Signatures]

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
25/ 26 M	N30.24813 E-88.20034	267	07:16	SAME	LOW	1m 0380	SB	YES	NO CHANCE
						5m 0381			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011		Surveyors: ANDY SMITH AMY POOSPATANAPONG				Surveyor Signatures: Andy Smith Amy Poopatapanong			
Survey Transect #: ML-08-04									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03788	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
51/82	AD N30.222 AS N30.22459 E-88.00952	971	08:46	SAME	LOW	1m 0409	SB	YES	rising, falling, slack low, slack high
						5m 0410			
						25m X			
89/90	N30.22970 E-87.96845	4970	09:24	SAME	UPPER	1m 0413	SB	YES	2 WINGS + A RIB CAGE.
						5m 0414			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011  
 Surveyors: AMY SMITH  
 Survey Transect #: AL-23-02  
 Surveyor Signatures: Amy Smith, Amy Papatampas

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high
191 120	N30.22910 E-87.97555	237	09:09	SAME	WRACK	303788	SB	YES	rising
						1m 0411			
						5m 0412			
118 117	N30.23032 E-87.96053	1672	09:41	SAME	WRACK	1m 0415	OR+PR	YES	falling
						5m 0416			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011		Surveyors: ANDY SMITH AMY POOPATANAPONGA			Surveyor Signatures: <i>[Signatures]</i>				
Survey Transect #: AL-07-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
25/ 26 M	N30.24813 E-88.20034	267	06:42	SAME	LOW	1m 0401	SB	YES	ENTIRE CARCASS REMAINS, EXCEPT TAIL. ALL FLESH APPEARS TO BE GONE. SKIN, BONES + FEATHERS ONLY.
						5m 0402			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011

Surveyors: ANDY SMITH  
KIM POOPATANAPONG

Surveyor Signatures: *[Signature]*  
*[Signature]*

Survey Transect # : AL-08<sub>13</sub>-02

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
103/104 L	N30.24663 E-88.08026	1584	07:27	SAME	UPPER	303788	SB	YES	<input checked="" type="radio"/> rising, <input type="radio"/> falling, <input type="radio"/> slack low, <input type="radio"/> slack high
						1m 0403			ENTIRE CARCASS BUT LITTLE LEFT TO NO FLESH REMAINS. DRY. BIG HOLES IN CHEST
						5m 0404			
106/105 L	N30.24666 E-88.07960	1626	07:30	SAME	UPPER	1m 0405	SB	YES	PLEASANT. LARGE HOLE IN SIDE. SOME FLESH REMAINS.
						5m 0406			
						25m X			
64/63	N30.24664 E-88.07150	1852	07:35	SAME	WRACK	1m 0407	SB	YES	LITTLE TO NO FLESH. LARGE HOLES.
						5m 0408			
						25m X			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011  
 Survey Transect # LA-644-01  
 Surveyors: Kim Chancey, Veronica Varela, Clemon Ford  
 Surveyor Signatures: *[Handwritten signatures]*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
07/98 M	-	792	1634	29.06429 -90.33348 #433	LOW	1m 29 5m 30 25m 31	Int.	Yes	Initial placement. (no block) Photo taken facing east.
34/35 L	-	1116	1653	29.06493 -90.32918 #434	LOW	1m 32 5m 33 25m 34	Int.	Yes	Initial placement (no block) Photo taken facing east.
						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing; no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Kim Chancey RGLER/H FGD Veronica Varela			Surveyor Signatures: <i>[Signatures]</i> Veronica W. Varela						
Survey Transect # LA-643-C		Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B 03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
								Photo(s) ID# <sup>4</sup>			Notes
100/125 S	—	201	1411	29.06167 -90.44657 #428	UPPER	1m 17 5m 18 25m 19	Int.	Yes	Initial placement. Photos taken facing west.		
95/96 M	—	315	1424	29.06098 -90.44738 #429	WRACK	1m 20 5m 21 25m 22	Int.	Yes	Initial placement. Photos taken facing north.		
32/33 L	—	723	1439	29.05948 -90.45135 #430	UPPER	1m 23 5m 24 25m 25	Int.	Yes	Initial placement. Photos taken facing east.		
41/40 L	—	1464	1455	29.05906 -90.45948 #431	LOW	1m 26 5m 27 25m 28	Int.	Yes	Initial Placement. Photos taken facing east.		
						1m 5m 25m					
						1m 5m 25m					

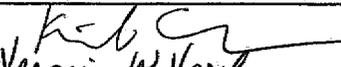
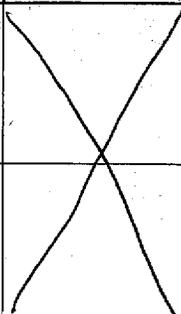
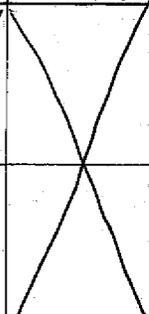
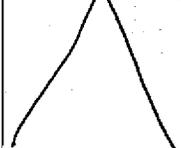
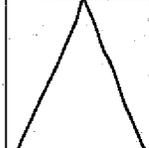
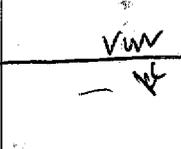
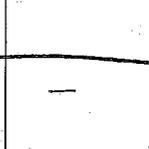
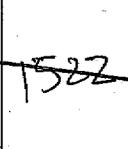
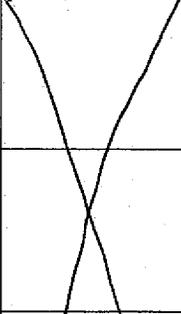
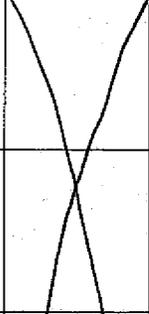
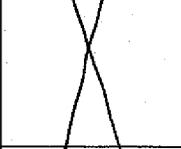
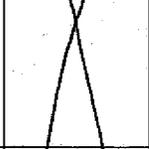
<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Kimberly Chaney Caren Varela Veronica Varela				Surveyor Signatures:			
Survey Transect # LA-642-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					BP3700			rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
110/11 S	—	96m	1112	29.08855 -90.54589 #422	WRACK	1m 5 5m 6 25m 7	Int.	Yes	Initial placement. Photos taken, facing westward. Looking towards transect origin.
38/39 L	—	103m	1131	29.08849 -90.54581 #423	LOW	1m 8 5m 9 25m 10	Int.	Yes	Initial placement. Photos taken facing down beach, parallel to water (on left). (Same as above).
84/83 M	—	964m	1153	29.08331 -90.53925 #424	WRACK	1m 11 5m 12 25m 13	Int.	Yes	" Same as Above "
118/119 S	—	1991	1217	29.07825 -90.53039 #425	LOW	1m 14 5m 15 25m 16	Int.	Yes	" Same as Above "
						1m 5m 25m			
						1m 5m 25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Kim Chmcey Veronica Varela				Surveyor Signatures:  Veronica W. Varela					
Survey Transect # LA-642-01		Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
								Photo(s) ID# <sup>4</sup>			Notes
		38/39 L			1425	29.08854 -90.54581 #437	WRACK	1m 49	Int.	Yes Moved	
								5m 50			
								25m			
		110/11			1429	29.08851 -90.54584 #438	WRACK	1m 51	SB	Yes Moved	
								5m 52			
								25m			
					1522	29.07801 -90.52969	UPPER	1m 53	WING		Wing found w/o bands, but appears to be from carcass 118/119
								5m 54			
								25m			
		118/119			1531	NA	WRACK	1m 55	vuv Miss. Later found see below	Yes	* This is the block. See note on wing found above. Feathers around it + up and down the beach.
								5m			
								25m			
		118/119 S			1545	29.08145 -90.53648 #439	LOW	1m 56	SB	Yes Moved	689m east from block. No evidence of tracks, but likely washed out by waves. This is birds
								5m 57			
								25m 58			
		84/83			1607	NA	WRACK	1m 59	Miss.	Yes Moved	Moved 68m NNW from original location
								5m			
								25m			

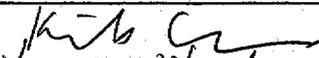
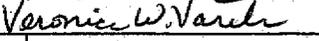
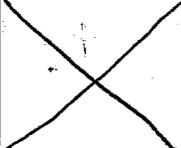
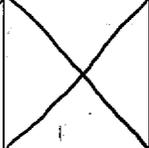
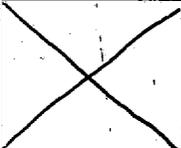
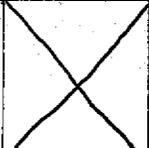
<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Kim Chance / Veronica Varela				Surveyor Signatures: <i>Kim Chance</i> <i>Veronica W. Varela</i>			
Survey Transect # LA-643-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
41/40 L	X	X	1215	Same.	LOW	1m 41 5m 42 25m	Int.	Y	
32/33 L	X	X	1239	Same	UPPER	1m 43 5m 44 25m	SB	Y	Surrounded by crab tracks + holes and some coon tracks a meter or two away.
05/06	X	X	1253	29.06101 -90.44735 #436	WRACK	1m 45 5m 46 25m	Dist. <del>SB</del>	Y Moved	No tracks
100/125	X	X	1305	Same.	UPPER	1m 47 5m 48 25m	Dist.	Y	Crab <del>hole</del> hole beneath it.
						1m 5m 25m			
						1m 5m 25m			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Kim Chancey Veronica Varela			Surveyor Signatures:  				
Survey Transect # LA-644-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
97/98			1052	NA	NA	B03700	Miss.	Y; Moved	rising, (falling) slack low, slack high * Block has moved (3m inland, NNE) No visible tracks. Actual study block laid out for visible ref. in photos 38 and 39. * visible tracks = survey team tracks.
						1m 39*			
						5m 40*			
34/35 L			1030	29.06500 -90.32923 #435	UPPER*	1m 35	Int.	N	Ants present; * possibly beyond search zone. (MOVED) - within 12m of carcass, canine tracks present (coyote, fox...). Pic. #38 - track for where bird was originally.
						5m 36			
						25m 37* bird not visible			
						1m			Animal tracks on beaches limited due to recent high tides.
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

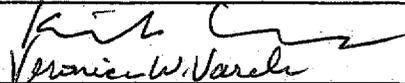
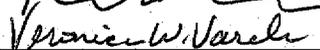
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

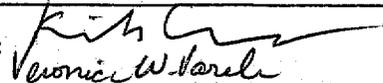
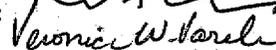
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  			
Survey Transect # LA-642-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
38/39 L	29.08854 -90.54581 WP# 437	<del>X</del>	1325	Same as Yesterday	WRACK	1m 71 5m 72 25m	Int.	Yes	
110/11	29.08859 -90.54584 # 438		1322	Same as Yesterday	WRACK	1m 69 5m 70 25m	SB	Yes	
118/119 S	29.08145 -90.53648 # 439		1345	29.08173 -90.53699 #440	LOW	1m <del>73</del> <sup>vw</sup> 5m <del>74</del> <sup>vw</sup> 25m 75	SB	No	
84/83						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			

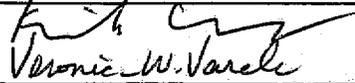
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Date (mm/dd/yyyy): 06/14/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  			
Survey Transect # 6 <sup>th</sup> LA-643-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
41/40 L	on placement day 29.05906 -90.45948 WP # 431	X	1130	Same as Yesterday	WRACK	1m 62 5m 63 25m	Int.	Yes	Crab hole near carcass.
32/33 L	on placement day 29.05948 -90.45135 # 430		1144	Same as Yesterday	UPPER	1m 64 5m 65 25m	SB	Yes	Saw crab scavenging on carcass.
95/96	29.06101 -90.44735 # 436		1154	N/A	UPPER	1m 66 5m 25m	Miss.	Yes	
100/125	on placement day 29.06167 -90.44657 # 428		1158	Same as Yesterday	UPPER	1m 67 5m 68 25m	SB	Yes	Decapitated, attached by tissue only.
							1m 5m 25m		
						1m 5m 25m			

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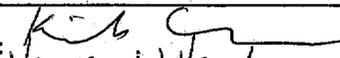
Date (mm/dd/yyyy): 06/14/2011		Surveyors: Kim Chaney Veronica Varela				Surveyor Signatures:  Veronica W. Varela			
Survey Transect # LA-644-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
<del>97/98</del>	<del>VWV</del>					1m			
						5m			
						25m			
34/35 L	29.06500 -90.32923 wp# 435	X	0958	Same as Yesterday	UPPER	1m 60	Int.	NO	Ants present.
						5m 61			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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Date (mm/dd/yyyy): 06/15/2011			Surveyors: Kim Chaney Veronica Varela				Surveyor Signatures: <i>[Signatures]</i> Veronica W. Varela		
Survey Transect # LA-642-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
38/39 L	29.08854 -90.54581 WP #437	X	1243	Same as Yesterday	WRACK	1m 86 5m 87 25m	Int.	Yes Moved	
110/11	29.08854 -90.54584 WP #438		1241	Same location as <del>38/39</del> KC Yesterday	UPPER	1m 84 5m 85 25m	SB	Yes	Half-buried by crab activity.
118/119 S	29.08145 -90.53648 WP #439		1312 <del>1243</del> <sup>KC</sup> <sub>VWV</sub>	NA Same as <sup>VWV</sup> Yesterday <sup>KC</sup>	NA <sup>KC</sup> UPPER WRACK	1m <del>86</del> <sup>VWV KC</sup> 88 5m <del>87</del> <sup>VWV KC</sup> 25m	Miss. Int. <sup>VWV</sup> KC	Yes, moved Yes <sup>VWV</sup> Moved <sup>KC</sup>	
						1m 5m 25m			Side Note: waypoint #441 Block for 29.08127 bird 118/119, -90.53607 but unsure of block's location previous day
						1m 5m 25m			but appears to be very close to 06/13/2011 location (waypoint #439 29.08145 -90.53648)
						1m 5m 25m			

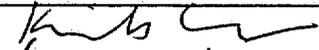
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Survey Transect # LA-643-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
41/40 L	29.05906 -90.45948  WP # 431	X	1102	Same as Yesterday	WRACK	1m 78 5m 79 25m	Int.	Yes	Crab hole + crabs present.
32/33 L	29.05948 -90.45135  WP # 430		1115	Same as Yesterday	UPPER	1m 80 5m 81 25m	SB	Yes	
100/125	29.06167 -90.44657  WP # 428		1125	Same as Yesterday	UPPER	1m 82 5m 83 25m	SB	Yes	Head and wings remain, connected by bone & dried tissue. -windy, possibility carcass will be blown away soon
95/96							1m 5m 25m		
						1m 5m 25m			
						1m 5m 25m			

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						Photo(s) ID# <sup>4</sup>			Notes
34/35 L	29.06500 -90.32923  WP# 435	X	0950	Same as Yesterday.	WRACK	1m 76 5m 77 25m	Int.	No	Covered in ants; ants possibly remaining internal organs, but exterior is intact
						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

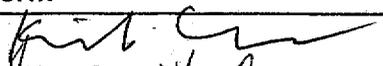
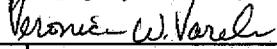
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

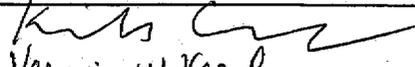
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  			
Survey Transect # LA-642-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
38/39 L	29.08854 -90.54581 WP# 437	<del>X</del>	1237	Same as Yesterday	UPPER	1m 99	SB	Yes	
						5m 100			
110/11	29.08859 -90.54584 WP# 438	<del>X</del>	1239	Same as Yesterday	UPPER	1m 101	Int.	Yes	Slightly buried by crab activity. Infested with maggots
						5m 102			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  Veronica W. Varela			
Survey Transect # LA-643-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
41/40 L	29.05906 -90.45948  WP# 431	X	1101	Same position as Yesterday	UPPER	1m 93	Int.	Yes	
						5m 94			
						25m			
32/33 L	29.05948 -90.45135  WP# 430		1115	Same as Yesterday	UPPER	1m 95	SIB	Yes	
						5m 96			
						25m			
100/125	29.06167 -90.44657  WP# 428		1123	Same as Yesterday	UPPER	1m 97	SIB	Yes	
						5m 98			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form									
Date (mm/dd/yyyy): 06/18/2011			Surveyors: Kim Chancey Veronica Varela			Surveyor Signatures: 			
Survey Transect # LA-644-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03708			rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
34/35 L	29.06500 -90.32923	X	0936	29.06499 -90.32910 #442	UPPER	1m <del>89</del> 91 5m <del>90</del> 92 25m	SB**	No	**photo 90 is 2m away. ** wings, head and torso separated within 2m radius. photos 90 + 89 at original position
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

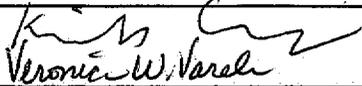
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  Veronica W. Varela			
Survey Transect # LA-642-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
38/39 L	29.08854 -90.54581 WP # 437	X	1224	Same as Yesterday	WRACK	1m 112	SB	Yes	
						5m 113			
						25m			
110/11 Xmv	29.08859 -90.54584 WP # 438	X	1225	Same as Yesterday	WRACK	1m 114	Dist.	No <sup>vuv</sup> Yes	Organs likely being eaten by maggots
						5m 115			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: Kim Chancey Veronica Varela			Surveyor Signatures:  Veronica W. Varela				
Survey Transect # LA-643-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03704	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
41/40 L	29.05906 -90.45948  WP# 431	X	1045	Same as Yesterday	LOW	1m 106	Int. <sup>Yes</sup> Dist.	Yes	
						5m 107			
						25m			
32/33 L	29.05948 -90.45135  WP# 430	X	1058	Same as Yesterday	UPPER	1m 108	SB	Yes	
						5m 109			
						25m			
100/125	29.06167 -90.44657  WP# 428	X	1108	Same as Yesterday	UPPER	1m 110	Wings	Yes	Keel and wings remain
						5m 111			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: Kim Chancey Veronica Varela			Surveyor Signatures:  Veronica W. Varela				
Survey Transect # LA-644-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
34/35 L	<del>29.06500 vvv</del> <del>29.32923 vvv</del> 29.06499 -90.32916 WP #442	X	0939	Same as Yesterday	UPPER	B03708	SB	No	Two wings, head and torso, still all present, but separate
						1m 103			
						5m 104 and 105			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

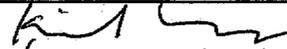
<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude: WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # LA-642-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
38/39 L	29.08854 -90.54581 WP# 437	X	406 KCMV 1241	Same as yesterday WRACK	WRACK	1m #15, #16, #17	Dist.	Yes	
						5m #18, #19			
						25m			
110/11	29.08859 -90.54584 WP# 438	X	1258	Same as yesterday	WRACK	1m 124	SB	Yes Moved	Block moved beyond tide line
						5m 123			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  Veronica W. Varela			
Survey Transect # LA-643-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03708	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
41/40 L	29.05906 -90.45948 WP# 431	<del>X</del>	1106	Same as Yesterday	UPPER	1m 118	Dist.	Yes	
						5m 119			
						25m			
32/33 L	29.05948 -90.45135 WP# 430	<del>X</del>	1119	Same as Yesterday	UPPER	1m 120	SB	Yes	Partially buried
						5m 121			
						25m			
100/125	29.06167 -90.44657 WP# 428	<del>X</del>	1128	Same as Yesterday	UPPER	1m 122	WINGS	Yes	Wings are separated now
						5m 123			
						25m			
		<del>X</del>				1m			
						5m			
						25m			
		<del>X</del>				1m			
						5m			
						25m			
		<del>X</del>				1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures: <i>[Signature]</i> <i>Veronica W. Varela</i>			
Survey Transect # LA-644-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03700			Photo(s) ID# <sup>4</sup>
Notes									
34/35 L	29.06499 -90.32916 wp# 442		0944	Same as Yesterday	UPPER	1m 116	SB	No	Wings, head, torso 'pieces' still present. Photo # 117, likely view of scene workers/searchers would have.
						5m 117			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures: <i>Kim Chancey</i> <i>Veronica W. Varela</i>			
Survey Transect # LA-642-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
38/39 L	29.08854 -90.54581 WP# 437	X	1215	Same as yesterday	UPPER	1m 138	Dist.	Yes	Maggot consuming insides.
						5m 139			
						25m			
110/11	29.08859 -90.54584 WP# 438	X	1213	Same as yesterday	UPPER	1m 136	SB	Yes	Head missing.
						5m 137			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

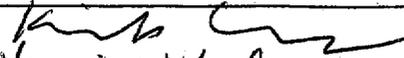
<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures: <i>Kim Chancey</i> <i>Veronica W. Varela</i>			
Survey Transect # LA-643-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: BOSTOP	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <del>falling</del> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
41/40 L	29.05906 -90.45948 wp# 431	X	1047	Same as yesterday	UPPER	1m 130	Dist.	Yes	Maggots present; organs likely being consumed.
						5m 131			
						25m			
32/33 L	29.05948 -90.45135 wp# 430	X	1101	Same as yesterday	UPPER	1m 132	SB	Yes	Further buried.
						5m 133			
						25m			
100/125	29.06167 -90.44657 wp# 428	X	1109	Same as yesterday	UPPER	1m 134	Wings	Yes	Both wings still present (separated)
						5m 135			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			

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Date (mm/dd/yyyy): 06/19/2011		Surveyors: Kim Chancel Veronica Varela				Surveyor Signatures:  			
Survey Transect # LA-644-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
34/35 L KC VVV	<del>                    </del>	<del>                    </del>	0937	Same as yesterday	UPPER	1m 128	Wings	No	Wings, torso, head still remain.
						5m 129			
						25m			
29.06499 -90.32916 wp #442						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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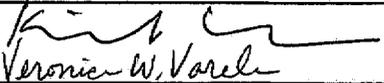
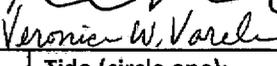
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form									
Date (mm/dd/yyyy): 06/20/2011		Surveyors: Kim Chancey Veronica Varela			Surveyor Signatures:  				
Survey Transect # LA-642-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
38/39 L	29.08854 -90.54581 WP# 437	X	1153	Same location as 06/19/2011	UPPER	1m   48	SB	Yes	
						5m   49			
						25m			
110/11	29.08854 -90.54584 WP# 438	X	1154	Same location as 06/19/2011	UPPER	1m   50	SB	Yes	Organs removed. Rib-cage and bones visible underneath
						5m   51			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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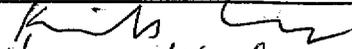
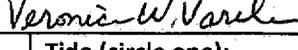
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form									
Date (mm/dd/yyyy): <del>06/20/2011</del> <sup>KC</sup> <del>06/20/2011</del> <sup>VN</sup>		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  			
Survey Transect # LA-643-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
41/40 L	29.05906 -90.45948 WP # 431	X	1015	29.05909 -90.45946 #443	UPPER	1m 142	Dist.	No	Carcass moved to the top/edge of the sand bluff. Wave action? Predator? 3ft. above beach/waterline. Block may be buried by newly deposited wrack.
						5m 143			
						25m			
32/33 L	29.05948 -90.45135 WP # 430	X	1035	Same location as 06/19/2011	UPPER	1m 144	SB	Yes	
						5m 145			
						25m			
100/125	29.06167 -90.44657 WP # 428	X	1045	Same location as 06/19/2011	UPPER	1m 146	Wings	Yes	Both wings still accounted for, though separated by a longer distance (~1m)
						5m 147			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			

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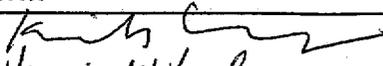
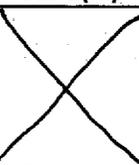
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

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Date (mm/dd/yyyy): <sup>KC VVV</sup> 06/23/2011			Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  Veronica W. Varela			
Survey Transect # LA-644-01										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high	
34/35 L	29.06499 -90.32916 WP # 442		0915	Same Position <sup>95</sup> 06/19/2011	UPPER	B03700	Wings/SB	No	Notes	
						1m 140				Wings, head and torso still remain. Torso has been reduced to SB.
						5m 141				
25m										
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

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Date (mm/dd/yyyy): 06/24/2011			Surveyors: Kim Chaney Veronica Varela			Surveyor Signatures: <i>Kim Chaney</i> <i>Veronica W. Varela</i>			
Survey Transect # LA-642-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, <u>slack low</u> , slack high
38/39 L	29.08854 -90.54581 WP# 437	X	1200	Same as 06/23/11	UPPER	1m 160	SB	Yes	Partially buried.
						5m 161			
						25m			
110/11	29.08859 -90.54584 WP# 438	X	1201	Same as 06/23/11	UPPER	1m 162	SB	Yes	<del>Decapitated</del> <i>Decapitated</i>
						5m 163			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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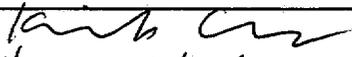
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

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Survey Transect # LA-643-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						803700			Photo(s) ID# <sup>4</sup>
Notes									
41/40 L	29.05909 -90.45946 WP #443	X	1026	Same as 06/23/11	UPPER	1m 154 5m 155 25m	Dist.	No	Maggots likely consuming innards.
32/33 L	29.05948 -90.45135 WP #430		1040	Same as 06/23/11	UPPER	1m 156 5m 157 25m	SB	Yes	One wing and some breast feathers poking up from sand now.
100/125	29.06167 -90.44657 WP #428		1052	Same as 06/23/11	UPPER	1m 158 5m 159 25m	Wings	Yes	Pair of wings still present. One moved a meter from its last/previous location.
						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			

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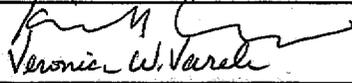
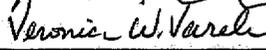
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

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<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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Survey Transect # LA-644-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, <u>slack low</u> , slack high
Notes									
34/35 L	29.06499 -90.32916 WP # 442	X	0922	Same as 06/23/11	UPPER	B03700	SB	No	All pieces still present; further reduced to bones + feathers.
						1m 152			
						5m 153			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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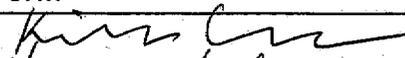
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011		Surveyors: Kim Chancey Veronica Varela				Surveyor Signatures:  Veronica W. Varela					
Survey Transect # LA-642-01		Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
								Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high
38/39 L	29.08854 -90.54581 WP # 437	X	1215	Same as Yesterday	UPPER	B03700	1m 172	SB	Yes	Maggots consuming almost all remaining remains Carcass retrieved	
							5m 173				
110/11	29.08859 -90.54584 WD # 438	X	1217	Same as Yesterday	UPPER	VVV KC 1m 174 VVV KC 5m 175	1m 174	SB KC VVV	Yes	Carcass retrieved.	
							5m 175				
							1m				
							5m				
							25m				
							1m				
							5m				
							25m				
							1m				
							5m				
							25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011		Surveyors: Kim Chancey Veronica Varela			Surveyor Signatures: <i>Kim Chancey</i> <i>Veronica W. Varela</i>				
Survey Transect # LA-643-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03700	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
41/40 L	29.05909 -90.45946 WP# 443	X	1123	Same as Yesterday	UPPER	1m 170	SB	No	Organs mostly consumed by maggots. Carcass retrieved
						5m 171			
						25m			
32/33 L	29.05948 -90.45135 WP# 430	X	1105	Same as Yesterday	UPPER	1m 168	SB	Yes	Carcass retrieved
						5m 169			
						25m			
100/125	29.06167 -90.44657 WP# 428	X	1052	Same as Yesterday	UPPER?	1m 166	WINGS	Yes	Carcass retrieved
						5m 167			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			
		X				1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011		Surveyors: Kim Chancey Veronica Varela			Surveyor Signatures: <i>Kim Chancey</i> <i>Veronica W. Varela</i>				
Survey Transect # LA-644-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
34/35 L	29.06499 -90.32916 WP# 442		0924	Same as Yesterday	UPPER	B03700	SB	No	All pieces (wings, torso, head) still accounted for. Carcass retrieved.
						1m 164			
						5m 165			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/23/2011

Surveyors: Ron Goddard  
Allen Stewart

Surveyor Signatures: *Allen Stewart Ron Goddard*

Survey Transect # MS1303

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03033			rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
53/ 54	30.20788	738	09:20	Same	upper	1m 155	PG x Head & neck bones only	NO	Carcass moved (washed) ~ 6-12" lower, otherwise unchanged from previous day
	5m 156								
	25m 154 x								
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP. MS 1303. 16 Peggy Guntton Peggy Guntton 7/2/12  
X = extra unlabeled photos

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011

Surveyors: Allen Stewart

Surveyor Signatures: Ron Goddard Allen Stewart

Survey Transect # MS 1303

Surveyors: Ron Goddard

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BD3033			rising, (falling) slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
53/ 54	30.20788 88.95868	738	08:30	Same	upper	1m 158	PG * Head & neck bones only	NO	Carcass (Head + neck) washed ~6" to the west of yesterday's position otherwise unchanged
						5m 159			
						25m 157x			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP. MS1303. 17

X = extra unlabeled photos

Peggy Guyton Peggy Guyton

7/3/12

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06-25-2011

Surveyors: Allen Stewart  
Ron Goddard

Surveyor Signatures:

*Allen Stewart*  
*Ron Goddard*

Survey Transect # MS 13-03

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03033			rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
53 54	30.20826	738	0:34	Same	upper	1m 160	PG	NO	Head and neck bones only. Unmoved by tide. Unchanged from 6-24
	5m 161								
	25m 162 X								
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

X = extra unlabeled photos

BSE-CR. MS1303. 18 Peggy Guyton

*Peggy Guyton*  
7/3/12

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06-26-2011

Surveyors: Brian Reilly, Douglas Kibbe, [Signature]

Surveyor Signatures: Allen Stewart, [Signature]

Survey Transect # MS 1303

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera <sup>4</sup>	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03033			rising, (falling) slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
53 / 54	30.20826	738	0826	Same	upper	1m 163	PG Head only	No Refound 25m West	Unchanged from yesterday head and neck bones only undisturbed
	5m 164								
	25m X								
Naturally beached Binds Found Today						1m 165	All Found within	~ 20m	
<u>Not</u> part of study Binds						1m 166			
						1m 167			
Begin position of found Binds →						1m 168	within 1m of each other		
N 30.20771 W 88.96644						1m 169			
						1m 170			
End position of Binds →						1m 171	single bird, has been present previous 4 days		
N 30.20985 W 88.96866						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (Intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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BSE-CP.MS1303.19

Peggy Guyton Peggy Guyton

7/3/12

30, 22497 88, 62346 Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011

Survey Transect # MS0601

Surveyors: Ron Goddard GLENNA FORD

Surveyor Signatures: Ron Goddard GLENNA FORD

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BO3033			Photo(s) ID# <sup>4</sup>
Notes									
102 103	NA	126	14:14	30, 22486 88.62218	WRACK	1m 22	Int.	yes	placement day
						5m 23			
						25m 24			
121 122	NA	1290	14:36	30, 22317 88.61022	LOW	1m 25	Int.	yes	placement day
						5m 26			
						25m 27			
						1m			
						5m			
						25m			
						1m			85/86 AND 61/62 NOT SET DUE TO TMS REQUEST
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

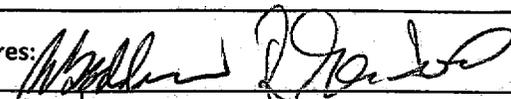
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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BSE-CP. MS0601.1

Peggy Guyton Peggy Guyton 7/2/12

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form													
30.20774 88.96634								Date (mm/dd/yyyy): 06-15-2011		Surveyors: Ron Goddard Glenn Ford		Surveyor Signatures: 	
Survey Transect # MS1303													
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: BD 3033		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high		Notes	
						Photo(s) ID# <sup>4</sup>							
45/46	NA	471	12:28	30.20786 <sup>②</sup> 88.96185	Wrack	1m	4	Int.	yes		placement day		
						5m	5						
						25m	6						
108/109	NA	580	12:39	30.20788 <sup>③</sup> 88.96030	Low	1m	7	Int.	yes		placement day		
						5m	8						
						25m	9						
6/5	NA	669	12:55	30.20779 <sup>④</sup> 88.95939	<del>WRACK</del> LOW	1m	10	Int.	yes		placement day		
						5m	11						
						25m	12						
121/120	NA	735	13:05	30.20786 <sup>⑤</sup> 88.95831	Wrack	1m	13	Int.	yes		placement day		
						5m	14						
						25m	15						
53/54	NA	738	13:15	30.20788 <sup>⑥</sup> 88.95868	UPPER	1m	16	Int.	yes		placement day		
						5m	17						
						25m	18						
29/28	NA	1032	13:31	30.21011 <sup>⑦</sup> 88.95327	LOW	1m	19	Int.	yes		placement day		
						5m	20						
						25m	21						

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✓ BSE-CP. MS1303.2 Peggy Guyton Peggy Guyton 7/2/12

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: Allen Stewart Ron Goddard Glenn Ford				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # MS1303		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03033	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
45 46	30.20786 88.96145	471	12:54	Same	WRACK	1m 108	OR	NO	Block was lost shortly after deployment under the bird.
						5m 109			
						25m 110 *			
108 109	30.20788 88.96030	580	13:15	Same	Low	1m 111	WING	YES	Block was moved to bird's new location 4-5 m east of set site
						5m 112			
						25m 113 *			
53 54	30.20788 88.95918	738	13:44	Same	UPPER	1m 115	SB	NO	Block was recovered & replaced under bird which moved 2m east.
						5m 116			
						25m 117 *			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP. MS1303. 8

Peggy Guyton Peggy Guyton 7/3/12

\* = extra unlabeled photos

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011

Surveyors: Allen Stewart

Surveyor Signatures: *[Handwritten signatures]*

Survey Transect # MS 0601

*Ron Goddard*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						B03033			rising, <del>falling</del> , slack low, slack high	
						Photo(s) ID# <sup>4</sup>				
85	30.22372	1001	08:35	same	Low	1m 118	MISSING	YES	<input checked="" type="radio"/>	Block largely covered w/ sand, but not moved. Lots of crab tracks.
86	88.61318					5m 119				
						25m 120 X				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP. MS 0601.10  
 X = extra unlabeled photos  
 Peggy Guyton Peggy Guyton 7/3/12

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011

Surveyors: Allen Stewart  
Ron Goddard

Surveyor Signatures: *[Signatures]*

Survey Transect # MS1303

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03033			rising, <del>rising</del> slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
45/46	30.20786 88.96185	471	08:50	SAME	wrack	1m 130	SB	Yes	Much Crab action.
						5m 131			
						25m 132 x			
53/54	30.20788 88.95868	738	09:10	SAME	upper	1m 133	SB	Yes	undisturbed, some debris on and around carcass.
						5m 134			
						25m 135 x			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP. MS 1303. 12. Peggy Guyton Peggy Guyton 7/3/12

x = extra unlabeled photos

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011		Surveyors: Allen Stewart Ron Goddard				Surveyor Signatures: Ron Goddard Allen Stewart			
Survey Transect # MS 1303									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03033	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			(rising) falling, slack low, slack high
Notes									
45 / 46	30.20786 88.96185	471	09:24	SAME	WRACK	1m 136	SB	Yes	Green marking band is still intact & connected (carcass) Cont.
						5m 137			
						25m 138 x			
53 / 54	30.20788 88.95868	738	09:34	Same	UPPER	1m 139	SB	Yes	Carcass fully intact and undisturbed from previous day.
						5m 140			
						25m 141 x			
						1m			Park ranger informed us a tourist removed one tag from this bird and turned it in to them yesterday. We saw no disturbance around bird today a ghost crab had built a burrow underneath the edge of remains. Tag retrieved but not replaced on bird.
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP. MS1303. 13 Peggy Guyton Peggy Guyton 7/3/12  
X=extra unlabeled photos

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: Allen Stewart Ron Goddard				Surveyor Signatures: Ron Goddard Allen Stewart			
Survey Transect # MS1303									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03033	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			(rising) falling, slack low, slack high
45/46	30.20786 88.96185	471	9:43	same	wrack	1m 142	PG/wing	yes	Notes
						5m 143			
						25m 144 x			
53/54	30.20788 88.95868	738	9:55	same	upper	1m 145	SB	yes	Notes
						5m 146			
						25m 147 x			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.BSE-CP. MS1301.14 Peggy Guyton Peggy Guyton  
X = extra unlabeled photos

7/3/12

## 30.20774 88.96634 Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011

Surveyors: Allen Stewart  
Ron Coddard CLENN FORD

Surveyor Signatures: [Signatures]

Survey Transect # MS 1303

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03033			Photo(s) ID# <sup>4</sup>
Notes									
45 46	30.20786 88.96685	471	12:16 <del>5:16</del>	Same	wrack	1m 74	OR	Yes	Crab and beetle action
						5m 75			
						25m 76 x			
108 109	30.20788 88.96030	580	12:25	30.20789 88.96014	Low	1m 80	SB	NO	Washed + refound
						5m 81			
						25m 82 x			
6 5	30.20779 88.95939	669	12:30	NA	Low	1m 83	MISS.	NO	carcass absent
						5m 84			
						25m 85 x			
121 120	30.20786 88.95831	735	12:40	NA	WRACK	1m 86	MISS.	NO	Mourning dove feathers + ghost crab tracks (see picture 89x)
						5m 87			
						25m 88 x			
53 54	30.20788 88.95868	738	12:44	30.20826 88.95717	upper	1m 90	PR	NO	Carcass absent
						5m 91			
						25m 92 x			
29 28	30.21011 88.95327	1032	13:04	NA	LOW	1m 93	MISS.	NO	Carcass absent
						5m 94			
						25m 95 x			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.BSE-CP; MS1303.4 Peggy Guyton Peggy Guyton 7/2/12  
X = unlabeled extra photos

Transect origin PBWP (12)

106

30.19833 88.45951		Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence				Form			
Date (mm/dd/yyyy): 06/15/2011		Surveyors: Ron Boddard [Signature]			Surf: [Signature]				
Survey Transect # MS 1305									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Block Present? <sup>6</sup>	Tide (circle one):	
						B03033		(falling, slack low, slack high)	
						Photo(s) ID#	Notes		
87/88	NA	106	16:00	30.19815 88.45845 (13)	Upper	1m 28	Int.	yes	placement day
						5m 29			
						25m 30			
97/98	NA	343	16:20	30.19809 88.45588 (14)	Wrack	1m 31	Int.	yes	placement day
						5m 32			
						25m 33			
<del>47/48</del>	<del>NA</del>	<del>396</del>	<del>16:35</del>	<del>30.19815 88.45845 (13)</del>	<del>Upper</del>	1m			Did not place bird because of NPS request
						5m			
						25m			
59/60	NA	643	16:49	30.19843 88.45283 (15)	Lower	1m 34 ✓	Int.	yes	placement day
						5m 35			
						25m 36			
65/66	NA	899	17:00	30.19855 88.45016 (16)	Upper	1m 37 ✓	Int.	yes	placement day
						5m 38			
						25m 39			
113/114	NA	1530	17:25	30.19916 88.44368 (17)	Wrack	1m 40 ✓	Int.	yes	placement day
						5m 41			
						25m 42			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP. MS1305.3 Peggy Guyton Peggy Guyton 7/2/12

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form										
30.19833 88.45951		Date (mm/dd/yyyy): 06/16/2011		Surveyors: Allen Stewart Ron Goddard CLENCH FERR			Surveyor Signatures: <i>Allen Stewart</i> <i>Ron Goddard</i>			
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: BD3033		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				(rising, falling, slack low, slack high)
Notes										
87/88	30.19815 88.45845	106	09:40	Same as yesterday	upper	1m	61	OR	Yes	Ghost Crab tracks found + crabs at bird
						5m	60			
						25m	59 x			
97/98	30.19809 88.45598	343	09:22	NA	wrack	1m	55	MISSING	NO	carcass absent
						5m	56			
						25m	57 x			
7/8 (35)	NA	396	09:12	30.19848 88.45273	wrack	1m	49	Int.	Yes	Placed today
						5m	50			
						25m	51			
59/60	30.19843 88.45283	643	09:04	NA	Low	1m	52	MISSING	NO	carcass absent
						5m	53			
						25m	54 x			
65/66	30.19855 88.45016	899	08:52	NA	upper	1m	46	MISSING	Yes	Raccoon tracks and ghost crab burrows + tracks
						5m	47			
						25m	48 x			
113/114	30.19914 88.44368	1530	08:30	NA	wrack	1m	43	MISSING	ND	Carcass absent
						5m	44			
						25m	45 x			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP.M51305.5 Peggy Guyton Peggy Guyton 7/3/12  
x = unlabeled photos

30.72497 88.62346 Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011

Surveyors: Ron Goddard Peggy Form Allen Stewart

Surveyor Signatures: Ron Goddard Peggy Form Allen Stewart

Survey Transect # MS0601

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03033			(rising, falling, slack low, slack high)
						Photo(s) ID# <sup>4</sup>	Notes		
102 103	30.22486 88.62218	<del>126</del> 126	10:39	NA	wrack	1m 62	MISSING	NO	
						5m 63			
						25m 64 x			
121 122	30.22317 88.61022	1290	10:59	NA	LOW	1m 68	MISSING	NO	carcass absent
						5m 69			
						25m 70 x			
61 62	NA	1338	11:10	30.22313 88.60969	wrack	1m 71	Int.	yes	Placed to day
						5m 72			
						25m 73			
96						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			85/86 NOT SET BECAUSE OF NPS REQUEST
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP.MS0601.6 Peggy Guyton Peggy Guyton 7/3/12  
x = extra unlabeled photos

Petit Bay

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: Allen Stewart Ronaldard Glenn Ford		Surveyor Signatures: <i>Allen Stewart</i>					
Survey Transect # MS1305									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03033	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
87/88	30.19815 88.45845	106	09:01	Same	Upper	1m 96	Missing	YES	MUCH crab action Block was chewed on edge. Raccoon tracks nearby
						5m 97			
						25m 98 x			
7/8	30.19848 88.45273	396	09:17	NA Same AS	wrack	1m 99	Missing	NO	carcass absent
						5m 100			
						25m 101 x			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.BSE - CP. MS 1305.7 Peggy Guyton Peggy Guyton 7/3/12  
X = extra untabled photos

HORN

110

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: Allen Stewart Ron Goddard Glenn Ford				Surveyor Signatures: <i>Allen Stewart</i> <i>Ron Goddard</i>			
Survey Transect # MS0601		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03033	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
85/ 86	Put out today	1001	10:59	30.22372 88.6138	LOW	1m 102 5m 103 25m 104	Int.	yes	Set as per NPS requests
61/ 62	30.22313 88.60969	1338	11:15	NA	WRACK	1m 107 5m 106 25m 105x	MISSING	NO	carcass absent
						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to No scavenging). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP-MS0601.9

Peggy Guyton Peggy Guyton 7/3/12  
x = extra unlabeled photos

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011

Surveyors: Allen Stewart

Surveyor Signatures: Ron Coddard, Allen Stewart

Survey Transect # MS1303

Surveyors: Ron Coddard

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03033			rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
45 46	30.20786 88.96185	471	11:19	SAME	WRACK	1m 121	SB	NO	Block was found and replaced Bird is partially buried by ghost crabs.
						5m 122			
						25m 123 x			
108 109	30.20788 88.96030	580	11:25	NA	Low	1m 124	Missing	Yes	carcass absent
						5m 125			
						25m 126 x			
53 54	30.20788 88.95868	738	11:40	Same	Upper	1m 127	SB	Yes	Bird at water's edge now.
						5m 128			
						25m 129 x			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large.

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

BSE-CP. MS1303.11 Peggy Sue from Peggy Cuyton 7/3/12  
x = extra unlabeled photos

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/22/2011		Surveyors: Allen Stewart Ren Goddard			Surveyor Signatures: <i>Allen Stewart</i> <i>Ren Goddard</i>				
Survey Transect # MS 1303									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03033	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): (rising, falling, slack low, slack high)
						Photo(s) ID# <sup>4</sup>			Notes
45 46	30.20786 88.96185	471	8:30	—	wrack	1m 148	Missing	NO	Water had washed where carcass was located.
						5m 149			
						25m 150 x			
53 54	30.20788 88.95868	738	8:45	SAME	upper	1m 151	PG head + neck bones only	NO	Carcass remains in same spot. Head and neck bones are all that remains now.
						5m 152			
						25m 153 x			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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x = extra unlabeled photos BSE-CP, MS1303.15  
 PE999 Guyton Peggy Guyton  
 7/3/12

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Frank Sexton / Katrina <sup>POC</sup>		Surveyor Signatures: [Signature] / [Signature]					
Survey Transect # WFL-15-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
49-50 MED	NA	473	08:53	N 30.37998 W 86.85913	Wrack	003705	INTACT	YES	Rising T.B. 6/12/11
						1m 0001			
						5m 0002			
114-115 MED	NA	765	09:14	N 30.38048 W 86.85616	Wrack	003705	INTACT	YES	Rising T.B. 6/12/11
						1m 0004			
						5m 0005			
101-99 SMALL	NA	1221	09:33	N 30.38121 W 86.85150	Low	003705	INTACT	YES	
						1m 0007			
						5m 0008			
67-68 LARGE	NA	1410	09:55	N 30.38121 W 86.84988	Upper	003705	INTACT	YES	HAD TO MOVE LOCATION DUE TO MILITARY BASE PARAMETERS.
						1m 0010			
						5m 0011			
75-47 SMALL	NA	1430	10:02	N 30.38147 W 86.84927	6-12-11 Wrack	003705	INTACT	YES	HAD TO MOVE LOCATION DUE TO ELIGIN MILITARY BASE.
						1m 0013			
						5m 0014			
						25m 0012			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Frank Sexton/Catrina poez		Surveyor Signatures: <i>[Signatures]</i>					
Survey Transect # WFL-11-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			Photo(s) ID# <sup>4</sup>
53-54 Large	N/A	689	11:57 7.2	N30.33565 W87.1130)	Low	1m 0016	INTACT	YES	
						5m 0017			
						25m 0018			
67-70 Large	N/A	77 770	12:10	N30.33584 W87.11214	Wrack	1m 0019	INTACT	YES	
						5m 0020			
						25m 0021			
35-36 MED	N/A	1277	12:25	N30.3370 W87.10710	Upper	1m 0022	INTACT	YES	
						5m 0023			
						25m 0024			
47-48 MED	N/A	1816	12:38	N30.33806 W87.10165	Upper	1m 0025	INTACT	YES	
						5m 0026			
						25m 0027			
80-81 MED	N/A	1959	12:48	N30.33817 W87.10000	Wrack	1m 0028	INTACT	YES	
						5m 0029			
						25m 0030			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Frank Sexton / Katrina Paez				Surveyor Signatures: <i>[Handwritten Signatures]</i>			
Survey Transect # AC-26-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
115-116 Large	NA	379	15:16	N30.27710 W87.53492	UPPER	1m 0031 5m 0032 25m 0033	INTACT	YES	<input checked="" type="radio"/> rising, <input type="radio"/> falling, <input type="radio"/> slack low, <input type="radio"/> slack high
74-72 SMALL	NA	1247	15:37	N30.27865 W87.52611	WRACK	1m 0034 5m 0035 25m 0036	INTACT	YES	
1371 Large	NA	1479	15:47	N30.27902 W87.52376	LOW	1m 0037 5m 0038 25m 0039	INTACT	YES	
71-72 Large	NA	1518	15:53	N30.27909 W87.52343	WRACK	1m 0040 5m 0041 25m 0042	INTACT	YES	
124725 med	NA	1718	16:02	N30.27942 W87.52130	WRACK	1m 0043 5m 0044 25m 0045	INTACT	YES	
96-94 Small	NA	1977	16:12	N30.27979 W87.51871	WRACK	1m 0046 5m 0047 25m 0048	INTACT	YES	

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Frank Sexton, Catrina Paez			Surveyor Signatures: <i>[Signatures]</i>				
Survey Transect # WFL-15-07									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
49/50 M	N 30.37998 W 86.85913	X	08:34	N 30.37998 W 86.85913	Wrack	1m 0049	Dist.	Yes	Tracks leading away into nearby hole. Ants present.
						5m 0050			
						25m N/A			
114/115 M	N 30.38048 W 86.85616	X	08:52	N 30.38058 W 86.85615	Upper	1m 0052	Int.	Moved	Bird and block found at different location. May have been relocated by beach users. Ant on and around carcass.
						5m 0053			
						25m 0054			
101-99 L	N 30.38121 W 86.85150	X	09:05	N 30.38121 W 86.85150	CP 6/13/11 Lower Wrack	1m 0055	Dist.	Yes	Ants present. Head cavity disturbed.
						5m 0056			
						25m N/A			
67/68 L	N 30.38156 W 86.84958	X	09:14	N 30.38156 W 86.84958	Upper	1m 0057	Dist.	Yes	Ants, bees and flies present. Disturbed head cavity.
						5m 0058			
						25m N/A			
75/47 L	N 30.38147 W 86.84927	X	09:19	N/A	N/A	1m 0059	Miss.	Yes	Bird missing. Block in same location.
						5m 0060			
						25m N/A			
X						1m			
X						5m			
X						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-11-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BO3705			Photo(s) ID# <sup>4</sup>
53/54 L	N 30.33565 W 87.11301	<del>X</del>	10:33	N 30.33565 W 87.11301	Low	1m 0061	Int.	Yes	No visible tracks or sign of disturbance.
						5m 0062			
						25m N/A			
67/70 L	N 30.33584 W 87.11214	<del>X</del>	10:40	N 30.33576 W 87.11218	Wrack	1m 0063	Int.	Yes	Presence of small flying insects. Movement of bird and block within ~10m from original location.
						5m 0064			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	<del>X</del>	10:54	N 30.33701 W 87.10710	Upper	1m 0065	Int.	Yes	No visible disturbance.
						5m 0066			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	<del>X</del>	11:07	N 30.33806 W 87.10165	Upper	1m 0067	Int.	Yes	No disturbance besides partial covering by sand from crab digging hole.
						5m 0068			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	<del>X</del>	11:13	N 30.33827 W 87.10020	Wrack	1m 0069	Dist.	Yes	Disturbance in area of abdomen. Presence of small flies.
						5m 0070			
						25m N/A			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Frank Sexton, Catrina Perez				Surveyor Signatures: <i>[Signatures]</i>													
Survey Transect # AL-26-06		Dist. from Transect Start (m)		Time (military format)		GPS Location <sup>2</sup> Today		Position Relative to Surf <sup>3</sup>		Camera: B03705		Carcass State <sup>5</sup>		Block Present? <sup>6</sup>		Tide (circle one): rising, falling, slack low, slack high		Notes	
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day									Photo(s) ID# <sup>4</sup>									
115/116 L	N 30.27710 W 87.53492	X		13:53		N30.27710 W 87.53492		Upper		1m 0071 5m 0072 25m N/A		Int.		Yes		No visible disturbance. Some small flies present. Block seemed to be exposed previously.		Bird + block moved west of this location bk of complaint.	
74/72 L	N 30.27815 W 87.52611			14:09		N 30.27869 W 87.52624		Wrack		1m 0073 5m 0074 25m N/A		Int.		Yes		No visible disturbance. Bird and block moved within ~13m of original location. Block seemed to be exposed previously.			
73/74 L	N 30.27902 W 87.52376			14:20		N 30.27902 W 87.52376		Wrack		1m 0075 5m 0076 25m N/A		Int.		Yes		No visible disturbance, possibly picked up. Block was exposed previously possibly by beachgoer. Some small flies present.			
71/72 L	N 30.27909 W 87.52343	X		14:29		N 30.27909 W 87.52343 N/A CP		Wrack N/A CP		1m <del>0077</del> 0079 5m <del>0078</del> 0080 25m N/A		Dist. Miss. CP		Yes No CP		Bird had been buried under sand. Team did not excavate bird, left as was. Team assumed block to be below bird. Some flies present.			
124/125 M	N 30.27942 W 87.52132			14:53		N 30.27942 W 87.52132		Wrack		1m 0081 5m 0082 25m N/A		Dist.		Yes		Neck bones exposed.			
96/94 L	N 30.27979 W 87.51871			15:01		N 30.27979 W 87.51871		Wrack		1m 0083 5m 0084 25m N/A		Int.		Yes		Block was exposed previously, possibly by beachgoer.			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011		Surveyors: Frank Sexton, Katrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-15-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
49/50 M	N 30.37998 W 86.85913	X	08:34	Same as yesterday	Wrack	1m 0085	Dist.	Yes	Neck bones exposed. Head partially gone. Covered partially by sand. Team assumes block present under bird. Flies present. Crab hole adjacent to bird.
						5m 0086			
						25m N/A			
114/115 M	N 30.38058 W 86.85615	X	08:42	Same as yesterday	Upper	1m 0087	Int.	Yes	Some flies present. Ants present.
						5m 0088			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	X	08:53	Same as yesterday	Wrack	1m 0089	Dist.	Yes	Head hollowed out. Ants and flies present.
						5m 0090			
						25m N/A			
67/68 L	N 30.38158 W 86.84958	X	09:00	Same as yesterday	Upper	1m 0091	Dist.	Yes	Disturbance around head and lower abdomen. Flies abundantly present.
						5m 0092			
						25m N/A			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011		Surveyors: Frank Sexton, Katrina Perez				Surveyor Signatures: <i>[Signatures]</i>					
Survey Transect # WFL-11-01		Dist. from Transect Start (m)		Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: R03705 Photo(s) ID# <sup>4</sup>	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high	Notes
53/54 L	N 30.33565 W 87.11301	X	X	10:02	Same as yesterday	Low	1m 0093 5m 0094 25m N/A	Int.	Yes	falling	Small flies present.
67/70 L	N 30.33576 W 87.11218	X	X	10:06	Same as yesterday	Wrack	1m 0095 5m 0096 25m N/A	Dist.	Yes	falling	Disturbance around head, in head cavity and around lower abdomen. Abundant flies present.
35/36 M	N 30.33701 W 87.10710	X	X	10:16	Same as yesterday	Upper	1m 0097 5m 0098 25m N/A	Int.	Yes	falling	No apparent disturbance.
47/48 L	N 30.33806 W 87.10165	X	X	10:27	Same as yesterday	Upper	1m 0099 5m 0100 25m N/A	Dist.	Yes	falling	Disturbance around lower back. Some flies present.
80/81 M	N 30.33827 W 87.10020	X	X	10:31	Same as yesterday	Wrack	1m 0101 5m 0102 25m N/A	Dist.	Yes	falling	Hole in lower back, disturbance in lower cavity. Flies present.
		X	X				1m 5m 25m				

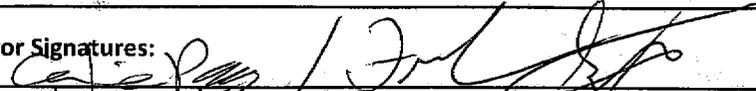
<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # AL-26-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
115/116 L	N 30.27710 W 87.53492	X	12:31	N 30.27693 W 87.53570	Upper	1m 0103	Int.	Yes	Bird and blocked moved yesterday to new location due to complaint. Bird flagged when team arrived.
						5m 0104			
						25m 0105			
74/72 L	N 30.27869 W 87.52624	X	12:47	Same as yesterday	Wrack	1m 0106	cp Int. Dist.	Yes	Stream of blood coming from abdomen otherwise appears to be intact.
						5m 0107			
						25m N/A			
73/74 L	N 30.27902 W 87.52376	X	12:52	Same as yesterday	Low	1m 0108	Int.	Yes	Flies present. Crab holes present on 2 sides of bird.
						5m 0109			
						25m N/A			
71/72 L	N 30.27909 W 87.52343	X	12:56	Same as yesterday	Wrack	1m 0110	Dist.	Yes	Condition same as yesterday, buried under sand.
						5m 0111			
						25m N/A			
124/125 M	N 30.27942 W 87.52132	X	13:01	Same as yesterday	Wrack	1m 0112	Dist.	Yes	Clear signs of disturbance, opening in lower part of abdomen. Flies present.
						5m 0113			
						25m N/A			
96/94 L	N 30.27979 W 87.51871	X	13:08	Same as yesterday	Wrack	1m 0114	Dist.	Yes	Head seems to have been pulled towards entrance of crab hole. signs of disturbance around head. Flies present
						5m 0115			
						25m N/A			

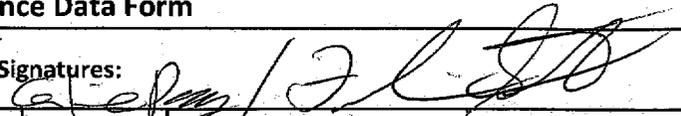
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: 			
Survey Transect # WFL-15-07									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						803705			Photo(s) ID#
Notes									
49/50 M	N 30.37998 W 86.85913	X	08:29	Same as yesterday	Wrack	1m 0116	Dist.	Yes	Head largely disturbed, possibly eaten. signs of disturbance around lower abdomen. Head pulled towards entrance of crab hole.
						5m 0117			
						25m N/A			
114/115 M	N 30.38058 W 86.85615	X	08:39	Same as yesterday	Upper	1m 0118	Dist.	Yes	Shoulder/wing bones and flesh exposed, partially eaten, as it appears. Head cavity disturbed. Crab hole immediately adjacent.
						5m 0119			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	X	08:49	Same as yesterday	Wrack	1m <del>0120</del> 0122	Dist.	Yes	Head and neck disturbed. Insects present on, around and inside head cavity. Ants, flies present.
						5m 0123			
						25m N/A			
67/68	N 30.38156 W 86.84958	X	08:56	Same as yesterday	Upper	1m 0124	Dist.	Yes	Disturbance around head. Eye cavity and jaw appear to be eaten. Flies, ants, and small worm-like animals present.
						5m 0125			
						25m N/A			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

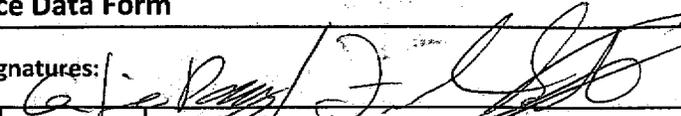
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011		Surveyors: Frank Sexton, Catrina Perez			Surveyor Signatures: 				
Survey Transect # WFL-11-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
53/54 L	N 30.33565 W 87.11301	<del>X</del>	10:00	Same as yesterday	Low	1m 0126	Dist.	Yes	Head disturbed, particularly around eye cavity. Flies present.
						5m 0127			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	<del>X</del>	10:06	same as yesterday	Wrack	1m 0128	Dist.	Yes	Disturbance around eye cavity and around lower abdomen. small flies present
						5m 0129			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	<del>X</del>	10:21	Same as yesterday	Wrack	1m 0130	Dist.	Yes	Cavity dug into chest. Small flies and ants present. Disturbance around lower abdomen, rectum.
						5m 0131			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	<del>X</del>	10:33	Same as yesterday	Wrack	1m 0132	Dist.	Yes	Hole dug into lower back, forming half-dollar-sized hole. Some disturbance around head. Flies present.
						5m 0133			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	<del>X</del>	10:39	Same as yesterday	Wrack	1m 0134	Dist.	Yes.	Large hole dug into lower back. Backbones exposed. Head cavity hollowed out. Small flies present.
						5m 0135			
						25m N/A			
						1m			
						5m			
						25m			

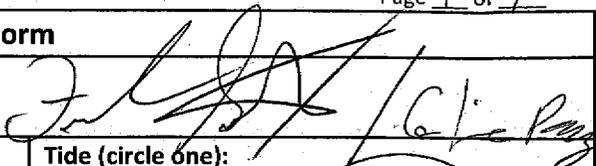
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: 			
Survey Transect # A1-76-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			Photo(s) ID# <sup>4</sup>
115/116 L	N 30.27693 W 87.53570	X	14:29	Same as yesterday	Upper	1m 0136	Dist.	Yes.	Head disturbed by scavenging. Crab hole directly adjacent to bird. Bones under wing partially showing. Flies present.
						5m 0137			
						25m N/A			
74/72 L	N 30.27869 W 87.52624	X	14:45	Same as yesterday	Wrack	1m 0138	Dist.	Yes.	Head cavity disturbed, partially hollowed out. Blood visible at lower abdomen. Crab hole immediately adjacent to bird.
						5m 0139			
						25m N/A			
73/74 L	N 30.27902 W 87.52376	X	14:52	Same as yesterday	Low	1m 0140	Dist.	Yes	Disturbance at head. Head cavity appears to be hollowed out. Skull, <del>some</del> around neck, exposed. Flies present.
						5m 0141			
						25m N/A			
71/72 L	N 30.27909 W 87.52343	X	14:55	Same as yesterday	Wrack	1m 0142	Dist.	Yes	No apparent change since yesterday. Buried under sand.
						5m 0143			
						25m N/A			
124/125 M	N 30.27942 W 87.52132	X	15:03	N 30.27962 W 87.52137	Wrack	1m 0144	Dist.	Yes	Moved from previous location. Team repositioned block under bird. Head disturbed. Chest shows signs of disturbance.
						5m 0145			
						25m 0146			
96/94 L	N 30.27979 W 87.51871	X	15:11	Same as yesterday	Wrack	1m 0147	Dist.	Yes	Head cavity appears to be hollowed out. Flies present.
						5m 0148			
						25m N/A			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: Frank Sexton, Catrina Paetz				Surveyor Signatures: 			
Survey Transect # WFL-15-02		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
49/50 M	N 30.37998 W 86.85913	X	08:30	CP <del>Miss.</del> N/A	CP <del>Wreck</del> N/A	1m 0149	Miss.	No	No bird or block found. Beach previously groomed/raked. Pile of beach debris found on upper beach ~50m past site. Bird not found in surface layers, but team did not dig completely through debris.
						5m 0150			
						25m N/A			
114/115 M	N 30.38058 W 86.85815	X	08:38	Same as yesterday	Upper	1m 0151	Dist.	Yes	Chest and wing bones partially exposed, abdomen sunk in. Head appears to be completely hollowed out. Ants present.
						5m 0152			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	X	08:55	Same as yesterday	Low	1m 0153	Dist.	Yes	Wing bones partially exposed. Head cavity hollowed out.
						5m 0154			
						25m N/A			
67/68 L	N 30.38156 W 86.84958	X	08:59	Same as yesterday	Upper	1m 0155	Dist.	Yes	Skull exposed. Lower back bones exposed around tail. Hole dug into back. Flies and ants present.
						5m 0156			
						25m N/A			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: [Signatures]			
Survey Transect # WFL-11-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			Photo(s) ID# <sup>4</sup>
Notes									
53/54 L	N 30.33585 W 87.11301	X	10:13	Same as yesterday	Low	1m 0157	Dist.	Yes	Disturbance around lower back. Head is hollowed out.
						5m 0158			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	X	10:17	Same as yesterday	Wrack	1m 0159	Dist.	Yes	Disturbance around head and lower abdomen. Water line has reached carcass.
						5m 0160			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	X	10:27	Same as yesterday	Upper	1m 0161	Dist.	Yes	Holes in lower abdomen and in upper chest. Carcass seems to have shrunk in size.
						5m 0162			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	X	10:37	Same as yesterday	Upper	1m 0163	Dist.	Yes	Hole in lower abdomen with some bones exposed.
						5m 0164			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	X	10:41	Same as yesterday	Wrack	1m 0165	Dist.	Yes	Hole in lower back with tail mostly missing. Hole extends to mid-back approximately. Neck bones exposed.
						5m 0166			
						25m N/A			
X						1m	X		
X						5m	X		
X						25m	X		

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011		Surveyors: Frank Sexton, Katrina Reez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect #: AL-26-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
115/116 L	N 30.27693 W 87.53570	X	12:51	Same as yesterday	Upper	1m 0167	Dist.	Yes.	Neck exposed.
						5m 0168			
						25m N/A			
74/72 L	N 30.27869 W 87.52624	X	13:07	Same as yesterday	Wrack	1m 0169	Dist.	Yes	Signs of disturbance around head. Small hole around lower abdomen.
						5m 0170			
						25m N/A			
73/74 L	N 30.27902 W 87.52376	X	13:14	Same as yesterday	Low	1m 0171	Dist.	Yes	Hole in back of head/cranium. Head largely disturbed.
						5m 0172			
						25m N/A			
71/72 L	N 30.27909 W 87.52343	X	13:17	Same as yesterday	Wrack	1m 0173	Dist.	Yes	Bird still mostly covered by sand.
						5m 0174			
						25m N/A			
124/125 M	N 30.27962 W 87.52137	X	13:22	Same as yesterday	Upper	1m 0175	Dist.	Yes	Bird appears to have shrunk in size. Some wing bones exposed.
						5m 0176			
						25m N/A			
96/94 L	N 30.27979 W 87.51871	X	13:28	Same as yesterday	Wrack	1m 0177	Dist.	Yes	Head disturbed and hollowed out.
						5m 0178			
						25m N/A			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/11		Surveyors: Frank Sexton, Catrina Perez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-15-02		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
114/115 M	N 30.38058 W 86.85615	X	07:49	Same as yesterday	Upper	1m 0179	Dist.	Yes	Maggots visible in chest cavity.
						5m 0180			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	X	07:58	Same as yesterday	Low	1m 0181	Dist.	Yes	Head <del>had</del> <sup>of</sup> has been degraded to nearly only skull and neck bones. Chest cavity punctured, ants inside.
						5m 0182			
						25m N/A			
67/68 L	N 30.38156 W 86.84958	X	08:06	Same as yesterday	Upper	1m 0183	Dist.	Yes	No apparent changes to previous day.
						5m 0184			
						25m N/A			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

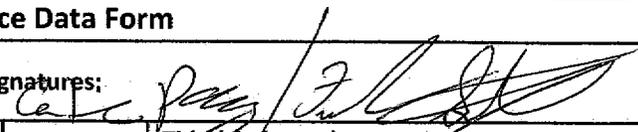
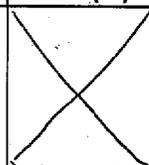
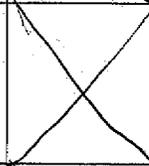
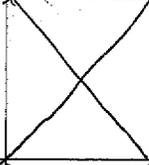
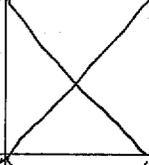
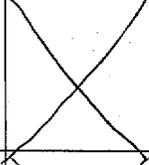
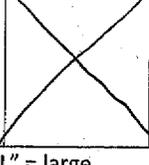
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/11		Surveyors: Frank Sexton, Catrina Perez				Surveyor Signatures: 			
Survey Transect # WFL-11-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
53/54 L	N 30.33585 W 87.11301	X	09:12	Same as yesterday	Low	1m <del>0185</del> 0185	Dist.	Yes	Foul odor noticed.
						5m 0186			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	X	09:16	Same as yesterday	Wrack	1m 0187	Dist.	Yes	Large hole near rectum.
						5m 0188			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	X	09:25	Same as yesterday	Upper	1m 0189	Dist.	Yes	No significant changes since yesterday as it appears.
						5m 0190			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	X	09:34	Same as yesterday	Upper	1m 0191	Dist.	Yes	Disturbance near lower abdomen/rectum. Appears to be insects present in cavity.
						5m 0192			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	X	09:38	Same as yesterday	Wrack	1m 0193	Dist.	Yes	Lower portion of carcass, including tail, is missing. Abdominal cavity beginning to get hollowed out.
						5m 0194			
						25m N/A			
X						1m			
X						5m			
X						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/11		Surveyors: Frank Sexton, Katrina Perez				Surveyor Signatures: 			
Survey Transect # AL-26-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
115/116 L	N 30.27693 W 87.53570		11:30	Same as yesterday	Wrack	1m 0195	Dist.	Yes	Foul odor, otherwise no obvious changes since yesterday. CP
						5m 0196			
						25m N/A			
74/72 L	N 30.27869 W 87.52624		11:40	Same as yesterday	Wrack	1m 0197	Dist.	Yes	No obvious change since yesterday.
						5m 0198			
						25m N/A			
73/74 L	N 30.27902 W 87.52376		11:45	Same as yesterday	Low	1m 0199	Dist.	Yes	No obvious changes since yesterday.
						5m 0200			
						25m N/A			
71/72 L	N 30.27909 W 87.52343		11:47	Same as yesterday	Wrack	1m 0201	Dist.	Yes	No changes since yesterday.
						5m 0202			
						25m N/A			
124/125 M	N 30.27962 W 87.52137		11:53	Same as yesterday	Upper	1m 0203	Dist.	Yes	Bird marked by sticks, potentially by beachgoers. Block not visible, but assumed to be beneath bird in sand. Bird seems to have shrunk in size.
						5m 0204			
						25m N/A			
96/94 L	N 30.27979 W 87.51871		12:00	Same as yesterday	Wrack	1m 0205	Dist.	Yes	Bird buried in sand, potentially by beachgoers. Block assumed to be underneath. Gull hole directly adjacent to carcass.
						5m 0206			
						25m N/A			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/18/11

Survey Transect # WFL-15-02

Surveyors: Frank Sexton, Catrina Perez

Surveyor Signatures: *[Handwritten signatures]*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						803705			Photo(s) ID# <sup>4</sup>	
114/115 M	N 30.38058 W 86.85615	X	08:22	Same as yesterday.	Upper	1m 0207	Dist.	Yes	rising	Maggots present. Chest cavity open, area around tail/rump partially missing. Crab digging has covered ~50% of bird with sand.
						5m 0208				
						25m N/A				
101/99 L	N 30.38121 W 86.85150	X	08:33	Same as yesterday	Low	1m 0209	Dist.	Yes	rising	No obvious changes to previous day.
						5m 0210				
						25m N/A				
6-7/68 L	N 30.38156 W 86.84958	X	08:41	Same as yesterday	Upper	1m 0211	Dist.	Yes	rising	Maggots present, otherwise no obvious changes on carcass. Some sand covering bird carcass from crab burrowing.
						5m 0212				
						25m N/A				
X	X	X	X	X	X	1m	X	X	X	X
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	X	X
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	X	X
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/11

Survey Transect # WFL-11-01

Surveyors: Frank Sexton, Katrina Perez

Surveyor Signatures:

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						803705			Photo(s) ID# <sup>4</sup>
Notes									
53/54 L	N 30.33565 W 87.11301	X	09:43	Same as yesterday	Low	1m 0213	Dist.	Yes	Abdominal cavity seems to be hollowed out. Carcass appears to have sunken in. Crab holes directly adjacent.
						5m 0214			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	X	09:51	Same as yesterday	Wrack	1m 0215	Dist.	Yes	<del>cp</del> Hole in lower abdomen enlarged.
						5m 0216			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	X	10:02	Same as yesterday	Upper	1m 0217	Dist.	Yes	Bird has been marked with flag. No other obvious changes from previous day.
						5m 0218			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	X	10:11	Same as yesterday	Upper	1m 0219	Dist.	Yes	Partially covered in sand from crab burrowing.
						5m 0220			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	X	10:16	Same as yesterday	Wrack	1m 0221	Dist.	Yes	Tail completely missing, ramp <sup>cp</sup> and lower back partially missing. Abdominal cavity appears to be hollowed out.
						5m 0222			
						25m N/A			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/11		Surveyors: Frank Sexton, Katrina Paetz					Surveyor Signatures: <i>[Signatures]</i>		
Survey Transect # AL-26-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high
115/116 L	N 30.27693 W 87.53570	X	13:02	Same as yesterday	Upper	1m 0223	Dist	Yes	No obvious changes from previous day.
						5m 0224			
						25m N/A			
74/72 L	N 30.27869 W 87.52624	X	13:19	Same as yesterday.	Wrack	1m 0225	Dist.	Yes	No obvious changes from previous day.
						5m 0226			
						25m N/A			
73/74 L	N 30.27902 W 87.52376	X	13:25	Same as yesterday	Low	1m 0227	Dist.	Yes	No obvious changes to outside of carcass. Appears to maybe have sunken in slightly.
						5m 0228			
						25m N/A			
71/72 L	N 30.27909 W 87.52343	X	13:28	Same as yesterday	Wrack	1m 0229	Dist.	Yes	Bird has been partially uncovered from sand.
						5m 0230			
						25m N/A			
124/125 M	N 30.27962 W 87.52137	X	13:33	Same as yesterday	Upper	1m 0231	Dist.	Yes	No obvious changes from previous changes day.
						5m 0232			
						25m N/A			
96/94 L	N 30.27979 W 87.51871	X	13:40	Same as yesterday	Wrack	1m 0233	Dist.	Yes	No obvious changes from previous day.
						5m 0234			
						25m N/A			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/11

Survey Transect # WFL-15-02

Surveyors: Frank Sexton, Katrina Paez

Surveyor Signatures: *[Handwritten signatures]*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						B03705			Photo(s) ID# <sup>4</sup>	
114/115 M	N 30.38058 W 86.85615	X	08:27	Same as yesterday	Upper	1m 0235	Dist.	Yes	rising	Most of the bird has been covered by sand from crab burrowing. Mostly feathers, including tail feathers visible. <del>bird appears to</del> of
						5m 0236				
						25m N/A				
101/99 L	N 30.38121 W 86.85150	X	08:37	Same as yesterday	Low	1m 0237	Dist.	Yes	rising	Appears to have shifted somewhat in position. Bird appears to have sunken in around chest and abdomen.
						5m 0238				
						25m N/A				
67/68 L	N 30.38156 W 86.84958	X	08:44	Same as yesterday	Upper	1m 0239	Dist.	Yes	rising	Head covered by sand, possibly by crab activity. Some additional degradation around neck.
						5m 0240				
						25m N/A				
X	X	X	X	X	X	1m	X	X	X	X
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	X	X
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	X	X
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

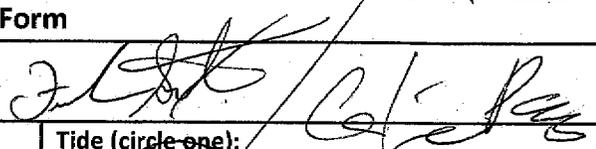
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/11		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-11-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			Photo(s) ID# <sup>4</sup>
Notes									
53/54 L	N 30.33585 W 87.11301	X	09:43	same as yesterday	Low	1m 0241	Dist.	Yes	Carcass has flattened out, potentially because insides have been hollowed out.
						5m 0242			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	X	09:46	same as yesterday	Wrack	1m 0243	Dist.	Yes	Bird appears to be <sup>of</sup> bloated. No obvious changes from previous day.
						5m 0244			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	X	09:57	same as yesterday	Upper	1m 0245	Dist.	Yes	No obvious changes from previous day. <sup>of</sup> Large log adjacent to carcass.
						5m 0246			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	X	10:06	same as yesterday	Upper	1m 0247	Dist.	Yes	Carcass partially buried, possibly by crab activity.
						5m 0248			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	X	10:10	same as yesterday	Wrack	1m 0249	Dist.	Yes	Head buried in sand. Degradation continues upward <sup>of</sup> along from the lower back and abdomen.
						5m 0250			
						25m N/A			
X						1m	X		
X						5m	X		
X						25m	X		

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/11		Surveyors: Frank Sexton, Katrina Rez				Surveyor Signatures: 			
Survey Transect # AL-26-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
115/116 L	N 30.27693 W 87.53570	X	12:01	Same as yesterday	Upper	1m 0251	Dist.	Yes	No obvious changes from previous day.
						5m 0252			
						25m N/A			
74/72 L	N 30.27869 W 87.52624	X	12:12	same as yesterday	Wrack	1m 0253	Dist.	Yes	No obvious changes from previous day.
						5m 0254			
						25m N/A			
73/74 L	N 30.27902 W 87.52376	X	12:17	same as yesterday	Low	1m 0255	Dist.	Yes	No obvious changes from previous day. stingray washed up or was placed next to bird.
						5m 0256			
						25m N/A			
71/72 L	N 30.27909 W 87.52343	X	12:20	Same as yesterday	Wrack	1m 0257	Dist.	Yes	No obvious changes from previous day.
						5m 0258			
						25m N/A			
124/125 M	N 30.27962 W 87.52137	X	12:25	Same as yesterday	Upper	1m 0259	Dist.	Yes	No obvious or significant changes from previous day.
						5m 0260			
						25m N/A			
96/94 L	N 30.27979 W 87.51871	X	12:32	Same as yesterday	Wrack	1m 0261	Dist.	Yes	Bird seems to have been exposed partially, possibly scavenged.
						5m 0262			
						25m N/A			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011		Surveyors: Frank Sexton; Katrina Pacez				Surveyor Signatures: [Signature]			
Survey Transect # WFL-15-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present?	Tide (circle one):
						B03 705			Photo(s) ID# <sup>4</sup>
Notes									
114/115 M	N 30.38058 W 86.85815	X	08:21	same as yesterday	Upper	1m 0263	Dist.	Yes	Rump is missing. One wing broken, possibly from scavenging.
						5m 0264			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	X	08:30	same as yesterday	Low	1m 0265	OR	Yes	Carcass sunken in. Chest area punctured from shoulder to shoulder.
						5m 0266			
						25m N/A			
67/68 L	N 30.38156 W 86.84958	X	08:36	same as yesterday	Upper	1m 0267	Dist.	Yes	Bird more buried in sand compared to previous day.
						5m 0268			
						25m NA			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011		Surveyors: Frank Sexton, Catrina Perez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-11-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
53/54 L	N 30.33585 W 87.11301	<del>X</del>	09:36	Same as yesterday	Low	1m 0269	OR	Yes	Organs appear to be removed because carcass has collapsed. Exterior mostly intact.
						5m 0270			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	<del>X</del>	09:40	same as yesterday	Wrack	1m 0271	Dist.	Yes	No obvious, significant changes from previous day.
						5m 0272			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	<del>X</del>	09:49	Same as yesterday	Upper	1m 0273	Dist.	Yes	Partially covered by sand from excavation of log present on previous day.
						5m 0274			
						25m N/A			
47/48 L	N 30.33806 W 87.10105	<del>X</del>	09:59	same as yesterday	Upper	1m 0275	Dist.	Yes	Partially covered by sand. Tire tracks directly over carcass.
						5m 0276			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	<del>X</del>	10:04	same as yesterday	Wrack	1m 0277	Dist. OR	Yes	Rump completely missing. Organs seem to be completely removed.
						5m 0278			
						25m N/A			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011		Surveyors: Frank Sexton, Katrina Paez					Surveyor Signatures: <i>[Signatures]</i>				
Survey Transect # A1-76-06		Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
								Photo(s) ID# <sup>4</sup>			Notes
115/116 L	N 30.27893 W 87.53570	X	12:25	Same as yesterday	Upper	1m 0279	Dist.	Yes	Bird has been buried in sand. Block assumed to be underneath.		
						5m 0280					
						25m N/A					
74/72 L	N 30.27869 W 87.52624	X	12:36	same as yesterday	Wrack	1m 0281	Dist.	Yes	Head covered with sand, possibly from crab burrowing. Carcass has been marked with flagged stake.		
						5m 0282					
						25m N/A					
73/74 L	N 30.27902 W 87.52376	X	12:43	same as yesterday	Low	1m 0283	Dist.	Yes	Stingray from previous day placed directly next to carcass, partially covering bird.		
						5m 0284					
						25m N/A					
71/72 L	N 30.27909 W 87.52343	X	12:46	same as yesterday	Wrack	1m 0285	Dist.	Yes	No obvious, significant changes.		
						5m 0286					
						25m N/A					
124/125 M	N 30.27962 W 87.52137	X	12:50	same as yesterday	Upper	1m 0287	Dist.	Yes	No obvious changes from previous day.		
						5m 0288					
						25m N/A					
96/94 L	N 30.27979 W 87.51871	X	13:03	same as yesterday	Wrack	1m 0289	Dist.	Yes	Bird carcass was completely submerged in sand. Team had to remove some sand layers to verify presence.		
						5m 0290					
						25m N/A					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

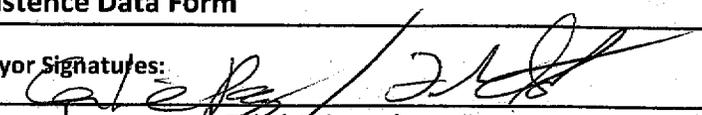
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 08/21/2011		Surveyors: Frank Sexton, Katrina Perez				Surveyor Signatures: 			
Survey Transect # WFL-15-02		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
114/115 M	N 30.38058 W 86.85815	X	08:49	Same as yesterday	Upper	1m 0291	Dist.	Yes	Tide: <u>rising</u> falling, slack low, slack high
						5m 0292			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	X	09:00	Same as yesterday	Low	1m 0293	Dist.	Yes	Notes: No obvious changes from previous day.
						5m 0294			
						25m N/A			
67/68 L	N 30.38158 W 86.84958	X	09:05	Same as yesterday	Upper	1m 0295	Dist.	Yes	Notes: No changes from previous day.
						5m 0296			
						25m N/A			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: Frank Sexton, Catrina Paetz				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-11-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
53/54 L	N 30.33585 W 87.11301	<del>X</del>	10:07	Same as yesterday	Low	803705	Dist.	Yes	rising, falling, slack low, slack high
						1m 0297			
						5m 0298			
67/70 L	N 30.33576 W 87.11218	<del>X</del>	10:11	Same as yesterday	Wrack	25m N/A	Dist.	No	Notes
						1m 0299			
						5m 0300			
35/36 M	N 30.33701 W 87.10710	<del>X</del>	10:28	Same as yesterday	Upper	25m N/A	Dist.	Yes	Notes
						1m 0301			
						5m 0302			
47/48 L	N 30.33806 W 87.10165	<del>X</del>	10:30	Same as yesterday	Upper	25m N/A	Dist.	Yes	Notes
						1m 0303			
						5m 0304			
80/81 M	N 30.33827 W 87.10020	<del>X</del>	10:33	Same as yesterday	Wrack	25m N/A	OR	Yes	Notes
						1m 0305			
						5m 0306			
<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	1m	<del>X</del>	<del>X</del>	<del>X</del>
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

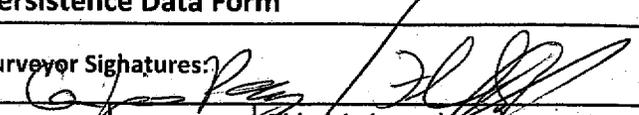
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: Frank Sexton, Katrina Acz				Surveyor Signatures: 			
Survey Transect # AL-28-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one) rising, falling, slack low, <u>slack high</u>
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
115/116 L	N 30.27693 W 87.53570	X	12:44	same as yesterday	Upper	1m 0307 5m 0308 25m N/A	Dist.	Yes	No obvious changes from previous day. Raking/Grooming trails adjacent to bird, but not over bird. Possibly because Plugged.
74/72 L	N 30.27819 W 87.52624	X	12:54	same as yesterday	Wrack	1m 0309 5m 0310 25m N/A	Dist.	Yes	No obvious changes from previous day.
73/74 L	N 30.27902 W 87.52376	X	12:59	same as yesterday	Low	1m 0311 5m 0312 25m N/A	Dist.	Yes	No obvious changes from previous day.
71/72 L	N 30.27909 W 87.52343	X	13:01	same as yesterday	Wrack	1m 0313 5m 0314 25m N/A	Dist.	Yes	No changes from previous day.
124/125 M	N 30.27962 W 87.52137	X	13:06	same as yesterday	Upper	1m 0315 5m 0316 25m N/A	Dist.	Yes	No changes from yesterday.
96/94 L	N 30.27979 W 87.51871	X	13:13	N/A	CP wrack N/A	1m 0317 5m 0318 25m N/A	Miss.	No	Bird could not be found today. Assumed to be buried in sand, but could not locate and many beachgoers abundant densely situated around location.

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/22/2011

Survey Transect # WFL-15-02

Surveyors: Frank Sexton, Catrina Paez

Surveyor Signatures: *[Handwritten signatures]*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705 Photo(s) ID# <sup>4</sup>			rising, falling, slack low, <u>slack high</u>
Notes									
114/115 M	N 30.38058 W 86.85615	<del>X</del>	08:36	same as yesterday	Upper	1m 0319 5m 0320 25m N/A	Dist.	Yes	No changes from previous day
101/99 L	N 30.38121 W 86.85150	<del>X</del>	08:45	same as yesterday	Low	1m 0321 5m 0322 25m N/A	Dist.	Yes	No changes from previous day
67/68 L	N 30.38156 W 86.84958	<del>X</del>	08:50	same as yesterday	Upper	1m 0323 5m 0324 25m N/A	Dist.	Yes	Appears to be more covered in sand.
<del>X</del>									
<del>X</del>									
<del>X</del>									
<del>X</del>									
<del>X</del>									
<del>X</del>									
<del>X</del>									
<del>X</del>									

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/22/2001		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-11-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			rising, falling, slack low, <u>slack high</u>
Notes									
53/54 L	N 30.33585 W 87.11301	X	09:50	same as yesterday	Low	1m 0325	Dist.	Yes	Carcass more buried than previous day, only part of wing visible.
						5m 0326			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	X	09:53	same as yesterday	Wrack	1m <del>0327</del> <sup>CP</sup> <del>0337</del>	Dist.	<del>CP</del> No	Bird covered/buried in sand partially. Seems to have been submerged through tidal action.
						5m <del>0328</del> <sup>CP</sup> <del>0338</del>			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	X	10:03	same as yesterday	Upper	1m <del>0329</del> <sup>CP</sup> <del>0339</del>	Dist.	Yes	No changes from previous day.
						5m <del>0330</del> <sup>CP</sup> <del>0340</del>			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	X	10:12	same as yesterday	Upper	1m 0331	Dist.	Yes	No significant changes from previous day.
						5m 0332			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	X	10:16	same as yesterday	Wrack	1m 0333	OR	Yes	No significant changes from previous day.
						5m 0334			
						25m N/A			
X						1m	X		
X						5m	X		
X						25m	X		

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/22/2011		Surveyors: Frank Sexton, Katrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # AL-26-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
115/116 L	N 30.27693 W 87.53570	X	12:00	Same as yesterday	Upper	1m 0335	Dist.	Yes	Bird somewhat more exposed than previous day.
						5m 0336			
						25m N/A			
74/72 L	N 30.27869 W 87.52624	X	12:10	same as yesterday	Wrack	1m 0337	Dist.	Yes	No significant changes from previous day. Floating mattress located close to bird.
						5m 0338			
						25m N/A			
73/74 L	N 30.27902 W 87.52376	X	12:16	same as yesterday	Low	1m 0339	Dist.	Yes	No changes from previous day.
						5m 0340			
						25m N/A			
71/72 L	N 30.27909 W 87.52343	X	12:18	same as yesterday	Wrack	1m 0341	Dist.	Yes	Bird was completely covered by sand, team had to remove some sand layers to verify presence of bird. Cross was erected by bird next to bird.
						5m 0342			
						25m N/A			
124/125 M	N 30.27962 W 87.52137	X	12:23	same as yesterday	Upper	1m 0343	Dist.	Yes	No obvious changes from previous day.
						5m 0344			
						25m N/A			
X						1m			
X						5m			
X						25m			

<sup>1</sup>"S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.



Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/23/2011		Surveyors: Frank Sexton, Katrina Perez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-11-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
53/54 L	N 30.33585 W 87.11301	X	09:15	Same as yesterday	Low	1m 0351	Dist.	Yes	Bird was completely covered by sand. Team had to remove some sand layers to verify bird was still present.
						5m 0352			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	X	09:19	same as yesterday	Wrack	1m 0353	Dist.	Yes <del>CP</del> NO	Bird is at ledge of the sand. Half of the bird is sticking out past the ledge, the other is buried in the sand. Wave action may affect bird.
						5m 0354			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	X	09:27	same as yesterday	Upper	1m 0355	Dist.	Yes	No changes from previous day.
						5m 0358			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	X	09:37	same as yesterday	Upper	1m 0357	Dist.	Yes	No changes from previous day.
						5m 0358			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	X	09:40	same as yesterday	Wrack	1m 0359	Dist. <del>CP</del> OR	Yes	Head is mostly bones and feathers. One leg is detached from body. Otherwise mainly pectorals remaining.
						5m 0360			
						25m N/A			
X						1m			
X						5m			
X						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),

"Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/23/2011		Surveyors: Frank Sexton, Catrina Paez					Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # AL-26-06										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high	
						Photo(s) ID# <sup>4</sup>			Notes	
115/116 L	N 30.27693 W 87.53570		10:50	same as previous day CP N/A	CP Upper N/A	1m 0361 5m 0362 25m N/A	Miss.	No	Bird and block could not be found. Area had been raked previously	
74/72 L	N 30.27819 W 87.52624		11:00	same as yesterday	Wrack	1m 0363 5m 0364 25m N/A	Dist.	Yes	No significant changes from previous day.	
73/74 L	N 30.27902 W 87.52376		11:05	same as yesterday	CP Low	1m 0365 5m 0365 25m N/A	Dist.	Yes	No changes from previous day.	
71/72 L	N 30.27909 W 87.52343		11:07	same as yesterday	Wrack	1m 0367 5m 0368 25m N/A	Dist.	Yes	No changes from previous day. Still buried in sand. Only very few feathers exposed.	
124/125 M	N 30.27962 W 87.52137		11:12	same as yesterday	Upper	1m 0369 5m 0370 25m N/A	Dist.	Yes	No obvious changes from previous day.	
						1m 5m 25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011		Surveyors: Frank Sexton, Katrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-15-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			Photo(s) ID# <sup>4</sup>
Notes									
114/115 M	N 30.38058 W 86.85615	<del>X</del>	09:06	same as yesterday	Upper	1m 0371	Dist.	Yes	Bird almost completely buried in sand. Some feathers visible and block visible through small hole.
						5m 0372			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	<del>X</del>	09:14	same as yesterday	Low	1m 0373	Dist.	Yes	No obvious changes from previous day.
						5m 0374			
						25m N/A			
67/68 L	N 30.38158 W 86.84958	<del>X</del>	09:18	same as yesterday	Upper	1m 0375	Dist.	Yes	No obvious changes from previous day. Covered in sand, so decomposition is hard to assess.
						5m 0376			
						25m N/A			
<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	1m	<del>X</del>	<del>X</del>	<del>X</del>
						5m			
						25m			
<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	1m	<del>X</del>	<del>X</del>	<del>X</del>
						5m			
						25m			
<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	1m	<del>X</del>	<del>X</del>	<del>X</del>
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-11-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					803705			rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
53/54 L	N 30.33585 W 87.11301	<del>X</del>	10:12	same as yesterday	Low	1m 0377	Dist.	Yes	No obvious changes from previous day.
						5m 0378			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	<del>X</del>	10:14	same as yesterday	Wrack	1m 0379	Dist.	Yes	Appears that bird was somewhat disturbed by tidal action. Otherwise no significant changes from previous day.
						5m 0380			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	<del>X</del>	10:24	same as yesterday	Upper	1m 0381	Dist.	Yes	Rump partially gone. Chest seems to be more exposed with less feathers. One leg broken, partially separated from body.
						5m 0382			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	<del>X</del>	10:38	same as yesterday	Upper	1m 0383	Dist.	Yes	No significant changes from previous day.
						5m 0384			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	<del>X</del>	10:41	same as yesterday	Wrack	1m 0385	OR	Yes	Some ribs and part of spinal column present, otherwise mostly wings and head.
						5m 0386			
						25m N/A			
<del>X</del>						1m	<del>X</del>		
<del>X</del>						5m	<del>X</del>		
<del>X</del>						25m	<del>X</del>		

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011

Survey Transect # AL-26-06

Surveyors: Frank Sexton, Catrina Paetz

Surveyor Signatures: *[Handwritten signatures]*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
74/72 L	N 30.27869 W 87.52624	X	12:05	same as yesterday	Wrack	1m <del>0387 CP</del> <del>0388</del>	Dist.	Yes	No significant changes from previous day.
						5m 0388			
						25m N/A			
73/74 L	N 30.27902 W 87.52376	X	12:11	same as yesterday	Low	1m 0389	Dist.	Yes	No significant changes from previous day.
						5m 0390			
						25m N/A			
71/72 L	N 30.27909 W 87.52343	X	12:15	same as yesterday	Wrack	1m 0391	Dist.	Yes	Bird assumed to be under sand mound since there were no obvious changes from previous day.
						5m 0392			
						25m N/A			
124/125 M	N 30.27962 W 87.52137	X	12:18	same as yesterday	Upper	1m 0393	Dist.	Yes	No obvious changes from previous day. Beachgoer mentioned they intentionally left bird as was because of note on block, otherwise would have covered with sand.
						5m 0394			
						25m N/A			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

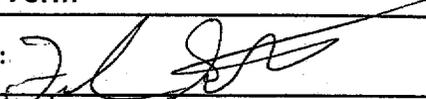
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: <i>[Signature]</i>			
Survey Transect # WFL-15-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						803705			Photo(s) ID# <sup>4</sup>
114/115 M	N 30.38058 W 86.85615	<del>X</del>	08:13	same as yesterday	Upper	1m 0395	Dist.	Yes	Sand around carcass caved in slightly. More feathers, more of leg exposed.
						5m 0396			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	<del>X</del>	08:21	same as yesterday	Low	1m 0397	Dist.	Yes	No obvious changes from previous day.
						5m 0398			
						25m N/A			
67/68 L	N 30.38158 W 86.84958	<del>X</del>	08:26	same as yesterday	Upper	1m 0399	Dist.	Yes	No obvious, significant changes from previous day.
						5m 0400			
						25m N/A			
<del>X</del>						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011		Surveyors: Frank Sexton, Catrina Perez				Surveyor Signatures: 			
Survey Transect # WFL-11-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			Photo(s) ID# <sup>4</sup>
53/54 L	N 30.33585 W 87.11301	<del>X</del>	09:16	same as yesterday	Low	1m 0401	Dist.	Yes	rising <input checked="" type="radio"/> falling, slack low, slack high
						5m 0402			
						25m N/A			
67/70 L	N 30.33576 W 87.11218	<del>X</del>	09:19	same as yesterday	Wrack	1m 0403	Dist.	Yes	Not significantly changed from yesterday.
						5m 0404			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	<del>X</del>	09:28	same as yesterday	Upper	1m 0405	Dist.	Yes	No significant changes from previous day.
						5m 0406			
						25m N/A			
47/48 Low	N 30.33806 W 87.10165	<del>X</del>	09:39	same as yesterday	Upper	1m 0407	Dist.	Yes	No obvious, significant changes. Body is buried, but head is exposed. Crab holes adjacent to carcass.
						5m 0408			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	<del>X</del>	09:43	same as yesterday	Wrack	1m 0409	OR	Yes	Decomposition along spine towards pectorals seems to have continued since yesterday.
						5m 0410			
						25m N/A			
<del>X</del>						1m	<del>X</del>		
<del>X</del>						5m	<del>X</del>		
<del>X</del>						25m	<del>X</del>		

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011  
 Survey Transect # AL-26-06  
 Surveyors: Catrina Paez, Frank Sexton  
 Surveyor Signatures: [Signatures]

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03705			Photo(s) ID# <sup>4</sup>
74/72 L	N 30.27869 W 87.52624	X	10:51	same as yesterday	Wrack	0411 1m 0412 <sup>CP</sup> 5m 0412 25m N/A	Dist.	Yes	No obvious changes from previous day.
73/74 L	N 30.27902 W 87.52376	X	10:57	same as yesterday	Low	0415 1m 0415 <sup>CP</sup> 5m 0416 0414 <sup>CP</sup> 25m N/A	Dist.	Yes	No changes from previous day. Sand mound still present, bird and block assumed to be underneath.
71/72 L	N 30.27909 W 87.52343	X	11:04	same as yesterday	Wrack	1m 0417 5m 0418 25m N/A	Dist.	Yes	No changes from previous day. Sand mound still present, bird and block assumed to be underneath.
124/125 M	N 30.27962 W 87.52137	X	11:08	same as yesterday	Upper	1m 0419 5m 0420 25m N/A	Dist.	Yes	No changes from previous day.
X						1m			
X						5m			
X						25m			
X						1m			
X						5m			
X						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging); "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011

Surveyors: ~~Frank Sexton~~, Catrina Paez

Surveyor Signatures: *[Handwritten signatures]*

Survey Transect # WFL-15-02

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						803705			Photo(s) ID# <sup>4</sup>
114/115 M	N 30.38058 W 86.85615	X	07:54	same as yesterday	Upper	1m 0421	Dist.	Yes	No obvious changes from previous day.
						5m 0422			
						25m N/A			
101/99 L	N 30.38121 W 86.85150	X	08:03	same as yesterday	low	1m 0423	Dist.	Yes	No obvious changes from previous day.
						5m 0424			
						25m N/A			
67/68 L	N 30.38156 W 86.84958	X	08:07	same as yesterday	Upper	1m 0425	Dist.	Yes	No significant, obvious changes from previous day.
						5m 0426			
						25m N/A			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			
X	X	X	X	X	X	1m	X	X	X
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011		Surveyors: Frank Sexton, Catrina Paez				Surveyor Signatures: <i>[Signatures]</i>			
Survey Transect # WFL-11-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes									
53/54 L	N 30.33585 W 87.11301	<del>X</del>	08:59	same as previous day	Low	1m 0427	Dist.	Yes	No obvious changes. Bird still mostly covered by sand.
						5m 0428			
						25m N/A			
67/70 L	N 30.33578 W 87.11218	<del>X</del>	09:03	N/A	N/A	1m 0429	Miss.	No	None
						5m 0430			
						25m N/A			
35/36 M	N 30.33701 W 87.10710	<del>X</del>	09:10	same as yesterday	Upper	1m 0431	Dist.	cp No Yes	No obvious changes from previous day.
						5m 0432			
						25m N/A			
47/48 L	N 30.33806 W 87.10165	<del>X</del>	09:19	same as yesterday	Upper	1m 0433	Dist.	Yes	No significant changes from previous day.
						5m 0434			
						25m N/A			
80/81 M	N 30.33827 W 87.10020	<del>X</del>	09:22	same as yesterday	Wrack	1m 0435	OR	Yes	No obvious, significant changes from previous day.
						5m 0436			
						25m N/A			
<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	<del>X</del>	1m	<del>X</del>	<del>X</del>	<del>X</del>
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/26/2011		Surveyors: Frank Sexton, Catrina Paez					Surveyor Signatures: <i>[Handwritten Signatures]</i>		
Survey Transect # AL-26-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03705	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>			Notes
74/72 L	N 30.27869 W 87.52624	<del>X</del>	10:28	same as yesterday	Wrack	1m 0437 5m 0438 25m N/A	Dist.	Yes	Bird almost entirely covered by sand. Only beak and part of head exposed.
73/74 L	N 30.27902 W 87.52376	<del>X</del>	10:33	same as yesterday	Low	1m 0439 5m 0440 25m N/A	Dist.	Yes	No obvious changes from previous day.
71/72 L	N 30.27909 W 87.52343	<del>X</del>	10:35	same as yesterday	Wrack	1m 0441 5m 0442 25m N/A	Dist.	Yes	still covered in pile of sand.
124/125 M	N 30.27962 W 87.52187		10:39	same as yesterday	Upper	1m 0443 5m 0444 25m N/A	Dist.	Yes	No significant changes from previous <sup>th</sup> day.
<del>X</del>						1m			
<del>X</del>						5m			
<del>X</del>						25m			
<del>X</del>						1m			
<del>X</del>						5m			
<del>X</del>						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:				Surveyor Signatures:				
06/12/2011		Nate Wintle - USFWS Celina Bellanceau - Cardno				NATE W. <i>Celina Bellanceau</i>				
Survey Transect #		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
NFL 38-07						Photo(s) ID# <sup>4</sup>	Notes			
90/ 92 L	29.9181 -85.3825	X	08:45	X	X	1m 49	Miss.	No	Wrack higher today	
	5m 50									
	25m X									
116/ 117 M	29.9131 -85.3774	1150	09:00	29.9131 -85.3774	Wrack	1m 51	Dist	Yes	moved moved to be under bird	
	5m 52									
	25m <del>53</del>									
122/ 123 S	29.9116 -85.3760	1360	09:08	29.9116 -85.3761	Low	1m 54	OR	Yes	Partially buried	
	5m 55									
	25m 56									
55/ 56 L	29.9091 -85.3736	X	09:19	X	X	1m 57	Miss.	No	Found block at 106/107	
	5m 58									
	25m /									
106/ 107 M	29.9082 -85.3727	1870	09:23	29.9081 -85.3726	Wrack	1m 59	Int	Yes	Repositioned block (was ~4ft away) under bird.	
	5m 60									
	25m 61									
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),<sup>6</sup> "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/14/2011		Surveyors: NATE WISOLE CELINA BELLANCAU				Surveyor Signatures: <i>Nate Wisole</i> <i>Celina Bellancau</i>							
Survey Transect # WFL 38-07		Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
Photo(s) ID# <sup>4</sup>								rising, falling, slack low, <u>slack high</u>					
116/117 M	29.9131 -85.3774	1158	0847	same	WRACK	1m	93	DIST	Yes	Head scavenged, abdomen opened			
						5m	94						
						25m	95						
122/123 S	29.9116 -85.3761	X	0857	X	X	1m	96	Miss	Moved	0857 Missing Block found 1350 m beyond placement			
						5m	97						
						25m	X						
106/107 M	29.9081 -85.3726	same: no 0907 <sup>40</sup> 1866	0907	same	WRACK	1m	98	Int	Yes	No change			
						5m	99						
						25m	100						
X	X	X	X	X	X	1m		X	X	Other birds still missing			
						5m							
						25m							
X	X	X	X	X	X	1m		X	X	X			
						5m							
						25m							
X	X	X	X	X	X	1m		X	X	X			
						5m							
						25m							

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/15/2011		Surveyors: NATE WINYUE CELINA BELLANCAU				Surveyor Signatures: NATE WINYUE Celina Bellancau				
Survey Transect # WFL 38-07		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			
116/117 M	Same: 29.9131 -85.3774	Same: 1158	0847	Same	LOW	1m 121	Int.	Yes	Mostly buried in sand	
						5m 122				
						25m 123				
106/107 M	Same: 29.9081 85.3726	Same:	0909	Same	WRACK	1m 124	OR	Yes	Partially buried in sand	
						5m 125				
						25m 126				
122/123 S	Missing	X	0900	X	X	1m	X	X	still missing	
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	others still missing	
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	X	
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/16/2011		Surveyors: NATE WINTLE CELINA BECAUCEAU				Surveyor Signatures: NATE WINTLE Celina Beauceau				
Survey Transect # WFL 38-07										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high
Notes										
116/117 M	29.9131 -85.3774	same	0944	same	low	1m	141	Int	NO	95% buried by sand
						5m	142			
						25m	143			
106/107 M	29.9081 -85.3726	same	0950	same	wrack	1m	144	OR	NO	50% buried in sand
						5m	145			
						25m	146			
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/17/11		Surveyors: Nate Wintle Celina Bellanceau			Surveyor Signatures: <i>Nate Wintle</i> <i>Celina Bellanceau</i>						
Survey Transect # WFL-38-07											
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
116/ 117 M	29.9131	same	0942	same	Low	1m	159	SB	No	99% covered in sand	
	85.3774			5m		160					
				25m		161					
106/ 107 M	29.9081	same	0950	same	Wreck	1m	162	SB	No	60% covered in sand	
	85.3726			5m		163					
				25m		164					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 10/18/11  
 Surveyors: DATE WEAVER, CELINA BEVANCO  
 Surveyor Signatures: DATE WEAVER, Celina Bevanco

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present <sup>6</sup>	Title (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
116/117 M	29.9131 -85.3774	same	0947	same	Low Wrack	1m	177	Skin	No	rising	Only feathers exposed. Post is covered. Maggot nearby
						5m	178				
						25m	179				
106/107 M	29.9081 -85.3726	same	0955	same	Wrack	1m	180	SB	No	falling	
						5m	181				
						25m	182				
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/19/11		Surveyors: Nate Wintle Celina Bellanceau				Surveyor Signatures: <i>Celina Bellanceau</i> <i>NATE WINTLE</i>				
Survey Transect # WFL-38-07		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			rising, falling, slack low, slack high
116/ 117 M	29.9131 -85.3774	<del>LOW</del>	1002	<del></del>	<del></del>	1m 195 5m 196 25m <del>X</del>	MISS.	NO	No longer exposed.	
106/ 107 M	29.9081 -85.3726	same	1009	same	WRACK	1m 197 5m 198 25m 199	SB	NO	Placed a replacement block ghost crab burrows nearby	
						1m 5m 25m				
						1m 5m 25m				
						1m 5m 25m				
						1m 5m 25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:				Surveyor Signatures:				
06/20/11		Nate Wintle Celina Bellanceau				NATE WINTLE <i>[Signature]</i>				
Survey Transect #		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
WFL-38-07						GPS Location <sup>2</sup> Prev. Day	Photo(s) ID# <sup>4</sup>			Notes
116/117 L	X	X	1017	X	X	1m	X	MISS	No	Beach groomed Carcass still missing
						5m	X			
						25m	X			
106/107 L	29.9081	same	1022	same	Upper	1m	212	SB	Yes	Partially buried
	85.3726					5m	213			
						25m	214			
<del>_____</del>										
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/21/11  
 Surveyors: Nate Wintle, Celina Bellanceau  
 Surveyor Signatures: *Nate Wintle*, *Celina Bellanceau*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
106/107 L	29.9081	X	1022	X	X	1m 227	Miss.	No	Tire tracks Possible grooming
	5m 228								
	25m X								
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/22/11

Surveyors: Nate Wintle  
Celina Bellanceau

Surveyor Signatures:

*Nate Wintle*  
*Celina Bellanceau*

Survey Transect # WFL-38-07

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
106/ 107 L	Missing N/A					<del>1m 5m 25m</del>	MISS.	No	(circled) rising	Still missing
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Beach Seed Day

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Nate Wintle - USFWS Celina Bellanceau - Cardno				Surveyor Signatures: Nate W., Celina Bellanceau				
Survey Transect # WFL 41-06										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: Nikon Coolpix L22		Carcass State <sup>5</sup>	Block Present? <sup>5</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising, falling, <u>slack low</u> , slack high
63/ 64 L	N/A	692	14:27	29.6800	Low	1m	31	Int.	Yes	X
				85.2537		5m	32			
						25m	33			
18/ 91 L	N/A	1496	14:40	29.6780	Low	1m	34	Int.	Yes	X
				85.2458		5m	35			
						25m	36			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m		<del> </del>	<del> </del>	X
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m		<del> </del>	<del> </del>	X
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m		<del> </del>	<del> </del>	X
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m		<del> </del>	<del> </del>	X
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Nate Wittle - USFWS Celina Bellanceau - Cardno				Surveyor Signatures: NATE W. <i>Celina Bellanceau</i>				
Survey Transect # WFL 41-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			
L 63/64	29.6800 <del>85.2537</del>	912	1132	29.6800 <del>85.2537</del>	Upper	1m 78	Wing and Head	Yes	Head only left ! wing 10 meters away, higher on beach.	
	5m 79									
	25m 80									
L 18/91	29.6780 -85.2458	X	1150	X	X	1m 81	Miss.	No	X	
	5m 82									
	25m									
X	X	X	X	X	X	1m	X	X	X	
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	X	
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	X	
						5m				
						25m				
X	X	X	X	X	X	1m	X	X	X	
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),

<sup>6</sup> "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/14/2011		Surveyors: NATE WENTLE LELINA BELLACEAU				Surveyor Signatures: NATE WENTLE Lelina BellacEAU				
Survey Transect # WFL 41-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			rising, falling, slack low, slack high
63/64 L	29.6800 85.2537	same	1041	same	Upper	1m	115	Wing	Yes	only wing present high on beach Head gone Block placed with wing
						5m	116			
						25m	117			
			1053-08 NW			1m				other birds still missing
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/15/2011		Surveyors: NATE WINTIE CELINA BELLANCAU			Surveyor Signatures: NATE WINTIE Celina Bellancau						
Survey Transect # WFL 41-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	rising, falling, slack low, slack high				
63/64 L	29.6800 -85.2537	same	1022	same	Upper	1m	135	Wing	Yes	wing only still	
						5m	136				
						25m	137				
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/16/2011		Surveyors: NATE WINTRE LELINA BELLANCAU				Surveyor Signatures: NATE WINTRE Lelina Bellancau				
Survey Transect # WFL 41-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			
63/64 L	29.16800 -86.2637	Same	LOSS	Same	Upper	1m	153	Wing	Yes	50% buried in sand Feathers scattered
						5m	154			
						25m	155			
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/17/2011 <sup>CBW</sup> Surveyors: Nate Wintle  
Celina Bellanca Surveyor Signatures: Nate Wintle  
Celina Bellanca

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
63/ 64 L	29.6800	Same	1049	Same	Upper	1m 171	Wing	Yes	Tire tracks. Partially buried.
	5m 172								
	25m 173								
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011  
 Surveyors: Nate Wintle, Celina Bellancau  
 Surveyor Signatures: Nate Wintle, Celina Bellancau  
 Survey Transect # WFL-41-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high
Notes										
63/ 64 L	29.6800	SAME	1053	same	Upper	1m	189	Wing	yes	Tire tracks
	5m					190				
	25m					191				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/19/11		Surveyors: Celina Bellanca Nate Wintle			Surveyor Signatures: <i>Nate Wintle</i> <i>Celina Bellanca</i>					
Survey Transect # WFL-41-06										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Fide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>				Notes
63/	29.6800	same	1104	Same	Upper	1m	206	Wing	Yes	Tire tracks
64	-85.2537					5m	207			
L						25m	208			
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/11  
 Survey Transect # WFL-41-06  
 Surveyors: Nate Wintle  
 Celina Bellanceau  
 Surveyor Signatures: Nate Wintle  
 Celina Bellanceau

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
63/	29.6800	same		same		1m	221	Wing	Yes	No remarkable change	
64	-85.2537		1126		Upper	5m	222				
						25m	223				
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/21/11

Surveyors: NATE WENTIS  
CELINA BELANGETH

Surveyor Signatures: NATE WENTIS  
CELINA BELANGETH

Survey Transect # WFL-41-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			<input checked="" type="radio"/> rising <input type="radio"/> falling, slack low, slack high	
63/	29.6800	same	1126	same	Upper	1m 235	Wing	Yes	<input checked="" type="radio"/> rising	No remarkable change
64	85.2537					5m 236				
						25m 237				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/22/11

Surveyors: Nate Wintle  
Celina Bellanceau

Surveyor Signatures:

*Nate Wintle*  
*Celina Bellanceau*

Survey Transect # WFL-41-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
63/ 64	29.6800 85.2537	Same	1040	Same	Upper	1m 247	Wing	Yes	rising	No noticeable change.
						5m 248				
						25m 249				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/23/11		Surveyors: Nate Wintle Cetina Bellanceau			Surveyor Signatures: Nate Wintle Cetina Bellanceau					
Survey Transect # WFL-41-06										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high
63/	29.6800	same	942	same	Upper	1m 258		Wing	Yes	No noticeable change
64	85.2537					5m 259				
						25m 260				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/24/11

Surveyors: Nate Wintle  
Celina Bellancau

Surveyor Signatures: *Nate Wintle*  
*Celina Bellancau*

Survey Transect # WFL-41-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
63/	29.6800	same	1205	same	Upper	1m	267	Wing	Yes	<input checked="" type="radio"/>	No noticeable change
64	-85.2537					5m	268				
						25m	269				
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:				
6/25/11		WFL-41-06		Nate Wintle Celina Bellancau			Nate Wintle Celina Bellancau				
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
										Notes	
63/64	29.6800	same	1021	same	Upper	1m 276	5m 277	25m 278	SBNO Wing	Yes	Tire tracks present.
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/26/11

Surveyors: Nate Wintle  
Celina Bellanceau

Surveyor Signatures:

*Nate Wintle*  
*Celina Bellanceau*

Survey Transect # WFL-41-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, <u>slack low</u> , slack high
63/ 64	<del>Same as prev</del> 29.6800 -85.2537	Same	0852	Same	Upper	1m 279	Wing	Yes	Notes Tire tracks present.
						5m 280			
						25m 281			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Nate Wirtle - USFWS Celina Bellanceau - Cardno		Surveyor Signatures: Nate W. <i>Celina Bellanceau</i>							
Survey Transect # WFL 39-06											
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today -	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, <u>slack low</u> <del>slack high</del> <sup>NW CB</sup>	
112/113 M	N/A	145	15:20	29.7798 -85.4090	Upper	1m	37	Int.	Y		
						5m	38				
						25m	39				
57/58 L	N/A	485	15:30	29.7768 -85.4083	Upper	1m	40	Int.	Y		
						5m	41				
						25m	42				
65/ 66 L	N/A	846	15:56	29.7737 -85.4073	Wrack	1m	43	Int.	Y		
						5m	44				
						25m	45				
85/ 52 L	N/A	1990	16:17	29.7637 -85.4046	Upper	1m	46	Int.	Y		
						5m	47				
						25m	48				
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011

Surveyors: Celina Bellanceau - Cardno  
Nate Wintle - USFWS

Surveyor Signatures:

*Nate W. Bellanceau*

Survey Transect # WFL 3906

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising (falling), slack low, slack high
Notes										
85/52 L	<del>29.7637</del> <del>29.779806</del>	19 <sup>00</sup> 62	12:38	29.7637 85.4046	Upper	1m	83	Dist.	Yes	Falling
	5m					84				
	25m					85				
65/66 L	29.7737 -85.4073	X	12:54	X	X	1m	86	Miss.	No	X
	5m					87				
	25m					88				
57/58 L	29.7768 85.4083	X	13:28	X	X	1m	89	Miss.	No	X
	5m					92				
	25m					X				
112/113 M	29.7798 85.4098	X	13:16	X	X	1m	89	Miss.	No	X
	5m					90				
	25m									
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss" (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/14/2011		Surveyors: NATE WENTJE LELINA BELLANZONI				Surveyor Signatures: Nate Wentje Lelina Bellanzoni				
Survey Transect # WFL 3A-06		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			
85/52 L	29.7637 -85.4046	same	1120	SAME	Upper	1m 118	Dist	Yes	Other birds still missing	
						5m 119				
						25m 120				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf:<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): <u>6/15/2011</u>		Surveyors: <u>NATE WENTLE</u> <u>CELINA BELLOUEN</u>				Surveyor Signatures: <u>NATE WENTLE</u> <u>Celina Bellouen</u>				
Survey Transect # <u>WFL 39.06</u>		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			
<u>85/52</u> <u>L</u>	<u>29.7637</u> <u>-85.4016</u>	<u>same</u>	<u>1052</u>	<u>same</u>	<u>Upper</u>	1m <u>138</u>	<u>Dist.</u>	<u>Yes</u>	<u>Head + neck scavenged</u>	
						5m <u>139</u>				
						25m <u>140</u>				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 10/16/2011		Surveyors: NATE WINTIE CELINA BELLANCEAU		Surveyor Signatures: NATE WINTIE Celina Bellanceau					
Survey Transect # WFL 39-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
OS/2 L	29.7637 -85.4046	same	1127	same	Upper	1m 156	Dist	No	Head, neck, shoulder scavenged
						5m 157			
						25m 158			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

NWID Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form											
Date (mm/dd/yyyy): 06/17/2011			Surveyors: Nate Wintle - USFWS Celina Bellancau - Cardno				Surveyor Signatures: <i>Nate Wintle</i> <i>Celina Bellancau</i>				
Survey Transect # WFL 39-06											
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:			Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>					rising, falling, slack low, <u>slack high</u>
Notes											
85/52 L	29.7637	Same	1118	Same	Upper	1m	174	PR	No.	Ghost crab burrow near head Neck up scavenged - Placed new block with bird today	
	5m					175					
	25m					176					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/18/2011  
 Surveyors: Nate Wintle, Celina Bellancau  
 Surveyor Signatures: Nate Wintle, Celina Bellancau

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high	Notes
						Photo(s) ID# <sup>4</sup>				
85) 52 L	29.7637	SAME	1126	SAME	UPPER	1m 192	PR	Yes	rising	no remarkable change
	5m 193									
	25m 194									
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/19/11  
 Surveyors: Nate Wintle, Celine Bellanceau  
 Surveyor Signatures: Nate Wintle, Celine Bellanceau  
 Survey Transect #: WFL-39-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
85/ 52 L	29.7637	same	11 30	same	Upper	1m	209	PR	Yes	rising	maggots + other insects
						5m	210				
						25m	211				
	85.4046					1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/11  
 Surveyors: Nate Wintle, Celina Bellanceau  
 Surveyor Signatures: Nate Wintle, Celina Bellanceau

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
85/52 ①	29.76370	same	1155	same	Upper	1m	224	PR	Yes	rising	Ghost crabs, insects, partially buried
	5m					225					
	25m					226					
	85.40461					1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/21/11  
 Surveyors: Nate Wintle, Celma Bellancau  
 Surveyor Signatures: Nate Wintle, Celma Bellancau  
 Survey Transect # WFL-39-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
85/ 52 L	29,76370 85.40461	same	1152	same	Upper	1m 238	SB	Yes	Beach goers present
						5m 239			
						25m 240			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/22/11  
 Survey Transect # WFL-39-06  
 Surveyors: Nate Wintle, Celina Bellanceau  
 Surveyor Signatures: *Celina Bellanceau*, *NATE WINTLE*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
85/ 52 L	29.7637	<del>          </del>	1100	<del>          </del>	<del>          </del>	1m 250	Miss.	Yes	Found original block
	5m 251								
	25m X								
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/23/11		Surveyors: Nate Wintle Celina Bellanceau				Surveyor Signatures: <i>Nate Wintle</i> <i>Celina Bellanceau</i>			
Survey Transect # WFL-39-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
85/52	Missing/ N/A	<del>X</del>	1006	<del>X</del>	<del>X</del>	1m <del>X</del>	Miss	NO	Still missing
						5m <del>X</del>			
						25m <del>X</del>			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Nate Wirtle - USFWS Celina Bellanceau - Cardno				Surveyor Signatures: <i>Nate Wirtle, Celina Bellanceau</i>				
Survey Transect # WFL - 42-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: Nikon CoolPix L22		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			
76/77 L	N/A	85	09:45	<del>29.8657</del> <del>85.3454</del> 29.8649 85.3451	Wrack	1m	16	Int.	Yes	<del>Low</del>
						5m	17			
						25m	18			
44/50 L	N/A	166	09:52	<del>29.8657</del> <del>85.3454</del> 29.86430 85.3449	Low	1m	19	Int.	Yes	
						5m	20			
						25m	21			
86/ 87 M	N/A	1081	10:09	29.8565 85.3418	UPPER	1m	22	Int.	Yes	
						5m	23			
						25m	24			
104/ 105 L	N/A	1548	11:22	29.8530 85.3389	Upper	1m	25	Int.	Yes	
						5m	26			
						25m	27			
78/79 L	N/A	1737	11:30	29.8516 85.3379	Upper	1m	28	Int.	Yes	
						5m	29			
						25m	30			
						1m				
						5m				
						25m				

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Nate Wintle - USFWS Celina Bellanceau - Cardno				Surveyor Signatures: Nate W. Celina Bellanceau				
Survey Transect # WFL-42-01										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>				Notes
76/ 77 L	29.8649 -85.3451	0	10:00	29.8649 -85.3451	Upper	1m 62	5m 63	Int.	Yes	No change.
						25m 64				
44/50 L	29.8643 -85.3449	1600	10:37	29.8525 -85.3386	Low	1m 69	5m 70	Int.	No	* Originally not found so took photos at 65 (1meter) and 66 (5 meter) at 10:05 am. - Found floating in surf. - New GPS point named 44-50A
						25m 71				
86/ 87 M	29.8565 -85.3418	<del>X</del>	1020	<del>X</del>	<del>X</del>	1m 67	5m 68	Miss.	No	<del>X</del>
						25m <del>X</del>				
104/ 105 L	29.8530 -85.3389	<del>X</del>	1043	<del>X</del>	<del>X</del>	1m 72	5m 73	Miss.	No	<del>X</del>
						25m <del>X</del>				
78/ 79 L	29.8516 -85.3379	1502	10:48	29.8516 -85.3379	Wrack	1m 75	5m 76	OR.	Yes	Turkey vulture seen eating bird - 25m picture taken with zoom to document (photo 74)
						25m 74/77				
						1m				
						5m				
						25m				

\* Whole transect: Heavy wrack, more than 2 feet high.

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/14/2011		Surveyors: DATE WINTLE LESLIA BELANCEW				Surveyor Signatures: DATE WINTLE Leslia Belancew				
Survey Transect # WFL 42-01										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, <u>slack high</u>
76/77 L	29.8649 -85.3451	Same 85	0923	same	Upper	1m	101	Int	Yes	No change
						5m	102			
						25m	103			
44/50 L	29.8525 -85.3386	same	0927	same	Upper	1m	<del>104</del> <del>106</del> <del>109</del>	No	No	<del>0927 missing</del> 104-108 photos - errors 109-111 correct photos
						5m	<del>105</del> <del>107</del> <del>110</del> SB			
						25m	<del>108</del> <del>111</del>			
78/79 L	29.8516 -85.3379	same	0955	same	Upper	1m	112 <del>106</del> <del>108</del>	SB	Yes	Other birds still missing
						5m	113			
						25m	114			
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing; no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/16/2011		Surveyors: NATE WENTLE CELINA BELLANLEAO				Surveyor Signatures: NATE WENTLE Celina Bellanleao				
Survey Transect # WFL 42-01		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day					Photo(s) ID# <sup>4</sup>	Notes			rising, falling, slack low, slack high
76/77 L	29.8649	Same	1003	Same	Upper	1m	147	SB	Yes	
	-85.3451					5m	148			
						25m	149			
44/50 L	29.8523 <sup>0143</sup>	<del>          </del>	1019	<del>          </del>	<del>          </del>	1m		Miss	NO	
	-85.3386					5m				
						25m				
78/79 L	29.8516	Same	1019	Same	Upper	1m	150	SB	Yes	
	-85.3379					5m	151			
						25m	152			
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/17/2011 Surveyors: Nate Wintle Surveyor Signatures: Nate Wintle  
 Survey Transect # WFL-42-01 Celina Bellancau Celina Bellancau

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
76/77 L	29.8649 -85.3451	same	1003	same	Upper	1m 165	SB	Yes	<input checked="" type="radio"/>	
						5m 166				
						25m 167				
78/79 L	29.8516 -85.3379	same	1015	same	Upper	1m 168	SB	Yes	<input checked="" type="radio"/>	
						5m 169				
						25m 170				
<del>4</del>						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude, WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/18/11  
 Survey Transect # WFL 42-01  
 Surveyors: NATE WINTIE  
CELINA BELLANLEAO  
 Surveyor Signatures: NATE WINTIE  
Celina Bellanleao

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high	
76/77 L	29.8649 -85.3451	same	1006	same	Upper	1m	183	SB	Yes	ants	
						5m	184				
						25m	185				
78/79 L	29.8516 -85.3379	same	1018	same	Upper	1m	186	SB	Yes		
						5m	187				
						25m	188				
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/19/11		Surveyors: Nate Wintle Celina Bellanceau			Surveyor Signatures: <i>Celina Bellanceau</i> <i>Nate Wintle</i>					
Survey Transect # WFL-42-01										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				Notes
76/	29.8649	Same	1020	Same	Upper	1m 200	SB	Yes	Ants	
77	85.3451					5m 201				
L						25m 202				
78/	29.8516	same	1031	same	Upper	1m 203	SB	Yes	Ants + ghost crab burrow near carcass	
79	85.3379					5m 204				
L						25m 205				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/11  
 Surveyors: Nate Wintle, Celina Bellanceanu  
 Surveyor Signatures: Nate Wintle, Celina Bellanceanu

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high
76/ 77 L	29.8649 85.3451	same	1034	same	Upper	1m	1215	SB	Yes	No remarkable change.
						5m	216			
						25m	217			
78/ 79 L	29.8516 85.3379	same	1045	same	Upper	1m	218	SB	Yes	No remarkable change.
						5m	219			
						25m	220			
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/21/11

Surveyors: Nate Wintle  
Celina Bellanceau

Surveyor Signatures:

Nate Wintle  
Celina Bellanceau

Survey Transect # WFL-42-01

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			<input checked="" type="radio"/> rising, <input type="radio"/> falling, slack low, slack high
Notes									
76/ 77 L	29.8649 85.3451	same	1032	same	Upper	1m 229 5m 230 25m 231	SB	Yes	No remarkable change.
78/ 79 L	29.8516 85.3379	same	1042	same	Upper	1m 232 5m 233 25m 234	SB	Yes	No remarkable change
						1m 5m 25m			
						1m 5m 25m			
						1m 5m 25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/22/11 Surveyors: Nate Wintle  
Celina Bellanceau Surveyor Signatures: NATE WINTLE  
Celina Bellanceau

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
76/ 77 L	29. <del>8516</del> <sup>8516</sup> 85. 8649	same	956	same	Upper	1m 241	SB	Yes	<input checked="" type="radio"/>	Found covered by plastic carrier of some sort
	5m 242									
	25m 243									
78/ 79 L	29. 8516 85. 3379	same	1006	same	Upper	1m 244	SB	Yes	<input type="radio"/>	No noticeable change.
	5m 245									
	25m 246									
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
6/23/11		WFL-42-01		Nate Wintle Celina Bellanceau			DATE WINTLE Celina Bellanceau		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
76/ 77 L	29.8649	same	900	same	Upper	1m 252	SB	NO	Found covered by plastic container again. Uncovered
	5m 253								
	25m 254								
78/ 79 L	29.8516	same	0911	same	Upper	1m 255	SB	Yes	No noticeable change
	5m 256								
	25m 257								
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/24/11		Surveyors: Nate Wintle Celina Bellanceau			Surveyor Signatures: <i>Nate Wintle</i> <i>Celina Bellanceau</i>				
Survey Transect # WFL-42-01		Tide (circle one): <u>rising</u> , falling, slack low, slack high							
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>			
76/ 77 L	29.8649	same	1132	same	Upper	1m 261	SB	No	No noticeable change covered by plastic case again. Uncovered it.
	-85.3451					5m 262			
						25m 263			
78/ 79 L	29.8516	same	1142	same	Upper	1m 264	SB	Yes	No noticeable change
	-85.3379					5m 265			
						25m 266			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form									
Date (mm/dd/yyyy): 6/25/11			Surveyors: Nate Wintle Celina Bellanceau				Surveyor Signatures: Nate Wintle Celina Bellanceau		
Survey Transect # WFL-42-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
76/ 77 L	29.8649	same	0942	same	Upper	1m 270	SB	NO	Tire tracks present
	85.3151					5m 271			
						25m 272			
78/ 79 L	29.8516	same	0954	same	Upper	1m 273	SB	Yes	Tire tracks present
	85.3379					5m 274			
						25m 275			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/26/11  
 Surveyors: Nate Wintle  
 Survey Transect # WFL-42-01  
 Surveyor Signatures: Nate Wintle  
 Celina Bellanceau

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>	Notes			rising, falling, slack low, slack high
76/ 77 L	29.8649 -85.3451	same	0927	same	Upper	1m	285	SB	NO	X
						5m	286			
						25m	287			
78/ 79 L	29.8516 -85.3379	same	0912	same	Upper	1m	282	SB	Yes	X
						5m	283			
						25m	284			
						1m	285	BNW		X
						5m	28			
						25m				
						1m				X
						5m				
						25m				
						1m				X
						5m				
						25m				
						1m				X
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011		Surveyors: Josh Taylor Wendy Swindell				Surveyor Signatures: Josh Taylor Wendy Swindell				
Survey Transect # WFL 18-a										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: BO 3696		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising, <u>falling</u> , slack low, slack high
109/110 Large HEGU	n/a	642	0853	30.38318 -86.44168	upper	1m	1	Int	yes	WP 109-110
						5m	2			
						25m	3			
111/12 Med LAGU	n/a	1161	0915	30.38292 -86.44160	upper	1m	4	Int	yes	WP 11-12
						5m	5			
						25m	6			
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:		Tide (circle one):		
06/12/2011		WFL 18-02		Josh Taylor Wendy Swindell		Josh Taylor Wendy Swindell		rising, <u>falling</u> , slack low, slack high		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Bo 3696	Photo(s) ID# <sup>4</sup>			
09/20 Med HOME	n/a	52*	1010	30.38213 -86.43171	wrack	1m	7	Dist	yes	* moved from 75 m to 52 m due to people blocking access
						5m	8			
						25m	9			
9/10 Med WOOD	n/a	984	1108	30.38109 -86.42189	upper*	1m	10	Int	yes	* moved to just above the wrack due to people blocking access
						5m	11			
						25m	12			
93/88 Large WOOD	n/a	1270*	1120	30.38094 -86.41888	upper	1m	13	Int	yes	* moved to just beyond 1260 due to people blocking access
						5m	14			
						25m	15			
13/14 Med WOOD	n/a	1270*	1125	30.38082 -86.41888	wrack	1m	16	Int	yes	* moved to 1270 wrack due to people blocking access
						5m	17			
						25m	18			
30/29 Med WOOD	n/a	1745	1206	30.38048 -86.41405	upper	1m	19	Int	yes	n/a
						5m	20			
						25m	21			
27/26 Large HEGU	n/a	1975	1217	30.38019 -86.41169	low	1m	22	Dist	yes	n/a
						5m	23			
						25m	24			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.



Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011  
 Survey Transect # WFL 27-02  
 Surveyors: Josh Taylor Wendy Sundell  
 Surveyor Signatures: Josh Taylor Wendy Sundell

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, <u>slack low</u> , slack high	
39/40 Med. LAGU	n/a	183	1536	30.24183 -85.93147	upper	1m 37	Dist	yes		WP 39-40
						5m 38				
						25m 39				
102/101 Large NOGA	n/a	597*	1549	30.24000 -85.92761	upper	1m 40	Int	yes		* moved to east to avoid dense group of people on beach WP 102-101
						5m 41				
						25m 42				
78/75 Large	n/a	1426	1624	30.23641 -85.91997	upper	1m 43	Dist	yes		Dogs on beach WP 78-75
						5m 44				
						25m 45				
111/112 Large HEGU	n/a	1698	1639	30.23520 -85.91763	wrack	1m 46	Dist	yes		WP 111-112
						5m 47				
						25m 48				
541/42 LAGU	n/a	1988	1649	30.23391 -85.91502	low	1m 49	Dist	yes		* Bird weight on sheet is listed as 254g. Gull appeared to be larger weight and is likely med. WP 41-42
						5m 50				
						25m 51				
<del>_____</del>						1m	<del>_____</del>		<del>_____</del>	
<del>_____</del>						5m	<del>_____</del>		<del>_____</del>	
<del>_____</del>						25m	<del>_____</del>		<del>_____</del>	

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/12/2011

Survey Transect # WFL 28-07

Surveyors: Josh Taylor Wendy Swindell

Surveyor Signatures: *Josh Taylor* *W. Swindell*

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						B 03696			Photo(s) ID# <sup>4</sup>	
33/34 Med. LAGU	n/a	54*	1753	30.14688	Upper	1m 52	Dist	Yes	<input checked="" type="radio"/>	* moved bird 5 meters west due to public blocking access
				-85.76278		5m 53				
						25m 54				
62/84 (S) (ST) Med LG WODU	n/a	607	1809	30.14311	wrack	1m 55	Dist	Yes	<input type="radio"/>	groomed; tire tracks
				-85.75810		5m 56				
						25m 57				
61/83 Large WODU	n/a	991	1820	30.14078	low	1m 58	Int.	Yes	<input type="radio"/>	beach heavily trafficked
				-85.75517		5m 59				
						25m 60				
45/46 Med LAGU	n/a	1200	1830	30.13964	upper	1m 61	Dist	yes	<input type="radio"/>	beach heavily trafficked
				-85.75356		5m 62				
						25m 63				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

"S" = small, "M" = medium, "L" = large  
Latitude/Longitude. WGS 84. Decimal degrees.

Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line).  
On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
"Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011  
 Survey Transect # WFL 18-01  
 Surveyors: Josh Taylor Wendy Swindell  
 Surveyor Signatures: Josh Taylor Wendy Swindell

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: B03696		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>	rising, (falling) slack low, slack high				
109110 Large HEGU	30.38318 -86.44698	642	0846	30.38317 -86.44697	upper	1m	64	Dist.	Yes - bird off block	(falling)	Several crab holes around carcass; hole in lower abdomen but organs present
						5m	65				
						25m	66				
11112 Med LAGU	30.38292 -86.44160	1161	0918	30.38291 -86.44157	upper	1m	67	Dist.	Yes - bird off block	(falling)	crab holes nearby; no apparent scavenging; maggots in neck.
						5m	68				
						25m	N/A				
<del> </del>						1m		<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m					
						25m					
<del> </del>						1m		<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m					
						25m					
<del> </del>						1m		<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Josh Taylor Wendis Swiredd				Surveyor Signatures: Josh Taylor [Signature]											
Survey Transect # WFL 18-02		Dist. from Transect Start (m)		Time (military format)		GPS Location <sup>2</sup> Today		Position Relative to Surf <sup>3</sup>		Camera: Bo 31646 Photo(s) ID# <sup>4</sup>		Carcass State <sup>5</sup>		Block Present? <sup>6</sup>		Tide (circle one): rising, falling, slack low, slack high	
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day															Notes	
69170 Med HOME	30.38213 -86.38109	52		0935		n/a		n/a		1m	69	n/a	yes	carcass no longer present			
										5m	70						
										25m	n/a						
8110 Med WOOD	30.38109 -86.42189	984		1002		30.38108 -86.42190		upper		1m	71	Dist	yes	crab hole under carcass; base of tail lacerated; no other obvious scavenging			
										5m	72						
										25m	n/a						
83188 Large WOOD	30.38094 -86.41888	1270		1015		30.38090 -86.41888		upper		1m	73	Int	yes - bird off block	- ATU tracks - seagull tracks			
										5m	74						
										25m	n/a						
13114 Med WOOD	30.38082 -86.41888	1270		1017		30.38084 -86.41887		wrack		1m	75	Int	yes - bird off block	no obvious scavenging			
										5m	76						
										25m	n/a						
30129 Med WOOD	30.38048 -86.41405	1745		1053		30.38044 -86.41408		upper		1m	77	Int	yes	bird buried by people			
										5m	78						
										25m	n/a						
27126 Large HEGU	30.38018 -86.41169	1975		1100		30.38016 -86.41171		low		1m	79	Dist	yes	no obvious scavenging			
										5m	80						
										25m	n/a						

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<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/13/2011		Surveyors: Josh Taylor Wendy Sundell				Surveyor Signatures: Josh Taylor Wendy Sundell			
Survey Transect # WFL 28-07									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Bo 3696			Photo(s) ID# <sup>4</sup>
Notes									
33134 Med LAGU	30.14688 -85.76278	54	1602	30.14684 -85.76273	upper	1m 97 5m 98 25m n/a	Dist	yes	Bird in tire track; no obvious scavenging
62184 Lg. WOODU	30.14311 -85.75810	n/a	1629	n/a	n/a	<del>1m 5m 25m</del>	n/a	no	carcass gone
61183 Lg. WOODU	30.14078 -85.75517	n/a	1640	n/a	n/a	<del>1m 5m 25m</del>	n/a	no	Beach pedestrian told us he picked up bird + block and gave them to turtle patrol in morning
45146 Med LAGU	30.13964 -85.75356	1211	1645	30.13954 -85.75346	upper	1m 99 5m 100 25m n/a	Dist	yes - bird off block	no obvious scavenging
<del>Empty row</del>									
<del>Empty row</del>									

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/14/2011		WFL 18-01		Josh Taylor Wandy Swindell			Josh Taylor Wandy Swindell		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
109/110 Lg HEGW	30.38317 -86.44697	642	0836	Same as previous	upper	303696	Dist.	Yes	rising, falling, slack low, <u>slack high</u>
						1m 101			Prior distance 642; Prior state Dist.
						5m 102			5 large crabholes; large hole in abdomen but organs present
1112 M LAGU	30.38291 -86.44157	1161	0856	Same as previous	upper	n/a	Dist.	Yes	Prior distance 1161; Prior state Dist.
						1m 103			4 crabholes adjacent; head scavenged; laceration in tail larger
						5m 104			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	25m n/a	<del> </del>	<del> </del>	<del> </del>
						1m			
						5m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	25m	<del> </del>	<del> </del>	<del> </del>
						1m			
						5m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	25m	<del> </del>	<del> </del>	<del> </del>
						1m			
						5m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	25m	<del> </del>	<del> </del>	<del> </del>
						1m			
						5m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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WS ST

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011

Surveyors: Josh Taylor Wendy Swindell

Surveyor Signatures: Josh Taylor Wendy Swindell

Survey Transect # WFL 18-02

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
Notes										
91/10 Med WOODU	30.38108 -86.42190	n/a	0920	n/a	n/a	303696	n/a	no	rising	
						1m				Prior distance 984; Prior state Dist.
						5m				
25m										
93/88 Large WOODU	30.38090 -86.41888	n/a	0933	n/a	n/a	105	n/a	yes	falling	
						1m				Carcass gone - beach freshly groomed Prior distance 1270; Prior state Int.
						5m				
25m										
13/14 Med WOODU	30.38084 -86.41887	n/a	0933	n/a	n/a	106	n/a	no	falling	
						1m				Carcass gone; beach freshly groomed Prior distance 1270; Prior state Int.
						5m				
25m										
30/29 Med WOODU	30.38044 -86.41408	1747	0955	30.38044 -86.41404	upper	107	Int.	yes - bird off block	falling	
						5m				Prior distance 1745; Prior state Int. Carcass moved approx. 2m east and slightly buried by machinery
						25m				
27/26 Large HEGU	30.38016 -86.41171	1975	1004	same as previous	low	109	Dist.	yes - bird on block	falling	
						5m				Prior distance 1975; Prior state Dist. Tide has buried head
						25m				
1m										
5m										
25m										

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011		Surveyors: Josh Taylor Wendy Saurdal					Surveyor Signatures: <i>Josh Taylor Wendy Saurdal</i>			
Survey Transect # WFL 26-04										
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803696		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>				rising, falling, slack low, slack high
Notes										
30/31 Large NOGA	30.25384 -85.95852	4	1110	30.25379 -85.95853	upper	1m	111	Int	yes - Bird off block	Prior distance 3; Prior state Int  Dog tracks but no obvious scavenging
						5m	112			
						25m	n/a			
89/95 Large WOODU	30.25085 -85.95132	793	1129	30.25092 -85.95112	upper	1m	113	Dist	no - put new block	Prior distance 776; Prior state Dist  * Bird originally placed in wrack; looks like bird picked up by human and moved to upper
				5m		114				
				25m		115				
59/60 Med LAGU	30.25005 -85.94950	971	1146	30.25016 -85.94949	upper	1m	116	Dist.	no - put new block	Prior distance 975; Prior state Dist.  Bird moved, likely by humans; no obvious signs of injury; Bird in fire track now; hole in body cavity
				5m		117				
				25m		118				
73/71 Med MEGU	30.24788 -85.94485	n/a	1209	n/a	n/a	1m	119	n/a	yes	Prior distance 1475; Prior state Dist.  Carcass gone - photo of board only
						5m	X			
						25m	X			
<del> </del>						1m		<del> </del>		
						5m				
						25m				
<del> </del>						1m		<del> </del>		
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/14/2011		WFL 27-02		Josh Taylor Wendy Swindell			Josh Taylor Wendy Swindell		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BG 3656			Photo(s) ID# <sup>4</sup>
Notes									
39140 Med LAGU	30.24183 -85.93150	183	1225	same as previous	upper	1m 120 5m 121 <del>25m</del>	Dist	yes	Prior distance 183; Prior state Dist crab footprints but no holes
102101 Large NOGA	30.24001 -85.92758	597	1236	same as previous	wrack	1m 122 5m 123 <del>25m</del>	Int.	yes	Prior distance 597; Prior state Int crab footprints and few holes; no obvious scavenging
78175 Large	30.23645 -85.91999	1426	1248	same as previous	upper	1m 124 5m 125 <del>25m</del>	Dist	yes	Prior distance 1426; Prior state Dist no signs of scavenging
<del>Empty rows with diagonal lines</del>									

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/14/2011  
 Survey Transect # WFL 28-07  
 Surveyors: Josh Taylor Wendy Swindell  
 Surveyor Signatures: Josh Taylor Wendy Swindell

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high
Notes									
33/34 Med LAGU	30.14684 -85.76273	54	1420	Same as previous	upper	303696	Dist.	yes	Prior distance 54; Prior state Dist
						1m 126			
						5m 127			
45/46 Med LAGU	30.13954 -85.75346	1210	1431	Same as previous	upper	128	Dist.	yes	Prior distance 1210; Prior state Dist no obvious signs of scavenging
						5m 129			
						<del>25m</del>			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>1m</del>	<del> </del>	<del> </del>	<del> </del>
						<del>5m</del>			
						<del>25m</del>			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>1m</del>	<del> </del>	<del> </del>	<del> </del>
						<del>5m</del>			
						<del>25m</del>			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>1m</del>	<del> </del>	<del> </del>	<del> </del>
						<del>5m</del>			
						<del>25m</del>			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>1m</del>	<del> </del>	<del> </del>	<del> </del>
						<del>5m</del>			
						<del>25m</del>			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011		Surveyors: Josh Taylor Wendy Swindell			Surveyor Signatures: Josh Taylor Wendy Swindell				
Survey Transect # WFL 18-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						303096			rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
109/110 Large HEBU	30.38317 -86.44697	642	0822	same as previous	upper	1m 130	Dist.	yes	Prior: Dist 642; State Dist; Block Y contents of abdomen half empty from hole previously noted; crab holes (6) present and numerous crab tracks.
						5m 131			
						25m n/a			
11/12 Med LAGU	30.38291 -86.44157	1161	0840	same as previous	upper	1m 132	Dist.	yes	Prior: Dist 1161; State Dist; Block Y head chewed; at least half organs remain from hole in bottom of tail; 3 large crab holes and many crab tracks
						5m 133			
						25m n/a			
<del>XXXXXXXXXX</del>						1m	<del>XXXXXXXXXX</del>		
<del>XXXXXXXXXX</del>						5m			
<del>XXXXXXXXXX</del>						25m			
<del>XXXXXXXXXX</del>						1m	<del>XXXXXXXXXX</del>		
<del>XXXXXXXXXX</del>						5m			
<del>XXXXXXXXXX</del>						25m			
<del>XXXXXXXXXX</del>						1m	<del>XXXXXXXXXX</del>		
<del>XXXXXXXXXX</del>						5m			
<del>XXXXXXXXXX</del>						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/15/2011  
 Survey Transect #: WFL 1802  
 Surveyors: Josh Taylor Wendy Swindell  
 Surveyor Signatures: Josh Taylor Wendy Swindell

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising falling, slack low, slack high	
30129 Med WOOD	30.38044 -86.41464	1975	0909	same as previous	upper	303096	Dist.	yes - bird off block	rising	Bird Buried; no obvious signs of scavenging
						1m 136				
						5m 137				
						25m n/a				
						1m				
						5m				
						25m				
						* photos 134 and 135 are erroneous and should not be used				
27126 Large HEGL	30.38016 -86.41171	n/a	0920	n/a	n/a	1m	n/a	no		carcass gone; fresh tire tracks nearby
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/15/2011		WFL 26-04		Josh Taylor Wendy Swindell			Josh Taylor W Swindell		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Bo 31096			Photo(s) ID# <sup>4</sup>
Notes									
30131 Large NOGA	30.25379 -85.95853	n/a	1017	n/a	n/a	1m 138	n/a	yes	Prior distance 4; Prior state Int; Block 4
						5m 139			
						25m n/a			
89145 Large WDDU	30.25042 -85.95112	793	1030	same as previous	upper	1m 140	dist.	yes	Prior distance 793; Prior state Dist; Block - New
						5m 141			
						25m n/a			
59160 Med LAGEU	30.25016 -85.94949	971	1038	Same as previous	upper	1m 142	dist	yes	Prior distance 971; Prior state Dist; Block - New
						5m 143			
						25m n/a			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:			
06/15/2011		WFL 27-02		Josh Taylor Wendy Sandell			Josh Taylor Wendy Sandell			
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BO 3096	Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes										
39140 Med LAGU	30.24183 -85.93150	183	1050	same as previous	upper	1m	144	dist	yes	Prior distance 183; State Dist; Block Y Carcass buried - deep tire tracks nearby
						5m	145			
						25m	n/a			
1021101 Large NOGA	30.24001 -85.92788	597	1112	same as previous	wrack	1m	146	Int.	yes	Prior distance 597; State Int; Block Y Crab holes & tracks; gull tracks; no obvious scavenging
						5m	147			
						25m	n/a			
78175 Large	30.23645 -85.91999	1426	1124	same as previous	upper	1m	148	Dist	yes	Prior distance 1426; State Dist; Block Y Crab holes adjacent; no obvious scavenging
						5m	149			
						25m	n/a			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m	<del> </del>			
						25m	<del> </del>			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m	<del> </del>			
						25m	<del> </del>			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m	<del> </del>			
						25m	<del> </del>			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

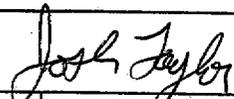
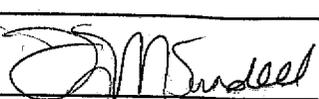
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.



Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/16/2011		NFL 1801		Josh Taylor Wendy Sundell			 		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Bo 3696			Notes
						Photo(s) ID# <sup>4</sup>			
109/110 Large HEBU	30.38317 -86.44697	n/a	0845	n/a	n/a	1m Disregard #154, 155	n/a	No	rising, falling, slack low, <u>slack high</u> Prior: Dist 642 State: Dist. Carcass gone, block gone, tire tracks adjacent to location where carcass last observed. No obvious tidal influence or tracks from scavengers
						5m Photos #156 and #157			
						25m shows approx. location of previous carcass at 1m and 5m			
11/12 Med LAGU	30.38291 -86.44157	n/a	0902	n/a	n/a	1m 158	n/a	Yes	Prior: Dist 1161 State: Dist Carcass gone, block remains; dog tracks and tire tracks lead to bird location; leg band from bird present; crab holes remain; no obvious tidal influence
						5m 159			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011  
 Survey Transect #: WFL 18-02  
 Surveyors: Josh Taylor Wendy Swindell  
 Surveyor Signatures: [Signatures]

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	
						Bo. 3696			Photo(s) ID# <sup>4</sup>	rising, falling, slack low, <u>slack high</u>
Notes										
30/29 Med WODA	30.38044 -86.41404	1975 <del>1975</del> <u>WS</u> <u>ST</u>	0445 <del>0445</del> <u>WS</u> <u>ST</u>	same as previous <del>same as previous</del> <u>WS</u> <u>ST</u>	upper	1m 160	Dist.	yes		Distance prior 1975; Error State Dist. grooming tracks + tire tracks on top of partially buried bird
						5m 161				
						25m n/a				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:				Surveyor Signatures:			
Survey Transect #									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
89/95 Large WDD16	30.25692 -85.45112	793	1040	same as previous	upper	1m 162	Dist.	Yes	rising, falling, slack low, <u>slack high</u>
						5m 163			
						25m n/a			
59/60	30.25016 -85.94949	971	1053	same as previous	upper	1m 164	Dist.	Yes	Prior dist 793; Prior state Dist tire tracks (deep) nearby; fresh rain likely washed away any tracks present
						5m 165			
						25m n/a			
						1m			Prior dist 971; Prior state Dist maggots throughout abdominal cavity; deep tire tracks adjacent; partially covered by sand
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/16/2011  
 Survey Transect # WFL 28-07  
 Surveyors: Josh Taylor Wendy Swindell  
 Surveyor Signatures: Josh Taylor Wendy Swindell

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						803696			rising, falling, black low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
33/34 Med LAGU	30.14684 -85.76273	54	1205	Same as previous	upper	1m 172	Dist.	yes	Prior Dist 54; Prior state Dist. Tire tracks on either side; hole in abdomen shows bird decomposing
						5m 173			
						25m n/a			
45/46 Med LAGU	30.13954 -85.75346	1200	1223	Same as previous	upper	1m 174	Dist	yes	Prior Dist 1200; Prior state Dist Carcass surrounded by beach chairs; Carcass buried except for one wing
						5m 175			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:			
06/16/2011		WFL-27-02		Josh Taylor Wendy Swindell			Josh Taylor, W Swindell			
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Bo 3696	Photo(s) ID# <sup>4</sup>			<input checked="" type="radio"/> rising, <input type="radio"/> falling, <input type="radio"/> slack low, <input type="radio"/> slack high
Notes										
39/40 Med LAGU	30.24183 -85.93150	183	1105	same as previous	upper	1m	166	Dist	yes	Prior distance 183; Prior state Dist tire tracks nearby; no obvious scavenging; large colony of ants under carcass
						5m	167			
						25m	n/a			
102/101	30.24001 -85.92588	597	1115	same as previous	wrack	1m	168	Int Dist	yes	Prior distance 597; Prior state Int large crab hole under head; ATV tracks nearby; maggots in and below body cavity
						5m	169			
						25m	n/a			
78/75	30.23645 -85.91999	1426	1130	same as prev	upper	1m	176	Dist	yes	Prior distance 1426; Prior state Dist large crabholes under carcass; no obvious scavenging
						5m	171			
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: Josh Taylor Wendy Swindell				Surveyor Signatures: Josh Taylor Wendy Swindell			
Survey Transect # WFL 26-04									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BO3696			rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
89/45 Large WOOD	30.25092 -85.95112	793	0946	Same as previous	upper	1m 178	Dist.	YES	Prior dist. 793; Prior state Dist.
						5m 179			
						25m n/a			
59/60 Med	30.25016 -85.94449	971	0948	Same as previous	upper	1m 180	Dist.	YES	Prior dist 971; Prior state Dist
						5m 181			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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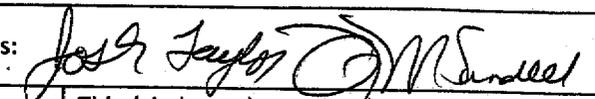
Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011  
 Survey Transect # WFL 18-02  
 Surveyors: Josh Taylor Wendy Swindle  
 Surveyor Signatures: Josh Taylor Wendy Swindle

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high
Notes									
30/24 Med WODLE	30.38044	1744	0811	30.38043	upper	30 3696 1m 176	Dist	NO	(circled) rising, falling, slack low, slack high Prior distance 1975; Prior State Dist Carcass decomposing but skin not majorly disturbed; Deep grooming tracks + ATV tracks nearby, moved ~ 2 m
	-86.4104			-86.41402		5m 177			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:		Surveyor Signatures:					
06/17/2011		Josh Taylor Wendy Swindell							
Survey Transect #									
WFL 27-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Bo 3696			rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
39/40 Med LARGE	30.24103 -85.93150	n/a	1008	n/a	n/a	1m 182*	n/a	no	no bird or board - beach freshly groomed *took photo of approx. location
						5m 183			
						25m n/a			
102/101 Large	30.24001 -85.92758	n/a	1024	n/a	n/a	1m 184 *	n/a	no	no bird or block - beach freshly groomed *Took photo of approx. location where bird should be
						5m 185			
						25m n/a			
78/75 Large	30.23645 -85.91999	n/a	1042	n/a	n/a	1m 186	n/a	no	no bird or block - beach groomed w/in last day or two, *Took photo of approx. location where bird should be
						5m 187			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/17/2011		Surveyors: Josh Taylor Wendy Swindell				Surveyor Signatures: Josh Taylor Wendy Swindell			
Survey Transect # NFL 28-07									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						803696			rising <u>falling</u> slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
33/34 Med LAGU	30.14684 -85.76273	54	1123	Same as previous	upper	1m 190 *	OR	yes	Prior distance 54; Prior state Dist. carcass partially buried - wings exposed; deep tide tracks nearby. * disregard photos 188 & 189 - on photo 190 & 191 should say upper
						5m 191			
						25m n/a			
45/46 Med LAGU	30.13954 -85.75346	1200	1142	Same as previous	upper	1m 192	Dist.	yes	Prior Dist 1200; Prior state Dist. only wing & block exposed - heavily trafficked area; many maggots present
						5m 193			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		06/19/2010		Surveyors: Josh Taylor Wendy Swindell			Surveyor Signatures: <i>Josh Taylor Wendy Swindell</i>		
Survey Transect #		WFL 26-04							
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BO 3696			rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
89/95 Large WOOD	30.25092 -85.95112	799	0900	30.25089 -85.95106	Upper	1m 196	Dist.	no	bird slightly buried - run over by greener. Many tracks nearby - do not appear to be large mammal or avian.
						5m 197			
						25m n/a			
59/60 Med	30.25016 -85.94949	971	0913	same as previous	Upper	1m 198	SB	yes	WP 89-95 N2 - (new) bird partially buried but feathers exposed; freshly groomed
						5m 199			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

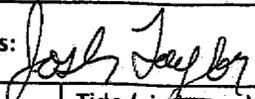
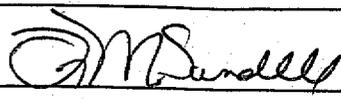
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Tract #		Surveyors:			Surveyor Signatures:		
06/18/2011		NFL 28-07		Josh Taylor Wendy Swindell			Josh Taylor Wendy Swindell		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high
Notes									
33134 Med LATGL	30.14684 -85.76273	54	0954	Same as previous	upper	1m 200	SB	yes	Prior dist. 54; Prior state Dist only head buried; deep tire tracks adjacent; 2 large crab holes
						5m 201			
						25m n/a			
45146 Med LATGL	30.13954 -85.75346	1200	1009	Same as previous	upper	1m 202	SB	yes	Prior dist 1200; Prior state dist only wing exposed - rest of body buried; large crab hole underneath; bird surrounded by beach chairs
						5m 203			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:		Surveyor Signatures:					
06/18/2011		Josh Taylor Wendy Swindell		 					
Survey Transect #		Camera:		Tide (circle one):					
WFL 18-02		Bo 3696		<input checked="" type="radio"/> rising, <input type="radio"/> falling, <input type="radio"/> slack low, <input type="radio"/> slack high					
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Photo(s) ID# <sup>4</sup>	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
30/29 Med. wood	30.38044	1744	0807	same as previous	upper	1m 194	Dist	YES	Bird mostly buried - a few feathers visible. Groomers had run over area this morning and were still grooming beach when we arrived
	-86.4104					5m 195			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.



Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011  
 Survey Transect # WFL 18-02 Surveyors: Josh Taylor Wendy Swindell Surveyor Signatures: Josh Taylor Wendy Swindell

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high	
30/29 Med WOOD	30.38044 -86.4104	1744	0806	Same as previous	upper	BO 3096	OR	yes	Notes	
						1m 204				Prev. Dist 1744; Prev. Status Dist
						5m 205				
25m n/a										
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/19/2011

Surveyors: Josh Taylor Wendy Swindell

Surveyor Signatures: Josh Taylor Wendy Swindell

Survey Transect # WPL 26-04

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
89/95 Large WIDE	30.25089 -85.95706	799	0859	same as previous	upper	1m 206	OR	yes	rising, falling, slack low, slack high	Prev. distance 799; Prev. status Dist In deep tire track; crab hole nearby - crabs obviously scavenging
						5m 207				
						25m n/a				
59/60	30.25016 -85.94949	971	0905	same as previous	upper	1m 208	SB	yes	rising, falling, slack low, slack high	Prev. distance 971; prev status SB numerous crab tracks; 4 in tire tracks
						5m 209				
						25m n/a				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m <del> </del>	<del> </del>	<del> </del>	rising, falling, slack low, slack high	<del> </del>
						5m <del> </del>				
						25m <del> </del>				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m <del> </del>	<del> </del>	<del> </del>	rising, falling, slack low, slack high	<del> </del>
						5m <del> </del>				
						25m <del> </del>				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m <del> </del>	<del> </del>	<del> </del>	rising, falling, slack low, slack high	<del> </del>
						5m <del> </del>				
						25m <del> </del>				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m <del> </del>	<del> </del>	<del> </del>	rising, falling, slack low, slack high	<del> </del>
						5m <del> </del>				
						25m <del> </del>				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

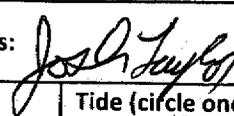
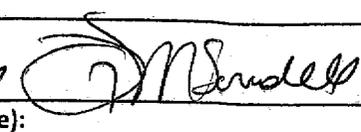
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:		Surveyor Signatures:					
06/20/2011		Josh Taylor Wendy Swindell		 					
Survey Transect #		Camera:		Tide (circle one):					
WFL 26-04		Photo(s) ID# <sup>4</sup>		rising, <u>falling</u> , slack low, slack high					
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes	
89/45 Large W/006	30. 25089 -85. 95106	799	0900	Same as previous	Upper	1m 216	OR	YES	Prev. Dist 799; Prev state OR Bird in deep tire track; crab tracks surrounding bird.
						5m 217			
						25m n/a			
59/60 Med	30. 25216 -85. 94949	971	0905	Same as previous	Upper	1m 218	SB	YES	Prev Dist 971; Prev. state SB Bird in deep tire track; some crab tracks nearby
						5m 219			
						25m n/a			
<del>_____</del>						1m			
<del>_____</del>						5m			
<del>_____</del>						25m			
<del>_____</del>						1m			
<del>_____</del>						5m			
<del>_____</del>						25m			
<del>_____</del>						1m			
<del>_____</del>						5m			
<del>_____</del>						25m			
<del>_____</del>						1m			
<del>_____</del>						5m			
<del>_____</del>						25m			

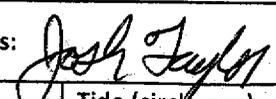
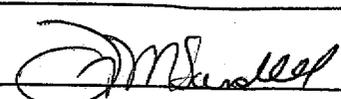
<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/20/2011		Surveyors: Josh Taylor Wendy Swindell			Surveyor Signatures: Josh Taylor Wendy Swindell				
Survey Transect # WFL 18-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high
30/29 Med Wood	30.38044	1744	0811	same as previous	upper	B03696	SB	yes	Prev. dist. 1744; Pen state OR 1 feather sticking out - remainder of bird buried; ATV tracks nearby; several large crab holes & tracks nearby
	-86.4104					1m 214			
						5m 215			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/20/2011		WFL 28-07		Josh Taylor Wendy Swireddell			 		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03696			Photo(s) ID# <sup>4</sup>
Notes									
33/34 Med	30.14684 85.76273	54	0944	same as previous	upper	1m 220	SB	yes	Prev. dest 54; Prev. state SB Crab tracks nearby; wing + partial breast exposed - remainder buried. Surrounded by beach umbrellas
						5m 221			
						25m n/a			
45/46 Med	30.13954 85.75346	1200	0956	same as previous	upper	1m 222	SB	yes	Prev. dest. 1200; Prev. state SB Bird completely buried near beach chairs
						5m 223			
						25m n/a			
<del>Empty rows with large X marks</del>									

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: Josh Taylor Wendy Swindell			Surveyor Signatures: <i>Josh Taylor</i> <i>W Swindell</i>				
Survey Transect # WFL 28-07									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03696			Photo(s) ID# <sup>4</sup>
33/34 Med	30.14684 -85.76273	54	0936	Same as previous	upper	1m 230	SB	yes	Notes Prev. dist 54; Previous state SB Crab tracks + holes present
						5m 231			
						25m n/a			
45/46 Med	30.13954 -85.75346	1200	0947	Same as previous	upper	1m 232	SB	yes	Notes Prev. dist 1200; Prev. state SB bird completely burned + surrounded by chairs
						5m 233			
						25m n/a			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011

Survey Transect # WFL 26-04

Surveyors: Josh Taylor Wendy Swindell

Surveyor Signatures: Josh Taylor Wendy Swindell

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
89195 Large WDDU	30.25089 -85.95106	799	0856	Same as previous	upper	BO 3696	OR	yes	Prev. dist 799; Prev. state OR In deep tire track; crab tracks + large crab hole present; lots of ants + maggots
						1m 226			
						5m 227			
59160 Med	30.25016 -85.94949	971	0902	Same as previous	upper	n/a	SB	yes	Prev. dist 971; Prev. state SB In deep tire track; crab holes + tracks nearby; wing broken off
						1m 228			
						5m 229			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/21/2011		Surveyors: Josh Taylor Wendy Swindell			Surveyor Signatures: Josh Taylor Wendy Swindell				
Survey Transect # WFL 18-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: 803693	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
30/29 Med WORN	30.38044 -86.4104	1744	0804	same as previous	upper	1m 224 5m 225 25m n/a	SB	yes	Prev. dist 1744; Prev. state SB Freshly groomed on top of bird; Bird partially buried - wings partially exposed.
<del>Empty rows with diagonal lines</del>									

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.



## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/22/2011		WFL 28-07		Josh Taylor Wendy Sundell			Josh Taylor Wendy Sundell		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Bo 3696			Photo(s) ID# <sup>4</sup>
Notes									
33/34 Med.	30.14684 -85.76273	54	1047	Same as previous	upper	1m 240	SB	NO - made new block	Prev. dist 54; Prev. state SB crab tracks adjacent; beach tents nearby; crab hole near bird
						5m 241			
						25m n/a			
45/46 Med	30.13954 -85.75346	1200	1102	Same as previous	upper	1m 242	PG/wing	yes	Prev. dist 1200; Prev. state SB bird completely buried and surrounded by beach chairs
						5m 243			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

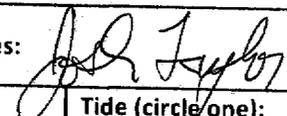
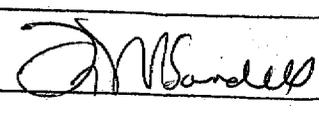
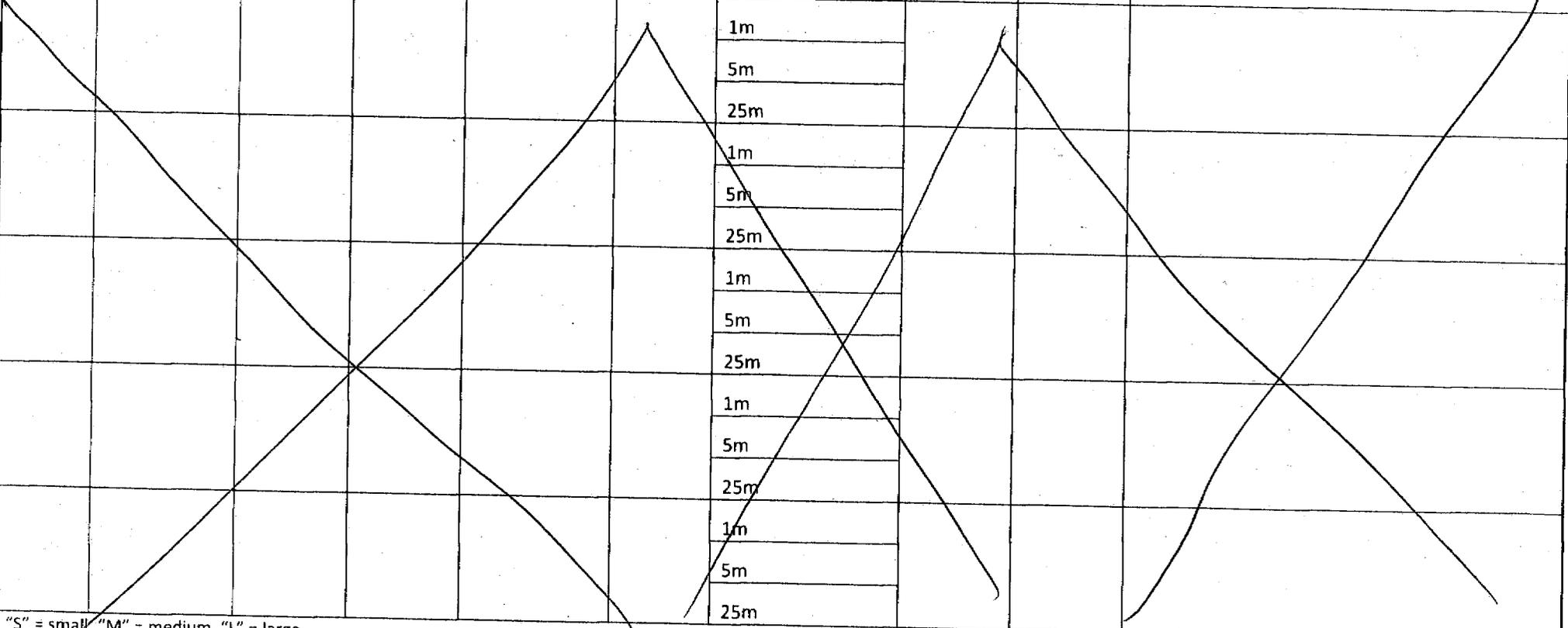
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/22/2011		WFL 18-02		Josh Taylor Wendy Swindell			 		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						603696			Photo(s) ID# <sup>4</sup>
Notes									
35/29 Med Wool	30.38044 -86.4104	1744	0705	Same as previous	upper	1m 234 5m 235 25m n/a	SB	yes	Prev. dist 1744; Prev. state SB only 1 wing exposed - remainder of bird buried; many crab tracks nearby
									

<sup>1</sup>"S" = small, "M" = medium, "L" = large

<sup>2</sup>Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup>Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup>On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/23/2011		WPL 26-04		Josh Taylor Wendy Swindle			Josh Taylor Wendy Swindle		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BO 31096			Photo(s) ID# <sup>4</sup>
						Notes			
89/95 Large WODU	30.25089 -85.95106	799	0902	Same as previous	upper	1m 246	SB	yes	Prev. dist. 799; Prev. state SB crab tracks + hole present; in tire track
						5m 247			
						25m n/a			
59/60 Med.	30.25016 -85.94949	971	0908	Same as previous	upper	1m 248	SB	yes	Prev. dist 971; Prev. state SB crab tracks; in deep tire track
						5m 249			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

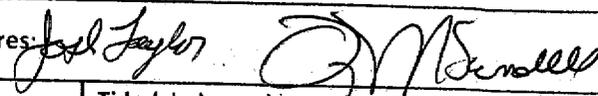
Date (mm/dd/yyyy): 06/23/2011

Survey Transect # WFL 18-02

Surveyors:

Josh Taylor Wendy Swadell

Surveyor Signatures:



Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
30/29 Med WOOD	30.38044 -86.4104	1744	0805	same as previous	upper	B03696	PG (wing) <del>Wing (2)</del> <del>ST</del>	Yes <del>No</del> <del>Low</del>	Prev. dist. 1744; Prev. state SB Bird buried by groomer ~ bird on pieces
						1m 244			
						5m 245			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:		Surveyor Signatures:													
06/24/2011		Josh Taylor Wendy Swindell		Josh Taylor Wendy Swindell													
Survey Transect #		GPS Location <sup>2</sup> Prev. Day		GPS Location <sup>2</sup> Today		Position Relative to Surf <sup>3</sup>		Camera:		Carcass State <sup>5</sup>		Block Present? <sup>6</sup>		Tide (circle one): rising, falling, slack low, slack high		Notes	
NFL 26-04								603696									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	1m	5m	25m	Photo(s) ID# <sup>4</sup>	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>						
59/95 Large WOBLE	30.25089 -85.95106	799	0856	Same as previous	upper	1m	256	SB	yes	SB	yes	Prev. dist. 799; Prev. state SB					
						5m	257					crab tracks whole present; many arts; adjacent to deep tire track					
						25m	n/a										
59/60 Med	30.25016 -85.94449	971	0900	Same as previous	upper	1m	258	SB	yes	SB	yes	Prev. dist 971; Prev. state SB					
						5m	259					head buried - body exposed; in deep tire track; crab tracks present					
						25m	n/a										
						1m											
						5m											
						25m											
						1m											
						5m											
						25m											
						1m											
						5m											
						25m											
						1m											
						5m											
						25m											

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/24/2011		Surveyors: Josh Taylor Wendy Swindell				Surveyor Signatures: Josh Taylor Wendy Swindell			
Survey Transect # WFL 18-02									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
30/29 Med WING	30.38044	1744	0806	Same as previous	UPPER	1m 254	Pb/wing	yes	Prev. dist 1744; Prev. state Pb/wing crab tracks; bird completely buried except wing tip
	5m 255								
	25m n/a								
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup>Latitude/Longitude. WGS 84. Decimal degrees.

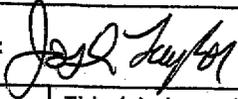
<sup>3</sup>Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/24/2011		WFL 28-07		Josh Taylor, Wendy Swindell			 		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						B03696			rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>	Notes		
33/34 Med	30.14684 -85.76273	54	0932	Same as previous	upper	1m 260	SB	<input checked="" type="checkbox"/> yes	Prev. dist 54; Prev. State SB 5 crab holes + many tracks; back portion of bird exposed - head buried
						5m 261			
						25m n/a			
45/46 Med	30.13954 -85.75346	1200	0943	Same as previous	upper	1m 262	PGLwing	yes	Prev. dist 1200; Prev. State PGLwing bird still buried at base of beach chair
						5m 263			
						25m n/a			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

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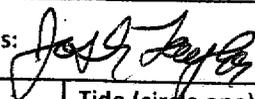
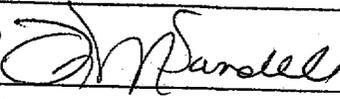
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.



## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:					
06/25/2011		WFL 18-02		Josh Taylor Wandy Swindell		 					
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):		
						Bo 3696			Photo(s) ID# <sup>4</sup>	rising, falling, slack low, slack high	
Notes											
30/29 Med WOOD	30.38044 -80.4104	n/a	0817	n/a	n/a	1m 264*	n/a	no	Prev. dist 1744) Prev. state P6/wing		
						5m 265*					Carcass gone - area freshly groomed
						25m n/a					* photos show no bird & grooming
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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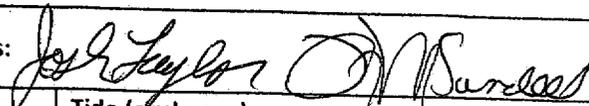
## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011

Survey Transect # WFL 28-07

Surveyors: Josh Taylor Wendy Swindell

Surveyor Signatures:



Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						B03696			Photo(s) ID# <sup>4</sup>	
33/34 Med	30.14684 -85.76273	54	0950	same as previous	upper	1m 270	SB	yes	falling	Prev. dist 54; Prev. state SB Crab tracks + holes present
						5m 271				
						25m n/a				
45/46 Med	30.13954 85.75346	1200	1004	same as previous	upper	1m 272	P6/wing	yes	falling	Prev. dist. 1200; Prev. state P6/wing bird buried - few feathers showing
						5m 273				
						25m n/a				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m				
						25m				
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>	<del> </del>	<del> </del>
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
06/26/2011		WFL 26-04		Josh Taylor Wendy Swindell			Josh Taylor Wendy Swindell		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						BO 3696			rising, <u>falling</u> , slack low, slack high
Notes									
89/95 Large WBBW	30.25089	799	0804	Same as previous	upper	1m 274	SB	yes	Prev. dist 799; Prev. state SB in deep tire track; many crab tracks present. Bagged up carcass + removed from beach.
	5m 275								
	25m n/a								
59/60 Med	30.25816	971	0809	Same as previous	upper	1m 276	SB	yes	Prev. dist 971; Prev. stated SB crab tracks; bird partially buried. Bagged up carcass + removed from beach.
	5m 277								
	25m n/a								
<del>Empty rows with diagonal lines</del>									

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<sup>2</sup>Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup>Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup>On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup>Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed, but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

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Mississippi Canyon 252 Oil Spill NFDIA Calcasieu Persistence Data Form

Page 1 of 1

Date (mm/dd/yyyy)		Location		Surveyors		Surveyor Signature			
06/21/2010		WV 28-01		Don Taylor, Wesley Kowalski		[Signatures]			
Station ID/Label	Approximate Date	Direction (North/South)	Time (Military Format)	GPS Location (Lat/Lon)	Position Relative to Well	Camera (Type/Photo/Video)	Calcasieu State	Block (Present?)	Notes (including station, filling, structure, etc.)
WV 28-01	06/21/2010	n/a	0719	n/a	n/a	In 279	n/a	Yes	Block 279, Block 280
WV 28-02	06/21/2010	n/a	0719	n/a	n/a	3av 280	n/a	Yes	Block 280, Block 281
WV 28-03	06/21/2010	n/a	0719	n/a	n/a	5m n/a	n/a	Yes	Block 280, Block 281
WV 28-04	06/21/2010	n/a	0719	n/a	Upper	In 281	n/a	Yes	Block 281, Block 282
WV 28-05	06/21/2010	n/a	0719	n/a	Upper	5m 282	n/a	Yes	Block 282, Block 283
						5m n/a			
						In			
						5m			
						5m			
						In			
						5m			
						5m			
						In			
						5m			
						5m			
						In			
						5m			
						5m			
						In			
						5m			
						5m			
						In			
						5m			
						5m			
						In			
						5m			
						5m			

WV 28-01 through 28-05 are the only stations that have been visited. All other stations are marked as 'n/a'.

Station ID/Label: WV 28-01 through 28-05

Approximate Date: 06/21/2010

Direction: n/a

Time: 0719

GPS Location: n/a

Position Relative to Well: n/a

Camera: n/a

Calcasieu State: n/a

Block (Present?): Yes

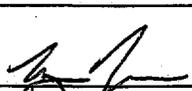
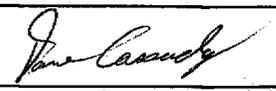
Notes: Block 279, Block 280, Block 281, Block 282, Block 283

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/12/2011		Surveyors: <i>Dane Cassidy LDWF</i> <i>Craig Tolliver cardno-entry</i>				Surveyor Signatures: <i>[Signature]</i> <i>Dane Cassidy</i>			
Survey Transect # LA 75-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, <u>slack low</u> , slack high
						Photo(s) ID# <sup>4</sup>			Notes
36/37 L	Carcass Deployed	714m	12:21	N29.76713 W93.51196	Wrack	1m 100-0004	Int	Yes	Public Access Beach Users present wpt 951
						5m 100-0005			
						25m 100-0006			
80/79 M	Carcass Deployed	783m	12:32	N29.76715 W93.51162	Low	1m 100-0007	Int	Yes	wpt 950
						5m 100-0008			
						25m 100-0009			
82/81 M	Carcass Deployed	1252m	12:44	N29.76766 W93.50765	Upper	1m 100-0010	Int	Yes	wpt 952
						5m 100-0011			
						25m 100-0012			
16/15 S	Carcass Deployed	1925m	12:56	N29.76829 W93.50060	Wrack	1m 100-0013	Int	Yes	wpt 953
						5m 100-0014			
						25m 100-0015			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

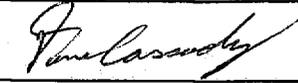
<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/2/2011		Surveyors: Dave Cassidy LDWP Craig Tolliver Cardno-Entry		Surveyor Signatures:  					
Survey Transect # LA 76-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
100-99 M	Carcass Deployed	266m	13:19	N29.76730 W93.39467	Wrack	1m 100-0016	Int	Yes	
						5m 100-0017			
						25m 100-0018			
22-14 M	Carcass Deployed	691m	13:36	N29.76623 W93.38555	Wrack	1m 100-0019	Int	Yes	wpt 954
						5m 100-0020			
						25m 100-0021			
20-19	Carcass Deployed	1253m	13:47	N29.76577 W93.38177	Low	1m 100-0022	Int	Yes	wpt 955
						5m 100-0023			
						25m 100-0024			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/13/2011		Surveyors: Dawn Cassidy LDWP Craig Tolliver Cardio-Entrix			Surveyor Signatures:  				
Survey Transect # LA 75-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, <u>slack low</u> , slack high
						Photo(s) ID# <sup>4</sup>			Notes
36/37 L	N29.76713 W93.51196	714 m	09:04 <del>N29.76713</del> <del>W93.51196</del> &	N29.76713 W93.51196	Wrack	1m 100-0026	Int	yes	
						5m 100-0027			
						25m 100-0028			
80/79 M	N29.76715 W93.51162	783 m	09:10	N29.76711 W93.51159	Low	1m 100-0029	Dist	<del>Yes</del> Moved	~ 3m movement from yesterday Many Ants within carcass Wpt 950
						5m 100-0030			
						25m 100-0031			
82/81 M	N29.76766 W93.50765	1252 m	09:24	N29.76766 W93.50765	Upper	1m 100-0032	Int	yes	Many Ant near Wpt 952
						5m 100-0033			
						25m 100-0034			
16/15 S	N29.76829 W93.50060	1425 m	09:35	N29.76829 W93.50060	Wrack	1m 100-0035	Int	yes	Wpt 953
						5m 100-0036			
						25m 100-0037			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/19/2011		Surveyors: Dane Cassidy LDWP Craig Tolliver Cardio-Entry				Surveyor Signatures: 					
Survey Transect # LA 76-06											
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:			Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>					Notes
100/99 M	N29.76730 W93.39467	266m	10:05	N29.76730 W93.39467	Wrack	1m 100-0038	Int	Yes			
						5m 100-0039					
						25m 100-0040					
22/14 M	N29.76623 W93.38555	691m	10:13	N29.76623 W93.38556	Wrack	1m 100-0041	Int	Yes			
						5m 100-0042					
						25m 100-0043					
20/19 S	N29.76577 W93.38177	1253m	10:29	N/A	N/A	1m	Missing	Yes moved			Block ~ 25m from deployment site. Searched 100m per SOP
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/13/2011		Surveyors: Dane Cassidy LDWF Craig Tolliver Cardno-Entrix			Surveyor Signatures: 				
Survey Transect # LA 562-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
48/49 L	Carcass Deployed	408m	12:38	N29.77722 W93.24022	Wrack	1m 100-0044	Int	Yes	
						5m 100-0046			
						25m 100-0046			
3/4 S	Carcass Deployed	751m	12:44	N29.77706 W93.23672	Low	1m 100-0047	Int <sup>et</sup> Dist	Yes	Skin Broken on neck when deployed wpt 958
						5m 100-0048			
						25m 100-0049			
21/22 S	Carcass Deployed	1074m	12:53	N29.77734 W93.23338	Upper	1m 100-0050	Int	Yes	wpt 960
						5m 100-0051			
						25m 100-0052			
<del>41/42</del> 23/24 S	Carcass Deployed	1151m	12:59	N29.77692 W93.23273	Low	1m 100-0053	Int	Yes	wpt 961
						5m 100-0054			
						25m 100-0055			
9/1/02 m	Carcass Deployed	1868m	13:05	N29.77679 W93.22519	Upper	1m 100-0056	Int	Yes	wpt 962
						5m 100-0057			
						25m 100-0058			
28/27 S	Carcass Deployed	1891m	13:10	N29.77657 W93.22478	Wrack	1m 100-0059	Int	Yes	wpt 963
						5m 100-0060			
						25m 100-0061			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 01/13/2011		Surveyors: Dave Cassidy LDWF Craig Tolliver Cardiac-entire			Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>				
Survey Transect # LA-562-03									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
31/32 S	Carcass Deployed	392m	13:30	N 29.77164 W 93.18647	Low	1m 100-0062	Int	yes	
						5m 100-0063			
						25m 100-0064			
76/77 M	Carcass Deployed	595m	13:36	N 29.77132 W 93.18452	Upper	1m 100-0065	Int	yes	wpt 965
						5m 100-0066			
						25m 100-0067			
37/38 S	Carcass Deployed	1200m	15:52	N 29.77057 W 93.18095	Wrack	1m 100-0068	Int	yes	wpt 966
						5m 100-0069			
						25m 100-0070			
93/94 M	Carcass Deployed	1602m	14:44 16:00	N 29.76948 W 93.17564	Low	1m 100-0071	Int	yes	wpt 967
						5m 100-0072			
						25m 100-0073			
43/42 L	No					1m			Not Deployed Carcass missing from supply cooler
						5m			
						25m			
41/42 S	Carcass Deployed	1809m	16:10	N 29.76915 W 93.17142	Upper	1m 100-0074	Int	yes	wpt 968
						5m 100-0075			
						25m 100-0076			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/14/2011		Surveyors: Dave Cassidy EDWP Craig Tolliver Cardno-Entrix			Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>				
Survey Transect # LA 75-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
36/37 L	N29.76713 W93.51196	714m	09:03	N29.76713 W93.51196	Wrack	1m 100-0078	Dist	yes	
						5m 100-0079			
						25m 100-0080			
82/79 M	N29.76714 W93.51159	785m	09:09	N29.76711 W93.51159	Low	1m 100-0081	Dist	Moved +	~
						5m 100-0082			
						25m 100-0083			
82/81 M	N29.76766 W93.50765	1252m	09:16	N29.76766 W93.50766	Upper	1m 100-0084	Int	yes	Block moved ~.5m from Bird
						5m 100-0085			
						25m 100-0086			
16/15 S	N29.76829 W93.50060	1925m	09:28	N29.76829 W93.50060	Wrack	1m 100-0087	Dist	yes	
						5m 100-0088			
						25m 100-0089			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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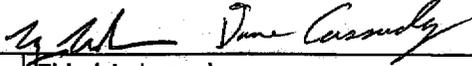


## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:		Tide (circle one):		
6/14/2011		LA-562-03		Dane Cassidy LDWF Craig Tolliver Cardno-Entry		[Signatures]		rising, falling, slack low, slack high		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>				
31-32 S	N29.77164 W93.18647	392m	13:54	N29.77161 W93.18647	Low	1m 100-0108	int	move		
						5m 100-0109				
						25m 100-0110				
76-77 M	N29.77137 W93.18452	595m	13:59	N29.77137 W93.18452	Upper	1m 100-0111	int	yes		
						5m 100-0112				
						25m 100-0113				
37/38 S	N29.77057 W93.18095	1200m	14:06	N29.77059 W93.18092	Low	1m 100-0114	int	Moved yes		
						5m 100-0115				
						25m 100-0116				
93-94 M	N29.76948 W93.17564	1602	14:38 <del>14:15</del>	N29.76825 W93.16923 N/A	Low N/A	1m 0120	Dist Miss	Moved No	~ Black moved ~ 100m ~ Found bird ~ 1500m wpt 969 away from Deployment	
						5m 0121				
						25m 0122				
41-42 S	N29.76915 W93.17142	1809m	14:35	N29.76915 W93.17142	Upper	1m 100-0117	int	yes		
						5m 100-0118				
						25m 100-0119				
						1m				
						5m				
						25m				

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

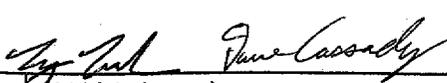
Date (mm/dd/yyyy):		6/15/2011		Surveyors: Dave Cassidy LDWF Craig Tolliver Cardno-Entaix			Surveyor Signatures: 		
Survey Transect #		LA 75-06					Tide (circle one): rising, <u>falling</u> , slack low, slack high		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>			
36-37 L	N29.76713 W93.51196	714m	08:57	Same as yesterday	Wrack	1m 100-0124	Dist	Yes	
						5m 100-0125			
						25m 100-0126			
80-79 M	N29.76711 W93.51159	783m	09:04	N29.76712 W93.51157	Lower	1m 100-0127	OR	Yes	
						5m 100-0128			
						25m 100-0129			
82-81 M	N29.76766 W93.50765	1252m	09:11	Same as prev Day	Upper	1m 100-0130	Dist	Yes	
						5m 100-0131			
						25m 100-0132			
16-15 S	N29.76829 W93.50860	1925m	09:17	Same as prev Day	Wrack	1m 100-0133	OR	Yes	
						5m 100-0134			
						25m 100-0135			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:		Tide (circle one):	
6/15/2011		LA 76-06		Dane Cassidy LPWF Craig Toliver cardio-entrixy		[Signatures]		rising <u>falling</u> , slack low, slack high	
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>			
100-95 M	N29.76730 W93.39407	266m	09:29	Same as Prev Day	Wrack	1m 100-0136	Int	Yes	
						5m 100-0137			
						25m 100-0138			
22-14 M	N29.76623 W93.3855	691m	09:57	Same as Prev. Day	Wrack	1m 100-0139	Dist	Yes	
						5m 100-0140			
						25m 100-0141			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form									
Date (mm/dd/yyyy): 6/15/2011			Surveyors: Dane Cassidy LDWF Craig Tolliver Cardno-Entrix			Surveyor Signatures: 			
Survey Transect # LA 562-01			Tide (circle one): rising, <u>falling</u> , slack low, slack high						
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>			
48-49 S	N29.77722 W93.24022	408m	13:18	Same as prev. day	Wrack	1m 100-0142	Dist	Yes	
						5m 100-0143			
						25m 100-0144			
3-4 S	N29.77708 W93.23672	751m	13:21	Same as prev day	Low	1m 100-0145	Dist	NO	
						5m 100-0146			
						25m 100-0147			
21-22 S	N29.77729 W93.2337	1079m	13:31	Same as prev day	Upper	1m 100-0148	Dist	Yes	
						5m 100-0149			
						25m 100-0150			
23-24 S	N29.77696 W93.23271	1151m	13:42	NA	NA	1m	Miss	yes	
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

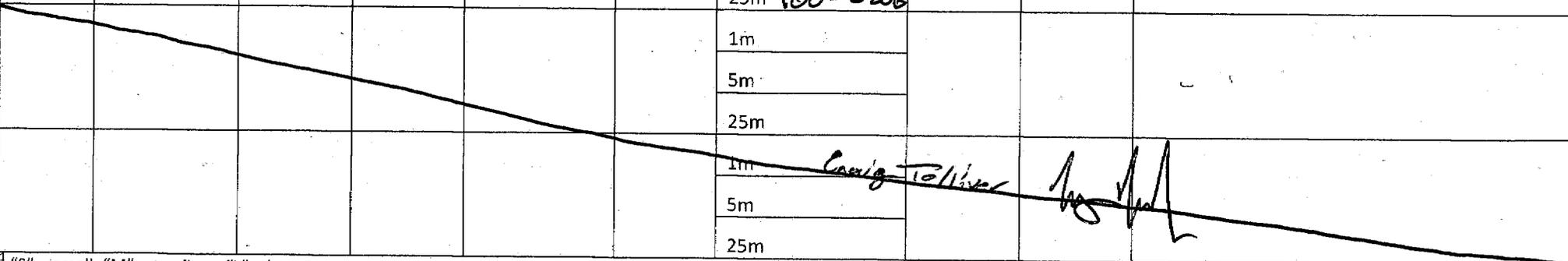
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/15/2011		Surveyors:				Surveyor Signatures:			
Survey Transect # LA-562-03									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
31-32 S	N29.77161 W93.18647	392m		NA <del>MISS</del> et	NA	1m	Miss	Move <del>no</del> Yes	
						5m			
						25m			
76-77 M	N29.77137 W93.18452	596m		NA <del>MISS</del> et	NA	1m	Miss	Move Yes et	
						5m			
						25m			
37-38 S	N29.77059 W93.18092	1200m	14:14	N29.77061 W93.18097	LOW	1m 100-0151	Dist	Move	
						5m 100-0152			
						25m 100-0153			
<del>42-43</del> <del>43-44</del> <del>41-42</del> S	N29.76915 W93.17142	1809m	14:22	Same as prev Day	UPPER	1m 100-0154	Int	Yes	
						5m 100-0155			
						25m 100-0156			
93-94 M	N29.76825 W93.16923	1602m	14:30	N29.76743 W93.16748	LOW	1m 100-0157	Dist	Move	
						5m 100-0158			
						25m 100-0159			
						1m			
						5m			
						25m			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/16/2011		Surveyors: Dane Cassidy LDWP Craig Tolliver Cardno-entry			Surveyor Signatures:  				
Survey Transect # LA-75-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
36-37 L	714m N29.76713 W93.51196	714m	09:25	Same as prev. Day	Wrack	1m 100-0195	Dist	yes	
						5m 100-0196			
						25m 100-0197			
80-79 M	N29.76712 W93.51157	783m	09:32	Same as prev. Day	Wrack	1m 100-0198	OR	yes	
						5m 100-0199			
						25m 100-0200			
82-81 M	N29.76766 W93.50766	1252m	09:38	Same as prev. Day	Upper	1m 100-0201	Dist	yes	
						5m 100-0202			
						25m 100-0203			
16-15 S	N29.76829 W93.50060	1925m	09:41	Same as prev. Day	Wrack	1m 100-0204	OR	yes	
						5m 100-0205			
						25m 100-0206			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/16/2011		Surveyors: Dane Cassidy LDFW Craig Tolliver Cardno Entry				Surveyor Signatures:			
Survey Transect # LA 76-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
100-99 M	N29.76730 W93.39407	266m	10:00	Same as prev day	wrack	1m 100-0173	Dist	yes	falling
						5m 100-0174			
						25m 100-0175			
22-14 M	N29.76623 W93.3855	691m	10:08	Same as prev day	wrack	1m 100-0176	Dist	yes	
						5m 100-0177			
						25m 100-0178			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Surveyors:		Surveyor Signatures:				Tide (circle one):	
6/16/2011		Dane Cassidy LDWF Craig Tolliver Cardno-Entry		[Signatures]				rising, falling, slack low, slack high	
Survey Transect #		Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
LA 562-01						Photo(s) ID# <sup>4</sup>			
48-49 M	N29.77722 W93.24022	408m	14:05	Same as prev Day	Wrack	1m 100-0179	Dist	yes	
						5m 100-0180			
						25m 100-0181			
3-4 S	N29.77708 W93.23672	751m	14:11	Same as prev Day	Low	1m 100-0182	Dist	Yes	
						5m 100-0183			
						25m 100-0184			
21-22 S	N29.77729 W93.23337	1074m	14:26	NA	Upper NA	1m	Miss	NO	
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

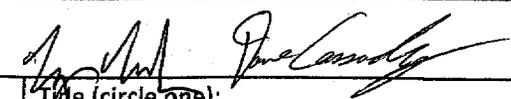
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

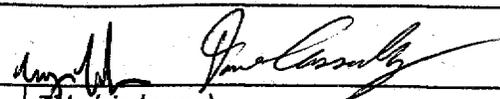
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/16/2011		Surveyors: Dave Cassidy LDWF Craig Tolliver card no - entrix				Surveyor Signatures: 			
Survey Transect # LA 562-03									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes									
37-38 S	N29.77061 W93.18097	1200m	14:37	N29.77167 W93.18652	wrack	1m 100-0185	Dist	NO	
						5m 100-0186			
						25m 100-0187			
41-42 S	N29.76915 W93.17142	1809m	14:56	Same as prev. day	upper	1m 100-0191	Dist	yes	
						5m 100-0192			
						25m 100-0193			
93-94 M	N29.76793 W93.16748	1602m	15:05	Same as prev. day	LOW	1m 100-0194	Dist	yes	
						5m 100-0195			
						25m 100-0196			
<del>37-38</del> SU						1m			
						5m			
						25m			
<del>37-38</del>						1m			
						5m			
						25m			
<del>37-38</del>						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings-only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

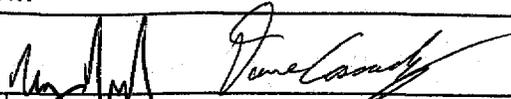
Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/24/2011  
 Survey Transect # LA 75-06  
 Surveyors: Dane Cassidy LDWF  
Craig Talliver Cardno Entry Surveyor Signatures: 

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
36-37 L	N29.76713 W93.51196	714 m	09:08	Same as prev. Day	wrack	1m 100-0161	Dist	yes	
						5m 100-0162			
						25m 100-0163			
80-79 M	N29.76712 W93.51157	783 m	09:19	Same as prev. Day	wrack	1m 100-0164	OR	yes	
						5m 100-0165			
						25m 100-0166			
82-81 M	N29.76766 W93.50765	1252 m	09:31	Same as prev. Day	upper	1m 100-0167	Dist	yes	
						5m 100-0168			
						25m 100-0169			
16-15 S	N29.76829 W93.50060	1925 m	09:40	Same as prev. Day	wrack	1m 100-0170	OR	yes	
						5m 100-0171			
						25m 100-0172			
<i>Craig Talliver</i>						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:			
6/17/2011		LA 76-06		Dane Cassidy LDWF Craig Tolliver <sup>Cardno</sup> <sub>Enrix</sub>					
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes									
100-99 M	N29.76730 W93.39407	266m	10:00	Same as Prev Day	Wrack	1m 100-0207	Dist	yes	
						5m 100-0208			
						25m 100-0209			
22-14 M	N29.76730 W93.39407	691m	10:13	Same as Prev Day	Wrack	1m 100-0210	SKIN	yes	Few Feathers and a couple of Bones are all that remain
						5m 100-0211			
						25m 100-0212			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

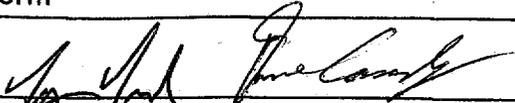
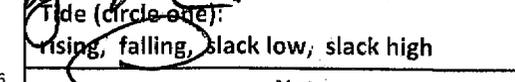
<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/18/2011		Surveyors: Dane Cassady LDWF Craig Tolliver cardio-entrix		Surveyor Signatures: 					
Survey Transect # LA-75-06				Tide (circle one): rising, <u>falling</u> , slack low, slack high					
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera: Photo(s) ID# <sup>4</sup>	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
36-37 L	N29.76713 W93.51196	714m	09:30	Same as Prev. Day	wrack	1m 100-0212	Dist	yes	
						5m 100-0213			
						25m 100-0214			
80-79 M	N29.76712 W93.51157	783m	09:32	Same as Prev. Day	wrack	1m 100-0215	OR	yes	Several crab burrows have appeared around bird carcass
						5m 100-0216			
						25m 100-0217			
82-81 M	N29.76766 W93.50765	1252m	09:42	Same as Prev. Day	upper	1m 100-0218	Dist	yes	
						5m 100-0219			
						25m 100-0220			
16-15 S	N29.76829 W93.50060	1925m	09:50	Same as Prev. Day	wrack	1m 100-0221	OR	yes	
						5m 100-0222			
						25m 100-0223			
<del>Craig Tolliver</del>						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

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Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:		
6/18/2011		LA-7608		Dane Cassidy LDWP Craig Tolliver cadm-Entair			 		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, black low, slack high
Notes									
100-99 M	N29.76730 W93.39407	266m	10:05	Same as prev. Day	Wrack	1m 100-0224	Dist	yes	
						5m 100-0225			
						25m 100-0226			
22-14 M	N29.76730 W93.39407	691m	10:14	NA	NA	1m	Miss	yes	Only a few feathers remain.
						5m			
						25m			
<del>_____</del>						1m			
						5m			
						25m			
<del>_____</del>						1m			
						5m			
						25m			
<del>_____</del>						1m			
						5m			
						25m			
<del>_____</del>						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

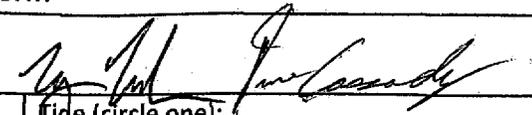
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:			
6/18/2011		LA 562-01		Dane Cassidy ADWF Craig Tolliver Cardno-Entire					
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
4849 M	N29.77722 W93.24022	408m	12:44	Same as Prev. Day	Wrack	1m 100-0227	Dist	Yes	
						5m 100-0228			
						25m 100-0229			
34 S	N29.77708 W93.23672	751m	12:58	N29.77712 W93.23672	Wrack	1m 100-0230	Dist	Yes	
						5m 100-0231			
						25m 100-0232			
21-22 S	N29.77729 W93.2337	1074m	13:06	NA	NA	1m	Miss	Yes	
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/18/2011		Surveyors: Dave Cassidy LDWF Craig Tolliver card no entry		Surveyor Signatures: <i>[Signature]</i>					
Survey Transect # LA 562-03									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): Rising, <u>Falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
37-38 S	N29.77167 W93.18652	1200m	13:15	Same as prev. Day	wrack	1m 100-0233	Dist	yes	
						5m 100-0234			
						25m 100-0235			
41-42 S	N29.76915 W93.17142	1809m	13:35	Same as prev. Day	upper	1m 100-0236	Dist	yes	
						5m 100-0237			
						25m 100-0238			
43-44 M	N29.76793 W93.16748	1602m	13:45	NA	NA	1m	Miss	NO	
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

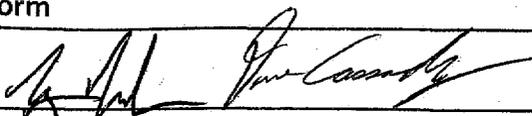
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form											
Date (mm/dd/yyyy):		6/19/2011		Surveyors: Dane Cassidy LDWF Craig Tolliver Cardno Entry			Surveyor Signatures: 				
Survey Transect #		LA 75-06								Tide (circle one): rising, falling, slack low, slack high	
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes		
						Photo(s) ID# <sup>4</sup>					
36-37 L	N29.76713 W93.51196	714m	8:55	Same as prev Day	Wrack	1m 100-0240	Dist	yes	Crab burrow has appeared next to carcass		
						5m 100-0241					
						25m 100-0242					
80-79 M	N29.76712 W93.51157	783m	9:01	Same as Prev Day	Wrack	1m 100-0243	SB	yes	Crabs burrows appear active. Also, Beetles and ants on carcass		
						5m 100-0244					
						25m 100-0245					
82-81 M	N29.76766 W93.50765	1252m	09:07	Same as Prev	Upper	1m 100-0246	Dist	Yes	Crab burrow has appeared next to carcass.		
						5m 100-0247					
						25m 100-0248					
16-15 S	N29.76829 W93.50060	1925m	09:11	Same as Prev. Day	Wrack	1m 100-0249	Dist	Yes			
						5m 100-0250					
						25m 100-0251					
<del>Craig Tolliver</del>						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs-removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/19/2011		Surveyors: <i>Dave Cassidy LPWF</i> <i>Craig Tolliver cardno entry</i>				Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>			
Survey Transect # LA 76-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high
100-99 M	N29.76736 W93.39457	266m	10:23	Same as pred. day	Wrack	1m 100-0252	Dist	yes	
						5m 100-0253			
						25m 100-0254			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

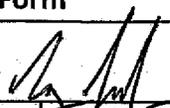
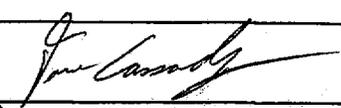
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss:" (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 257 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/19/2011		Surveyors: Dan Cassady & DWS Craig Tolliver cardio-entrix			Surveyor Signatures:  				
Survey Transect # LA 562-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			Notes
48-49 M	N29.77712 W93.24022	408m	12:27	Same as Prev. Day	Wrack	1m 100-0255	Dist	Yes	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						5m 100-0256			
						25m 100-0257			
3-4 S	N29.77712 W93.23672	751m	12:33	Same as Prev. Day	Wrack	1m 100-0258	Dist	Yes	
						5m 100-0259			
						25m 100-0260			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

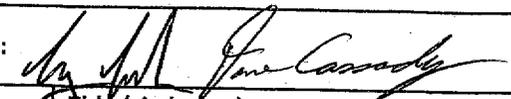
<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/19/2011		Surveyors: Dave Cassidy LWF Craig Tolliver Cardio-Entrix				Surveyor Signatures: <i>[Signatures]</i>						
Survey Transect # LA 562-03												
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:			Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high	Notes
						Photo(s) ID# <sup>4</sup>						
37-38 S	N29.77167 W93.18652	1200m	13:18	NA	wrack NA	1m	MISS	YES	Large crab burrow next to block			
						5m						
						25m						
41-42 S	N29.76915 W93.17142	1809M	13:25	Same as prev Day	upper	1m 100-0261	Dist	YES				
						5m 100-0262						
						25m 100-0263						
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>				
						5m						
						25m						
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>				
						5m						
						25m						
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>				
						5m						
						25m						
<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	1m	<del> </del>	<del> </del>				
						5m						
						25m						

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:		Tide (circle one):		
6/20/2011		LA 75-06		Dane Cassidy LDWF Craig Tolliver Cardio-Entrix				rising, <u>falling</u> , slack low, slack high		
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:		Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>				
36-37 L	N29.76713 W93.51196	714 m	8:54	Same as Prev. Day	wrack	1m 100-0265	Dist	yes	Moved slightly off block due to high winds	
						5m 100-0266				
						25m 100-0267				
80-79 M	N29.76712 W93.51157	783 m	8:59	Same as Prev. Day	wrack	1m 100-0268	OR	yes		
						5m 100-0269				
						25m 100-0270				
82-81 M	N29.76766 W93.50765	1252 m	9:04	Same as Prev. Day	upper	1m 100-0271	Dist	yes		
						5m 100-0272				
						25m 100-0273				
16-15 S	N29.76829 W93.50060	1925 m	09:08	Same as Prev. Day	wrack	1m 100-0274	OR	yes		
						5m 100-0275				
						25m 100-0276				
						1m				
						5m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

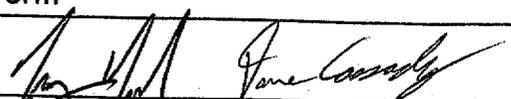
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/20/2011		Surveyors: Dane Cassidy LDWF Craig Tolliver cardno-entrim		Surveyor Signatures: 		Tide (circle one): rising, falling, slack low, <u>slack high</u>			
Survey Transect # LK 76-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>			
100-99 M	N29.76730 W93.39487	266m	9:27	Same as Prev. Day	Wrack	1m 100-0277	Dist	Yes	
						5m 100-0278			
						25m 100-0279			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line).

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:		Tide (circle one):			
6/10/2011		LA 562-01		Dawn Cassidy Craig Tolliver		LDWP Cardno Entriv		<input checked="" type="radio"/> rising, <input type="radio"/> falling, <input type="radio"/> slack low, <input type="radio"/> slack high			
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:			Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>					
48-49 M	N29.77722 W93.24022	408m	12:30 <del>10:00</del>	Same as Prev. Day	Wrack	1m	100-0280	Dist	Yes		
						5m	100-0281				
						25m	100-0282				
3-4 S	N29.77712 W93.23672	751m	12:35	Same as Prev. Day	Wrack	1m	100-0283	Dist	Yes		
						5m	100-0284				
						25m	100-0285				
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

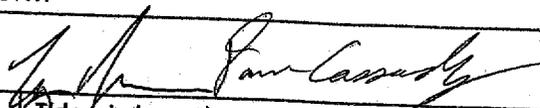
## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/20/2011

Survey Transect # LA 562-03

Surveyors: Dave Cassidy LPWF  
Craig Tolliver Cardno-Entair

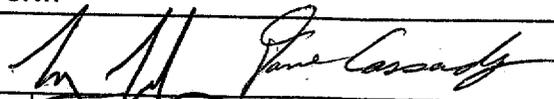
Surveyor Signatures:



Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
41-42 S	N29.76915 W93.17142	1809m	12:54	Same as Prev Day	Upper	1m 100-0286	Dist	Yes		
						5m 100-0287				
						25m 100-0288				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/21/2011		Surveyors: Dave Cassidy LBWF Craig Tolliver Cardio-Entirex		Surveyor Signatures: 					
Survey Transect # LA 75-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>
						Photo(s) ID# <sup>4</sup>			Notes
36-37 L	N29.76713 W93.51196	714m	8:55	Same as prev. Day	Wrack	1m 100-0290	Dist	Yes	
						5m 100-0291			
						25m 100-0292			
80-79 M	N29.76712 W93.51157	783m	09:05	N29.76714 W93.51155	Wrack	1m 100-0293	OR	Move	Bird has moved lower (shoreward) of last location
						5m 100-0294			
						25m 100-0294 <sup>5</sup>			
82-81 M	N29.76766 W93.50765	1252m	09:10	Same as Prev Day	UPPER	1m 100-0296	Dist	Yes	
						5m 100-0297			
						25m 100-0298			
16-15 S	N29.76829 W93.50060	1925m	09:16	Same as prev. Day	Wrack	1m 100-0299	OR	Yes	
						5m 100-0300			
						25m 100-0301			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),

"Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

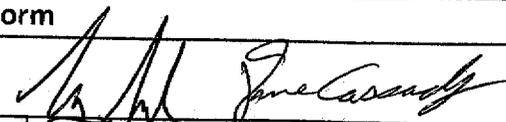
## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/21/2011

Survey Transect # LA 76-06

Surveyors: Dane Cassady LPWF  
Craig Tolliver cordoc-entrix

Surveyor Signatures:



Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, <u>slack high</u>	Notes
						Photo(s) ID# <sup>4</sup>				
100-99 M	N29.76730 W93.39407	266	09:35	Same as Prev. Day	Wrack	1m 100-0301	Dist	YES		
						5m 100-0303				
						25m 100-0304				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:		Surveyor Signatures:		Tide (circle one):			
6/21/2011		LA 562-01		Dawn Cassidy LDWF Craig Tolliver Cardio-Entry		[Signatures]		rising, <u>(falling)</u> , slack low, slack high			
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:			Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>					
48-49 M	N 29.7772 W 93.24022	408m	13:24	Same as	wrack	1m 100-0305			Dist	Yes	
						5m 100-0306					
						25m 100-0307					
3-4 S	N 29.7772 W 93.23672	751m	13:29	Same as Prev. Day	wrack	1m 100-0308			Dist	Yes	
						5m 100-0309					
						25m 100-0310					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					
						1m					
						5m					
						25m					

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

[Handwritten mark]

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/21/2011

Survey Transect # LA 562-03

Surveyors: Dave Cassidy LDWF  
Craig Tolliver Cardno-Entriv

Surveyor Signatures:

Tide (circle one):  
rising, falling, slack low, slack high

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>			
41-42 S	N29.76915 W93.17142	1809m	13:45	Same as prev. day	UPPER	1m 100-0311	Dist	yes	
						5m 100-0312			
						25m 100-0313			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),<sup>6</sup> "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill-NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/22/2011		Surveyors: Dane Cassady LDWF Craig Tolliver Cardno-Entry		Surveyor Signatures:					
Survey Transect # LA 75-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
36-37 L	N29.76713 W93.51196	714m	10:18	Same as Prev. Day	wrack	1m 100-0315	Dist	yes	
						5m 100-0316			
						25m 100-0317			
80-79 M	N29.76712 W93.51157	783m	10:25	Same as Prev. Day	wrack	1m 100-0318	OR	yes	
						5m 100-0319			
						25m 100-0320			
82-81 M	N29.76766 W93.50765	1252m	10:31	Same as Prev. Day	upper	1m 100-0321	Dist	yes	
						5m 100-0322			
						25m 100-0323			
16-15 S	N29.76829 W93.50060	1925m	10:36	Same as Prev. Day	wrack	1m 100-0324	SB	yes	
						5m 100-0325			
						25m 100-0326			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),

<sup>6</sup> "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		6/22/2011		Surveyors:		Dane Cassidy LDWF Craig Tolliver Cardio-entrix		Surveyor Signatures:		Dane Cassidy Craig Tolliver															
Survey Transect #		LA 76-06		Carcass ID and size <sup>1</sup>		GPS Location <sup>2</sup> Prev. Day		Dist. from Transect Start (m)		Time (military format)		GPS Location <sup>2</sup> Today		Position Relative to Surf <sup>3</sup>		Camera:		Carcass State <sup>5</sup>		Block Present? <sup>6</sup>		Title (circle one): rising, <u>falling</u> , slack low, slack high		Notes	
100-99		N 29.76730		266m		10:44		Same as Previous		wrack		1m 100-0327		5m 100-0328		25m 100-0329		Dist		yes					
M		W 93.39402										1m		5m		25m									
												1m		5m		25m									
												1m		5m		25m									
												1m		5m		25m									
												1m		5m		25m									
												1m		5m		25m									
												1m		5m		25m									
												1m		5m		25m									
												1m		5m		25m									

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

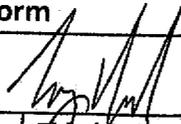
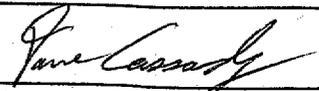
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		Survey Transect #		Surveyors:			Surveyor Signatures:					
10/22/2011		LA-562-01		Dann Cassidy LDWF Craig Tolliver Cardio-Entrix			 					
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:			Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high	Notes
						Photo(s) ID# <sup>4</sup>						
4B-4A M	N29.77712 W93.24022	408m				1m						Not inspected due to thunderstorms
						5m						
						25m						
3-4 S	N29.77712 W93.23672	751m				1m						Not inspected due to thunderstorms.
						5m						
						25m						
						1m						
						5m						
						25m						
						1m						
						5m						
						25m						
						1m						
						5m						
						25m						

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),

<sup>6</sup> "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy):		6/22/2011		Surveyors: <i>Dane Cassidy LDWF</i> <i>Craig Tolliver cardio-entist</i>			Surveyor Signatures: <i>[Signature]</i> <i>[Signature]</i>		
Survey Transect #		LA 562-03							
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high
Notes									
41-42 S	N29.77727 W93.17142	1809m 408m	13:15	Same as Prev. Day	Upper	1m 100-0330	Dist	Yes	
						5m 100-0331			
						25m 100-0332			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

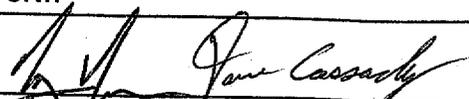
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/23/2011		Surveyors: Dane Cassidy LDWP Craig Tolliver Cardno-Entry		Surveyor Signatures: 					
Survey Transect # LA 75-06									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
36-37 L	N29.76713 W93.51196	714m	10:55	Same as prev. Day	wrack	1m 100-0334	Dist	yes	
						5m 100-0335			
						25m 100-0336			
80-79 M	N29.76712 W93.51157	783m	10:01	Same as Prev. Day	wrack	1m 100-0337	OR	yes	Covered in Sargassum
						5m 100-0338			
						25m 100-0339			
82-81 M	N29.76766 W93.50766	1252m	11:08	Same as prev. Day	upper	1m 100-0340	Dist	yes	
						5m 100-0341			
						25m 100-0342			
16-15 S	N29.76829 W93.50060	1925m	11:11	Same as Prev. Day	wrack	1m 100-0343	SB	yes	
						5m 100-0344			
						25m 100-0345			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large

<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.

<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)

<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).

<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),

"Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.

<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/23/2011

Survey Transect # LA 76-06

Surveyors:

Dane Cassidy LDWF  
Craig Tolliver Cardno-Entry

Surveyor Signatures:

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Title (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
100-99 M	N29 76730 W93.39409	266m	11:20	Same as prev. Day	wrack	1m 100-0348	SB	YES	
						5m 100-0347			
						25m 100-0348			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PG" (Fragmentary; pelvic girdle only), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

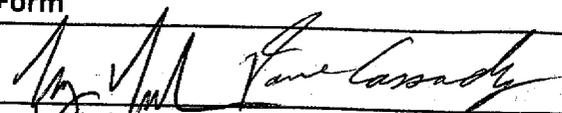
## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/23/2011

Surveyors:

Dane Cassidy LPWF  
Craig Tolliver Cardno-Entry

Surveyor Signatures:



Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, (falling) slack low, slack high	
48-49 M	N29.77712 W93.24022	408m	12:34	Same as Prev. Day	wrack	1m 100-0349	OR	Yes		
						5m 100-0350				
						25m 100-0351				
3-4 S	N29.77712 W93.23672	751m	12:38	Same as Prev. Day	wrack	1m 100-0352	OR	Yes		
						5m 100-0353				
						25m 100-0354				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/23/2011

Survey Transect # LA 562-03

Surveyors: Dame Cassidy LDWF  
Craig Tolliver cardio-entry

Surveyor Signatures:

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, falling, slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
41-42 S	N29.76915 W93.17142	1809m	13:04	Same as prev. Day	Upper	1m 100-0356	Dist	Yes	
						5m 100-0356			
						25m 100-0357			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/24/2011

Surveyors: Dawn Cassady LDWP  
Craig Tolliver Condno-entire

Surveyor Signatures:

Survey Transect # LA-75-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high	
36-37 L	N29.76713 W93.51196	714m	09:00	Same as Prev. Day	Wrack	1m 100-0246	OR	Yes		
						5m 100-0247				
						25m 100-0248				
80-79 M	N29.76712 W93.51157	783m	09:04	Same as Prev. Day	Wrack	1m 100-0252	SB	Yes		
						5m 107-0253				
						25m 107-0254				
82-81 M	N29.76766 W93.50765	1252m	09:08	Same as Prev. Day	Upper	1m 107-0255	OR	Yes	Crab near carcass	
						5m 107-0256				
						25m 107-0257				
16-15 S	N29.76829 W93.50060	1925m	09:12	Same as Prev. Day	Wrack	1m 107-0258	SB	Yes		
						5m 107-0259				
						25m 107-0260				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/24/2011

Survey Transect # LA 76-06

Surveyors: Dawn Cassidy LPWF  
Craig Tolliver Cardio-entrix

Surveyor Signatures:

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
100-99 M	N29.76735 W93.39402	266m	09:28	Same as Prev. Day	Wrack	1m 107-0261 <del>100-99-0</del>	SB	yes		
						5m 107-0262				
						25m 107-0263				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/24/2011		Surveyors: Dawn Cassidy LDWF Craig Tolliver Cardio-Entris		Surveyor Signatures: <i>[Signatures]</i>					
Survey Transect # LA 562-01									
Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high
						Photo(s) ID# <sup>4</sup>			Notes
48-49 M	N29.77712 W93.24022	408m	12:24	Same as prev. Day	Wrack	1m 107-0264	SB	Yes <sup>6</sup> Move	Move ~ 1.5m
						5m 107-0265			
						25m 107-0266			
N/A S	N29.77712 W93.23672	751m	12:29	Same as prev Day	Wrack	1m 107-0267	SB	Move	Moved ~ 1.5m
						5m 107-0268			
						25m 107-0269			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large  
<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.  
<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)  
<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).  
<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.  
<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/24/2011

Surveyors: *Dave Cassidy LDWF*  
*Craig Tolliver cardno-Entry*Surveyor Signatures: *[Signature]* *[Signature]*

Survey Transect # LA 562-03

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, <u>falling</u> , slack low, slack high	
41-42 S	N29.76915 W93.17142	1809m	12:59	Same as Prev. Day	Upper	1m 107-0270	OR	Yes		
						5m 107-0271				
						25m 107-0272				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments),<sup>6</sup> "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 06/25/2011

Surveyors: *Dave Cassidy LDWF*  
*Craig Tolliver Cardio-Entry*Surveyor Signatures: *[Signature]* *[Signature]*

Survey Transect # LA 75-06

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one): rising, <u>falling</u> , slack low, slack high	Notes
						Photo(s) ID# <sup>4</sup>				
36-37 L	N29.76713 W93.51196	714m	8:53	Same as Prev. Day	Wrack	1m 107-0274	SB	Yes		
						5m 107-0275				
						25m 107-0276				
80-79 M	N29.76712 W93.51157	783m	8:56 <del>10:00</del>	Same as Prev. Day	Wrack	1m 107-0277	SB	Yes		
						5m 107-0278				
						25m 107-0279				
82-81 M	N29.76766 W93.50765	1252m	09:06	Same as Prev. Day	Upper	1m 107-0280	OR	Yes		
						5m 107-0281				
						25m 107-0282				
16-15 S	N29.76829 W93.50060	1925m	09:12	Same as Prev. Day	Wrack	1m 107-0283	SB	Yes		
						5m 107-0284				
						25m 107-0285				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/25/2011

Survey Transect # LA 76-06

Surveyors: Dave Cassidy LDWF  
Craig Tolliver Cardno-entriy

Surveyor Signatures:

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
100-99 M	N29.76730 W93.39402	266m	09:42	Same as prev. Day	wrack	1m 107-0286	SB	Yes	(falling)	
						5m 107-0287				
						25m 107-0288				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/29/2011

Survey Transect # LA 562-01

Surveyors: Dave Cassidy LDWF  
Craig Tolliver Cardno-Entrix

Surveyor Signatures:

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:			Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Side (circle one): rising, <u>falling</u> , slack low, slack high	Notes
						1m	5m	25m				
48-49 M	N29.77712 W93.24022	408m	11:10	NA	NA	1m	Miss	Yes	Scattered feathers and few bones remain			
						5m						
						25m						
3-4 S	N29.77712 W93.23672	751m	11:14	Same as prev. Day	Wrack	1m 107-0189	SB	Yes				
						5m 107-0292						
						25m 107-0293						
						1m						
						5m						
						25m						
						1m						
						5m						
						25m						
						1m						
						5m						
						25m						

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/25/2011

Survey Transect # LA 562-03

Surveyors: Dave Cassidy LDWF  
Craig Tolliver Cardio-Entrix

Surveyor Signatures:

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, slack high	
41-42 S	N29.76915 W93.17142	1809m	11:50	Same as Prev. Day	Upper	1m 107-0294	OR	Yes	<input checked="" type="radio"/>	
						5m 107-0295				
						25m 107-0296				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/26/2011

Survey Transect # LA 562-01

Surveyors: Dan Casady L DWF  
Craig Tolliver cardio-entriy

Surveyor Signatures:

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Tide (circle one):	Notes
						Photo(s) ID# <sup>4</sup>			rising, falling, slack low, <u>slack high</u>	
B-4 S	N29.77712 W93.23672	751m	8:28	Same as Prev. Day	Wrack	1m 107-0298	SB	Yes		
						5m 107-0299				
						25m 107-0300				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				
						1m				
						5m				
						25m				

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.

## Mississippi Canyon 252 Oil Spill NRDA: Carcass Persistence Data Form

Date (mm/dd/yyyy): 6/26/2011

Survey Transect # LA 562-03

Surveyors: Paul Cassady LDWF  
Craig Tolliver cardio - entrip

Surveyor Signatures:

Tide (circle one):

rising, falling, slack low, slack high

Carcass ID and size <sup>1</sup>	GPS Location <sup>2</sup> Prev. Day	Dist. from Transect Start (m)	Time (military format)	GPS Location <sup>2</sup> Today	Position Relative to Surf <sup>3</sup>	Camera:	Carcass State <sup>5</sup>	Block Present? <sup>6</sup>	Notes
						Photo(s) ID# <sup>4</sup>			
41-42 S	N29.76915 W93.17142	1809m	8:45	Same as Prev. Day	upper	1m 107-0301	OR Dist. &	Yes	
						5m 107-0302			
						25m 107-0303			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			
						1m			
						5m			
						25m			

<sup>1</sup> "S" = small, "M" = medium, "L" = large<sup>2</sup> Latitude/Longitude. WGS 84. Decimal degrees.<sup>3</sup> Record either "LOW" (for the wash zone, below wrack line), "WRACK" (for at the wrack or high tide line), or "UPPER" (for the upper intertidal, above the wrack or high tide line)<sup>4</sup> On placement day or days where carcass moved >25m from last location, take photos at 1, 5, and 25m. Otherwise, take photos at 1 and 5m (put a large "X" on line for 25m).<sup>5</sup> Use one of the following: "Int." (intact, equivalent to No scavenging), "Dist." (disturbed, skin broken, mostly intact), "PR" (Pectorals removed but organs present), "OR" (Organs removed but pectorals present), "SB" (Skin and bones only; pectorals and organs removed), "PG" (Fragmentary; pelvic girdle only), "Wing" (Fragmentary; one or both wings only), "Skin" (feathers attached to skin fragments), "Miss." (missing, no part of carcass remains; equivalent to Removed). If "Missing or Miss." Record, write "N/A" in cells for GPS location and Position Relative to Surf.<sup>6</sup> "Yes" = block present in previous location, "Moved" = present but not found in previous location, "No" = no longer be found within survey transect.