

1 ★ = delta in this column added 10/1/2010 VWV

Deepwater Horizon (MC 252)

Page	of	
------	----	--

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/22/2012 Searcher efficiency investigators (Print AND Sign names): Troy Lockett RL Ford

BBS Team # (that will conduct beach search): Dauphin

BBS Datasheet ID # for associated beached bird survey form: ★ 9222010AL-18-01-6290

Segment Surveyed (and State): AL-18-0 Segment begin⁵: Lat: 30.530914 Long: -87.90836

Start time for carcass placement: 0740 End time: 0822 Segment end⁵: Lat: 30.525244 Long: -87.91139

Total # carcasses placed in segment: 2

[illegible]

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

ASE-SE. AL-18-01.1

1946/1947

9-29-1

Ex 12607

**Worldwide
Court Reporters, Inc.**

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/22/2010 Searcher efficiency investigators (Print AND Sign names): Nadia Martin Aaron Richards Amy LewisBBS Team # (that will conduct beach search): DauphinBBS Datasheet ID # for associated beached bird survey form: AL08-02 ^{imm} ★9222010 AL-08-02.6295Segment Surveyed (and State): Alabama AL-08-02 Segment begin⁵: Lat: 30.24632 Long: -88.07608Start time for carcass placement: 8 Am End time: 0836Segment end⁵: Lat: 30.24339 Long: -88.09425Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
<u>50</u>	<u>Med</u>	<u>no/light</u>	<u>Laughing Gull</u>	<u>Upper</u>	<u>30.24657</u>	<u>-88.07904</u>	<u>8:02am</u>	<u>yes</u>	<u>yes</u>	<u>502</u>	<u>503</u>	<u>504</u>
<u>48</u>	<u>EX.L</u>	<u>no/light</u>	<u>Herring Gull</u>	<u>Upper</u>	<u>30.24537</u>	<u>-88.08751</u>	<u>8:10am</u>	<u>yes</u>	<u>yes</u>	<u>505</u>	<u>506</u>	<u>507</u>
<u>49</u>	<u>EX.L</u>	<u>no/light</u>	<u>Herring Gull</u>	<u>Upper</u>	<u>30.4425</u>	<u>-88.09143</u>	<u>8:25am</u>	<u>yes</u>	<u>yes</u>	<u>511</u>	<u>512</u>	<u>513</u>

Notes/comments:Polaroid 537 cameraThe transect was not long enough (it was only 1500m long), therefore we placed the 1731m at 1100m and the 1592m bird at 1500m.¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical referenceBSE-SE. AL-08-02.210/1/20109-29-11

3
 * = data added 10/1/2010 VVV

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/23/2010 Searcher efficiency investigators (Print AND Sign names): Nadia Martin Aaron Richards Aron Jank

BBS Team # (that will conduct beach search): Gulfport

BBS Datasheet ID # for associated beached bird survey form: 9232010 MS-08-06.6356

Segment Surveyed (and State): MS-08-06 Segment begin⁵: Lat: 30.30193 Long: -88.66722

Start time for carcass placement: 0732 End time: 0800 Segment end⁵: Lat: 30.35260 Long: -88.68503

Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
87	XL	NS	LGUL	MS UPPER	30.30101	-88.66953	0732	yes	yes	525	526	527
88	M	HS	HGUL	MS UPPER	30.35716	-88.67789	0746	NO	yes	528	529	530
89	M	NS	HGUL	WRACK	30.35578	-88.68015	0756	yes	yes	531	532	533

Notes/comments:

Retrieved carcasses from ~~12~~ 12 to 12:45pm

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE. MS-08-06.3

gale/fgan

10/3/2011

Veronica Varela Veronica W. Varela

Aaron Richards

Page 1 of 1

Wendy Swindel

1. *Michael Sydney*

Tray Hart *[Signature]*

Rebecka Brasso

Walter B. Moore

Julie Campbell July

Nadie Martin

Nedro Martin

10/1/20

Date: 9/21/2010

Searcher efficiency investigators (Print AND Sign names):

BBS Team # (that will conduct beach search): Foley

BBS Datasheet ID # for associated beached bird survey form: to be entered at later date

←★ 9212010AL-26-02-6256

Segment Surveyed (and State): AL - 26 - 02

Segment begin⁵: Lat: 30.26789 Long: -87.50702

Start time for carcass placement: 0140 End time: 0802

Segment end⁵: Lat: 30.26235 Long: -87.60672

Total # carcasses placed in segment: 2

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE.AL-26-02.4

add column for picture # 5, 10, 25
1 gal / 1 gal 10/3/11 494, 495, 496 | 5, 10, 25
999, 500, 501

Added
10/1/2010
VWV

Page 7 of 7

Please: only one carcass detection survey per form

Wendy M. Sennell
Nebraska BRESSO
Julie Campbell

Wendy M. Sennell
Nebraska BRESSO
Julie Campbell

Wendy M. Sennell
Nebraska BRESSO
Julie Campbell

Segment begin⁵: Lat: 30.23879 Long: -87.75055

Segment end⁵: Lat: 30.23511 Long: -87.77094

Segment end⁵: Lat: 30.23511 Long: -87.77094

[illegible]

Notes/comments:
Beach rocker came through at 9:30am, may have raked
up carcass #84, saw leathers in wake as drove by → bird still there
upon return

[illegible]

* no track left after ruck
went by, placed carcass where
ruck was

lgak / lgale

10/3/11

Timbalier Island (West End)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Date: 9/24/2010 Searcher efficiency investigators (Print AND Sign names): VERONICA VARELA Veronica W. Varela

BBS Team # (that will conduct beach search): 102 JoAnn Mills, Amy Poopatanapong

BBS Datasheet ID # for associated beached bird survey form: ★ 9242010 LA-642-01-6427

Segment Surveyed (and State): LA-642-01 Segment begin⁵: Lat: 29.09134 N Long: 90.54150 W

Start time for carcass placement: 12:52^{pm} End time: 1:45^{pm} Segment end⁵: Lat: 29.08199 N Long: 90.53657 W

Total # carcasses placed in segment: 2

[illegible]

Did not use predetermined distances down segment because I would have been in plain view of BBS team while placing birds. BBS team + SES team had to work on beach at same time, so SES went ahead of BBS team to plant birds while BBS team did live bird pt count. Beach was "clean" of

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

human tracks mostly (after rain), hard to hide tracks!

↳ only one set of 3 folks walked thru this segment before the SES study.

camera #3028

BSE-SE LA-642-01.6

igil / Lgaen

10/3/11

★ = data added 10/1/2010 JNV

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/24/10 Searcher efficiency investigators (Print AND Sign names): Wendy M. Sundel Wendy M. SundelBBS Team # (that will conduct beach search): Gulfport JAMES F. WEIGAND/DOI James F. WeigandBBS Datasheet ID # for associated beached bird survey form: ★ 9242010 MS-20-04-6463Segment Surveyed (and State): MS 20-04 Segment begin⁵: Lat: 30.33149 Long: -89.18519Start time for carcass placement: 0843 End time: 1239 Segment end⁵: Lat: 30.32699 Long: -89.20531Total # carcasses placed in segment: 3 0917

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
101	MED	HS	LAGU	WRACK	30.33015	-89.19188	0843	NO	YES	59	60	61
100	SM/MED	HS	LAGU	WRACK	30.32829	-89.19968	0901	yes	YES	62	63	64
099	SM	NS	LAGU	UPPER	30.32784	-89.20207	0913	NO	NO	65	66/67	68/6
						</						

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE. MS-20-04.7

19/10/10 / 19/10/10

10/3/11

★ = data added 10/1/2010 VWW

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 09-25-2010 Searcher efficiency investigators (Print AND Sign names): Wendy Swindell, Marilee LovitBBS Team # (that will conduct beach search): GulfportBBS Datasheet ID # for associated beached bird survey form: ★ 9252010 MS-15-01-6445Segment Surveyed (and State): MS 15-01 Segment begin⁵: Lat: 30.38929 Long: -88.98189Start time for carcass placement: 0822 End time: 0838 Segment end⁵: Lat: 30.38702 Long: -89.00252Total # carcasses placed in segment: 3

Total # Carcasses placed in segments												
Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
94	S	NS	GW Teal	Wrack	30.38912	-88.98451	0822	yes	Yes	79	80	81
95	M	HS	LA GU	UPPER	30.38910	-88.98676	0831	yes	Yes	82	83	84
93	XL	NS	Herr. GU	UPPER	30.38900	-88.98710	0838	yes	Yes	85	86	87

Notes/comments:

Carcass 94 was recovered & found to have had a piece of litter placed over it, making it more concealed.

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, MS-1501.8

lgak / Lpale

10/3/11

BBS Datasheet # 922010AL-05-04-6259 ← added 10/1/2010 rww

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form.

Date: 9/22/2016 Searcher efficiency investigators (Print AND Sign names):

BBS Team # (that will conduct beach search): AL-08-04 Fored

BBS Datasheet ID # for associated beached bird survey form: to be inserted later

Segment Surveyed (and State): AL-08-04

Segment begin⁵: Lat: 36.22641 Long: - 87.99866

Start time for carcass placement: 6:30 End time: 6:44

Segment end⁵: Lat: 30.72432 Long: -88.01936

Total # carcasses placed in segment: 3

[illegible]

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, AL-08-04, 9

Spall / spall

10/5/2011

BBS Datasheet ID# 9232910 AL-24-02.4253 < added 14/1/2016 VVV

Deepwater Horizon (MC 252)

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/23/2016 Searcher efficiency investigators (Print AND Sign names):BBS Team # (that will conduct beach search): 1044BBS Datasheet ID # for associated beached bird survey form: to be inserted laterSegment Surveyed (and State): AL-24-02 Segment begin⁵: Lat: 30.22829 Long: -87.83238Start time for carcass placement: 6:30 End time: 11:30 AM Segment end⁵: Lat: 30.22833 Long: -87.85374Total # carcasses placed in segment: 4

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
32	XL	NS	HEGU	UPPER	30.22824	-87.83392	6:37	Y	Y	22	23	24
31	M	NS	LAGU	UPPER	30.22826	-87.83774	6:48	Y	Y	25	26	27
33	M	NS	LAGU	UPPER	30.22832	-87.83774	6:50	Y	Y	28	29	30
29	XL	NS	HEGU	LOW	30.22819	-87.84061	7:11	Y		31	32	33

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, AL-24-02.10

10/5/11

10/5/11

* = data added 10/1/2010 VWV

63E-SE, LA-644-01.11

Photos # 45, 46, 47 are of Carcass # 5 - which was not found by BBS team. Doubled checked with BBS team that this location was part of BBS searched segment - due to presence of a few riprap boulders (although a "beach" and wrack line were clearly present, too. BBS team confirmed that this location fell within a BBS search area.

Photo # 48 - Bird # 4 not found.



Subject Re: Searcher Efficiency data

Hi, Laurel,

For the datasheet marked "Trinity East": Segment End coordinates should be: Lat 29.05934 and Long -090.67962

I had to derive these from Google Earth today, based on the known segment start coordinates, coordinates for actual placements of birds, and the known segment length of 2km. BBS datasheet seems to have entirely wrong coordinates for the point. I'm guessing it was written on the datasheet before entering the field, rather than copied from a GPS at the site.

For the datasheet for LA-640-06: Lat 29.04737 and Long -090.74007 I had to derive these from Google Earth today, based on the actual SES segment start coordinates, coordinates for actual placements of birds, and BBS datasheet coordinates that seemed to be a little off in latitude.

For the datasheet marked "East Timbalier Island": Lat 29.06476 and Long -090.32709
Copied this from the corresponding BBS datasheet.

-Veronica

DEEPWATER HORIZON NRDA BIRD TEAM - working out of Anchorage, Alaska
Remote Advisor for Bird Study #1 (Beached Bird Survey), Bird Study #6 (Pelagic Surveys), Bird Study #8 (Breeding Shorebirds), and Bird Study #12 (Wintering Open Water Waterbirds)

[illegible]

Veronica Varela
Regional Coordinator, Natural Resource Damage Assessment and Restoration
U.S. Fish and Wildlife Service, Alaska Regional Office
1011 East Tudor Road, Mail Stop #361
Anchorage, Alaska 99503
(907) 786-3866 office phone
(907) 786-3848 fax
(907) 317-1350 cell
Veronica_Varela@fws.gov

Laurel Gale/R7/FWS/DOI



Laurel Gale/R7/FWS/DOI
10/03/2011 01:39 PM
To: Veronica Varela/R7/FWS/DOI
cc: Angela Matz/R7/FWS/DOI, Peggy Guyton/R4/FWS/DOI
Subject: Searcher Efficiency data

Hi Veronica,

BSE-SE. L.A. 644-01.11

I am attaching three Searcher Efficiency forms for your review. They are lacking the ending lat/long values in the Segment field of the datasheet. Could you please clarify these for me?

Thanks!

Laurel Gale



05E-56.1A-6441-01.11 lgale / Jgale
10/16/11

★ = data added 10/1/2010 VWR

Page 1 of 1

Please: only one carcass detection survey per form

BBS Team # (that will conduct beach search): 102 JoAnn Mills, Amy Peopatanapong

Segment Surveyed (and State): LA-640-06

Segment begin⁵: Lat: 29.04659 N

Long: 90.75958 W ← ^{start of vuv} _{with vuv} Start end for carcass planting

Start time for carcass placement: 12:50 End time:

Segment end⁵: Lat: 29.64737

Long: -90.74007

Total # carcasses placed in segment: ^{PM} 3

Notes/comments: Segment had to be an "out & back" walk, so BBS team walked to other end of segment & performed search on the return trip. SES planted carcasses as BBS team walked to starting point (behind BBS team).

Carcass #3 placed at base of grass clump.

Carcass #1 placed at base of sand fence.

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

LAGU = laughing gull

Photo #25 is a blob of oil
(fresh and gooey looking) within
5 ft of Bird #2 placement.

RSE-SE, LA-640-66, 12

10/6/11 10/6/11

Subject Re: Searcher Efficiency data

Hi, Laurel,

For the datasheet marked "Trinity East": Segment End coordinates should be: Lat 29.05934 and Long -90.67962

I had to derive these from Google Earth today, based on the known segment start coordinates, coordinates for actual placements of birds, and the known segment length of 2km. BBS datasheet seems to have entirely wrong coordinates for the point. I'm guessing it was written on the datasheet before entering the field, rather than copied from a GPS at the site.

For the datasheet for LA-640-06: Lat 29.04737 and Long -090.74007

I had to derive these from Google Earth today, based on the actual SES segment start coordinates, coordinates for actual placements of birds, and BBS datasheet coordinates that seemed to be a little off in latitude.

For the datasheet marked "East Timbalier Island": Lat 29.06476 and Long -090.32709

Copied this from the corresponding BBS datasheet.

-Veronica

DEEPWATER HORIZON NRDA BIRD TEAM - working out of Anchorage, Alaska
Remote Advisor for Bird Study #1 (Beached Bird Survey), Bird Study #6 (Pelagic Surveys), Bird Study #8 (Breeding Shorebirds), and Bird Study #12 (Wintering Open Water Waterbirds)

XX

Veronica Varela
Regional Coordinator, Natural Resource Damage Assessment and Restoration
U.S. Fish and Wildlife Service, Alaska Regional Office
1011 East Tudor Road, Mail Stop #361
Anchorage, Alaska 99503
(907) 786-3866 office phone
(907) 786-3848 fax
(907) 317-1350 cell

Veronica_Varela@fws.gov

1
 2
 3
 4
 5
 6
 7
 8
 9
 10
 11
 12
 13
 14
 15
 16
 17
 18
 19
 20
 21
 22
 23
 24
 25
 26
 27
 28
 29
 30
 31
 32
 33
 34
 35
 36
 37
 38
 39
 40
 41
 42
 43
 44
 45
 46
 47
 48
 49
 50
 51
 52
 53
 54
 55
 56
 57
 58
 59
 60
 61
 62
 63
 64
 65
 66
 67
 68
 69
 70
 71
 72
 73
 74
 75
 76
 77
 78
 79
 80
 81
 82
 83
 84
 85
 86
 87
 88
 89
 90
 91
 92
 93
 94
 95
 96
 97
 98
 99
 100
 101
 102
 103
 104
 105
 106
 107
 108
 109
 110
 111
 112
 113
 114
 115
 116
 117
 118
 119
 120
 121
 122
 123
 124
 125
 126
 127
 128
 129
 130
 131
 132
 133
 134
 135
 136
 137
 138
 139
 140
 141
 142
 143
 144
 145
 146
 147
 148
 149
 150
 151
 152
 153
 154
 155
 156
 157
 158
 159
 160
 161
 162
 163
 164
 165
 166
 167
 168
 169
 170
 171
 172
 173
 174
 175
 176
 177
 178
 179
 180
 181
 182
 183
 184
 185
 186
 187
 188
 189
 190
 191
 192
 193
 194
 195
 196
 197
 198
 199
 200
 201
 202
 203
 204
 205
 206
 207
 208
 209
 210
 211
 212
 213
 214
 215
 216
 217
 218
 219
 220
 221
 222
 223
 224
 225
 226
 227
 228
 229
 230
 231
 232
 233
 234
 235
 236
 237
 238
 239
 240
 241
 242
 243
 244
 245
 246
 247
 248
 249
 250
 251
 252
 253
 254
 255
 256
 257
 258
 259
 260
 261
 262
 263
 264
 265
 266
 267
 268
 269
 270
 271
 272
 273
 274
 275
 276
 277
 278
 279
 280
 281
 282
 283
 284
 285
 286
 287
 288
 289
 290
 291
 292
 293
 294
 295
 296
 297
 298
 299
 300
 301
 302
 303
 304
 305
 306
 307
 308
 309
 310
 311
 312
 313
 314
 315
 316
 317
 318
 319
 320
 321
 322
 323
 324
 325
 326
 327
 328
 329
 330
 331
 332
 333
 334
 335
 336
 337
 338
 339
 340
 341
 342
 343
 344
 345
 346
 347
 348
 349
 350
 351
 352
 353
 354
 355
 356
 357
 358
 359
 360
 361
 362
 363
 364
 365
 366
 367
 368
 369
 370
 371
 372
 373
 374
 375
 376
 377
 378
 379
 380
 381
 382
 383
 384
 385
 386
 387
 388
 389
 390
 391
 392
 393
 394
 395
 396
 397
 398
 399
 400
 401
 402
 403
 404
 405
 406
 407
 408
 409
 410
 411
 412
 413
 414
 415
 416
 417
 418
 419
 420
 421
 422
 423
 424
 425
 426
 427
 428
 429
 430
 431
 432
 433
 434
 435
 436
 437
 438
 439
 440
 441
 442
 443
 444
 445
 446
 447
 448
 449
 450
 451
 452
 453
 454
 455
 456
 457
 458
 459
 460
 461
 462
 463
 464
 465
 466
 467
 468
 469
 470
 471
 472
 473
 474
 475
 476
 477
 478
 479
 480
 481
 482
 483
 484
 485
 486
 487
 488
 489
 490
 491
 492
 493
 494
 495
 496
 497
 498
 499
 500
 501
 502
 503
 504
 505
 506
 507
 508
 509
 510
 511
 512
 513
 514
 515
 516
 517
 518
 519
 520
 521
 522
 523
 524
 525

Laurel Gale/R7/FWS/DOI



Laurel Gale/R7/FWS/DOI

10/03/2011 01:39 PM

To Veronica Varela/R7/FWS/DOI

cc - Angela Matz/R7/FWS/DOI, Peggy Guyton/R4/FWS/DOI

Subject Searcher Efficiency data

Hi Veronica,

3a, BSE-SE, LA-640-00.12 1 gal / 1 gal 10/11/11

I am attaching three Searcher Efficiency forms for your review. They are lacking the ending lat/long values in the Segment field of the datasheet. Could you please clarify these for me?

Thanks!

Laurel Gale



BSE-SE. LA-6410-06.12

lgale/Hydra 10/6/11

★ = data added 10/1/2011 VWW

Deepwater Horizon (MC 252)

"Trinity East"

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/25/2010 Searcher efficiency investigators (Print AND Sign names): Veronica Varela, Veronica W. Varela

BBS Team # (that will conduct beach search): 102 Jo Ann Mills, Amy Poopatanapong

BBS Datasheet ID # for associated beached bird survey form: ★ 9252010 LA-641-04.6435

Segment Surveyed (and State): LA-641-04 Segment begin⁵: Lat: 29.06549N Long: 90.65974 W

Start time for carcass placement: 9:52 AM End time: 11:00 AM Segment end⁵: Lat: 29.05931 Long: -90.67962 lg added 10/6/11

Total # carcasses placed in segment: 4

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
8	M	HS	LAGU	low	29.06144N	90.66646W	10:14 AM	yes	yes	13	14	15
10	S	NS	gull chick	upper	29.06145N	90.66660W	10:23 AM	yes	yes	16	17	18
7	M	NS	LAGU	upper	29.06137N	90.66686W	10:33 AM	yes	yes	19	20	21
9	XL	HS	HEGU	wrack	29.06057N	90.67249 W	11:00 AM VWW 10:52 AM	yes	yes	22	23	24

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

LAGU = laughing gull

HEGU = herring gull

BSE-SE, LA-641-04.13

gale Lopez

10/6/11

Page 4 of 7

Date: 9/22/2010 Searcher efficiency investigators (Print AND Sign names):

BBS Team # (that will conduct beach search): Five

BBS Datasheet ID # for associated beached bird survey form: to be inserted at later date

Segment Surveyed (and State): *AL-23-04*

Segment begin⁵: Lat: 30, 23087 Long: - 87.91579

Start time for carcass placement: 7:50 End time: 1025

Segment end⁵: Lat: 30.23149 Long: -87.9365

Total # carcasses placed in segment: 3

[illegible]

Notes/comments:

nts: Carcasses picked up before BBS team went through transect, that is why no carcasses found

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, AL-23-04.14

gale / Spall 10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, AL-23-04.14

gate / Varela

10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE- SE. AL-83-04.14 1 gal / 1 gal 10/25/11

* ~~date~~ added 10/1/2010 VWV

Deepwater Horizon (MC 252)

Page of

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/23/2010 Searcher efficiency investigators (Print AND Sign names): Tony Hard RG Ford

BBS Team # (that will conduct beach search): Santa Rosa, FL

BBS Datasheet ID # for associated beached bird survey form:

Segment Surveyed (and State): WFL-26-02 Segment begin⁵: Lat: 30.26066 Long: 85.97524

Start time for carcass placement: 0701 End time: 0805 Segment end⁵: Lat: 30.26487 Long: 85.98537

Total # carcasses placed in segment: 3

[illegible]

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

RSE-SE, WFL-26-02.15

Yak/Spale 10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, WFL-26-02.15 gsk/ Jpaul 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE. WFL-26-02.15 1gale/1gale 10/25/11

★ = data added 10/1/2010 VVV

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 09/23/2010 Searcher efficiency investigators (Print AND Sign names): Tray Hard R. G. Ford

BBS Team # (that will conduct beach search): Santa Rosa beach, FL

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): WFL-27-02 Segment begin⁵: Lat: 30.233 Long: 85.91287

Start time for carcass placement: 0830 End time: 0904 Segment end⁵: Lat: 30.24213 Long: 85.93192

Total # carcasses placed in segment: 4

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
40	Med	no/light	Skimmer	upper	30.23930	85.92577	0833	yes	yes	6417	6418	6419
38	Med	no/light	Laughing Gull	upper	30.23210	85.92342	0840	yes	yes	6420	6421	6422
39	Small	no/light	Tern	upper	30.23537	85.92187	0844	yes	yes	6423	6424	6425
41	Small	no/light	Petrel	low	30.24051	85.92212	0858	yes	yes	6426	6427	6428

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, WFL-27-02.116

[Signature]

10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE. WFL-27-02.16 Gak/Spale 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE.WFL-27-02.16 Igate/ Igale 10/25/11

★ = data added 33 10/1/2010 VVV

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 09/23/2010 Searcher efficiency investigators (Print AND Sign names): Tray Host RC, 5000 BB

BBS Team # (that will conduct beach search): Santa Rosa Beach, FL

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): WFL 28-02 Segment begin⁵: Lat: 30.19298 Long: 85.83719

Start time for carcass placement: 0931 End time: 1006 Segment end⁵: Lat: 30.19982 Long: 85.83719

Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
<u>18</u>	<u>Med.</u>	<u>heavy</u>	<u>Largemouth Gull</u>	<u>Upper</u>	<u>30.19650</u>	<u>85.84338</u>	<u>0936</u>	<u>yes</u>	<u>yes</u>	<u>6429</u>	<u>6430</u>	<u>6431</u>
<u>19</u>	<u>Med.</u>	<u>no/Light</u>	<u>Largemouth Gull</u>	<u>Upper</u>	<u>30.19481</u>	<u>85.84020</u>	<u>0956</u>	<u>yes</u>	<u>yes</u>	<u>6432</u>	<u>6433</u>	<u>6434</u>
<u>17</u>	<u>XL</u>	<u>no/Light</u>	<u>Largemouth Gull</u>	<u>Upper</u>	<u>30.19473</u>	<u>85.84001</u>	<u>1002</u>	<u>yes</u>	<u>yes</u>	<u>6435</u>	<u>6436</u>	<u>6437</u>

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE. WFL-28-02.17

19/25/11

10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, WFL-28-02.17 1gale/foale 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE, WFL-02.17 Joe / Lora 10/25/11

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/23/2010 Searcher efficiency investigators (Print AND Sign names): Nadia Martin / Aaron RichardsBBS Team # (that will conduct beach search): Gulfport

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): MS-08-01 Segment begin⁵: Lat: 30.34307 Long: -88.72869Start time for carcass placement: 0625 End time: 0650 Segment end⁵: Lat: 30.34843 Long: -88.74852Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
92	M	HS	AGUL	Upper	30.34424	-88.73544	0625	yes	yes	50	516	517
91	M	NS	AGUL	Low	30.34514	-88.73809	0631	yes	yes	518	519	520
90	XL	NS	LGUL	Upper	30.34743	-88.74506	0640	yes	yes	521	522	523

Notes/comments:

Retrieved carcasses from 9:45 am to 10:30 am

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, MS-08-01.18 1966/1966 10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, MS-08-01.18 gar/Spide 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE - SE, MS - 08-01. 18 1946/1946 10/25/11

Page	of
------	----

Please: only one carcass detection survey per form

BBS Team # (that will conduct beach search) Santa Rosa beach, FL

BBS Datasheet ID # for associated beached bird survey form:

Segment Surveyed (and State): WFL-22-03

Segment begin⁵: Lat: 30,34264 Long: 30,3458

Start time for carcass placement: 6:20 End time: 6:50

Segment end⁵: Lat: 86.21945 Long: 86.22980

Total # carcasses placed in segment: 3

[illegible]

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

★ BBS team listed that they found Carcass #
12, 20, 22. I assume "12" was
really supposed to be "21", so I entered
"yes" for Carcass #21 above. vvv✓

BSE-SE. WFL-22-03.19

1 gal / 1 gal

10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, WFL-22-03, 19 Gale / Apple 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE - SE, WFL-22-03.19

Jale/Jale

10/25/11

★ = data added 10/1/2010 VVV

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/24/2010 Searcher efficiency investigators (Print AND Sign names): Tray Hard [Signature]BBS Team # (that will conduct beach search): Santa Rosa Beach, FL

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): WFL 25-01 Segment begin⁵: Lat: 30.30608 Long: 86.09731Start time for carcass placement: 7:35 End time: 8:51 Segment end⁵: Lat: 30.31095 Long: 86.11274Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
26	Med.	no/light	Gull	low	30.30880	86.10542	7:46	yes	yes	6447	6448	6449
23	Med	no/light	Gull	upper	30.31005	86.10932	7:58	yes	yes	6450	6451	6452
27	med	no/light	Gull	upper (in) wrack	30.31068	86.11147	8:14	yes	yes	6453	6454	6455
										</		

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, WFL-25-01.20 1946/1946 10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE - SE, WFL-25-01.20 gale/ Lopez 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE, WFL-25-01.20 gsk/ Jofal 10/25/11

Deepwater Horizon (MC 252)

SEARCHER EFFICIENCY STUDY DATA SHEET

Timbalier Island (East End)

Page 1 of 1

Please: only one carcass detection survey per form

Date: 9/24/2010 Searcher efficiency investigators (Print AND Sign names): Veronica Varela Veronica W. VarelaBBS Team # (that will conduct beach search): 102 JoAnn Mills, Amy PoopatanapongBBS Datasheet ID # for associated beached bird survey form: LA-463-01 ^{did not record on SES GPS}Segment Surveyed (and State): LA-463-01 Segment begin⁵: Lat: 29.091347 Long: 90.541500 ^{worked toward W}Start time for carcass placement: 11:05 End time: did not record Segment end⁵: Lat: did not record Long: _____Total # carcasses placed in segment: 2

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
13	M	NS	laughing gull	low	Did not record		10:00am	yes	yes	1	2	3
14	XL	NS	herring gull	wrack	"	"	10:20 AM	yes	yes	5	4	6

Notes/comments: #13 placed at 608m from start; #14 placed at 850m from start.

BBS team performed their survey as once-thru, so SES went ahead of BBS to plant carcasses. BBS team waited out of sight for 15 min. BBS team picked up carcasses they found, since survey was a once-thru and we needed to try to fit in a second segment later in day. Study was performed after a rain (i.e., beach was untracked by humans and somewhat easily trackable)

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/Long of original BBS segment for geographical reference

Camera #3028

BSE-SE.LA-643-01.21 Igale/Igale 10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, LA-643-01.21 19/25/11 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE.LA-643-01.21

Igal / Jgal

10/25/11

★ = data added 10/1/2010 vvv

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/24/10 Searcher efficiency investigators (Print AND Sign names): Wendy M. Swindell James F. Weigand/DOE James J. WeigandBBS Team # (that will conduct beach search): Gulfport

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): MS 23-09 Segment begin⁵: Lat: 30.3068 Long: -89.26753Start time for carcass placement: 0711 End time: _____ Segment end⁵: Lat: 30.30334 Long: -89.28791Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
105	Med	NS	LAGU	UPPER	30.30597	-89.27100	0711	yes	YES	49	50	51
107	Med	NS	LAGU	UPPER	30.30680	-89.26753	0740	yes	YES	52	53	54
106	MED	HS	LAGU	UPPER	30.30366	-89.28189						
106	MED	HS	LAGU	UPPER	30.30353	-89.28368	0758	yes	YES	55	56	57/58

Notes/comments:

OUR BIRD LIST SAYS THAT THE BIRD (LAGU #105) IS HEAVILY SCAVENGED. ACTUALLY THE BIRD WAS "NO/LIGHT"

GPS UNIT WAS NOT FUNCTIONING CONSISTENTLY. TO BE SURE THAT THE THIRD BIRD WAS INSIDE

¹ small (S), medium (M), large (L), or x-large (XL) THE PLOT WE MAY HAVE PLACED THE BIRD (LAGU #106) OFF THE SPECIF

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, MS-23-09.22

gale/Loose

10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, MS-23-09.22 1 gal / 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE. MS-23-09.22 19/10/11 10/25/11

★ = data added 10/1/2010 VWV

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/26/2010 Searcher efficiency investigators (Print AND Sign names): Tray Hart Rev

Glen Ford

Travis

BBS Team # (that will conduct beach search): Cameron, LA

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): LA 75-04 Segment begin⁵: Lat: 29.76259 Long: 93.56105Start time for carcass placement: 7:35 End time: 8:16 Segment end⁵: Lat: 29.76376 Long: 93.54063Total # carcasses placed in segment: 4

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
129	XL	no/light	Gull	Wrack	29.76233	93.55179	7:37	yes	yes	6456	6457	6458
127	med	no/light	Gull	Upper	29.76241	93.55186	7:40	yes	yes	6459	6460	6461
130	XL	no/light	Gull	Upper	29.76339	93.54492	8:13	yes	yes	6462	6463	6464
128	med	no/light	Gull	Upper	29.76145	93.55939	8:00	yes	yes	6465	6466	6467

Notes/comments:

BBS team name → Sabine

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/Long of original BBS segment for geographical reference

★ Carcass #s all match what BBS team says they found, but BBS species ID is very different from species listed above. Because #s were consistent, marked all carcasses as "found" above. VWV

BSE-SE, LA-75-04.23

gale/foote

10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)

The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.

This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).

The proper BBS datasheet ID#'s are shown below.

Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.

BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.

A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).

LISTED IN ORDER OF DATE

SES Datasheet Descriptors

Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

OSE-SE.LA-75-04.23

igale/igale

10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE - SE, LA - 75 - 04.23

gal/gal 10/25/11

★ = data added 10/1/2010

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/25/2010 Searcher efficiency investigators (Print AND Sign names): Tray Hart [Signature]BBS Team # (that will conduct beach search): Mobile, AL Cameron, LA

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): LA 75-02 Segment begin⁵: Lat: 29.75607 Long: 93.6018Start time for carcass placement: 8:30 End time: 9:40 Segment end⁵: Lat: 29.75882 Long: 93.5815Total # carcasses placed in segment: 5

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
								5m	10m	25m		
122	Med.	no/light	Gull	Low	29.75641	93.59952	8:35	yes	yes	6171	6172	6173
124	Med.	no/light	Gull	Low	29.75646	93.59192	8:51	yes	yes	6175	6176	6177
123	Med.	HS	Gull	Upper	29.75804	93.58330	9:14	yes	yes	6178	6179	6180
125	Med.	HS	Gull	Low	29.75802	93.58445	9:20	yes	yes	6181	6182	6183
126	Med.	no/light	Gull	Wreck	29.75846	93.58271	9:24	yes	yes	6184	6185	6186

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BBS Team → Sabine

BBE-SE.LA-75-02.24 1946/1946 10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

05E-SE, LA-75-02.24 Gale/fofale 10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

POSE-SE, LA-75-02.24 gale/gale 10/25/14

60
★ = data added 10/1/2010 VVV

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/25/2010 Searcher efficiency investigators (Print AND Sign names): Nadia Martin Aaron Richards

BBS Team # (that will conduct beach search): Rockefeller

BBS Datasheet ID # for associated beached bird survey form: ★ no # yet

Segment Surveyed (and State): LA-77-03 Segment begin⁵: Lat: 29.7773 Long: -93.25063

Start time for carcass placement: 0115 End time: 0130 Segment end⁵: Lat: 29.77631 Long: -93.27139

Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
164	M	HS	LAGU	upper	29.7767	-93.25371	0118	yes	yes	547	548	549
165	L	HS	MEGU	low	29.77682	-93.26175	0124	yes	yes	550	551	552
163	M	NS	LAGU	upper	29.7716	-93.20243	0128	yes	yes	553	554	555

Notes/comments:

Retrieved birds from 1345 to 1500.

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

DSE-SE.LA-77-03.25 gale/Spice 10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)

The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.

This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).

The proper BBS datasheet ID#'s are shown below.

Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.

BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.

A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).

LISTED IN ORDER OF DATE

SES Datasheet Descriptors

Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE - SE, LA-77-03.25

gale / gale

10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE, LA-77-03.25 Jale / Jale 9/25/11

Wendy M. Swadlow, Marilee Lovit

Date: 9/25/10 Searcher efficiency investigators (Print AND Sign names): Wendy M. Swindell, Marilee Lovit

BBS Datasheet ID # for associated beached bird survey form:

Segment Surveyed (and State): MS 17-02

Segment Surveyed (and State): MS 17-02 Segment begin⁵: Lat: 30.31374 Long: -89.06320

Start time for carcass placement: 0705 End time: 0739 Segment end⁵: Lat: 30.36765 Long: -89.08282

Total # carcasses placed in segment: 3

[illegible]

Notes/comments: Carcass 98 picked up at 30.37277 -89.06672 (approx 6 m west of placement location)

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE.MS-17-02.26 | Gek | Lpale 10/25/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

OSE - SE. MS-17-02. 26

lgk/jgal

10/25/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE. MS-17-02.26 1gar/Lgar 10/25/11

Page of

Please: only one carcass detection survey per form

BBS Team # (that will conduct beach search): Sabine Loss, LA

BBS Datasheet ID # for associated beached bird survey form:

Segment Surveyed (and State): LA 76-06 Segment begin⁵: Lat: 29.76713 Long: 93.3968

Start time for carcass placement: 6:00 End time: 6:48 Segment end⁵: Lat: 29.76532 Long: 93.3763

Total # carcasses placed in segment: 5

[illegible]

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 Ail Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, LA-76-66.27

Ignie / Lyden

10/27/11

no pics
no camera
in field
phone d/ea
pics
pic on phone
pk

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, LA-76-06.27 Jan / Jpale 10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE. LA-76-06, 27 10/27/11

★ data added 10/1/2010 VWV

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/26/2010 Searcher efficiency investigators (Print AND Sign names): Tony Hart T. Darden EClement LABBS Team # (that will conduct beach search): Sabine Pass, LA

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): LA 76-04 Segment begin⁵: Lat: 29.76884 Long: 93.438Start time for carcass placement: 7:16 End time: 8:35 Segment end⁵: Lat: 29.76818 Long: 93.4174Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
136	med	no/light	Gull	Wreck	29.76874	93.43235	7:22	yes	Yes	6500	6501	6502
137	med	HS	Gull	low	29.76858	93.42824	7:43	yes	Yes (not tag)	6505	6506	6507
138	med	no/light	Gull	upper	29.76858	93.41833	8:16	yes	Yes	6508	6509	6510
									</			

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE, LA-76-04.28 gale / Joppe 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE SE. LA-76-01.28 [signature] 10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE. LA-76-04.28 gal / 10/27/11

★ - data added 10/1/2010 VWV


Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/26/2010 Searcher efficiency investigators (Print AND Sign names): Tony Hurd Gilene FordBBS Team # (that will conduct beach search): Sabine Pass, LABBS Datasheet ID # for associated beached bird survey form: DorindaSegment Surveyed (and State): LA 76-02 Segment begin⁵: Lat: 29.76985 Long: 93.4792Start time for carcass placement: 8:18 End time: 8:54 Segment end⁵: Lat: 29.76941 Long: 93.4586Total # carcasses placed in segment: 5

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time		Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
								Carcass detected by BBS team?		5m	10m	25m
134	XL	HS	Gull	upper	29.76971	93.47009	8:22	yes	yes	6514	6515	6516
135	mod	no/light	Gull	wrack	29.76968	93.47027	8:25	yes	yes	6517	6518	6519
132	mod	no/light	Gull	upper	29.76971	93.46645	8:36	yes	yes	6520	6521	6522
131	mod	no/light	Gull	upper	29.76951	93.46168	8:45	NO	yes	6523	6524	6525
133	mod	no/light	Gull	upper	29.76952	93.46060	8:49	NO	yes	6526	6527	6528

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

★ Carcass 134 - BBS team could not read # off carcass, and called it a caspian tern, but there location is consistent with carcass #134, so marked #134 as "found" above.

BSE-SE. LA - 76-02.29

jpe/ J. Ford

10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the				
SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed,				
electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet				
ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, LA-76-02.29

Jgill/Jgill

10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

10E-SE.LA-76-02.29 10/27/11

★ = data added 10/1/2010 VWV

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/26/2010 Searcher efficiency investigators (Print AND Sign names): Nadia Martin Mohi MartinBBS Team # (that will conduct beach search): Rockefeller

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): LA-563-01 Segment begin⁵: Lat: 29.75119 Long: -93.09295Start time for carcass placement: 0600 End time: 0700 Segment end⁵: Lat: 29.7491 Long: -93.08330Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
115	M	NS	LAGU	low	29.75073	-93.09171	0640	yes	yes	—	—	—
114	M	HS	LAGU	wreck	29.74989	-93.08764	0640	yes	yes *	—	—	—
113	XL	HS	HEGU	upper	29.74942	-93.08508	0651	NO	yes	—	—	—

New distance

128m

536m

782m

Notes/comments:

No photos were taken because it was raining. The transect was only 11cm long, so each bird's distance was too far, so we subtracted 1000m from each distance.

* This bird was recovered, but the tag was gone and only 2 wing feathers (disconnected) were left.

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

Retrieved birds from 1400 to 1530.

BSE-SE, LA-563-01. 30

lgak/fgak

10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE - SE, LA - 563-01.30 gpk/gale 10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE - SE, LA-563-01.30 Igak / Igale 10/27/11

★ = data added 10/1/2010 VWV

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 7/26/2010 Searcher efficiency investigators (Print AND Sign names): Wendy M. Swindell [Signature]BBS Team # (that will conduct beach search): PWS 9014BBS Datasheet ID # for associated beached bird survey form: 30.24346 -87.49724Segment Surveyed (and State): AL 26-07 Segment begin⁵: Lat: 30.24346 Long: -87.50913Start time for carcass placement: 0737 End time: 0752 Segment end⁵: Lat: 30.24346 Long: -87.51327Total # carcasses placed in segment: 2 30.24008 -87.51746

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
<u>82</u>	<u>med</u>	<u>NS</u>	<u>LAGU</u>	<u>wrack</u>	<u>30.24346</u>	<u>-87.50913</u>	<u>0737</u>	<u>yes</u>	<u>yes</u>	<u>126</u>	<u>127</u>	<u>128</u>
<u>81</u>	<u>med</u>	<u>NS</u>	<u>LAGU</u>	<u>upper</u>	<u>30.24008</u>	<u>-87.51327</u>	<u>0752</u>	<u>yes</u>	<u>yes</u>	<u>129</u>	<u>130</u>	<u>131</u>

Notes/comments: 1) Birds from AL06-02. AL 26-07 birds not available.
 2) Bird #82 placed in location other than place to ensure no interaction with search team
 3) Bird #81 placed upper due to ensuring it is not swept out with tide.

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE.AL-26-07.31 1942/1944 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, AL-26-07.31

lgall/fgall

10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE-AL-26-07.31 19/11/14 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the				
SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed,				
electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet				
ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE - SE, LA- 645-01.32 1 gal 1 gal 10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BE-SE.LA-645-01.32 gave Jope 10/27/11

★ - data added 10/1/2010 VWV

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/27/2010 Searcher efficiency investigators (Print AND Sign names): Troy Hart Travis DardenBBS Team # (that will conduct beach search): Sabine Pass, LA

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): LA 83-04 Segment begin⁵: Lat: 29.74641 Long: 93.6835Start time for carcass placement: 6:20 End time: 7:10 Segment end⁵: Lat: 29.74931 Long: 93.6632Total # carcasses placed in segment: 5

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
154	Med	no/light	Gull	Wrack	29.74863	93.66648	6:23	yes	yes	1	2	3
152	XL	no/light	Gull	upper	29.74855	93.66722	6:26	yes	yes	4	5	6
150	med	no/light	Gull	upper	29.74794	93.67147	6:37	yes	yes	7	8	9
151	Small	no/light	Gull	upper	29.74752	93.67404	6:43	yes	yes	10	11	12
153	Med	HS	Gull	upper	29.74694	93.67831	6:51	NO	yes	14	15	13

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BBS - SE. LA - 83 - 04.33

Gull/Lepus

10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the				
SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed,				
electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet				
ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, LA-83-04.33 1 gale / 1 gale 10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE - SE, VA-23-04.33

Jek/Jep

10/27/11

Please: only one carcass detection survey per form

BBS Team # (that will conduct beach search): Sabine Pass, LA

BBS Datasheet ID # for associated beached bird survey form:

Segment Surveyed (and State): LA 81-0 Segment begin⁵: Lat: 29.75187 Long: 93.6428

Start time for carcass placement: 7:20 End time: 8:30 Segment end⁵: Lat 29.75422 Long: 93.6224

Total # carcasses placed in segment: 5

[illegible]

Notes/comments:

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

Decimal degrees, WGS 84
Original BBS segment for geographical reference

BSE- SE. LA - 81-01.34 1946/ 1946 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE - SE. LA - 81 - 01. 34 1 gale / 1 gale 10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE - SE - 81-01.31 Gall / Gall 10/27/11

★ = data⁹¹ added 10/1/2010 VWW

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/27/2010 Searcher efficiency investigators (Print AND Sign names): Nadia Martin Aaron Richards

BBS Team # (that will conduct beach search): Rod e feller

BBS Datasheet ID # for associated beached bird survey form: 1

Segment Surveyed (and State): LA-562-03 Segment begin⁵: Lat: 29.7686 Long: -93.17053

Start time for carcass placement: 0600 End time: 0631 Segment end⁵: Lat: 29.77253 Long: -93.1907

Total # carcasses placed in segment: 4

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
								5m	10m	25m		
1109	XL	HS	HEGU	upper	29.76906	-93.17274	0625	yes	yes	560	567	568
1106	XL	NS	HEGU	wrack	29.76899	-93.17281	0627	yes	yes	569	570	571
1107	XL	NS	HEGU	upper	29.77028	-93.17898	0631	yes	yes	572	573	574
1108	M	NS	LAGU	upper	29.77147	-93.18629	0635	yes	yes	575	576	577

Notes/comments:

Retrieved birds from 1400 to 1530.

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE- SE. LA- 562-03.35 gale / gale 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE. LA-562-03.35

1 gal / 1 gal

10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BOE - SE. LA-562-03. 35 gaur gaur 10/27/11

★ = data added 10/1/2010 vuv

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/27/2010 Searcher efficiency investigators (Print AND Sign names): Nadia Martin Nadia MartinBBS Team # (that will conduct beach search): Rocketteller

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): LA-562-02 Segment begin⁵: Lat: 29.77344 Long: -93.19677Start time for carcass placement: 0641 End time: 0646 Segment end⁵: Lat: 29.77597 Long: -93.21733Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
170	M	HS	LAGU	upper	29.77440	-93.20248	0641	yes	yes	578	579	580
172	M	NS	LAGU	wrack	29.77422	-93.20279	0643	yes	yes	581	582	583
171	M	HS	LAGU	upper	29.77448	-93.20353	0646	yes	yes	584	585	586

Notes/comments:

Retrieved birds from 1400 to 1530.

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE-LA-562-02-36 1946/1946 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE.LA-562-02.36 Gale/Spur 10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

PSE - SE, LA - 362 - 02.36 loge / loge 10/27/11

★ = data added 10/1/2010 VWV

Deepwater Horizon (MC 252)

Page 1 of 1

SEARCHER EFFICIENCY STUDY DATA SHEET

Please: only one carcass detection survey per form

Date: 9/27/2010 Searcher efficiency investigators (Print AND Sign names): Nadia Martin Adrian Martin Angela Arion RichardsBBS Team # (that will conduct beach search): Rockefeller

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): LA-562-01 Segment begin⁵: Lat: 29.71646 Long: -93.22349Start time for carcass placement: 0653 End time: 0705 Segment end⁵: Lat: 29.71731 Long: -93.24435Total # carcasses placed in segment: 5

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	★ Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
								5m	10m	25m		
108	M	HS	LAGU	low	29.71652	-93.22599	0653	yes	yes	587	588	589
112	S	NS	GWTE	wrack	29.71663	-93.22749	0656	yes	yes	590	591	592
* 109	M	HS	LAGU	wrack	29.71667	-93.22884	0658	yes	yes	593	594	595
* 110	S	NS	AMBY	upper	29.71719	-93.23327	0701	NO	yes	596	597	598
111	M	NS	LAGU	upper	29.71732	-93.23812	0705	yes	yes	599	600	601

Notes/comments:

* Birds 109 and 110 were recovered, but had been heavily scavenged. Photo 0625 ~~was~~ shows the scavenged bird 109. Bird 110 was not as heavily scavenged but its tag was detached.

Retrieved birds from 1400 to 1530.

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

⁴ All Lat/Long decimal degrees, WGS 84

⁵ Lat/long of original BBS segment for geographical reference

BSE-SE. LA-562-01. 37 gale/force 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE - SE, LA-562-01.37 Iguel Lopez 10/27/11


				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

PSE-SE, LA-562-01.37 Jule/Jane 10/27/11

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/28/2010 Searcher efficiency investigators (Print AND Sign names): Philip Bentley BBS Team # (that will conduct beach search): Dolphin Island

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): AL-07-02 Segment begin⁵: Lat: 30.24849 Long: -88.18012Start time for carcass placement: 0923 End time: 1325* Segment end⁵: Lat: 30.25029 Long: -88.20244Total # carcasses placed in segment: 5

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
60	M	NS	LAGU	wreck	30.24550	88.18733	0900	Yes	Yes	46	47	48
97	M	NS	RBGU	wreck	30.24862	88.18633	0906	Yes	Yes	49	50	51
56	XL	HS	HEGU	upper	30.24829	88.19175	0920	Yes	Yes	52	53	54
102	M	NS	LAGU	wreck	30.24823	88.19370	0924	Yes	Yes	55	56	57
52	S	NS	GUTE	low	30.24821	88.19433	0932	Yes	Yes	58	59	60

Notes/comments: 1) Bird numbers may not be those originally planned. Used birds that were available. Birds may have been used on other transects.
* Time Carcasses retrieved

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wreck⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-85, AL-07-02, 38

Jale/Lepel

10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-8E, AL-07-02.38 1gall / 1gall 10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE - SE. AL - 07 - 02.38 *gale/gale*

Date: 9/28/2010 Searcher efficiency investigators (Print AND Sign names): Philip Berthel

BBS Team # (that will conduct beach search): Dolphin Island

BBS Datasheet ID # for associated beached bird survey form:

Segment Surveyed (and State): AL-06-03 Segment begin⁵: Lat: 30.23743 Long: -88.26603

Start time for carcass placement: 10:05 End time: 12:35 Segment end⁵: Lat: 30.23445 Long: -88.2868

Total # carcasses placed in segment: 2

Notes/comments: 1) Bird numbers may not be those originally planned. Used birds that were available. Birds may have been used on other transects.
* Tissue carcasses retrieved

¹ small (S), medium (M), large (L), or x-large (XL)

² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))

³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack

4 All Lat/Long decimal degrees, WGS 84

⁶ Lat/long of original BBS segment for geographical reference

BSE-SE, AL-06-03, 39

1 gal / 1 gal 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the				
SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed,				
electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
<i>The proper BBS datasheet ID#'s are shown below.</i>				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet				
ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE-SE, AL-06-03. 39

19/10/11

10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BSE-SE. AL-06-03. 39 Gale / Gale 10/27/11

Deepwater Horizon (MC 252)

Page 1 of 1**SEARCHER EFFICIENCY STUDY DATA SHEET**

Please: only one carcass detection survey per form

Date: 9/28/2010 Searcher efficiency investigators (Print AND Sign names): [Signature]BBS Team # (that will conduct beach search): Dauphin Island

BBS Datasheet ID # for associated beached bird survey form: _____

Segment Surveyed (and State): AL-06-05 Segment begin⁵: Lat: 30.228698 Long: -88.3037Start time for carcass placement: 11:20 End time: 14:15* Segment end⁵: Lat: 30.227267 Long: -88.32343Total # carcasses placed in segment: 3

Carcass ID #	Size ¹	Carcass state ²	Species	Position ³	Latitude ⁴	Longitude ⁴	Placement Time	Carcass detected by BBS team?	Carcass recovered by Searcher Efficiency team?	ID of Photos Taken at		
										5m	10m	25m
93	XL	NS	HELV	UPPER	30.22733	88.32159	11:35	Yes	Yes	67	68	69
98	XL	HS	HELV	UPPER	30.22713	88.32005	11:42	Yes	Yes	70	71	72
59	M	NS	HELV	UPPER	30.22839	88.30663	11:58	Yes	Yes	73	74	75

Notes/comments: 1) Bird numbers may not be those originally planned. Used birds that were available. Birds may have been used on other transits.
 2) Bird 93 known to have been used on MS15-01.

* Time carcasses retrieved

¹ small (S), medium (M), large (L), or x-large (XL)² state of original carcass (no/light scavenged (NS) or heavily scavenged (HS))³ position relative to surf, indicate one: low (wash zone), upper (high tide), or wrack⁴ All Lat/Long decimal degrees, WGS 84⁵ Lat/long of original BBS segment for geographical reference

BSE-SE. AL-06-05.41 Gale/Spencer 10/27/11

Deepwater Horizon NRDAR - Searcher Efficiency Study (Bird Study #1B)				
The following datasheets did not have data entered into the "BBS datasheet ID # for associated beached bird survey form" field.				
This occurred because the BBS datasheet ID#s are assigned when the datasheet is entered into the ERDC database, and at the time the SES datasheets were being completed, entry of the BBS data had not occurred yet. After the SES datasheets were completed, electronic scanned copies of the SES and BBS datasheets were made (many BBS datasheet ID#s were still blank).				
The proper BBS datasheet ID#'s are shown below.				
Prepared by Veronica Varela, USFWS, using BBS datasheet ID #'s entered into the ERDC database for those BBS datasheets as of 10/18/2011.				
BBS datasheets were identified by matching the date and segment name on both the SES and NRDA BBS datasheets.				
A double-check for the correct BBS datasheet was performed by ensuring that the scanned BBS datasheet (with the blank BBS datasheet ID #) matched the ERDC data entered with respect to the collection of non-SES carcasses (and the species, if any carcasses were collected).				
LISTED IN ORDER OF DATE				
SES Datasheet Descriptors				
Date	Segment Surveyed	SES Investigators	BBS datasheet ID#	Notes
9/22/2010	AL-23-04	Brasso, Swindell, Camp	9222010AL-23-04.6252	
9/23/2010	WFL-26-02	Ford, Hart	9232010WFL-26-02.6542	
9/23/2010	WFL-27-02	Ford, Hart	9232010WFL-27-02.6539	
9/23/2010	WFL-28-02	Ford, Hart	9232010WFL-28-02.6529	
9/23/2010	MS-08-01	Martin, Richards	9232010MS-08-01.7101	
9/24/2010	WFL-22-03	Ford, Hart	9242010WFL-22-03.6512	
9/24/2010	WFL-25-01	Ford, Hart	9242010WFL-25-01.6519	
				Revised enties (all data taken from BBS datasheet): Segment begin GPS location: Lat 29.05913 N, Long 090.46094 W; Start time for carcass placement: 9:45am. Carcass 13 placement location: 29.05953 N, 090.46719 W; Carcass 14 placement location: 29.05978 N, 090.46961 W.
9/24/2010	LA-643-01	Varela	9242010LA-643-01.7084	
9/24/2010	MS-23-09	Weigand, Swindell	9242010MS-23-09.7093	
9/25/2010	LA-75-04	Ford, Hart	9252010LA-75-04.6855	
9/25/2010	LA-75-02	Ford, Hart	9252010LA-75-02.7120	

BSE - SE. AL - 06 - 05. 41

Varela / Ford

10/27/11

				Correct start and end times for carcass placement are indeed 1:15am and 1:30am. No corrections to times needed.
9/25/2010	LA-77-03	Martin, Richards	9252010LA-77-03.7112	
9/25/2010	MS-17-02	Lovit, Swindell	9252010MS-17-02.7097	
9/26/2010	LA-76-06	Ford, Hart	9262010LA-76-06.7122	
9/26/2010	LA-76-04	Ford, Hart	9262010LA-76-04.7110	
9/26/2010	LA-76-02	Ford, Hart	9262010LA-76-02.6839	
9/26/2010	LA-563-01	Martin, Richards	9262010LA-563-01.6774	
9/26/2010	AL-26-07	Bartley, Swindell	9262010AL-26-07.6810	
9/26/2010	LA-645-01	Varela	9262010LA-645-01.7087	
9/27/2010	LA-83-04	Hart, Darden	9272010LA-83-04.6779	
9/27/2010	LA-81-01	Hart, Darden	9272010LA-81-01.6791	
9/27/2010	LA-562-03	Martin, Richards	9272010LA-562-03.6762	
9/27/2010	LA-562-02	Martin, Richards	9272010LA-562-02.6767	
9/27/2010	LA-562-01	Martin, Richards	9272010LA-562-01.6769	
9/28/2010	AL-07-02	Bartley	9282010AL-07-02.6508	
9/28/2010	AL-06-03	Bartley	9282010AL-06-03.6509	
9/28/2010	AL-06-05	Bartley	9282010AL-06-05.6510	

BE - SE, AL - 06-05.4L

Gene Lopez

10/27/11