

IAP Cover Sheet

Version Name: 03/10/2015 02:54:52

Incident Name: Morgan's Point Collision

Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]

Approved By

Federal OSC:

Date: 10 MARCH 2015

State OSC:

Date: 3/10/15

Local Government OSC:

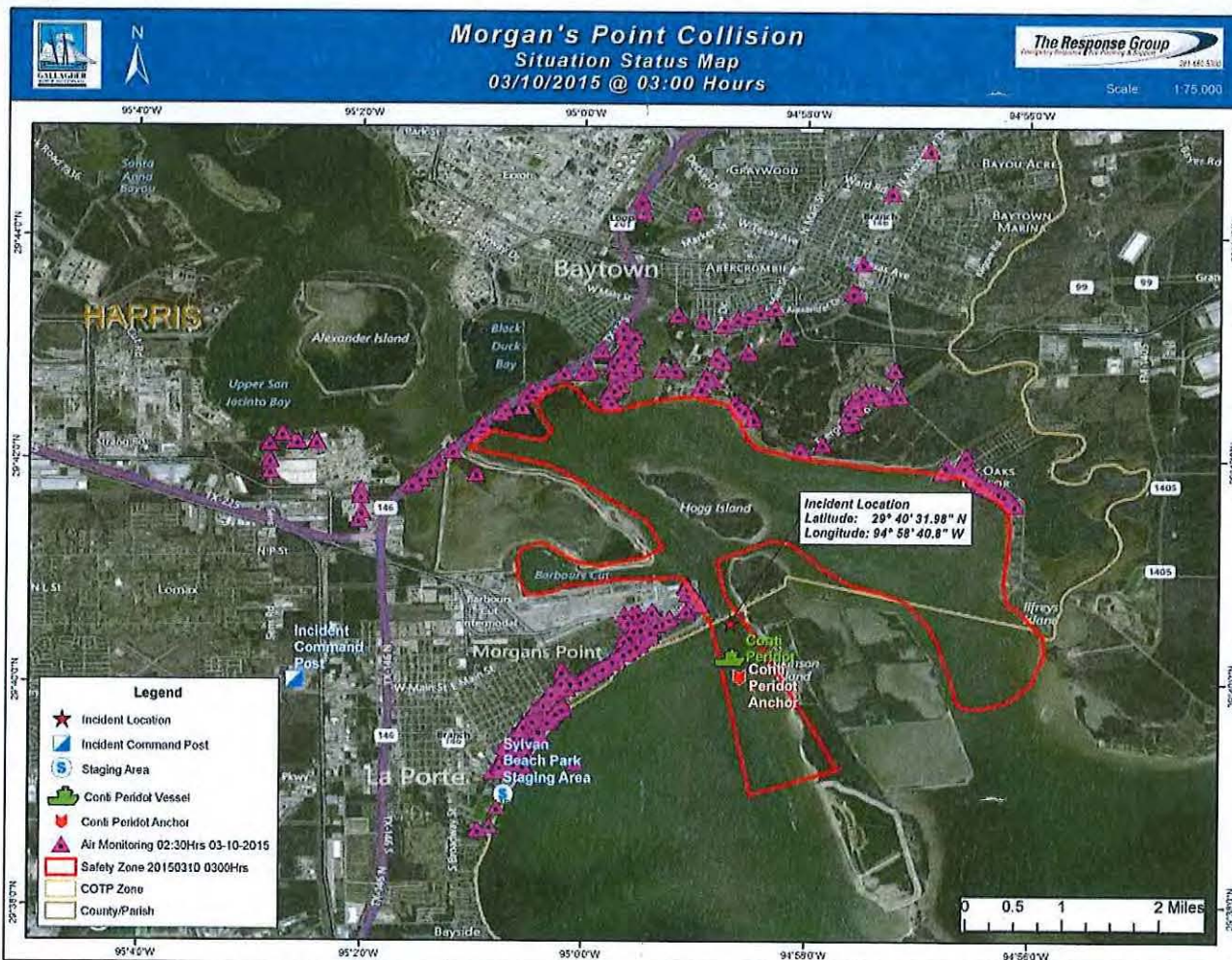
Date: 3/10/15

Incident Commander:

Date: 3/10/15

Incident Action Plan

03-10-2015 @ 03:00 Hrs Situation Status Map



Prepared By: Planning

IAP Cover Sheet

Last Update By Gallagher Marine At 03/10/2015 03:43 GMT -6:00

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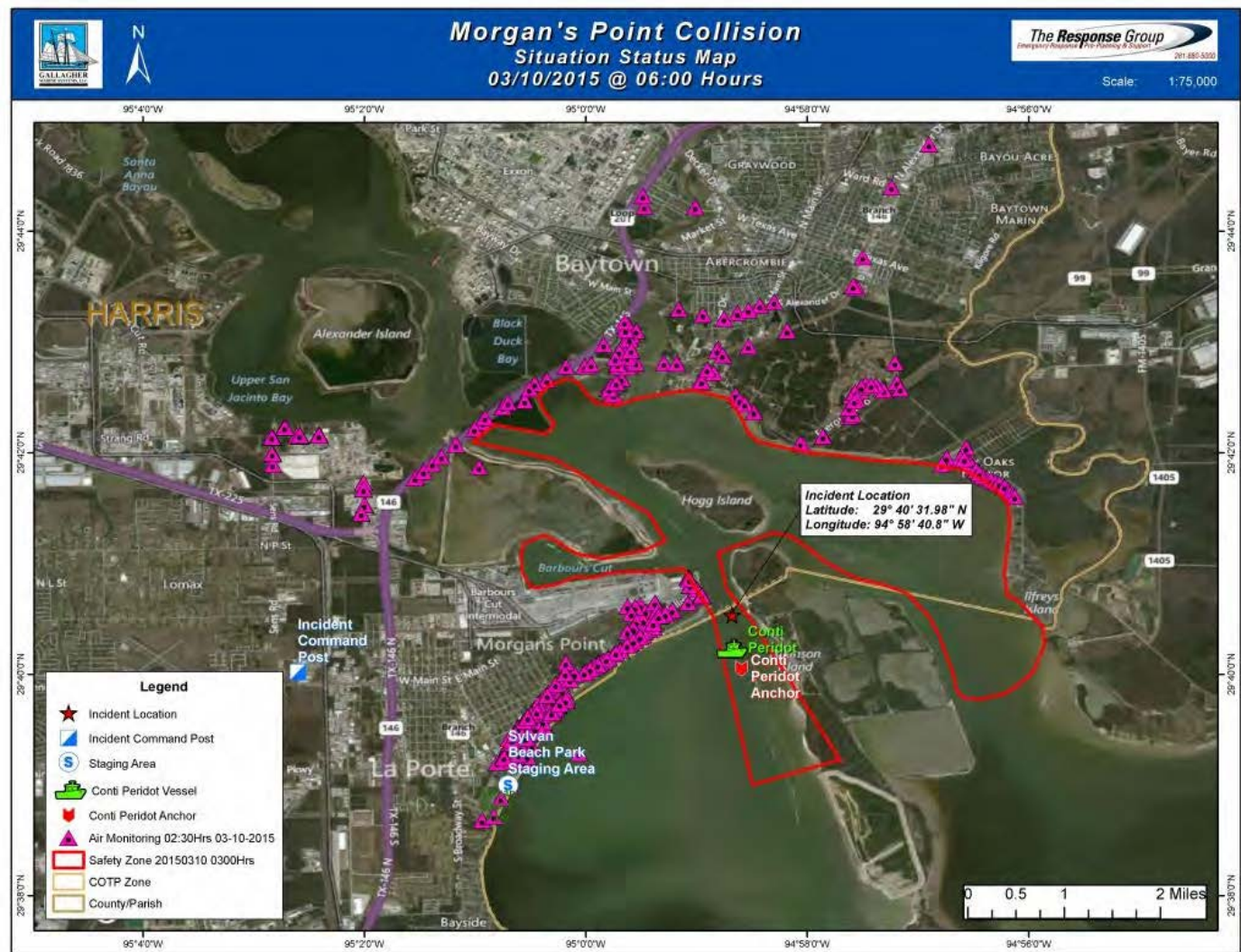
Incident Name: Morgan's Point Collision

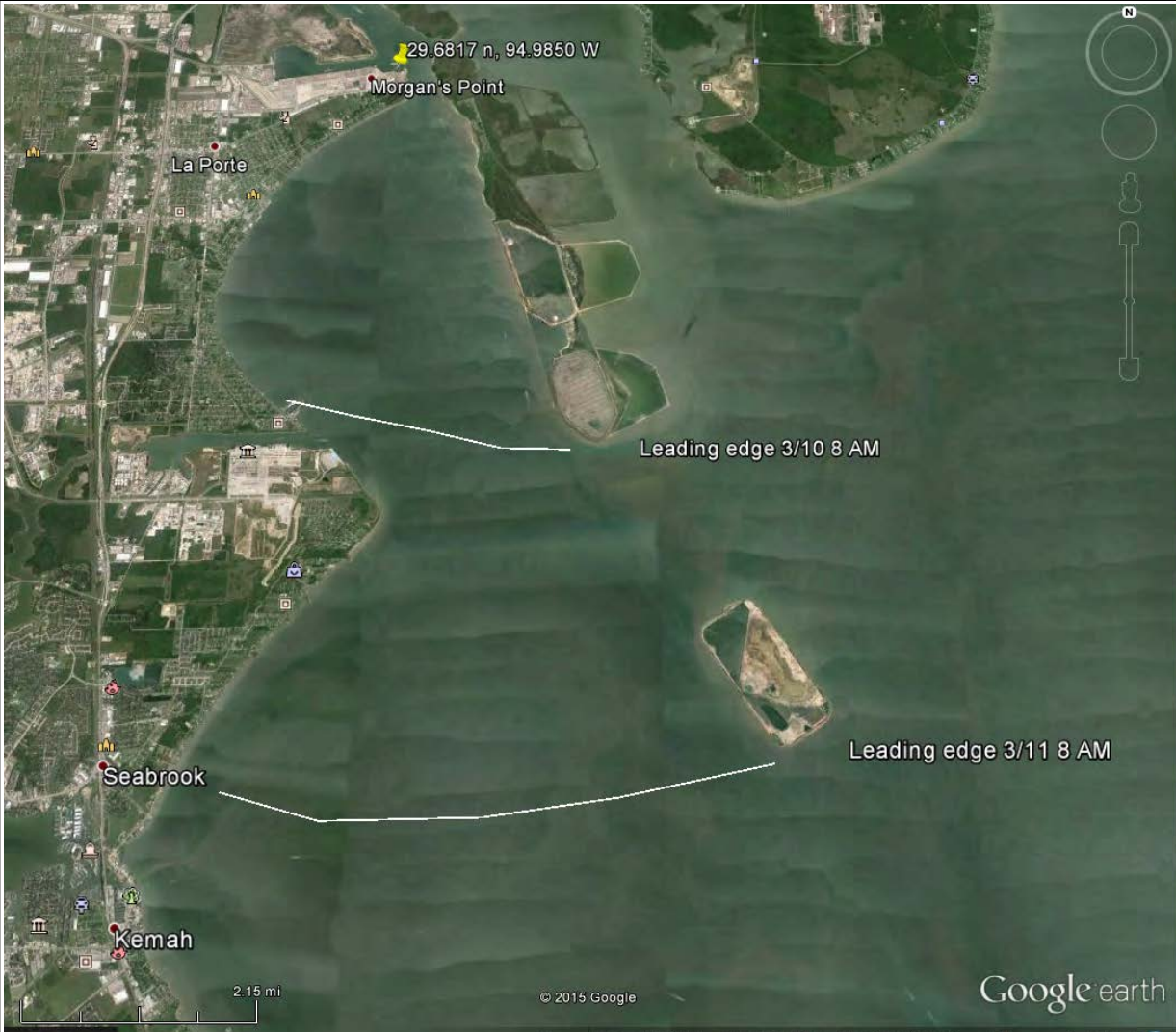
Period: Period 2 [03/10/15 07:00 - 03/11/15 07:00]
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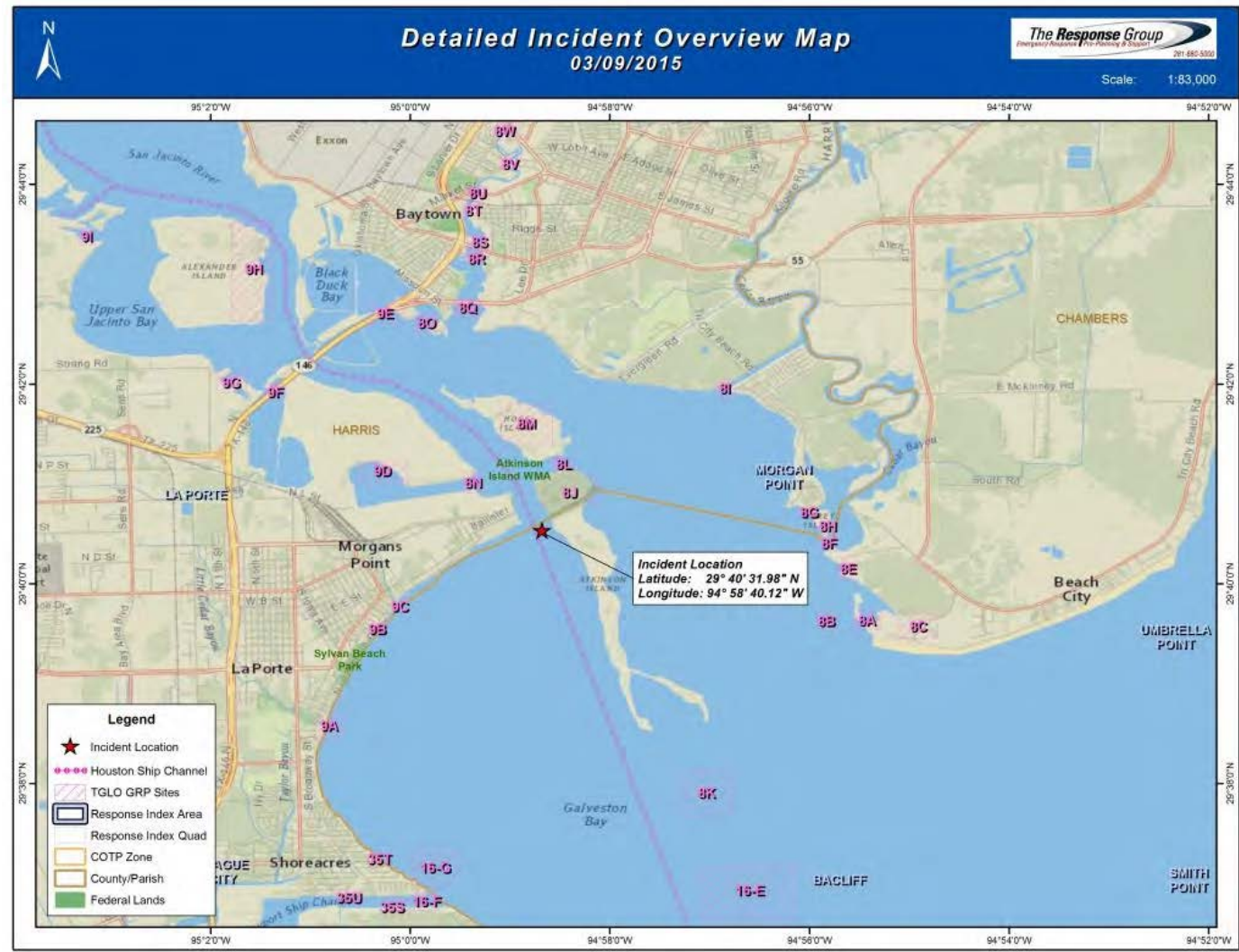
Weather Report			Version Name: 20150310 0400hrs Weather Report		
Incident Name: Morgan's Point Collision			Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]		
Present Conditions					
Weather Conditions as of 03/10/2015 04:00					
Wind Speed: 6.00 mph Wind Direction (from): W Temperature: 57.00 F Visibility: 8.00 mi Current Speed: 0.3 kts Current Direction: E Water Temperature: 55			Pressure: 29.94 IN Dew Point: 55.00 Feels Like: 57.00 UV Index: Wave Height: Wave Direction: Swell Height: Swell Interval:		
Cloudy					
Forecast Date	Wind	Temp Hi/Lo	% Precip	Sunrise/Sunset	Notes
Tue 03/10/2015	7.00 MPH NW	63.00 F/ F	80.00		Cloudy with Chance of Light Showers
	7.00 MPH N	F/54.00 F	30.00		Mostly Cloudy
Wed 03/11/2015	9.00 MPH N	64.00 F/ F	18.00		Mostly Cloudy with Isolated Showers
	8.00 MPH NNE	F/54.00 F	23.00		Mostly Cloudy with Isolated Showers
Thu 03/12/2015	7.00 MPH NNW	68.00 F/ F	23.00		Mostly Cloudy
	5.00 MPH WNW	F/54.00 F	11.00		Partly Cloudy
Fri 03/13/2015	4.00 MPH N	70.00 F/ F	9.00		Partly Cloudy
	3.00 MPH SE	F/55.00 F	10.00		Partly Cloudy
Tides					
Low Tide		Tuesday 03/10/2015 06:05		0.00 FT	
High Tide		Tuesday 03/10/2015 14:23		0.90 FT	
Low Tide		Tuesday 03/10/2015 18:48		0.80 FT	
High Tide		Tuesday 03/10/2015 22:09		0.80 FT	
Low Tide		Wednesday 03/11/2015 06:48		-0.10 FT	
High Tide		Wednesday 03/11/2015 16:13		1.00 FT	
Low Tide		Thursday 03/12/2015 07:41		-0.10 FT	
High Tide		Thursday 03/12/2015 18:03		1.10 FT	
Weather Report			Last Update By Gallagher Marine At 03/10/2015 04:23 GMT -6:00		
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Map/Sketch		Version Name: 36 Hour Trajectory	
Incident Name: Morgan's Point Collision		Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]	
Incident Map/Sketch			
36 Hour Trajectory based on 42,000 BBL Release			
			
Map/Sketch		Last Update By Gallagher Marine At 03/10/2015 05:53 GMT -6:00	
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Incident Map/Sketch

20150309 Detailed Incident Overview Map



ICS 202 - Incident Objectives		Version Name: 03/09/2015 19:00	
Incident Name: Morgan's Point Collision		Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]	
Overall and Strategic Objectives			
Overall Objective		Assigned To	Status
Safety of the public, responders, and the crew			
Continuous air monitoring and map air quality readings			
Stop air plume from ship			
Determine if MTBE is on the surface, find and map			
Protect natural resources from surface contamination			
Keep public informed on protective measures			
Initiate assessment for salvage on Maersk vessel (damage and cleaning) prior to moving			
Perform assessment and move Maersk vessel to lay berth			
Perform assessment and move Conti Peridot vessel to lay berth			
Recover and Rehabilitate Injured Wildlife			
Locate anchor and mark location/remove			
Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)			
ICS 202 - Incident Objectives		Last Update By Gallagher Marine At 03/10/2015 00:29 GMT -6:00	
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ICS 202A - Command Direction		Version Name: 03/09/2015 19:00	
Incident Name: Morgan's Point Collision		Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]	
Priorities			
People (Life Safety)			
Incident Stabilization			
Environment (Protection)			
Assets			
Reputation			
Limitations and Constraints			
<ul style="list-style-type: none"> • Weather Conditions (Rain & Cloudy) • Night Operations (Limited) • Location of the Incident • Spilled Material Characteristics (monitoring/PPE requirements) • Public Health • Community/Media Perception 			
Key Decisions and Procedures			
Key Decisions <ul style="list-style-type: none"> • Make up of UC – Federal (USCG), State(TCEQ), Local (Harris County & Port of Houston, & RP (Mearsk) • Name of Incident = Morgan's Point Collision • Overall Response Organization - Staffing • <ul style="list-style-type: none"> ◦ OSC & Deputy OSC = GMS ◦ PSC & Deputy PSC = GMS ◦ LSC = GMS ◦ FSC = GMS ◦ Safety Officer = GMS ◦ Public Information Officer = USCG/GMS ◦ Liaison Officer = GMS ◦ Environmental Unit Leader = GMS/State/USFW <p>Note: Section chiefs have full authority on filling positions however make sure that agencies are integrated into the organization.</p> <ul style="list-style-type: none"> • Command Post – City of LaPorte EOC • Joint Information Center – TBD • Operational Period & work hours - 3/10/15 0700hrs. to 3/11/15 0700hrs • All external releases of information should be approved by UC. • Any issues around waterway management will be coordinated by USCG. 			
ICS 202A - Command Direction		Last Update By Gallagher Marine At 03/09/2015 22:40 GMT -6:00	
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ICS 204 - Assignment List			Area Of Operation: Wildlife Group	
Incident Name: Morgan's Point Collision			Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Wildlife Group	Manpower: Supervisor	Group Supervisor	1	
Wildlife Group	Wildlife Specialist	Wildlife Specialists	3	
Wildlife Group	Wildlife Trailer	Wildlife Trailer	1	
Wildlife Group	Small Boat	Small Boat	1	14 - 29 feet
Wildlife Group	Boat Operator	Boat Operator	1	
Assignments				
Activate Wildlife Response Services to recover and rehab impacted wildlife				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE.				
ICS 204 - Assignment List			Last Update By Gallagher Marine At 03/10/2015 02:46 GMT -6:00	
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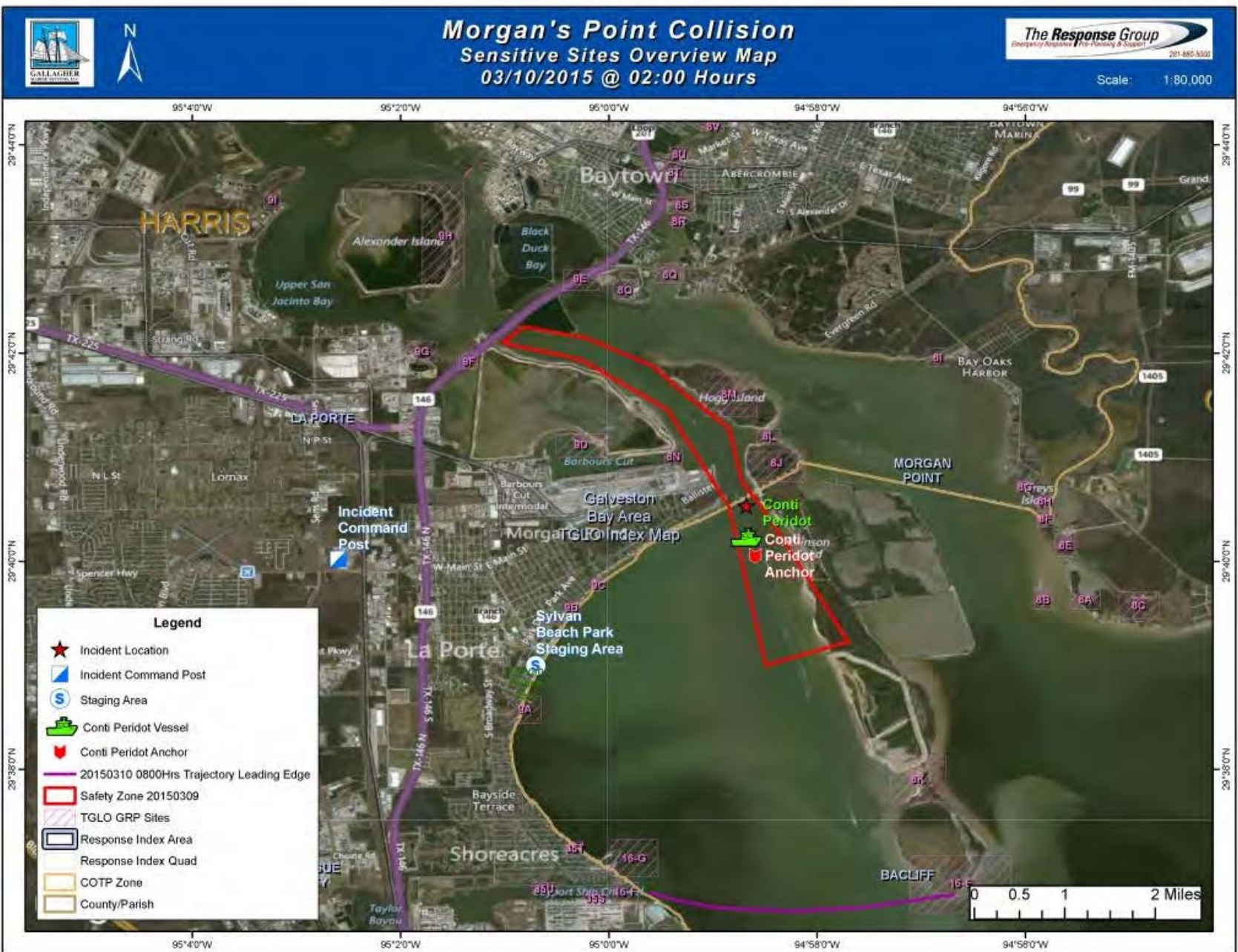
ICS 204 - Assignment List

Area Of Operation: Wildlife Group

Incident Name: Morgan's Point Collision

Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]

Sensitive Sites Overview



ICS 204 - Assignment List

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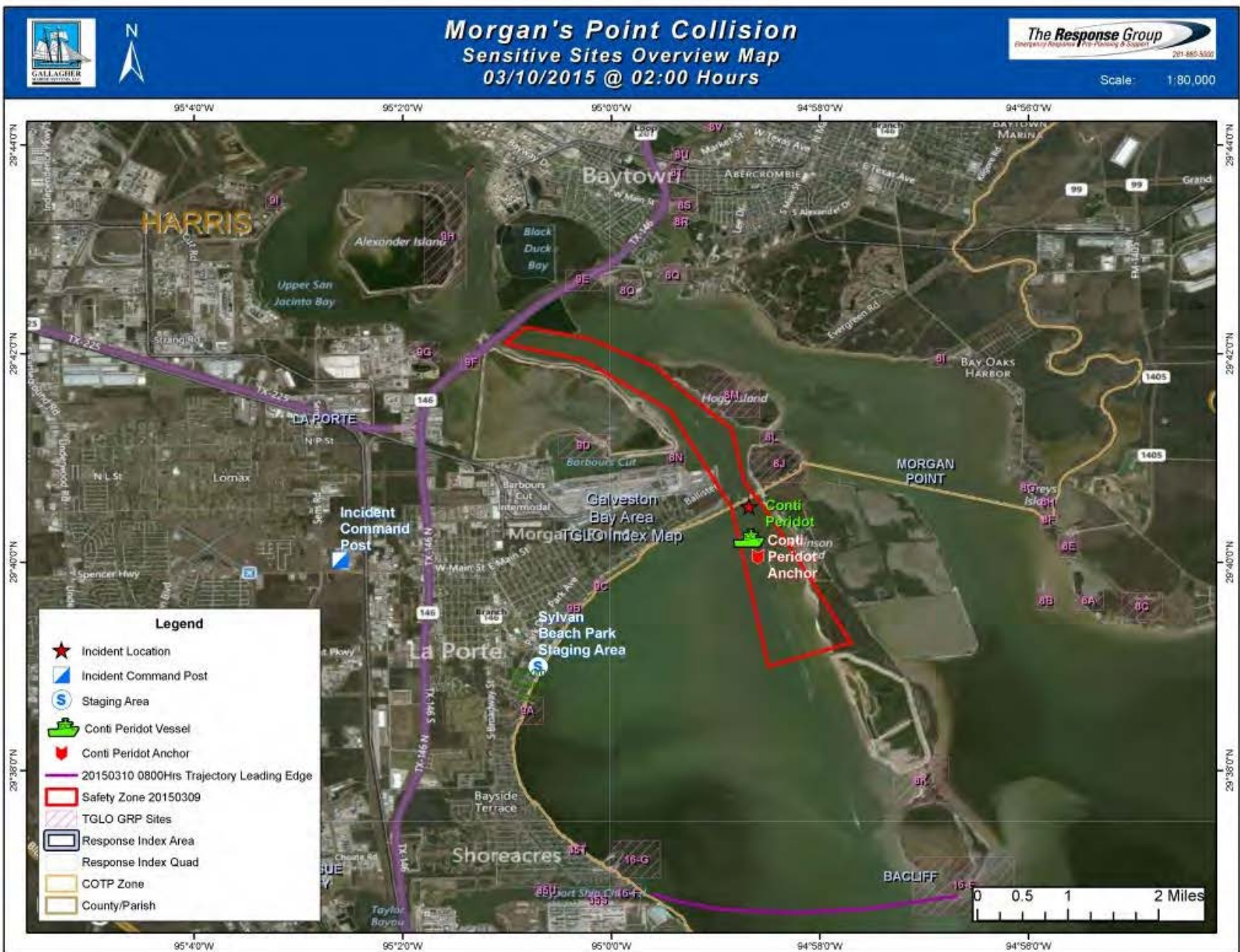
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ICS 204 - Assignment List			Area Of Operation: Water Sampling Group		
Incident Name: Morgan's Point Collision			Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]		
Operations Personnel					
Position	Name	Affiliation	Contact Number(s)	Work Shift	
Operations Section Chief		USCG		Day Shift	
Operations Section Deputy		Gallagher Marine		Day Shift	
Water Sampling Group Supervisor		CTEH			
Resources Required					
Area Of Operation	Resource Type	Description	Quantity	Size	
Water Sampling Group	Manpower: Responder	Sampling Specialist	2		
Water Sampling Group	Small Boat	Small Boat	1		
Assignments					
Deploy 1 team of 2 Sampling Specialist to conduct water sampling at the identified location within the Sampling Analysis Plan.					
Special Environmental Considerations					
Call 281-470-0000 to report any impacted wildlife observed in the field.					
Special Site-Specific Safety Considerations					
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE.					
ICS 204 - Assignment List			Last Update By Gallagher Marine At 03/10/2015 00:19 GMT -6:00		
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Area Of Operation: Water Sampling Group

Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]



ICS 204 - Assignment List			Area Of Operation: Air Monitoring Group	
Incident Name: Morgan's Point Collision			Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Air Monitoring Group Supervisor		CTEH		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Air Monitoring Group	Safety Personnel	Toxicologist	1	
Air Monitoring Group	Supervisor	Project Manager	2	
Air Monitoring Group	Manpower: Responder	Data Specialist	1	
Air Monitoring Group	Safety Personnel	Toxicologist	1	
Air Monitoring Group	Safety Personnel	Toxicologist	1	
Air Monitoring Group	Vehicle	Vehicles	10	
Air Monitoring Group	Equipment: Safety	MultiRAE	10	
Air Monitoring Group	Equipment: Safety	MultiRAE	10	
Assignments				
Provide community and worker air monitoring assessment in the area of the release, impacted areas, predicted trajectory of spilled material and areas that have reported odor complaints. Will conduct realtime streaming data and summary reports for Unified Command.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE.				
ICS 204 - Assignment List			Last Update By Gallagher Marine At 03/10/2015 00:11 GMT -6:00	
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ICS 204 - Assignment List

Area Of Operation: Air Monitoring Group

Incident Name: Morgan's Point Collision

Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]

Air Monitoring Overview



ICS 204 - Assignment List

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ICS 204 - Assignment List			Area Of Operation: Natural Resources Group		
Incident Name: Morgan's Point Collision			Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]		
Operations Personnel					
Position	Name	Affiliation	Contact Number(s)	Work Shift	
Operations Section Chief		USCG		Day Shift	
Operations Section Deputy		Gallagher Marine		Day Shift	
Natural Resources Group Supervisor		Horizon Environmental			
Resources Required					
Area Of Operation	Resource Type	Description	Quantity	Size	
Natural Resources Group	Boom	Harbor Boom	3000	18 - 24 in	
Natural Resources Group	Small Boat	Small Boat	8	12 - 29 feet	
Natural Resources Group	Boat Operator	Boat Operator	8		
Natural Resources Group	Spill Tech	Spill Tech	16		
Natural Resources Group	Manpower: Supervisor	Manpower: Supervisor	1		
Assignments					
If warranted by aerial overflight, deploy deflection boom at pre-identified sites as required.					
Special Environmental Considerations					
Call 281-470-0000 to report any impacted wildlife observed in the field.					
Special Site-Specific Safety Considerations					
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE.					
ICS 204 - Assignment List			Last Update By Gallagher Marine At 03/10/2015 02:00 GMT -6:00		
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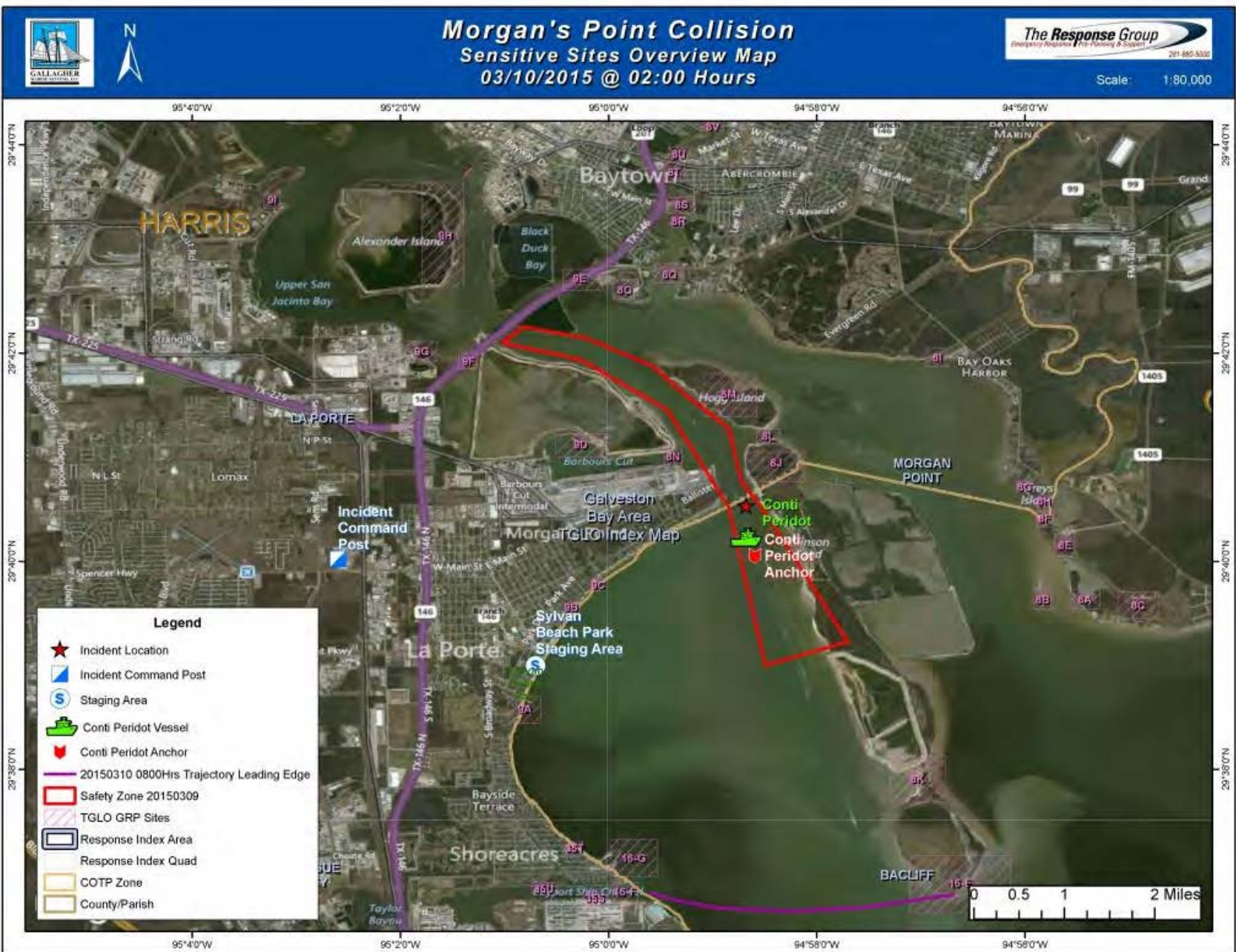
ICS 204 - Assignment List

Area Of Operation: Natural Resources Group

Incident Name: Morgan's Point Collision

Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]

Sensitive Sites Overview



ICS 204 - Assignment List

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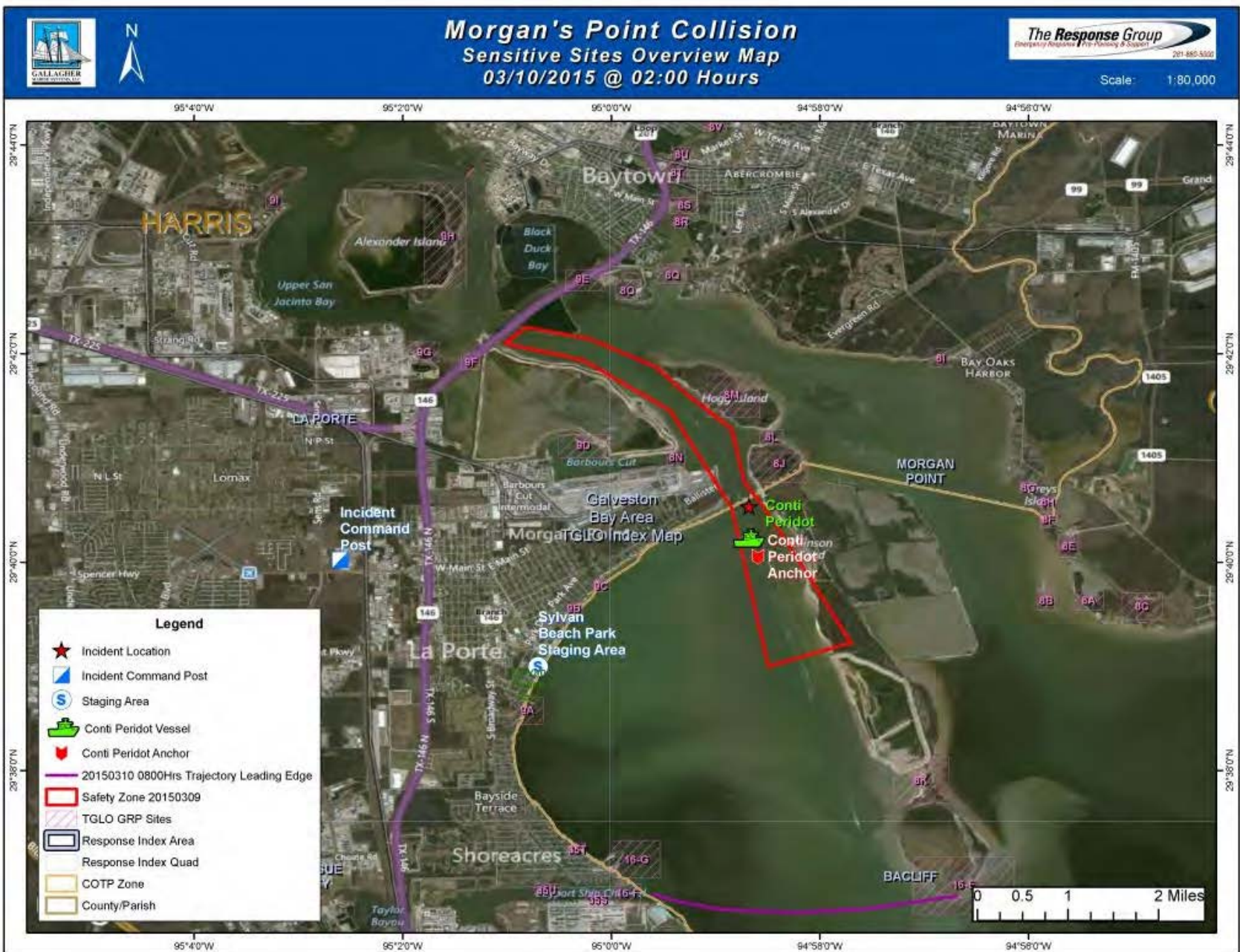
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ICS 204 - Assignment List			Area Of Operation: Salvage Group - Carla Maersk	
Incident Name: Morgan's Point Collision			Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Salvage Group Supervisor		Titan Salvage		
Assignments				
Board the Carla Maersk and assess damage port COT 3 & 4. Repair plan is pending salvage assessment. Board the Carla Maersk and assess damage port COT 3 & 4.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE.				
ICS 204 - Assignment List			Last Update By Roy Barrett At 03/10/2015 04:32 GMT -6:00	
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Area Of Operation: Salvage Group - Carla Maersk

Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]



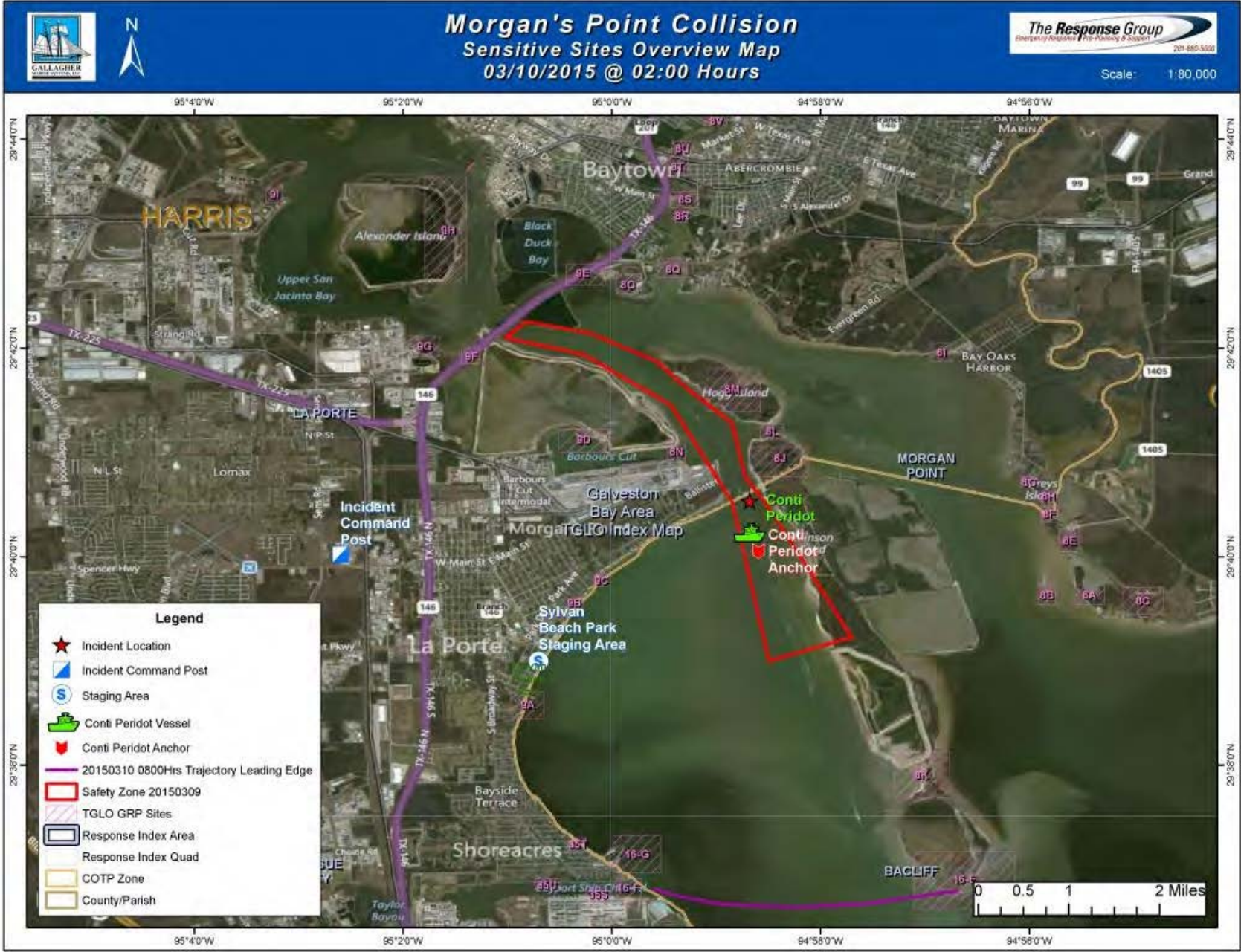
ICS 204 - Assignment List

Area Of Operation: Water Assessment Group

Incident Name: Morgan's Point Collision

Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]

Sensitive Sites Overview

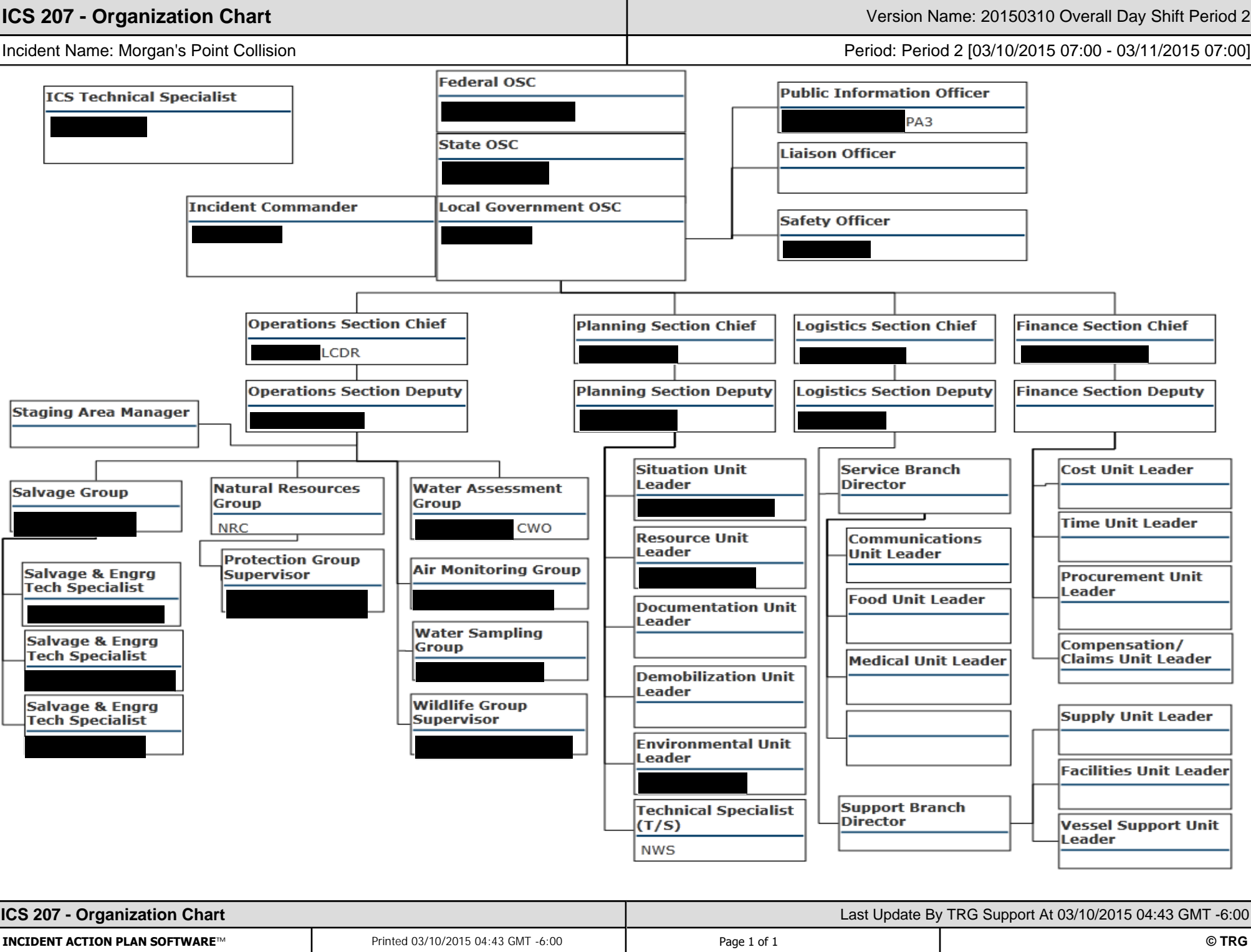


ICS 204 - Assignment List			Area Of Operation: Salvage Group - Cordi Peridot	
Incident Name: Morgan's Point Collision			Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Salvage Group - Cordi Peridot Supervisor		Titan Salvage		
Assignments				
Board the Conti Peridot and assess damage to collision bulkhead. Looking to move vessel to City Dock 2122.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE.				
ICS 204 - Assignment List			Last Update By Roy Barrett At 03/10/2015 04:33 GMT -6:00	
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ICS 205 - Radio Communications					Version Name: 03/10/2015 V1				
Incident Name: Morgan's Point Collision					Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]				
Radio Channel Information									
Ch #	Function	Channel Name/ Trunked Radio System Talkgroup	Assignment	Rx Freq N or W	Rx Tone/NAC	Tx Freq N or W	Tx Tone/NAC	Mode (A, D, or M)	Remarks
83		USCG	Command Post Water Assessment Group Air Monitoring Group Salvage Group - Carla Maersk Natural Resources Group Wildlife Group Water Sampling Group						
Special Radio Instructions									
ICS 205 - Radio Communications					Last Update By Gallagher Marine At 03/10/2015 02:22 GMT -6:00				
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ICS 205a - Communications List				Version Name: 03/10/2015 V1	
Incident Name: Morgan's Point Collision				Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]	
Local Communications Information					
Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
	Federal OSC				
	State OSC				
	Local Government OSC				
	Incident Commander				
	Public Information Officer				
PA3	Public Information Officer				
	Safety Officer				
	Salvage Group				
, LCDR	Operations Section Chief				
	Operations Section Deputy				
	Air Monitoring Group				
CWO	Water Assessment Group				
	Salvage & Engrg Tech Specialist				
	Salvage & Engrg Tech Specialist				
	Salvage & Engrg Tech Specialist		NULL	@responsegroupinc.com	
	Protection Group Supervisor				
	Wildlife Group Supervisor				
	Planning Section Chief				
	Planning Section Deputy			@responsegroupinc.com	
	Resource Unit Leader				
	Situation Unit Leader				
	Environmental Unit Leader				
	Logistics Section Chief				
	Logistics Section Deputy				
	Finance Section Chief				
ICS 205a - Communications List				Last Update By Gallagher Marine At 03/10/2015 02:19 GMT -6:00	
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ICS 206 - Medical Plan				Version Name: 03/09/2015 19:09:14			
Incident Name: Morgan's Point Collision				Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]			
Medical Aid Stations							
<i>Name</i>		<i>Location Name</i>		<i>Paramedic On Site</i>	<i>Phone</i>		<i>Radio</i>
Transportation (Ground and/or Air Ambulance Services)							
<i>Ambulance Service</i>		<i>Location</i>		<i>Phone</i>		<i>Radio</i>	<i>Air</i>
La Porte City Ambulance Service		La Porte		Ph1: (281) 471-9244			<input type="checkbox"/>
Skymed		La Porte		Ph1: (281) 842-1415			<input type="checkbox"/>
Bay Star Ambulance Service		Baytown		Ph1: (281) 422-7200			<input type="checkbox"/>
Enterprise Ambulance - Baytown		Baytown		Ph1: (281) 837-6262			<input type="checkbox"/>
Hospitals							
<i>Hospital</i>	<i>Location</i>	<i>Phone</i>	<i>Radio</i>	<i>Air Travel Time</i>	<i>Ground Travel Time</i>	<i>Trauma Center</i>	<i>Helipad</i>
Bayshore Medical Center	4000 Spencer Hwy Pasadena, TX 77504 -95.1834 29.6652	Ph1: 713-359-1000		min	min	II	<input type="checkbox"/>
Memorial Hermann Texas Medical Center	6411 Fannin Houston, TX 77030 -95.3968 29.7148	Ph1: 713-704-3700		min	min	II	<input type="checkbox"/>
University Of Texas Medical Branch Gal	301 University Boulevard Galveston, TX 77555 -94.7755 29.3111	Ph1: 409-772-1011		min	min	II	<input type="checkbox"/>
San Jacinto Methodist Hospital	4401 Garth Road Baytown, TX 77521 -94.9776 29.7692	Ph1: 281-420-8600		min	min	II	<input type="checkbox"/>
Christus St John Hospital	18300 St John Drive Nassau Bay, TX 77058 -95.0851 29.5495	Ph1: 281-333-5503		min	min	II	<input type="checkbox"/>
St Luke's Patients Medical Center	4600 East Sam Houston Parkway South Pasadena, TX 77505 -95.1602 29.6408	Ph1: 281-487-0700		min	min	II	<input type="checkbox"/>
Clear Lake Regional Medical Center	500 Medical Center Blvd Webster, TX 77598 -95.1276 29.5401	Ph1: 281-332-2511		min	min	II	<input type="checkbox"/>
Special Medical Emergency Procedures							
ICS 206 - Medical Plan				Last Update By Gallagher Marine At 03/10/2015 05:51 GMT -6:00			
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ICS 208 - Site Safety Plan					Version Name: Site Safety Plan				
Incident Name: Morgan's Point Collision					Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]				
Applies to Site: All									
Site Characterization									
Water			Land			Weather			
Wave Height			Land Use			Air Temp		59.00 F	
Speed 0.3 kts						Wind Speed		8.00 mph	
Direction E						Direction		W	
Site Hazards									
Yes	No	Hazards	Yes	No	Hazards	Yes	No	Hazards	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Pump Hose	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Slips, Trips, and Falls	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cold Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Steam and Hot Water	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Trenching/Excavation	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	UV Radiation	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Visibility	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Weather	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plants/Wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Work Near Water	
Air Monitoring Limits									
Oxygen Level		19.5% - 23.5%	Hydrogen Sulfide		N/A	Total Hydrocarbons		N/A	
LEL		1%	Benzene		N/A	MTBE		50ppm	
Engineering Controls									
<input checked="" type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out		
<input checked="" type="checkbox"/>	Site secured		<input type="checkbox"/>	Facility shut down					
Personal Protective Equipment Required									
<input checked="" type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection		
<input type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Hard hats		<input checked="" type="checkbox"/>	Personal flotation		
<input type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots		
Additional Control Measures Established									
<input type="checkbox"/>	Decontamination		<input checked="" type="checkbox"/>	Illumination		<input type="checkbox"/>	Additional stations established		
<input type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Medical surveillance		<input type="checkbox"/>	Facilities provided		
Work Plan									
<input checked="" type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work		
<input type="checkbox"/>	Skimming		<input type="checkbox"/>	Heavy equipment		<input checked="" type="checkbox"/>	Appropriate permits used		
<input type="checkbox"/>	Vac trucks		<input type="checkbox"/>	Sorbent pads					
<input checked="" type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching					
Training									
<input checked="" type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements				Training Requirements	OSHA HAZWOPER			
Organization									
Position	Name	Telephone/Radio	Position	Name	Telephone/Radio				
Incident Commander			Safety Officer						
ICS 208 - Site Safety Plan					Last Update By TRG Support At 03/10/2015 01:56 GMT -6:00				
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/10/2015 04:35 GMT -6:00			Page 26 of 28		© TRG		

ICS 208 - Site Safety Plan				Version Name: Site Safety Plan					
Incident Name: Morgan's Point Collision				Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]					
Deputy Incident Commander				Operations Section Chief		[REDACTED], LCDR			
Emergency Plan									
<input type="checkbox"/>	Fire Prevention Plan		<input type="checkbox"/>	Evacuation Plan					
<input type="checkbox"/>	Alarm System		<input type="checkbox"/>	First Aid Location					
Notifications									
<i>Facility</i>			<i>Phone</i>		<i>Facility</i>			<i>Phone</i>	
<input checked="" type="checkbox"/>	Hospital	San Jacinto Methodist Hospital	(281) 420-8600		<input checked="" type="checkbox"/>	Fire	LaPorte Fire Department	(281) 471-3607	
<input checked="" type="checkbox"/>	Ambulance	LaPorte EMS	911		<input checked="" type="checkbox"/>	Law Enforcement	LaPorte Police Department	(281) 471-2141	
<input checked="" type="checkbox"/>	Air Ambulance	Memorial Hermann Life Flight	(713) 704-4000		<input type="checkbox"/>	Emergency Response/Rescue			
Initial Briefing									
<input checked="" type="checkbox"/>	Initial safety briefing prepared for each site								
Attachments/Appendices									
Attachment					Filename				
MSDS - MTBE.pdf					MSDS - MTBE.pdf				
107085-Morgan's Point TX HASP 03 10 15_0306.docx					107085-Morgan's Point TX HASP 03 10 15_0306.docx				
ICS 208 - Site Safety Plan					Last Update By TRG Support At 03/10/2015 01:56 GMT -6:00				
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/10/2015 04:35 GMT -6:00			Page 27 of 28			© TRG	

ICS 220 - Air Operations Summary				Version Name: ICS 220			
Incident Name: Morgan's Point Collision				Period: Period 2 [03/10/2015 07:00 - 03/11/2015 07:00]			
Sunrise		Sunset		Ready Alert Aircraft			
03/10/2015 07:37		03/10/2015 19:26		Medivac			
Remarks (safety notes, hazards, air operations special equipment, etc)				New Incident			
				Temporary Flight Restriction Number			
Personnel				Altitude 500			
Position	Name	Phone	Center Point				
Water Assessment Group Supervisor			Frequencies				
			Frequency / Function		AM	FM	
			83a				
Fixed-Wing Aircraft							
FAA N#	Category	Make/Model	Base	Available	Start	Remarks	
Helicopters							
FAA N#	Category	Make/Model	Base	Available	Start	Remarks	
	CG Helo	Dolphin	Dolphin	03/10/2015 06:00	03/10/2015 07:30		
Task / Mission / Assignment							
Function	Name of Personnel or Cargo or Instructions for Tactical Aircraft			Mission Start	Fly To		Fly From
					Incident Site		Air Station Houston
ICS 220 - Air Operations Summary				Last Update By Gallagher Marine At 03/10/2015 02:11 GMT -6:00			
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/10/2015 04:35 GMT -6:00		Page 28 of 28		© TRG	

Approved By

Federal OSC: _____	Date: _____
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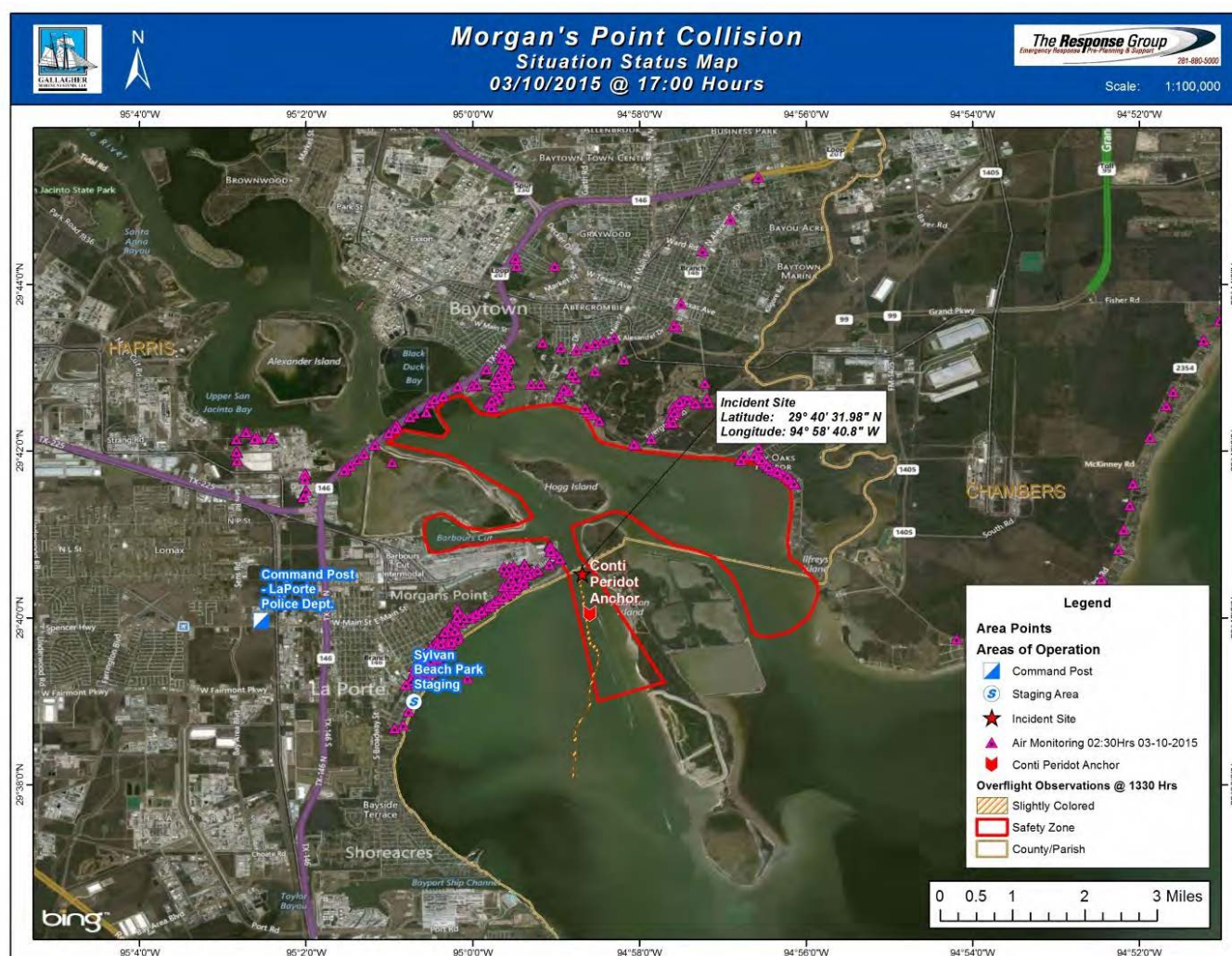
State OSC: _____	Date: _____
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Local Government OSC: _____	Date: _____
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Incident Commander: _____	Date: _____
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Incident Action Plan

03-10-2015 @ 17:00 Hrs Situation Status Map



Prepared By: Gallagher Marine

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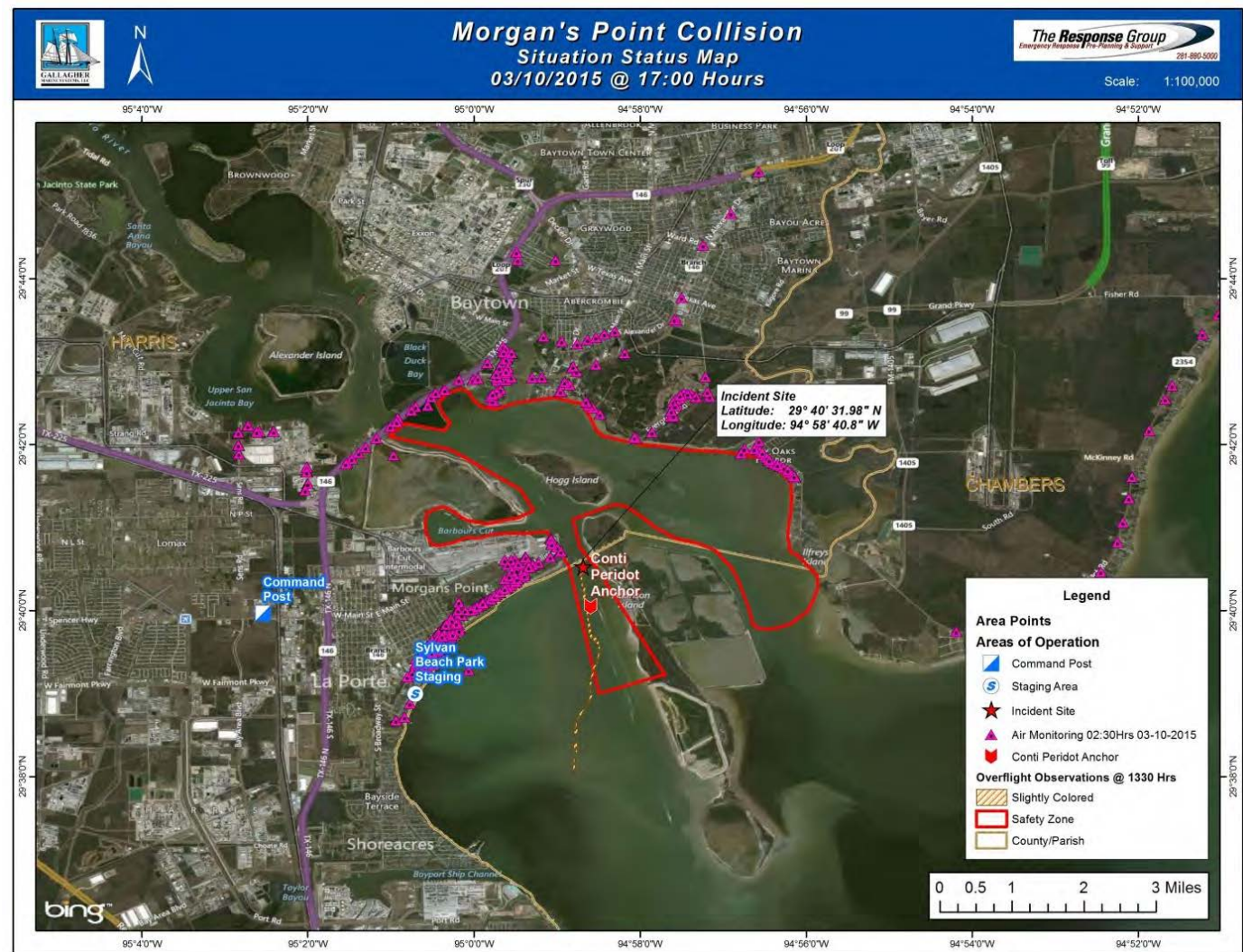
Incident Name: Morgan's Point Collision

Period: Period 3 [03/11/15 07:00 - 03/12/15 07:00]
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<i>Report Name</i>	<i>Page</i>
IAP Cover Sheet	1
Weather Report	3
Map/Sketch	4
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Weather Report				Version Name: 20150311 0330 Weather Report	
Incident Name: Morgan's Point Collision				Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Present Conditions					
Weather Conditions as of 03/11/2015 02:50					
Wind Speed: 9.00 mph Wind Direction (from): NNW Temperature: 55.00 F Visibility: 10.00 mi Current Speed: Current Direction: Water Temperature:			Pressure: 30.12 IN Dew Point: 54.00 Feels Like: 55.00 UV Index: Wave Height: Wave Direction: Swell Height: Swell Interval:		
Cloudy					
Forecast Date	Wind	Temp Hi/Lo	% Precip	Sunrise/Sunset	Notes
Wed 03/11/2015	9.00 MPH N	64.00 F/ F	20.00		Mostly Cloudy with Isolated Showers
	10.00 MPH N	F/55.00 F	40.00		Cloudy with Chance of Light Showers
Thu 03/12/2015	12.00 MPH N	68.00 F/ F	40.00		Mostly Cloudy with Isolated Showers
	7.00 MPH NW	F/54.00 F	20.00		Partly Cloudy
Fri 03/13/2015	6.00 MPH NW	70.00 F/ F	10.00		Partly Cloudy
	5.00 MPH WNW	F/54.00 F	10.00		Partly Cloudy
Sat 03/14/2015	7.00 MPH NNW	72.00 F/ F	8.00		Partly Cloudy
	5.00 MPH N	F/55.00 F	10.00		Partly Cloudy
Tides					
Low Tide		Wednesday 03/11/2015 06:48			-0.10 FT
High Tide		Wednesday 03/11/2015 16:13			1.00 FT
Low Tide		Thursday 03/12/2015 07:41			-0.10 FT
High Tide		Thursday 03/12/2015 18:03			1.10 FT
Low Tide		Friday 03/13/2015 08:43			-0.20 FT
High Tide		Friday 03/13/2015 19:15			1.20 FT
Low Tide		Saturday 03/14/2015 09:52			-0.20 FT
High Tide		Saturday 03/14/2015 20:05			1.20 FT
Weather Report				Last Update By TRG Support At 03/11/2015 03:15 GMT -6:00	
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ICS 202 - Incident Objectives		Version Name: Period 3 Objectives	
Incident Name: Morgan's Point Collision		Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Overall and Strategic Objectives			
Overall Objective	Assigned To	Status	
Safety of the public, responders, and the crew			
Continuous air monitoring and map air quality readings			
Stop air plume from ship			
Monitor whether MTBE is on the surface, find and map			
Protect natural resources from surface contamination			
Keep public informed on protective measures			
Continue salvage on Maersk vessel (damage and cleaning) prior to moving			
Perform assessment and move Maersk vessel to lay berth			
Recover and Rehabilitate Injured Wildlife			
Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)			
<p>Safe work practices will be adhered to at all times. Responders will wear appropriate PPE while in the field. All responders will check in at the ICP or with field supervisors and maintain a unit log (ICS 214). Direct any media inquiries to the JIC at 281-946-9437. Field supervisors will ensure that a safety briefing is conducted prior to work assignment.</p>			
ICS 202 - Incident Objectives		Last Update By TRG Support At 03/10/2015 19:31 GMT -6:00	
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ICS 202a - Command Direction		Version Name: 20150310 12:00	
Incident Name: Morgan's Point Collision		Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Priorities			
People (Life Safety)			
Incident Stabilization			
Environment (Protection)			
Assets			
Reputation			
Limitations and Constraints			
<ul style="list-style-type: none"> Weather Conditions (Rain & Cloudy) Night Operations (Limited) Location of the Incident Spilled Material Characteristics (monitoring/PPE requirements) Public Health Community/Media Perception Fatigue management Daylight transit for the Carla Maersk 			
Key Decisions and Procedures			
Key Decisions <ul style="list-style-type: none"> Make up of UC – Federal (USCG), State (TCEQ), Local (City of LaPorte, Port of Houston) & RP (Mearsk) Name of Incident = Morgan's Point Collision Overall Response Organization - Staffing <ul style="list-style-type: none"> OSC & Deputy OSC = GMS PSC & Deputy PSC = GMS LSC = GMS FSC = GMS Safety Officer = GMS Public Information Officer = USCG/GMS Liaison Officer = GMS Environmental Unit Leader = GMS/State/USFW <p>Note: Section chiefs have full authority on filling positions however make sure that agencies are integrated into the organization.</p> <ul style="list-style-type: none"> Command Post – City of LaPorte EOC Joint Information Center – City of LaPorte EOC Operational Period & work hours - 3/11/15 0700hrs. to 3/12/15 0700hrs All external releases of information should be approved by UC. Any issues around waterway management will be coordinated by USCG. Use documentation guideline procedure Prioritize use of RP contractor aircraft 			
Approved By			
Incident Commander: _____		Date: _____	
ICS 202a - Command Direction		Last Update By TRG Support At 03/10/2015 12:31 GMT -6:00	
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ICS 202b - Critical Information Requirements		Version Name: 20150310 12:00	
Incident Name: Morgan's Point Collision		Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
<div>Unified Command Critical Threshold Reporting Criteria</div> <div>Injury or Death</div> <div>- OSHA/Greater than 1st Aid through Safety Officer</div> <div>Significant change of status of the leaking tank</div> <div>Shoreline Impact</div> <div>Unplanned VIP visits en-route/planning/arriving</div> <div>Adverse protest plans or interview requests</div> <div>Confirmed wildlife impacts</div> <div>Loss or breach of containment</div> <div>Change in status of vessel</div> <div>Air monitoring results onshore more than 50ppm or above LEL afloat</div> <div>Upon Commencing of Salvage Operations</div> <div>Upon securing Inert Gas</div> <div>Upon commencing foam application</div>			
ICS 202b - Critical Information Requirements		Last Update By TRG Support At 03/10/2015 12:14 GMT -6:00	
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ICS 204 - Assignment List			Area Of Operation: Wildlife Group	
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Wildlife Group	Manpower: Supervisor	Group Supervisor	1	
Wildlife Group	Wildlife Specialist	Wildlife Specialists	3	
Wildlife Group	Wildlife Trailer	Wildlife Trailer	1	
Wildlife Group	Small Boat	Small Boat	1	14 - 29 feet
Wildlife Group	Boat Operator	Boat Operator	1	
Assignments				
Activate Wildlife Response Services to recover and rehab impacted wildlife				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE.				
ICS 204 - Assignment List			Last Update By TRG Support At 03/10/2015 19:54 GMT -6:00	
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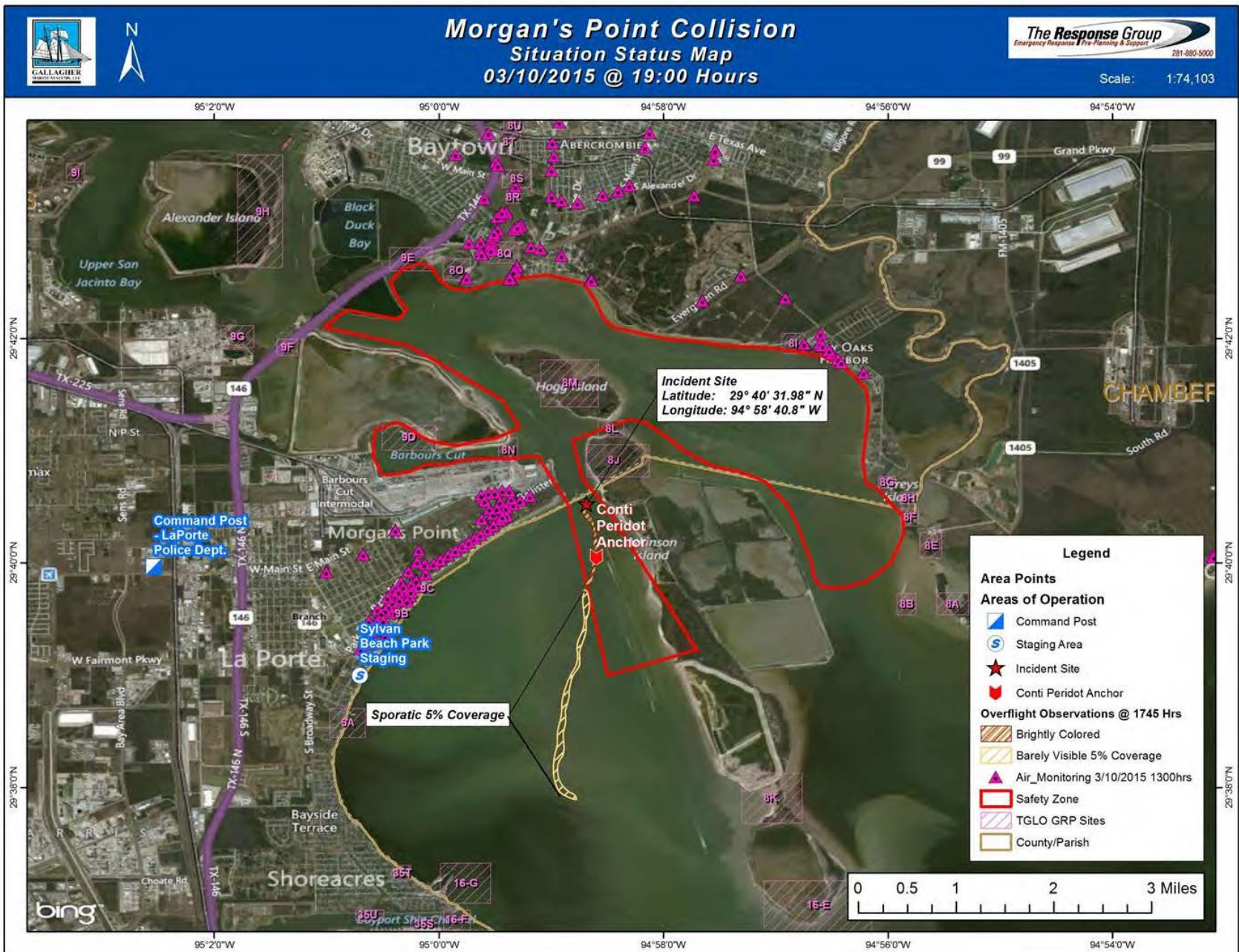
ICS 204 - Assignment List

Incident Name: Morgan's Point Collision

Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]

Area Of Operation: Wildlife Group

Sensitive Sites Overview



ICS 204 - Assignment List

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Last Update By TRG Support At 03/10/2015 19:54 GMT -6:00

ICS 204 - Assignment List			Area Of Operation: Wildlife Recon Task Force	
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		
WL Recon & Recovery TF Supervisor		Texas Parks and Wildlife		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Wildlife Recon Task Force	Manpower: Supervisor	Group Supervisor	1	
Wildlife Recon Task Force	Wildlife Specialist	Wildlife Specialists	2	
Wildlife Recon Task Force	Wildlife Trailer	Wildlife Trailer	0	
Wildlife Recon Task Force	Small Boat	Small Boat	0	14 - 29 feet
Wildlife Recon Task Force	Boat Operator	Boat Operator	0	
Wildlife Recon Task Force	UTV	UTV	1	
Assignments				
Recon and Recovery TF: Texas Parks and Wildlife Dept will conduct recon and recovery of impacted wildlife and stabilize for transportation.				
Communications				
Name / Function		Contact Details		
		m:		
		m:		
		m:		
Special Equipment / Supplies Needed for Assignment				
Report to Command post to receive badge and instructions.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to: Eye protection Safety Shoes USCG approved PFD in boats and where drowning risk exists.				
Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.				
ICS 204 - Assignment List			Last Update By TRG Support At 03/10/2015 19:54 GMT -6:00	
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ICS 204 - Assignment List			Area Of Operation: Wildlife Rehab Task Force	
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Wildlife Rehab Task Force	Manpower: Supervisor	Group Supervisor	1	
Wildlife Rehab Task Force	Wildlife Specialist	Wildlife Specialists	3	
Wildlife Rehab Task Force	Wildlife Trailer	Wildlife Trailer	1	
Wildlife Rehab Task Force	Light Plants	Light Plants	1	
Wildlife Rehab Task Force	Response Van	Response Van	1	
Wildlife Rehab Task Force	Driver	Van Drivers	1	
Assignments				
Wildlife Rehab TF: Wildlife Response Services will transport recovered impacted wildlife and rehabilitate as needed. Rehab Center is at WRS Baytown Rehabilitation Center on Decker Rd.				
Communications				
Name / Function		Contact Details		
		m:		
		m:		
		m:		
		m:		
Special Equipment / Supplies Needed for Assignment				
Report to Command post to receive badge and instructions.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to: Eye protection Safety Shoes USCG approved PFD in boats and where drowning risk exists. Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.				
ICS 204 - Assignment List			Last Update By TRG Support At 03/10/2015 19:55 GMT -6:00	
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ICS 204 - Assignment List			Area Of Operation: Marine Mammal/Sea Turtle TF Leader	
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		
Marine Mammal TF Leader		Wildlife Response Services LLC		
Sea Turtle TF Leader		Wildlife Response Services LLC		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Marine Mammal/Sea Turtle TF Leader	Manpower: Supervisor	Group Supervisor	2	
Marine Mammal/Sea Turtle TF Leader	Small Boat	Small Boat	1	14 - 29 feet
Marine Mammal/Sea Turtle TF Leader	Boat Operator	Boat Operator	1	
Marine Mammal/Sea Turtle TF Leader	UTV	UTV	1	
Assignments				
Sea Turtles: Conduct recon, recovery and rehabilitation of impacted sea turtles. Located in Galveston Lab				
Marine Mammals: Conduct recon, recovery and rehabilitation of impacted marine mammals. Located in Galveston Lab				
Communications				
Name / Function		Contact Details		
		m:		
		m:		
		m:		
		m:		
Special Equipment / Supplies Needed for Assignment				
Report to Command post to receive badge and instructions.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to: Eye protection Safety Shoes USCG approved PFD in boats and where drowning risk exists.				
Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.				
ICS 204 - Assignment List			Last Update By TRG Support At 03/10/2015 20:59 GMT -6:00	
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ICS 204 - Assignment List			Area Of Operation: Safety Zone Enforcement Group		
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]		
Operations Personnel					
Position	Name	Affiliation	Contact Number(s)	Work Shift	
Operations Section Chief		USCG		Day Shift	
Operations Section Deputy		Gallagher Marine		Day Shift	
Safety Zone Enforcement Group Supervisor		Port of Houston Authorities			
Resources Required					
Area Of Operation	Resource Type	Description	Quantity	Size	
Safety Zone North	Vessel	Vessel	4		
Assignments					
Maintain safety zone boundaries on north and south sides of the impacted area as required by COTP.					
Communications					
Name / Function		Contact Details			
Water Assessment		83			
Aerial Assessment		22			
USCG Rescue		21			
Special Environmental Considerations					
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.					
ICS 204 - Assignment List			Last Update By TRG Support At 03/11/2015 00:23 GMT -6:00		
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ICS 204 - Assignment List			Area Of Operation: Decon Group	
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Decon Group Supervisor		Horizon Environmental		
Communications				
Name / Function		Contact Details		
		m:		
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
ICS 204 - Assignment List			Last Update By TRG Support At 03/11/2015 00:11 GMT -6:00	
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ICS 204 - Assignment List		Area Of Operation: Salvage Group - Carla Maersk		
Incident Name: Morgan's Point Collision		Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]		
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Salvage Project Manager		Svitzer Salvage		
Salvage & Engrg Tech Specialist		Titan Salvage		
Fire Suppression TF Leader		IES		
Salvage Group - Asst Safety Officer		USCG		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Salvage Group - Carla Maersk	Deck Barge	Deck Barge	1 each	
Salvage Group - Carla Maersk	Tug	Tug	1 each	
Salvage Group - Carla Maersk	Vessel Crew	Vessel Crew	2 each	
Salvage Group - Carla Maersk	Manpower: Supervisor	Project Manager	1 each	
Salvage Group - Carla Maersk	Diver	Diver	5 each	
Salvage Group - Carla Maersk	Salvage Master	Salvage Master	2 each	
Salvage Group - Carla Maersk	Miscellaneous	Tarps	4 each	
Salvage Group - Carla Maersk	Miscellaneous	Bearclaw Magnets	24 each	
Salvage Group - Carla Maersk	ROV - Remotely Operated Vehicle	ROV - Remotely Operated Vehicle	1 each	
Salvage Group - Carla Maersk	Diving Equipment	Dive Spread	1 each	
Salvage Group - Carla Maersk	Dive Support Boat	Dive Support Boat	1 each	
Salvage Group - Carla Maersk	Pumps	2000 GPM	1 each	
Salvage Group - Carla Maersk	Miscellaneous	Foam Totes (Solberg 1X3 2015 EPA)	9 each	
Salvage Group - Carla Maersk	Pumps	3500 GPM	1 each	
Salvage Group - Carla Maersk	Fire Fighters	IES Techs	4 each	
Salvage Group - Carla Maersk	Fire Fighters	Port of Houston Authority Fire Fighters	5 each	
Salvage Group - Carla Maersk	Fire Boat	Port of Houston Authority Fire Boat	1 each	
Assignments				
Using 4 IES techs apply foam barrier (Solberg 1X3 2015 EPA) for vapor suppression/control. If vapor suppression is successful, apply soft patch tarp to damaged area and reconvene for next phase. Using ROV and divers (as a contingency) as determined by Salvage Plan to determine hull structure integrity and potential for additional product loss into waterway.				
Once inspection is complete and with UC approval, utilizing assist tugs and ships power, vessel to transit to Barbours Cut Turning Basin.				
All detailed salvage procedures will be performed in accordance with the approved Salvage Plan.				
Communications				
Name / Function		Contact Details		
- Titan Salvage		m:		
		m:		
ICS 204 - Assignment List		Last Update By TRG Support At 03/11/2015 00:16 GMT -6:00		
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ICS 204 - Assignment List		Area Of Operation: Salvage Group - Carla Maersk	
Incident Name: Morgan's Point Collision		Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Communications			
Name / Function		Contact Details	
[REDACTED]		m: [REDACTED]	
[REDACTED]		m: [REDACTED]	
[REDACTED] - USCG		m: [REDACTED]	
[REDACTED]		m: [REDACTED]	
[REDACTED]		m: [REDACTED]	
Salvage		320	
USCG Rescue		21	
		800 / Tac 1	
Aerial Assessment		22	
Special Environmental Considerations			
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.			
Special Site-Specific Safety Considerations			
<p>All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE as detailed in the Site Safety Plan and Salvage Plan. To include but not limited to:</p> <p>Hard hats Eye protection Hearing protection Safety shoes Fire Retardant Clothing Chemical suits when required Chemical gloves when required Respiratory protection when required USCG approved PFD in boats and where a risk of drowning exists Fall protection when required</p> <p>Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.</p>			
ICS 204 - Assignment List		Last Update By TRG Support At 03/11/2015 00:16 GMT -6:00	
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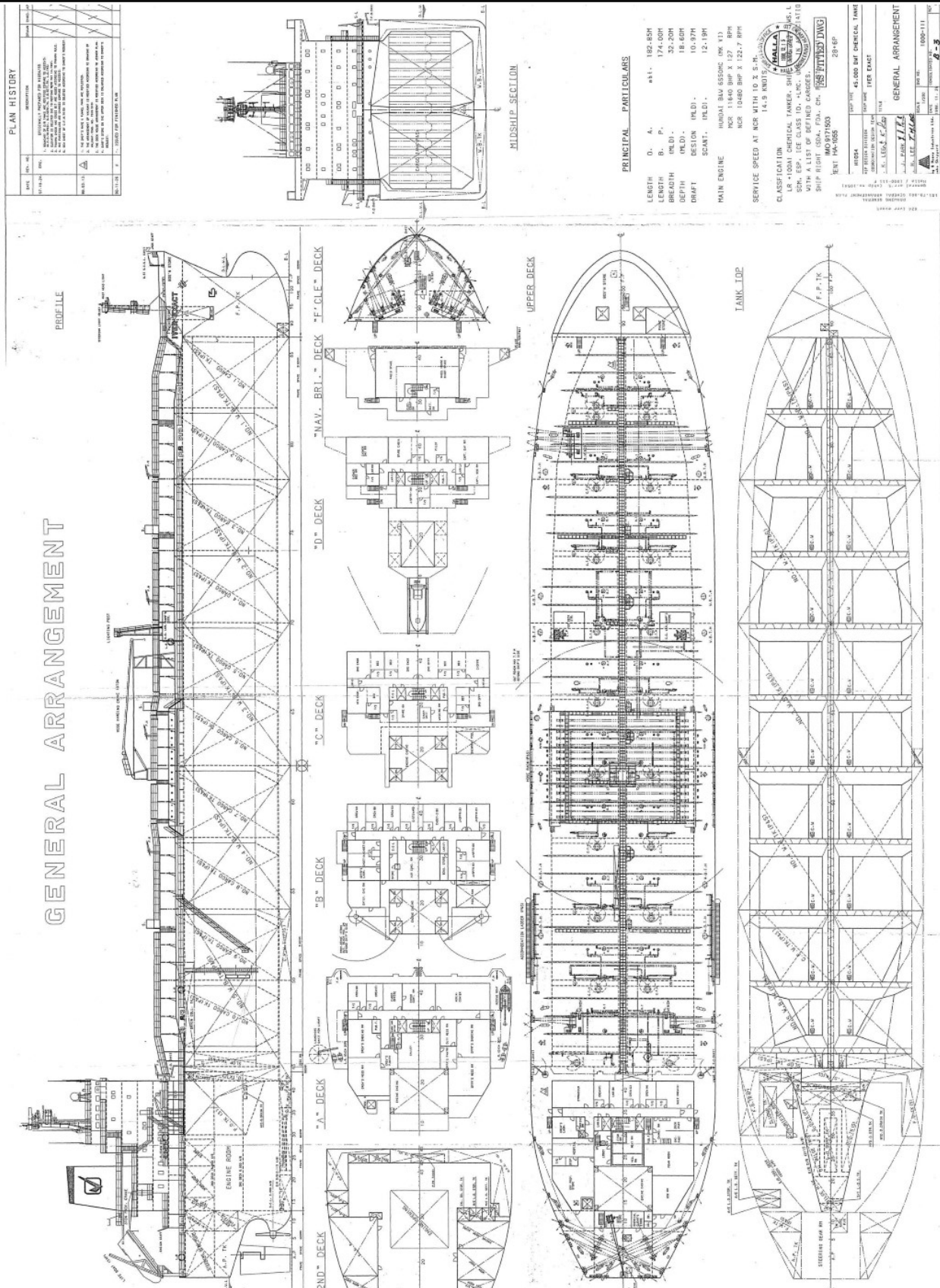
ICS 204 - Assignment List

Area Of Operation: Salvage Group - Carla Maersk

Incident Name: Morgan's Point Collision

Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]
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Schematic



ICS 204 - Assignment List

Last Update By TRG Support At 03/11/2015 00:16 GMT -6:00

ICS 204 - Assignment List			Area Of Operation: Water Assessment Group	
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Water Assessment Group Supervisor		US Coast Guard		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Water Assessment Group	Manpower: Responder	USCG Spotter	1	
Water Assessment Group	Aircraft: Helo	USCG Helo	1	
Water Assessment Group	Vessel	Boat	1	
Water Assessment Group	Manpower: Responder	USCG Spotter	1	
Assignments				
<p>Coordinate with ACOE/Fire Boat #2 to conduct underwater assessment to locate anchor from Conti Paridot. Once anchor is found, mark location/broadcast location as necessary. Coordinate with Salvage Group to remove anchor. Conduct overflight at first light with helo to determine MTBE on surface visible from the air. Take GPS points for leading and trailing edge of slick including pictures.</p>				
Communications				
Name / Function		Contact Details		
Tactical		83		
Special Equipment / Supplies Needed for Assignment				
Sonar equipment to find anchor				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
<p>All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to:</p> <p>Eye protection Hearing protection Safety shoes Fire Retardant Clothing when needed USCG approved PFD in boats and where a risk of drowning exists</p> <p>Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor</p>				
ICS 204 - Assignment List			Last Update By TRG Support At 03/10/2015 19:58 GMT -6:00	
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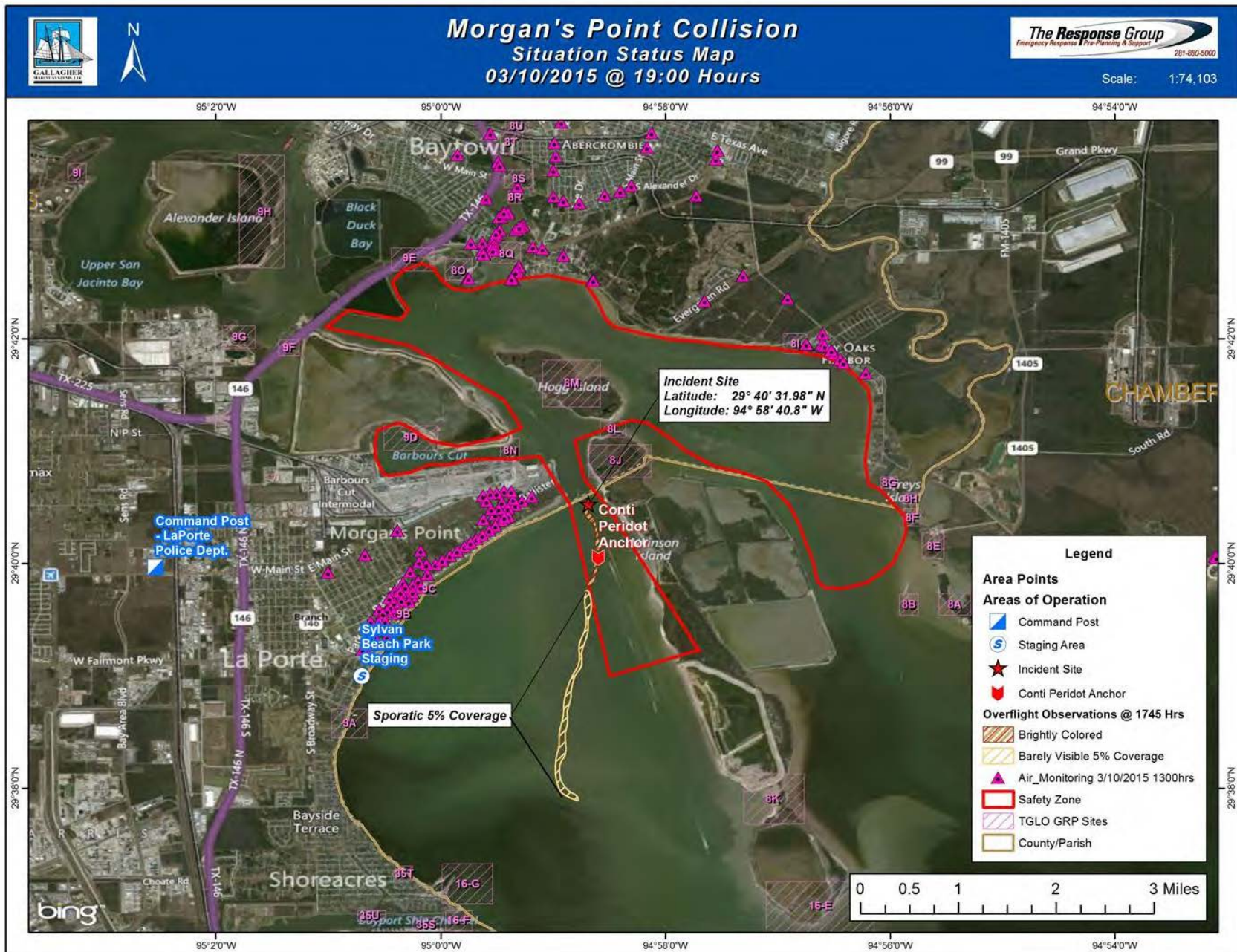
ICS 204 - Assignment List

Incident Name: Morgan's Point Collision

Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]

Area Of Operation: Water Assessment Group

Situation Status Map



ICS 204 - Assignment List

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ICS 204 - Assignment List			Area Of Operation: Natural Resources Group	
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Natural Resource Group Supervisor		Texas Parks and Wildlife		
Protection Task Force Leader		NRC		
Protection Task Force		Horizon Environmental		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Natural Resources Group	Boom	Harbor Boom	3000	18 - 24 in
Natural Resources Group	Small Boat	Small Boat	2	12 - 29 feet
Natural Resources Group	Boat Operator	Boat Operator	3	
Natural Resources Group	Spill Tech	Spill Tech	3	
Natural Resources Group	Manpower: Supervisor	Manpower: Supervisor	1	
Natural Resources Group	Work Boat	Work Boat	1	30 - 240 feet
Assignments				
If warranted by aerial overflight, deploy deflection boom at pre-identified sites as required.				
Communications				
Name / Function		Contact Details		
		m:		
- Horizon		m:		
		m:		
Natural resources		69		
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208), Staging Area Safety Plan, and the Boat Operations Safety Plan. Follow safe work practices and wear appropriate PPE. To include but not limited to: Hard hats Eye protection Safety shoes USCG approved PFD in boats and where a risk of drowning exists Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor				
ICS 204 - Assignment List			Last Update By Roy Barrett At 03/10/2015 20:21 GMT -6:00	
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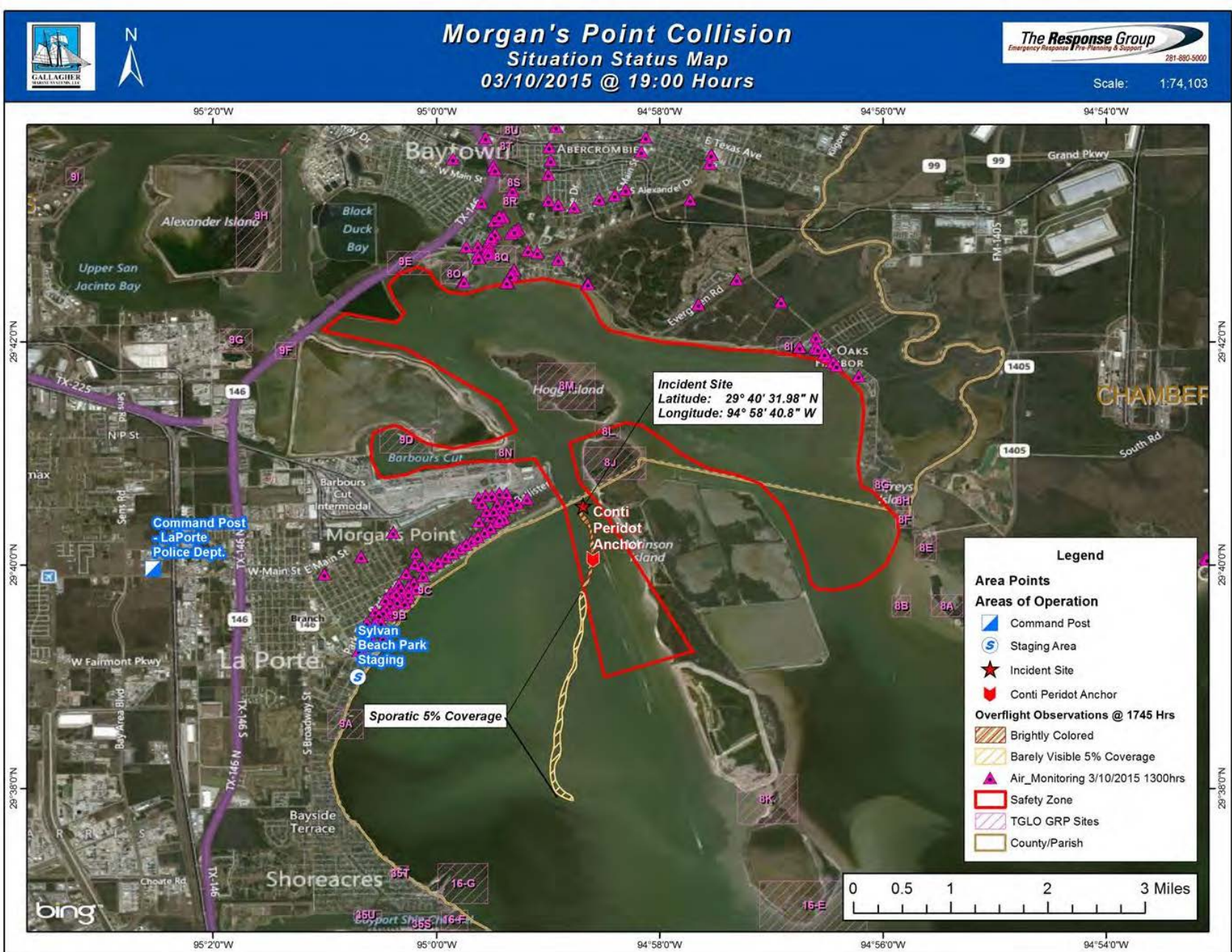
ICS 204 - Assignment List

Incident Name: Morgan's Point Collision

Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]

Area Of Operation: Natural Resources Group

Situation Status Map



ICS 204 - Assignment List

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ICS 204 - Assignment List			Area Of Operation: Air Monitoring Group	
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Monitoring Group Supervisor		CTEH		
Air Monitoring Task Force Leader		CTEH		
Air Monitoring Team		USCG		
Air Monitoring Team		USCG		
Air Monitoring Team		US Coast Guard		
Air Monitoring Team		USCG		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Air Monitoring Group	Safety Personnel	Toxicologist	1	
Air Monitoring Group	Supervisor	Project Manager	2	
Air Monitoring Group	Manpower: Responder	Data Specialist	1	
Air Monitoring Group	Safety Personnel	Toxicologist	1	
Air Monitoring Group	Safety Personnel	Toxicologist	1	
Air Monitoring Group	Vehicle	Vehicles	10	
Air Monitoring Group	Equipment: Safety	MultiRAE	10	
Air Monitoring Group	Equipment: Safety	MultiRAE	10	
Assignments				
ICS 204 - Assignment List			Last Update By TRG Support At 03/10/2015 20:50 GMT -6:00	
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ICS 204 - Assignment List		Area Of Operation: Air Monitoring Group	
Incident Name: Morgan's Point Collision		Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
<p>Provide community and worker air monitoring assessment in the area of the release, impacted areas, predicted trajectory of spilled material and areas that have reported odor complaints. Will conduct realtime streaming data and summary reports for Unified Command. MultiRae Systems are placed along Morgans Point, Shoreacres, LaPorte, Baytown, Beach City and results will be synchronized every 15 minutes with continuous data oversight. USCG Strike Team members will conduct night time on-water air monitoring on a contingency basis for 3/10/15. If an approved Salvage Plan is in place before the next operational period (Period 3) begins, one Strike Team member will be available for a 1 hour wake-up call no earlier than 3am on 3/11/15 due to fatigue limits.</p> <p>USCG Strike Member on stand by for wake up call: <div style="background-color: black; width: 150px; height: 15px; margin-bottom: 5px;"></div> </p> <p>Dayshift</p> <div style="display: flex; margin-left: 20px;"> <div style="background-color: black; width: 80px; height: 15px; margin-right: 5px;"></div> <div> - Team Lead <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work Morgans Point to SHoreacres <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work Morgans Point to Laporte <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work LaPorte to Baytown <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work Baytown Area <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work Beach City Area <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Data Manager </div> </div> <p>USCG - 1 person</p> <p>Night Shift</p> <div style="display: flex; margin-left: 20px;"> <div style="background-color: black; width: 80px; height: 15px; margin-right: 5px;"></div> <div> - Team Lead <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work Morgans Point to SHoreacres <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work Morgans Point to Laporte <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work LaPorte to Baytown <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work Baytown Area <div style="background-color: black; width: 80px; height: 15px; margin-bottom: 5px;"></div> - Scientist - Work Beach City Area </div> </div> <p>USCG - 1 person</p> <p>Equipment: 10 MultiRae's 10 Vehicles 10 Handheld Devices 5 GasTech Pumps 1 Multi Rae Pro (USCG Strike Team) 1 Area Rae (USCG Strike Team) </p>			
Communications			
Name / Function		Contact Details	
<div style="background-color: black; width: 100px; height: 15px;"></div>		m: <div style="background-color: black; width: 100px; height: 15px;"></div>	
<div style="background-color: black; width: 100px; height: 15px;"></div>		m: <div style="background-color: black; width: 100px; height: 15px;"></div>	
Special Environmental Considerations			
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.			
ICS 204 - Assignment List		Last Update By TRG Support At 03/10/2015 20:50 GMT -6:00	
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ICS 204 - Assignment List	Area Of Operation: Air Monitoring Group
Incident Name: Morgan's Point Collision	Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]

Special Site-Specific Safety Considerations

All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to:

Community Monitoring:

Eye protection

Safety shoes

Reflective vests/high visibility clothing

Utilize hazard lights on vehicles

On Water Monitoring:

Hard hats

Eye protection

Safety shoes

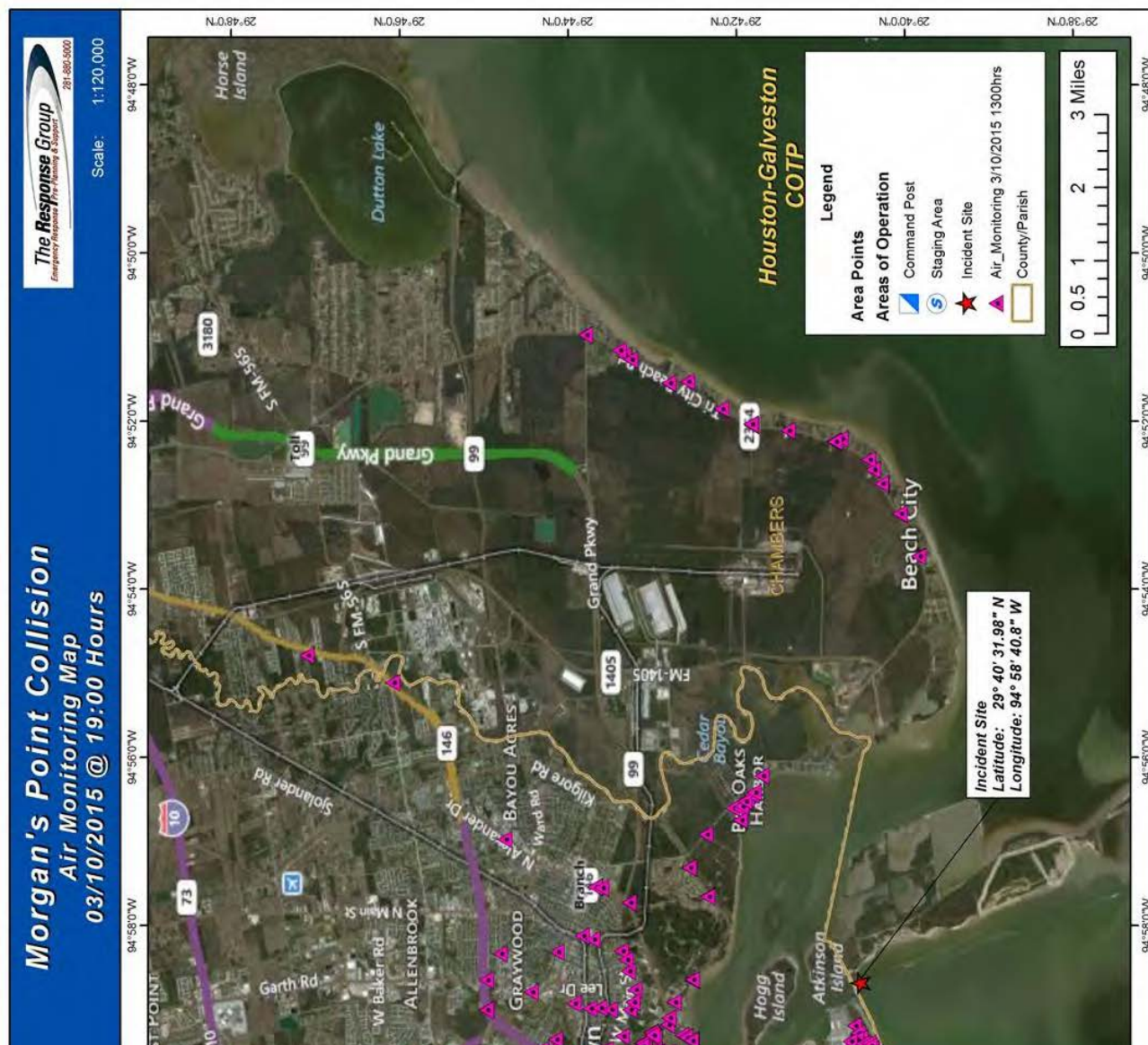
USCG approved PFD in boats and where drowning risk exists

Fire Retardant Clothing

Respiratory protection when needed

Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.

Situation Status Map



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ICS 204 - Assignment List		Area Of Operation: Water Sampling Group		
Incident Name: Morgan's Point Collision		Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]		
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		USCG		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Water Sampling Group Supervisor		CTEH		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Water Sampling Group	Manpower: Responder	Sampling Specialist	2	
Water Sampling Group	Small Boat	Small Boat	1	
Assignments				
Deploy 1 team of 2 Sampling Specialist to conduct water sampling at the identified location within the Sampling Analysis Plan.				
Communications				
Name / Function		Contact Details		
Water Assessment		83		
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
<p>All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to:</p> <p>Eye protection</p> <p>Safety Shoes</p> <p>USCG approved PFD in boats and where drowning risk exists.</p> <p>Fire Retardant Clothing</p> <p>Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.</p>				
ICS 204 - Assignment List		Last Update By TRG Support At 03/10/2015 19:56 GMT -6:00		
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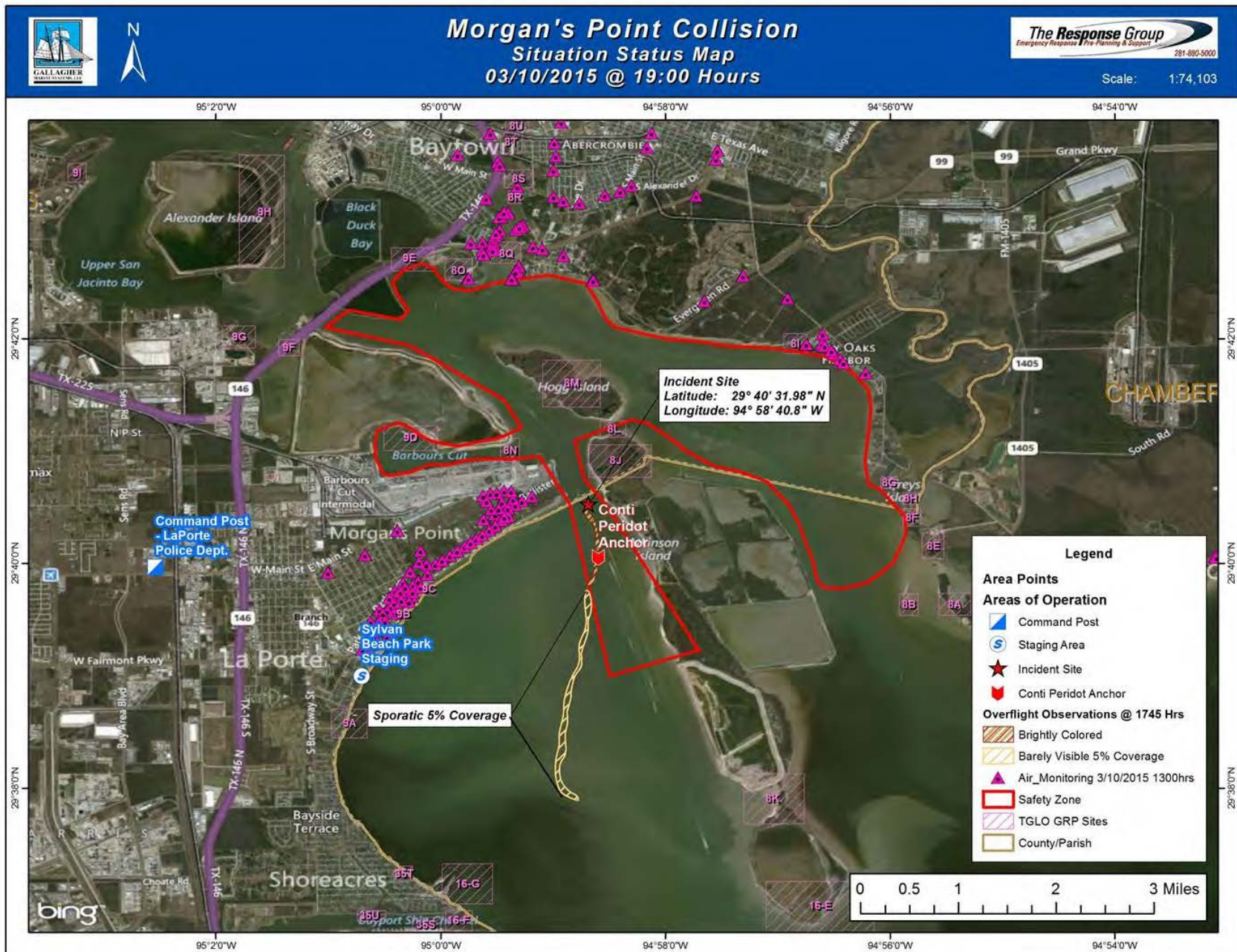
ICS 204 - Assignment List

Incident Name: Morgan's Point Collision

Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]

Area Of Operation: Water Sampling Group

Situation Map



ICS 204 - Assignment List

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ICS 205 - Radio Communications					Version Name: 03/10/2015 V1				
Incident Name: Morgan's Point Collision					Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]				
Radio Channel Information									
Ch #	Function	Channel Name/ Trunked Radio System Talkgroup	Assignment	Rx Freq N or W	Rx Tone/NAC	Tx Freq N or W	Tx Tone/NAC	Mode (A, D, or M)	Remarks
83	Water Assessment	USCG	Water Assessment Group						Will be used for Aerial Surveillance
22	Aerial Assessment	981RH Republic - Aerial Assessment	Water Assessment Group						POC [REDACTED] see 205a
69	Natural resources	VH Channel 69	Natural Resources Group Decon Group						For water operations (Decon, booming, etc)
Tac 1		Port of Houston Fire Boats	Safety Zone Enforcement Group	800					Port of Houston Fire Tac 1
PHAPD		Port of Houston Police Department	Security Group						Security Patrols/Escorts
320	Salvage	Private VHS Network	Salvage Group - Carla Maersk						Will Monitor Ch. 16 for emergencies but Salvage Ops will use Private VHS Network
21	USCG Rescue	USCG Vessels - Rescue 21 Secure	Safety Zone Enforcement Group						Sector Command to Relay to USCG Vessels Closed Channel (281) 464-4853
	Salvage	Cell Phone	Salvage Group - Carla Maersk Salvage Group - Cordi Peridot						[REDACTED] see 205a
	Wildlife	Cell Phone	Wildlife Group						[REDACTED] see 205a
	Air Monitoring	Cell Phone	Air Monitoring Group						[REDACTED] see 205a
	Decon	Cell Phone	Decon Group						[REDACTED] see 205a
	Staging	Cell Phone	Staging Areas						[REDACTED] see 205a
	Tactical	Cell Phone	Water Sampling Group						[REDACTED] see 205a
		Cell Phone	Command Post - LaPorte Police Dept.						
Special Radio Instructions									
ICS 205 - Radio Communications					Last Update By TRG Support At 03/11/2015 00:24 GMT -6:00				
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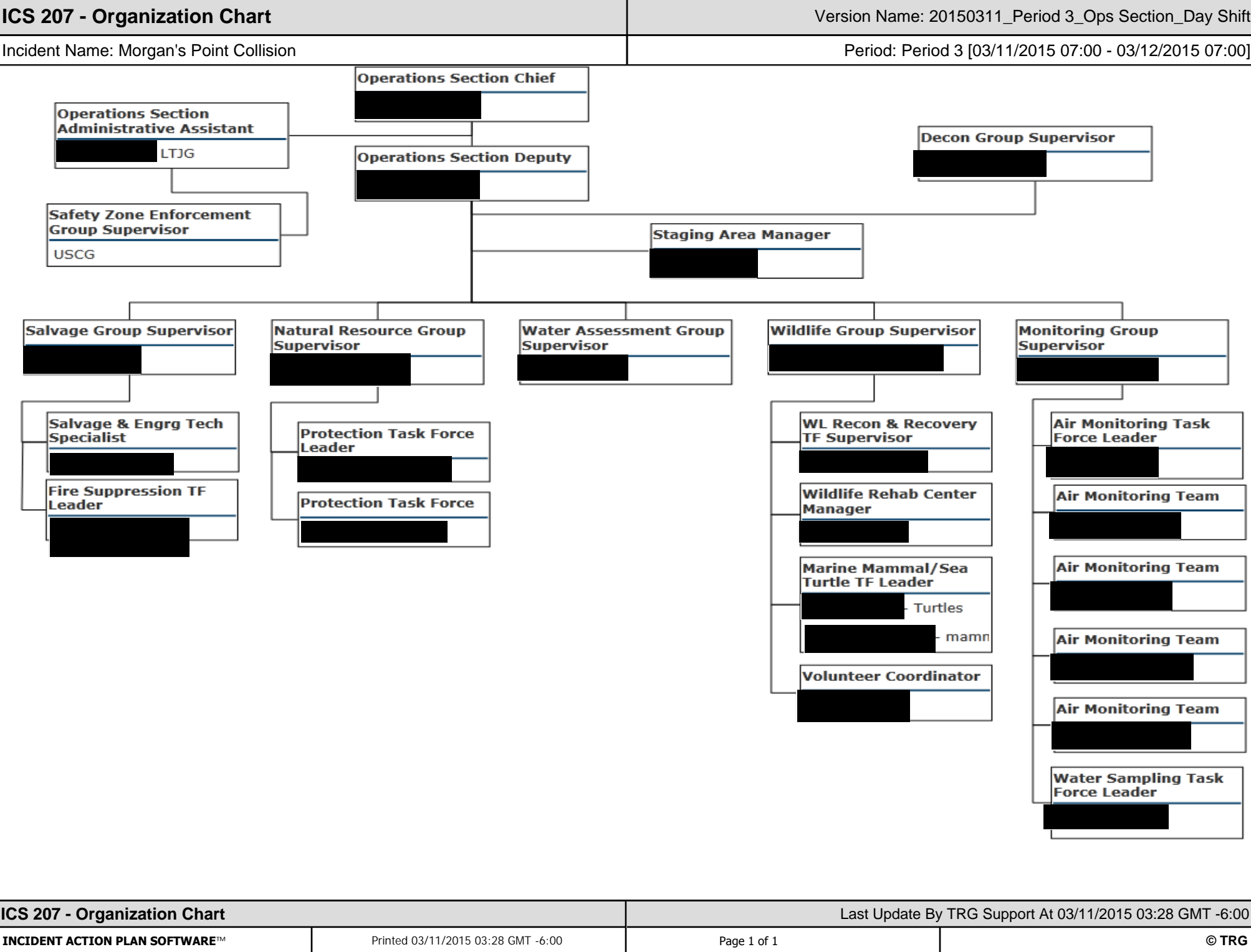
ICS 205a - Communications List				Version Name: 03/10/2015 V1	
Incident Name: Morgan's Point Collision				Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
Local Communications Information					
Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
██████████ - Horizon	Protection TF	██████████			
██████████	ICS Specialist	██████████	██████████	██████████@responsegroupinc.com	
██████████ - Titan Salvage	Salvage Group	██████████			
██████████	Air Monitoring TF Leader (Night)	██████████			
██████████	Resource Unit Leader	██████████			
██████████ USCG BM2	Air Monitoring (Water)	██████████			
██████████	Air Monitoring Tech. Director	██████████			
██████████ - USCG		██████████			
██████████	Air Monitoring Safety (Day)	██████████			
██████████	Air Monitoring TF Leader (Day)	██████████			
██████████	Protection TF Leader	██████████			
██████████	Air Monitoring Group	██████████			
██████████	Water Sampling TF Leader	██████████			
██████████	Salvage & Engrg Tech Specialist	██████████			
██████████	Texas Parks and WL Dept	██████████			
██████████	Air Monitoring TF (Night)	██████████			
██████████	Air Monitoring TF (Day)	██████████			
██████████	Incident Commander	██████████			
██████████ USCG DC2	Air Monitoring (Land)	██████████			
██████████	Operations Section Deputy	██████████			
██████████	Situation Unit Leader	██████████			
██████████	Salvage Group Supervisor	██████████			
██████████ - USCG		██████████			

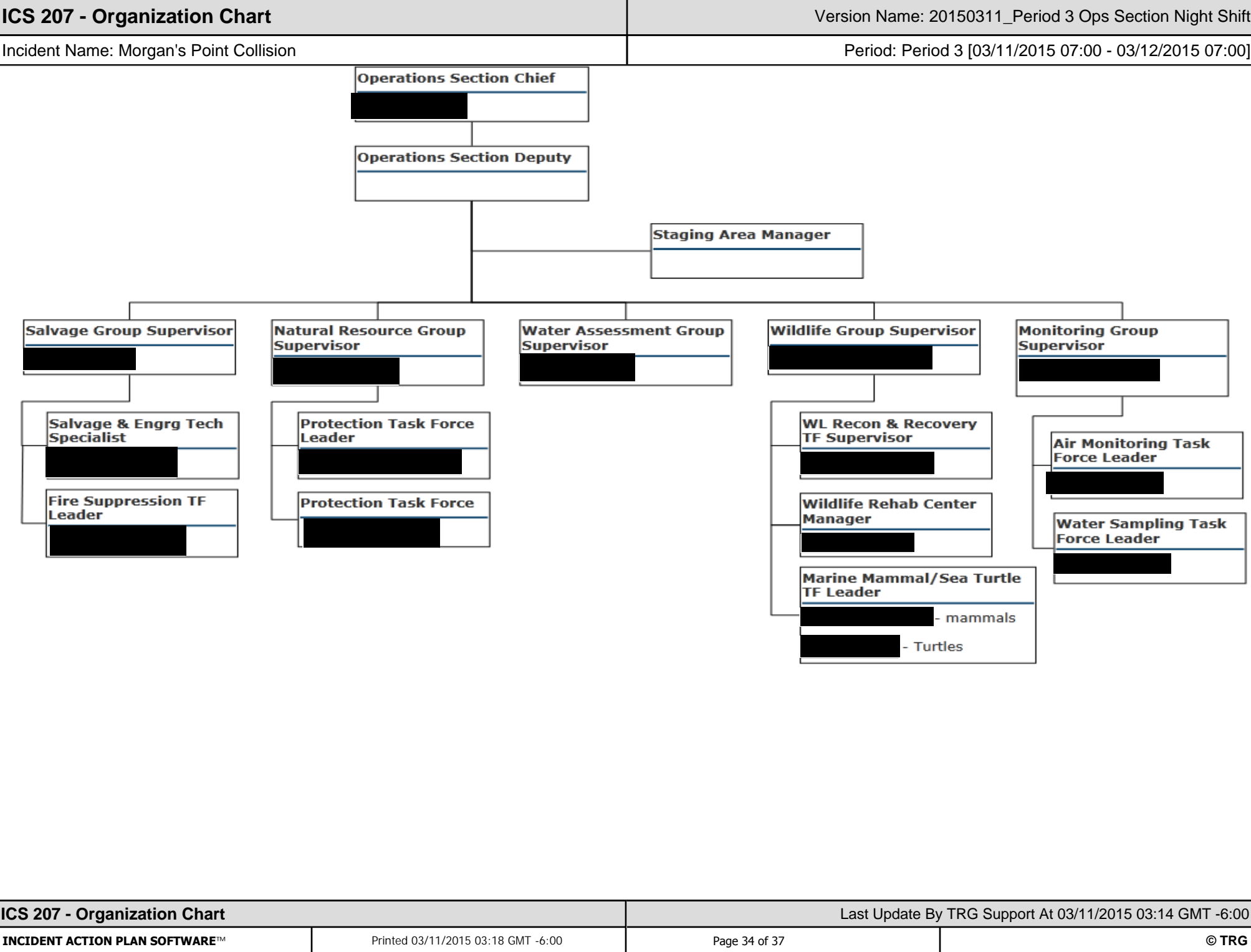
ICS 205a - Communications List		Last Update By Gallagher Marine At 03/10/2015 23:16 GMT -6:00	
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ICS 205a - Communications List				Version Name: 03/10/2015 V1	
Incident Name: Morgan's Point Collision				Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]	
██████████	Wildlife Rehab Center Manager	850-549-5891			
██████████	Sea Turtles TF Leader	██████████			
██████████	Operations Section IAP Specialist	██████████	██████████	██████████@responsegroupinc.com	
██████████ - USCG MST1	Air Monitoring (Land)	██████████			
██████████	Planning Support	██████████	██████████	██████████@responsegroupinc.com	
██████████	Water Sampling TF Leader	██████████			
██████████	Air Monitoring TF (Night)	██████████			
██████████ - USCG LTJG	Operations Section Administrative Assistant	██████████			
██████████	Air Monitoring Safety (Day)	██████████			
██████████	Air Monitoring TF (Night)	██████████			
██████████ - USCG	Operations Section Deputy	██████████			
██████████	Planning Section Chief	██████████			
██████████	Air Monitoring Data Manager	██████████			
██████████	Safety Officer	██████████			
██████████	Air Monitoring TF (Night)	██████████			
██████████ - USCG	Salvage Damage Survey Team	██████████			
██████████	Salvage & Engrg Tech Specialist	██████████			
██████████	Salvage & Engrg Tech Specialist	██████████			
██████████ - USCG		██████████			
██████████	Wildlife Recovery Group Supervisor	██████████			
██████████	Wildlife Group Supervisor	██████████			
██████████	Logistics Section Chief	██████████			
██████████	Federal OSC	██████████			
██████████	Air Monitoring TF (Day)	██████████			
██████████	Finance Section Chief	██████████			
ICS 205a - Communications List				Last Update By Gallagher Marine At 03/10/2015 23:16 GMT -6:00	
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ICS 205a - Communications List			Version Name: 03/10/2015 V1		
Incident Name: Morgan's Point Collision			Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]		
	Air Monitoring TF (Night)				
- USCG					
- USCG					
	Air Monitoring TF (Day)				
	Air Monitoring TF (Day)				
	Air Monitoring (Water)				
USCG BMC					
	Local Government OSC				
	Air Monitoring Safety (Night)				
- USCG					
CWO	Water Assessment Group				
	State OSC				
	Logistics Section Deputy				
	Environmental Unit Leader				
	Salvage Group				
	Air Monitoring TF (Day)				
- USCG					
	Marine Mammals TF Leader				
PA3	Public Information Officer				
	Public Information Officer				
	Planning Section Deputy			@responsegroupinc.com	
- USCG	Operations Section Chief				
Approved By					
<div style="display: flex; justify-content: space-between;"> <div>Logistics Section Chief: _____</div> <div>Date: _____</div> </div>					
ICS 205a - Communications List			Last Update By Gallagher Marine At 03/10/2015 23:16 GMT -6:00		
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ICS 206 - Medical Plan				Version Name: 03/09/2015 19:09:14				
Incident Name: Morgan's Point Collision				Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]				
Medical Aid Stations								
Name		Location Name		Paramedic On Site	Phone		Radio	
Transportation (Ground and/or Air Ambulance Services)								
Ambulance Service		Location		Phone		Radio	Air	ALS
La Porte City Ambulance Service		La Porte		Ph1: (281) 471-9244			<input type="checkbox"/>	<input type="checkbox"/>
Skymed		La Porte		Ph1: (281) 842-1415			<input type="checkbox"/>	<input type="checkbox"/>
Bay Star Ambulance Service		Baytown		Ph1: (281) 422-7200			<input type="checkbox"/>	<input type="checkbox"/>
Enterprise Ambulance - Baytown		Baytown		Ph1: (281) 837-6262			<input type="checkbox"/>	<input type="checkbox"/>
Hospitals								
Hospital	Location	Phone	Radio	Air Travel Time	Ground Travel Time	Trauma Center	Helipad	Burn Center
Bayshore Medical Center	4000 Spencer Hwy Pasadena, TX 77504 -95.1834 29.6652	Ph1: 713-359-1000		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Memorial Hermann Texas Medical Center	6411 Fannin Houston, TX 77030 -95.3968 29.7148	Ph1: 713-704-3700		min	min	II	<input type="checkbox"/>	<input checked="" type="checkbox"/>
University Of Texas Medical Branch Gal	301 University Boulevard Galveston, TX 77555 -94.7755 29.3111	Ph1: 409-772-1011		min	min	II	<input type="checkbox"/>	<input checked="" type="checkbox"/>
San Jacinto Methodist Hospital	4401 Garth Road Baytown, TX 77521 -94.9776 29.7692	Ph1: 281-420-8600		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Christus St John Hospital	18300 St John Drive Nassau Bay, TX 77058 -95.0851 29.5495	Ph1: 281-333-5503		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
St Luke's Patients Medical Center	4600 East Sam Houston Parkway South Pasadena, TX 77505 -95.1602 29.6408	Ph1: 281-487-0700		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Clear Lake Regional Medical Center	500 Medical Center Blvd Webster, TX 77598 -95.1276 29.5401	Ph1: 281-332-2511		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Special Medical Emergency Procedures								
ICS 206 - Medical Plan				Last Update By TRG Support At 03/10/2015 21:11 GMT -6:00				
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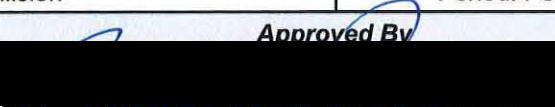








ICS 208 - Site Safety Plan				Version Name: Site Safety Plan				
Incident Name: Morgan's Point Collision				Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]				
Applies to Site: All								
Site Characterization								
Water		Land		Weather				
Wave Height		Land Use		Air Temp		55.00 F		
Speed				Wind Speed		9.00 mph		
Direction				Direction		NNW		
Site Hazards								
Yes	No	Hazards	Yes	No	Hazards	Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cold Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plants/Wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Air Monitoring Limits								
Oxygen Level		19.5% - 23.5%	Hydrogen Sulfide		N/A	Total Hydrocarbons		
LEL		1%	Benzene		N/A	MTBE		
Engineering Controls								
<input checked="" type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out	
<input checked="" type="checkbox"/>	Site secured		<input type="checkbox"/>	Facility shut down				
Personal Protective Equipment Required								
<input checked="" type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection	
<input type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Hard hats		<input checked="" type="checkbox"/>	Personal flotation	
<input type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots	
Additional Control Measures Established								
<input type="checkbox"/>	Decontamination		<input checked="" type="checkbox"/>	Illumination		<input type="checkbox"/>	Additional stations established	
<input type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Medical surveillance		<input type="checkbox"/>	Facilities provided	
Work Plan								
<input checked="" type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work	
<input type="checkbox"/>	Skimming		<input type="checkbox"/>	Heavy equipment		<input checked="" type="checkbox"/>	Appropriate permits used	
<input type="checkbox"/>	Vac trucks		<input type="checkbox"/>	Sorbent pads				
<input checked="" type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching				
Training								
<input checked="" type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements		OSHA HAZWOPER		
Organization								
Position	Name	Telephone/Radio	Position	Name	Telephone/Radio			
Incident Commander			Safety Officer					
ICS 208 - Site Safety Plan				Last Update By TRG Support At 03/10/2015 01:56 GMT -6:00				
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/11/2015 03:18 GMT -6:00		Page 35 of 37		© TRG		

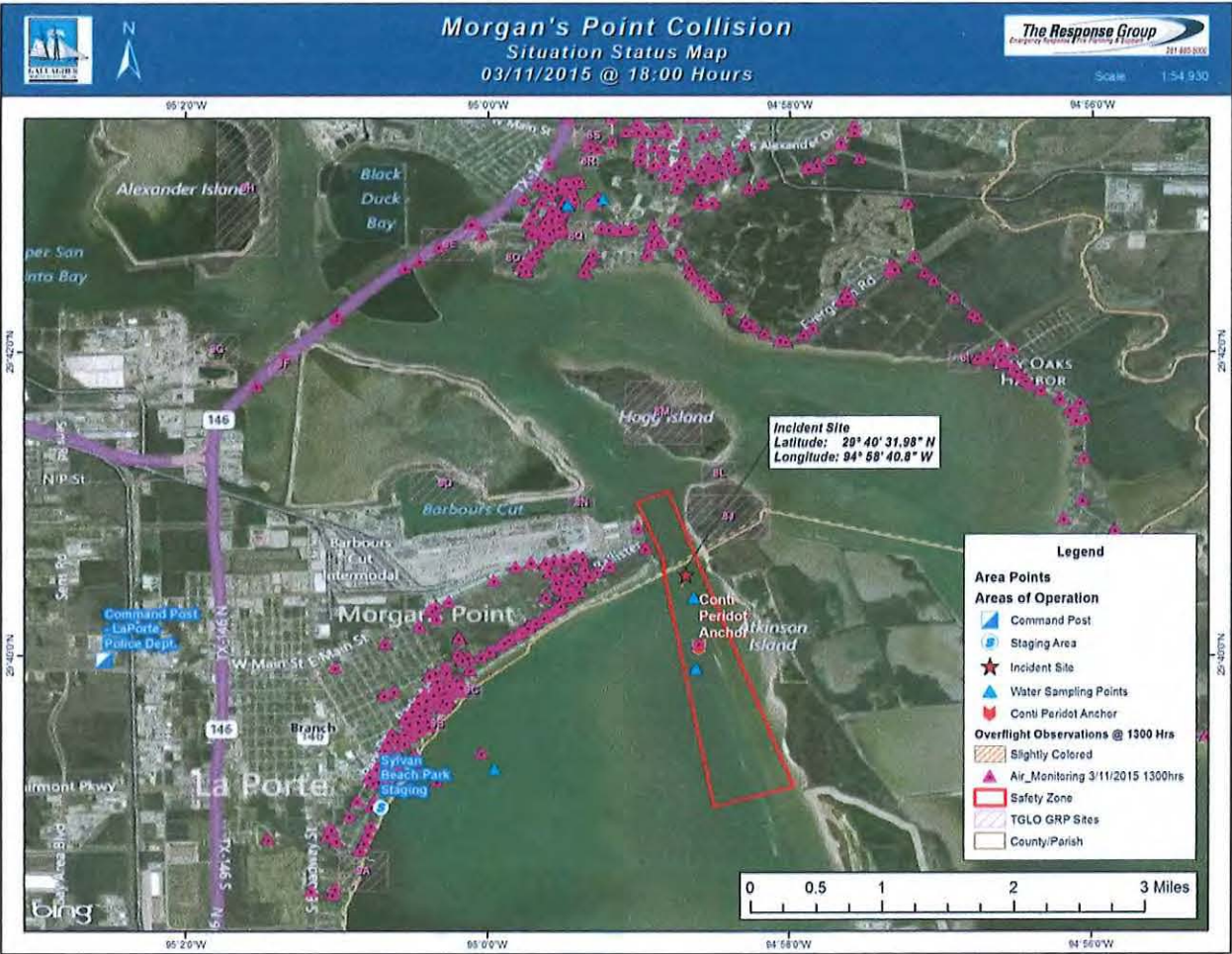
ICS 208 - Site Safety Plan				Version Name: Site Safety Plan				
Incident Name: Morgan's Point Collision				Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]				
Deputy Incident Commander				Operations Section Chief		LCDR		
Emergency Plan								
<input type="checkbox"/>	Fire Prevention Plan		<input type="checkbox"/>	Evacuation Plan				
<input type="checkbox"/>	Alarm System		<input type="checkbox"/>	First Aid Location				
Notifications								
<i>Facility</i>			<i>Phone</i>		<i>Facility</i>			<i>Phone</i>
<input checked="" type="checkbox"/>	Hospital	San Jacinto Methodist Hospital	(281) 420-8600	<input checked="" type="checkbox"/>	Fire	LaPorte Fire Department	(281) 471-3607	
<input checked="" type="checkbox"/>	Ambulance	LaPorte EMS	911	<input checked="" type="checkbox"/>	Law Enforcement	LaPorte Police Department	(281) 471-2141	
<input checked="" type="checkbox"/>	Air Ambulance	Memorial Hermann Life Flight	(713) 704-4000	<input type="checkbox"/>	Emergency Response/Rescue			
Initial Briefing								
<input checked="" type="checkbox"/>	Initial safety briefing prepared for each site							
Attachments/Appendices								
Attachment				Filename				
MSDS - MTBE.pdf				MSDS - MTBE.pdf				
107085-Morgan's Point TX HASP 03 10 15_0306.docx				107085-Morgan's Point TX HASP 03 10 15_0306.docx				
Approved By								
<div style="display: flex; justify-content: space-between; margin-bottom: 10px;"> Safety Officer: _____ Date: _____ </div>								
ICS 208 - Site Safety Plan				Last Update By TRG Support At 03/10/2015 01:56 GMT -6:00				
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/11/2015 03:18 GMT -6:00		Page 36 of 37		© TRG		

ICS 220 - Air Operations Summary				Version Name: ICS 220		
Incident Name: Morgan's Point Collision				Period: Period 3 [03/11/2015 07:00 - 03/12/2015 07:00]		
Sunrise		Sunset		Ready Alert Aircraft		
03/10/2015 07:37		03/10/2015 19:26		Medivac		
Remarks (safety notes, hazards, air operations special equipment, etc)				New Incident		
				Temporary Flight Restriction Number		
Personnel				Altitude 500		
Position	Name	Phone	Center Point			
Water Assessment Group Supervisor			Frequencies			
			Frequency / Function	AM	FM	
			22 - 981RH Republic			
			83a			
Fixed-Wing Aircraft						
FAA N#	Category	Make/Model	Base	Available	Start	Remarks
Helicopters						
FAA N#	Category	Make/Model	Base	Available	Start	Remarks
	Aircraft: Helo	Bell 206 B	Santa Fe, TX	03/10/2015 07:30		
Task / Mission / Assignment						
Function	Name of Personnel or Cargo or Instructions for Tactical Aircraft		Mission Start	Fly To		Fly From
				Incident Site		Air Station Houston
ICS 220 - Air Operations Summary				Last Update By TRG Support At 03/10/2015 20:37 GMT -6:00		
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/11/2015 03:18 GMT -6:00		Page 37 of 37		© TRG

IAP Cover Sheet		Version Name: Period 4 IAP Cover Sheet	
Incident Name: Morgan's Point Collision		Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]	
Approved By: 			
Federal OSC:		Date:	11 MARCH 2015
State OSC:		Date:	3/11/15
Local Government OSC:		Date:	3/11/15
Incident Commander:		Date:	3/11/15

Incident Action Plan

20150311_1700_Situation_Status_Map (Large).png



Prepared By: TRG Support

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Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/15 07:00 - 03/13/15 07:00]
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Weather Report	3
Map/Sketch	4
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Weather Report	Version Name: 20150312_0530_Weather_Report
Incident Name: Morgan's Point Collision	Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Present Conditions

Weather Conditions as of 03/12/2015 04:50

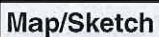
Wind Speed: 8.00 mph Wind Direction (from): N Temperature: 55.00 F Visibility: 7.00 mi Current Speed: Current Direction: Water Temperature:	Pressure: 30.06 IN Dew Point: 54.00 Feels Like: 55.00 UV Index: Wave Height: Wave Direction: Swell Height: Swell Interval:
--	---

Rain

Forecast Date	Wind	Temp Hi/Lo	% Precip	Sunrise/Sunset	Notes
Thu 03/12/2015	9.00 MPH N	63.00 F/ F	90.00		Mostly Cloudy with Light Showers
	6.00 MPH NW	F/54.00 F	80.00		Mostly Cloudy with Isolated Showers
Fri 03/13/2015	8.00 MPH W	70.00 F/ F	20.00		Partly Cloudy
	3.00 MPH WNW	F/55.00 F	14.00		Partly Cloudy
Sat 03/14/2015	7.00 MPH NW	72.00 F/ F	10.00		Partly Cloudy
	7.00 MPH NW	F/55.00 F	10.00		Partly Cloudy

Tides

Low Tide	Thursday 03/12/2015 07:41	-0.10 FT
High Tide	Thursday 03/12/2015 18:03	1.10 FT
Low Tide	Friday 03/13/2015 08:43	-0.20 FT
High Tide	Friday 03/13/2015 19:15	1.20 FT
Low Tide	Saturday 03/14/2015 09:52	-0.20 FT
High Tide	Saturday 03/14/2015 20:05	1.20 FT



ICS 202 - Incident Objectives		Version Name: Period 4 Objectives	
Incident Name: Morgan's Point Collision		Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]	
Overall and Strategic Objectives			
Overall Objective	Assigned To	Status	
Safety of the public, responders, and the crew			
Continuous air monitoring and map air quality readings			
Stop air plume from ship			
Monitor whether MTBE is on the surface, find and map			
Protect natural resources from surface contamination			
Keep public informed on protective measures			
Continue salvage on Maersk vessel (damage and cleaning) prior to moving			
Perform assessment and move Maersk vessel to lay berth			
Recover and Rehabilitate Injured Wildlife			
* - Open the waterway and restore commerce			
Operational Period Command Emphasis (Safety Message, Priorities, Key Decisions/Directions)			
<p>Safe work practices will be adhered to at all times. Responders will wear appropriate PPE while in the field. All responders will check in at the ICP or with field supervisors and maintain a unit log (ICS 214). Direct any media inquiries to the JIC at 281-946-9437. Field supervisors will ensure that a safety briefing is conducted prior to work assignment.</p>			
ICS 202 - Incident Objectives		Last Update By TRG Support At 03/11/2015 13:36 GMT -6:00	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/12/2015 06:17 GMT -6:00	Page 5 of 34	© TRG

ICS 202a - Command Direction		Version Name: Period 4	
Incident Name: Morgan's Point Collision		Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]	
Priorities			
People (Life Safety)			
Incident Stabilization			
Environment (Protection)			
Assets			
Reputation			
Limitations and Constraints			
<ul style="list-style-type: none"> Weather Conditions (Rain & Cloudy) Night Operations (Limited) Location of the Incident Spilled Material Characteristics (monitoring/PPE requirements) Public Health Community/Media Perception Fatigue management 			
Key Decisions and Procedures			
Key Decisions			
<ul style="list-style-type: none"> Make up of UC – Federal (USCG), State (TCEQ), Local (City of LaPorte, Port of Houston) & RP (Mearsk) Name of Incident = Morgan's Point Collision Overall Response Organization - Staffing <ul style="list-style-type: none"> OSC & Deputy OSC = GMS PSC & Deputy PSC = GMS LSC = GMS FSC = GMS Safety Officer = GMS Public Information Officer = USCG/GMS Liaison Officer = GMS Environmental Unit Leader = GMS/State/USFW 			
<p>Note: Section chiefs have full authority on filling positions however make sure that agencies are integrated into the organization.</p> <ul style="list-style-type: none"> Command Post – City of LaPorte EOC Joint Information Center – City of LaPorte EOC Operational Period & work hours - 3/12/15 0700hrs. to 3/13/15 0700hrs All external releases of information should be approved by UC. Any issues around waterway management will be coordinated by USCG. Use documentation guideline procedure Prioritize use of RP contractor aircraft 			
Approved By			
Incident Commander: _____		Date: _____	
ICS 202a - Command Direction		Last Update By TRG Support At 03/12/2015 05:25 GMT -6:00	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/12/2015 06:17 GMT -6:00	Page 6 of 34	© TRG

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Unified Command Critical Threshold Reporting Criteria

Injury or Death

- OSHA/Greater than 1st Aid through Safety Officer

Significant change of status of the leaking tank

Shoreline Impact

Unplanned VIP visits en-route/planning/arriving

Adverse protest plans or interview requests

Confirmed wildlife impacts

Loss or breach of containment

Change in status of vessel

* - Air monitoring results onshore more than 50 ppm

* - Air monitoring results while afloat greater than 10% LEL while using supplied air

Upon loss of Inert Gas

ICS 204 - Assignment List			Area Of Operation: Water Assessment Group		
Incident Name: Morgan's Point Collision			Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]		
Operations Personnel					
Position	Name	Affiliation	Contact Number(s)	Work Shift	
Operations Section Chief		U.S. Coast Guard		Day Shift	
Operations Section Deputy		U.S. Coast Guard		Day Shift	
Operations Section Deputy		Gallagher Marine		Day Shift	
Water Assessment Group Supervisor		U.S. Coast Guard		Day Shift	
Resources Required					
Area Of Operation	Resource Type	Description	Quantity	Size	
Water Assessment Group	Manpower: Responder	USCG Spotter	1		
Water Assessment Group	Aircraft: Helo	Helo	1		
Assignments					
Conduct overflights with helo to determine MTBE on surface and impact visible from the air. Take GPS points for leading and trailing edge of slick periodically including georeferenced pictures.					
Communications					
Name / Function		Contact Details			
Tactical		83			
Aerial Assessment		22a			
Aerial Assessment		16			
Special Environmental Considerations					
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.					
Special Site-Specific Safety Considerations					
<p>All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to:</p> <p>Eye protection Hearing protection Safety shoes Fire Retardant Clothing when needed USCG approved PFD in boats and where a risk of drowning exists</p> <p>Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor</p>					
ICS 204 - Assignment List			Last Update By TRG Support At 03/11/2015 19:38 GMT -6:00		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/12/2015 06:17 GMT -6:00	Page 8 of 34		© TRG	

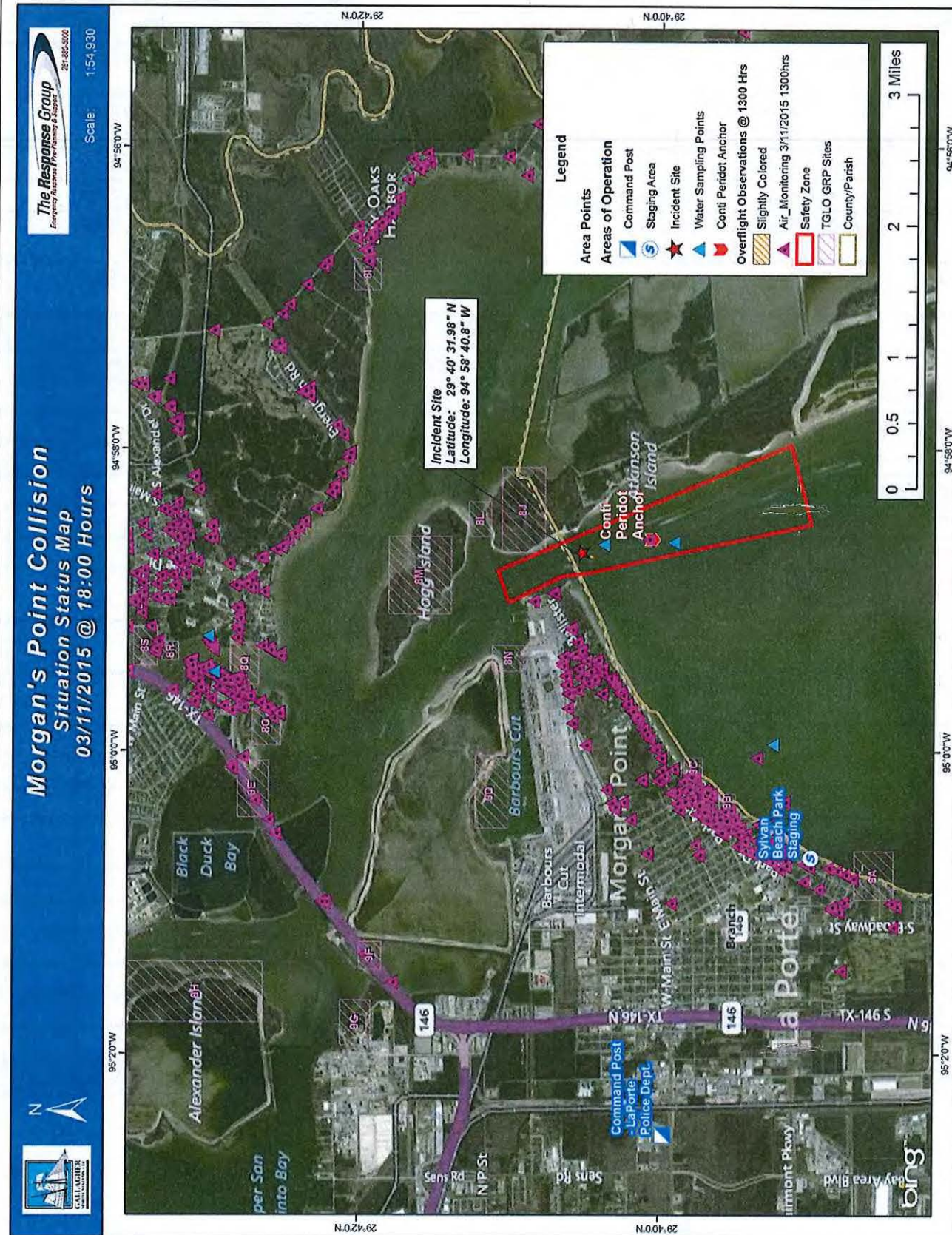
ICS 204 - Assignment List	Area Of Operation: Water Assessment Group
Incident Name: Morgan's Point Collision	Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

ICS 204 - Assignment List	Area Of Operation: Water Assessment Group
Incident Name: Morgan's Point Collision	Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

ICS 204 - Assignment List	Area Of Operation: Water Assessment Group
Incident Name: Morgan's Point Collision	Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

ICS 204 - Assignment List	Area Of Operation: Water Assessment Group
Incident Name: Morgan's Point Collision	Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Situation Map



ICS 204 - Assignment List	Last Update By TRG Support At 03/11/2015 19:38 GMT -6:00
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ICS 204 - Assignment List	Last Update By TRG Support At 03/11/2015 19:38 GMT -6:00
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ICS 204 - Assignment List		Area Of Operation: Salvage Group - Carla Maersk		
Incident Name: Morgan's Point Collision		Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]		
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		U.S. Coast Guard		Day Shift
Operations Section Deputy		U.S. Coast Guard		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Salvage Project Manager		Svitzer Salvage		Day Shift
Salvage Master		Svitzer Salvage		Day Shift
Fire Suppression TF Leader		IES		Day Shift
Salvage Group - Asst Safety Officer		U.S. Coast Guard		Day Shift
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Salvage Group - Carla Maersk	Deck Barge	Deck Barge	1 each	
Salvage Group - Carla Maersk	Tug	Tug	3 each	
Salvage Group - Carla Maersk	Vessel Crew	Vessel Crew	12 each	
Salvage Group - Carla Maersk	Manpower: Supervisor	Project Manager	1 each	
Salvage Group - Carla Maersk	Diver	Diver	5 each	
Salvage Group - Carla Maersk	Salvage Master	Salvage Master	2 each	
Salvage Group - Carla Maersk	Miscellaneous	Foam Totes (Solberg 1X3 2015 EPA)	9 each	
Salvage Group - Carla Maersk	Miscellaneous	Foam Totes (Solberg 1X3 2015 EPA)	9 each	
Salvage Group - Carla Maersk	ROV - Remotely Operated Vehicle	ROV - Remotely Operated Vehicle	1 each	
Salvage Group - Carla Maersk	Diving Equipment	Dive Spread	1 each	
Salvage Group - Carla Maersk	Dive Support Boat	Dive Support Boat	1 each	
Salvage Group - Carla Maersk	Pumps	2000 GPM	1 each	
Salvage Group - Carla Maersk	Miscellaneous	Foam Totes (Solberg 1X3 2015 EPA)	9 each	
Salvage Group - Carla Maersk	Pumps	2000 GPM	1 each	
Salvage Group - Carla Maersk	Fire Fighters	IES Techs	4 each	
Salvage Group - Carla Maersk	Fire Fighters	IES Techs	4 each	
Salvage Group - Carla Maersk	Fire Boat	Port of Houston Authority Fire Boat	1 each	
Salvage Group - Carla Maersk	Push Boat	Push Boat	1	
Salvage Group - Carla Maersk	Air Compressor	Wildon Air Pump	1	
Assignments				
ICS 204 - Assignment List		Last Update By TRG Support At 03/12/2015 06:05 GMT -6:00		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/12/2015 06:17 GMT -6:00	Page 10 of 34	© TRG	

ICS 204 - Assignment List

Area Of Operation: Salvage Group - Carla Maersk

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

If needed, use 4 IES techs to apply foam (Solberg 1X3 2015 EPA) for vapor suppression/control as vessel transit begins. If vapor suppression is successful, apply tarp to damaged area and reconvene for next phase. Pending 3/11 operations the following options will be considered for vessel transit.

1. Pumps will be in place if its necessary to spray inhibitor.
2. Utilize three tugs to transit the vessel to Barbers Cut.
3. Stage a stand by tug at the vessel overnight.
4. Maintain barge and push boat onsite with all salvage equipment.

Personnel Resources: 1 Project Manager, 2 Shore Coordinator, 4 Fire Team Members, 3 Salvage Team Members,
Equipment Resources: 3 - 6300 HP 75 Metric Ton Tug Boats, 12 - Tug Crew, 2000 gpm pumps, 3500 gpm pumps, Miko Magnets, Tarpaulines

Communications**Name / Function****Contact Details**

	m:
	m:
- Titan Salvage	m:
	m:
	m:
	m:
- USCG	m:
	m:
Salvage	320
USCG Rescue	21
	800 / Tac 1
Aerial Assessment	22

Special Environmental Considerations

Call 281-470-0000 to report any impacted fish or wildlife observed in the field.

Special Site-Specific Safety Considerations

All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE as detailed in the Site Safety Plan, Salvage Plan and Transit Plan. To include but not limited to:

Hard hats
Eye protection
Hearing protection
Safety shoes
Fire Retardant Clothing
Chemical suits when required
Chemical gloves when required
Respiratory protection when required
USCG approved PFD in boats and where a risk of drowning exists
Fall protection when required

Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.

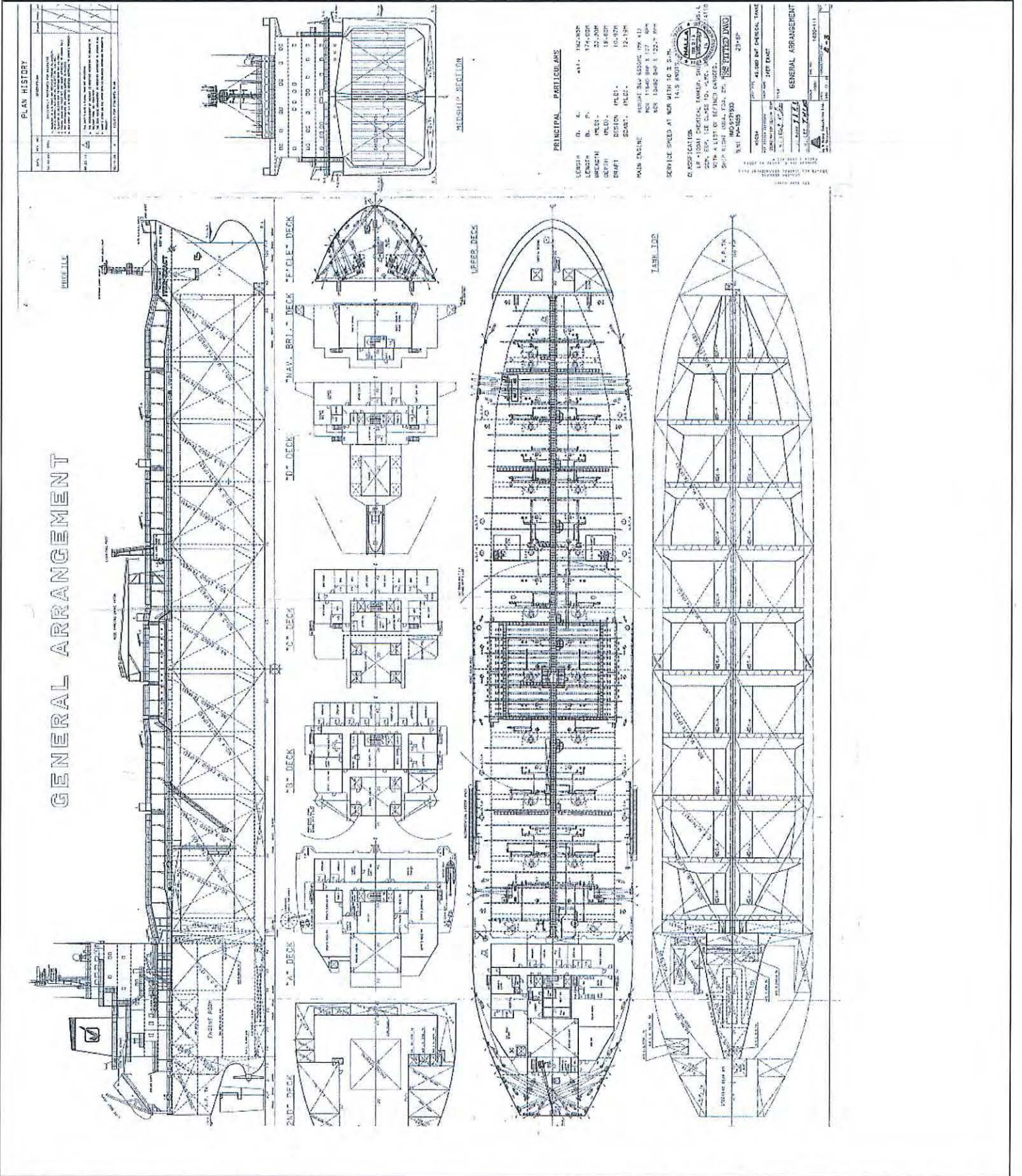
ICS 204 - Assignment List

Area Of Operation: Salvage Group - Carla Maersk

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]
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Schematic



ICS 204 - Assignment List	

Last Update By TRG Support At 03/12/2015 06:05 GMT -6:00

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DCA15MM017-003

ICS 204 - Assignment List			Area Of Operation: Wildlife Group	
Incident Name: Morgan's Point Collision			Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		U.S. Coast Guard		Day Shift
Operations Section Deputy		U.S. Coast Guard		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		Day Shift
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Wildlife Group	Manpower: Supervisor	Group Supervisor	1	
Wildlife Group	Wildlife Specialist	Wildlife Specialists	3	
Wildlife Group	Wildlife Trailer	Wildlife Trailer	1	
Wildlife Group	Small Boat	Small Boat	1	14 - 29 feet
Wildlife Group	Boat Operator	Boat Operator	1	
Assignments				
Activate Wildlife Response Services to recover and rehab impacted wildlife				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE.				
ICS 204 - Assignment List			Last Update By TRG Support At 03/11/2015 19:40 GMT -6:00	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/12/2015 06:17 GMT -6:00	Page 14 of 34	© TRG	

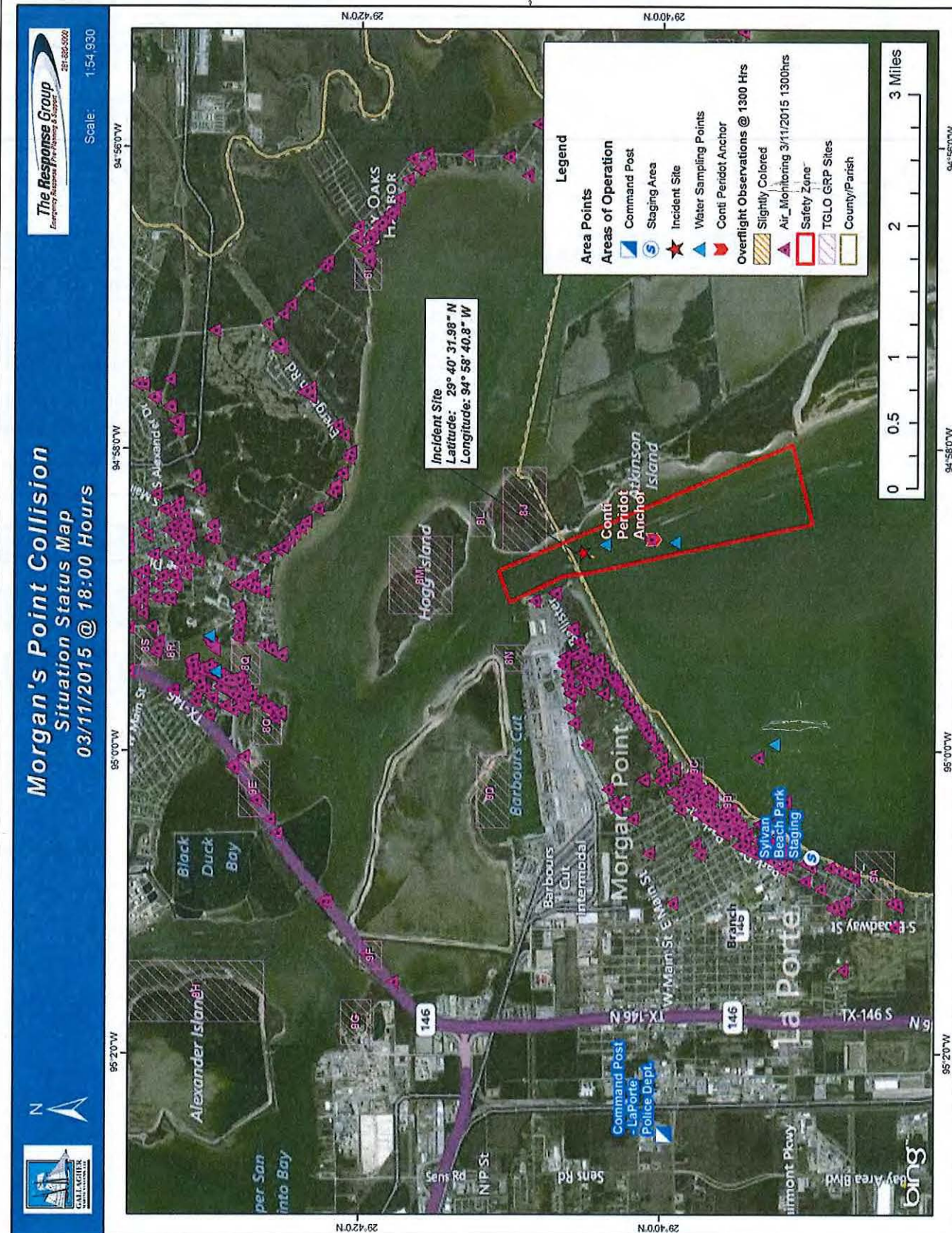
ICS 204 - Assignment List

Area Of Operation: Wildlife Group

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Situation Map



ICS 204 - Assignment List			Area Of Operation: Wildlife Recon Task Force	
Incident Name: Morgan's Point Collision			Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		U.S. Coast Guard		Day Shift
Operations Section Deputy		U.S. Coast Guard		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		Day Shift
WL Recon & Recovery TF Supervisor		Texas Parks and Wildlife		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Wildlife Recon Task Force	Manpower: Supervisor	Group Supervisor	1	
Assignments				
Texas Parks and Wildlife Dept will conduct recon and recovery of impacted wildlife and stabilize for transportation.				
Communications				
Name / Function		Contact Details		
		m:		
		m:		
Special Equipment / Supplies Needed for Assignment				
Report to Command post to receive badge and instructions.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
<p>All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to:</p> <p>Eye protection</p> <p>Safety Shoes</p> <p>USCG approved PFD in boats and where drowning risk exists.</p> <p>Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.</p>				
ICS 204 - Assignment List			Last Update By Gallagher Marine At 03/11/2015 10:21 GMT -6:00	
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ICS 204 - Assignment List			Area Of Operation: Wildlife Rehab Task Force	
Incident Name: Morgan's Point Collision			Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		U.S. Coast Guard		Day Shift
Operations Section Deputy		U.S. Coast Guard		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		Day Shift
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Wildlife Rehab Task Force	Manpower: Supervisor	Group Supervisor	1	
Assignments				
Wildlife Response Services will transport recovered impacted wildlife and rehabilitate as needed. Rehab Center is on stand-by at WRS Baytown Rehabilitation Center on Decker Rd.				
Communications				
Name / Function		Contact Details		
		m		
		m		
Special Equipment / Supplies Needed for Assignment				
Report to Command post to receive badge and instructions.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to: Eye protection Safety Shoes USCG approved PFD in boats and where drowning risk exists.				
Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.				
ICS 204 - Assignment List			Last Update By Gallagher Marine At 03/11/2015 10:22 GMT -6:00	
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ICS 204 - Assignment List		Area Of Operation: Marine Mammal/Sea Turtle TF Leader		
Incident Name: Morgan's Point Collision		Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]		
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		U.S. Coast Guard		Day Shift
Operations Section Deputy		U.S. Coast Guard		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Wildlife Group Supervisor		Wildlife Response Services LLC		Day Shift
Marine Mammal TF Leader		Wildlife Response Services LLC		
Sea Turtle TF Leader		Wildlife Response Services LLC		
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Marine Mammal/Sea Turtle TF Leader	Manpower: Supervisor	Group Supervisor	2	
Marine Mammal/Sea Turtle TF Leader	Small Boat	Small Boat	1	14 - 29 feet
Marine Mammal/Sea Turtle TF Leader	Boat Operator	Boat Operator	1	
Marine Mammal/Sea Turtle TF Leader	UTV	UTV	1	
Assignments				
<p>Sea Turtles: Conduct recon, recovery and rehabilitation of impacted sea turtles. Located in Galveston Lab</p> <p>Marine Mammals: Conduct recon, recovery and rehabilitation of impacted marine mammals. Located in Galveston Lab</p>				
Communications				
Name / Function		Contact Details		
		m		
		m		
		m		
		m		
Special Equipment / Supplies Needed for Assignment				
Report to Command post to receive badge and instructions.				
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
<p>All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to:</p> <p>Eye protection</p> <p>Safety Shoes</p> <p>USCG approved PFD in boats and where drowning risk exists.</p> <p>Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.</p>				
ICS 204 - Assignment List		Last Update By Gallagher Marine At 03/11/2015 10:23 GMT -6:00		
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ICS 204 - Assignment List			Area Of Operation: Water Sampling Group	
Incident Name: Morgan's Point Collision			Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]	
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		U.S. Coast Guard		Day Shift
Operations Section Deputy		U.S. Coast Guard		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Water Sampling Group Supervisor		CTEH		Day Shift
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Water Sampling Group	Manpower: Responder	Sampling Specialist	2	
Water Sampling Group	Small Boat	Small Boat	1	
Assignments				
<p>Continue water sampling with 1 team of 2 Sampling Specialist at the identified locations within the Sampling Analysis Plan.</p> <p>Team #1 -</p> <div style="background-color: black; width: 100px; height: 1.2em; display: inline-block;"></div> Team Leader <div style="background-color: black; width: 100px; height: 1.2em; display: inline-block;"></div> - Scientist Boat Operator - NRC <p>Equipment: 1 Small Boat 1 MultiRAE Water Quality Equipment 2 Handheld Devices</p>				
Communications				
Name / Function		Contact Details		
Water Assessment		83		
Special Environmental Considerations				
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.				
Special Site-Specific Safety Considerations				
<p>All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to: Eye protection Safety Shoes USCG approved PFD in boats and where drowning risk exists. Fire Retardant Clothing</p> <p>Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.</p>				
ICS 204 - Assignment List			Last Update By TRG Support At 03/11/2015 19:41 GMT -6:00	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/12/2015 06:17 GMT -6:00	Page 19 of 34	© TRG	

ICS 204 - Assignment List		Area Of Operation: Air Monitoring Group		
Incident Name: Morgan's Point Collision		Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]		
Operations Personnel				
Position	Name	Affiliation	Contact Number(s)	Work Shift
Operations Section Chief		U.S. Coast Guard		Day Shift
Operations Section Deputy		U.S. Coast Guard		Day Shift
Operations Section Deputy		Gallagher Marine		Day Shift
Monitoring Group Supervisor		CTEH		Day Shift
Air Monitoring Task Force Leader		CTEH		Day Shift
Air Monitoring Task Force Leader		CTEH		Night Shift
Air Monitoring Team		U.S. Coast Guard		Day Shift
Air Monitoring Team		U.S. Coast Guard		Day Shift
Air Monitoring Team		U.S. Coast Guard		Day Shift
Air Monitoring Team		U.S. Coast Guard		Day Shift
Resources Required				
Area Of Operation	Resource Type	Description	Quantity	Size
Air Monitoring Group	Safety Personnel	Toxicologist	1 each	
Air Monitoring Group	Supervisor	Project Manager - Day	2 each	
Air Monitoring Group	Manpower: Responder	Data Manager - Day	1 each	
Air Monitoring Group	Vehicle	Vehicles	10 each	
Air Monitoring Group	Equipment: Safety	MultiRAE	8 each	
Air Monitoring Group	Manpower: Responder	Sampling Scientist - Day	4 each	
Air Monitoring Group	Supervisor	Project Manager - Night	1 each	
Air Monitoring Group	Manpower: Responder	Sampling Scientist - Night	4 each	
Air Monitoring Group	Manpower: Responder	USCG - Night	1 each	
Air Monitoring Group	Equipment: Comms	Cell Phones	8 each	
Air Monitoring Group	Equipment: Safety	Gas Tech Pumps	5 each	
Air Monitoring Group	Equipment: Safety	Multi Rae Pro (USCG)	1 each	
Air Monitoring Group	Equipment: Safety	Area Rae (USCG)	1 each	
Assignments				
ICS 204 - Assignment List		Last Update By TRG Support At 03/11/2015 20:34 GMT -6:00		
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/12/2015 06:17 GMT -6:00	Page 20 of 34	© TRG	

ICS 204 - Assignment List		Area Of Operation: Air Monitoring Group	
Incident Name: Morgan's Point Collision		Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]	
<p>Provide community and worker air monitoring assessment in the area of the release, impacted areas, predicted trajectory of spilled material and areas that have reported odor complaints. Will conduct realtime streaming data and summary reports for Unified Command. MultiRae Systems are placed along Morgans Point, Shoreacres, LaPorte, Baytown, Beach City and results will be synchronized every 15 minutes with continuous data oversight. USCG Strike Team members will conduct night time on-water air monitoring on a contingency basis for 3/10/15. If an approved Salvage Plan is in place before the next operational period (Period 3) begins, one Strike Team member will be available for a 1 hour wake-up call no earlier than 3am on 3/11/15 due to fatigue limits.</p> <p>USCG Strike Member on stand by for wake up call:</p> <div style="background-color: black; width: 200px; height: 20px; margin-bottom: 10px;"></div> <p>Day Shift</p> <ul style="list-style-type: none"> 1 - Team Lead 4 - Sampling Scientists 1 - Data Manager 1 - USCG <p>Night Shift</p> <ul style="list-style-type: none"> 1 - Team Lead 4 - Sampling Scientists 1 - USCG <p>Equipment:</p> <ul style="list-style-type: none"> 10 MultiRae's 8 Vehicles 8 Cellphones 5 GasTech Pumps 1 Multi Rae Pro (USCG Strike Team) 1 Area Rae (USCG Strike Team) 			
Communications			
Name / Function		Contact Details	
<div style="background-color: black; width: 100%; height: 30px;"></div>		m <div style="background-color: black; width: 100%; height: 20px;"></div>	
		m <div style="background-color: black; width: 100%; height: 20px;"></div>	
Special Environmental Considerations			
Call 281-470-0000 to report any impacted fish or wildlife observed in the field.			
Special Site-Specific Safety Considerations			
<p>1.) All responders will follow the Site Safety Plan (ICS 208). Follow safe work practices and wear appropriate PPE. To include but not limited to: Community Monitoring, Eye protection, Safety shoes, Reflective vests/high visibility clothing, Utilize hazard lights on vehicles</p> <p>2.) On Water Monitoring: Hard hats, Eye protection, Safety shoes, USCG approved PFD in boats and where drowning risk exists, Fire Retardant Clothing, Respiratory protection when needed</p> <p>3.) Communication Device/(Cell phone or Radios) & Establish communication schedule with supervisor.</p>			
ICS 204 - Assignment List		Last Update By TRG Support At 03/11/2015 20:34 GMT -6:00	
INCIDENT ACTION PLAN SOFTWARE™	Printed 03/12/2015 06:17 GMT -6:00	Page 21 of 34	© TRG

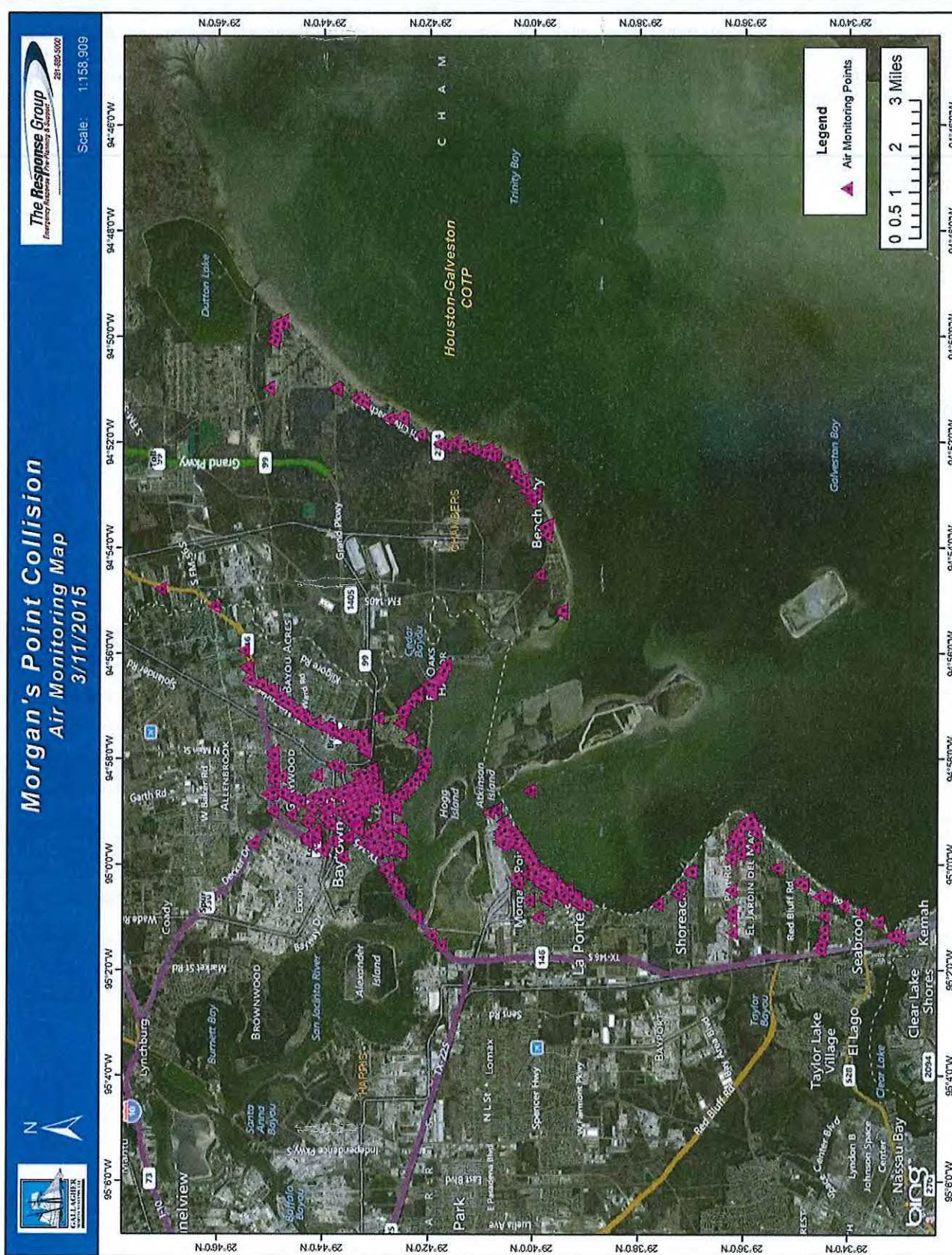
ICS 204 - Assignment List

Area Of Operation: Air Monitoring Group

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]
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Air Monitoring Map



ICS 204 - Assignment List	
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ICS 205 - Radio Communications

Version Name: Communications Plan

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Radio Channel Information

Ch #	Function	Channel Name/ Trunked Radio System Talkgroup	Assignment	Rx Freq N or W	Rx Tone/NAC	Tx Freq N or W	Tx Tone/NAC	Mode (A, D, or M)	Remarks
83	Water Assessment	USCG	Water Assessment Group						Will be used for Aerial Surveillance
22	Aerial Assessment	981RH Republic - Aerial Assessment	Water Assessment Group						POC Tillman see 205a
69	Natural resources	VH Channel 69	Decon Group						For water operations (Decon, booming, etc)
Tac 1		Port of Houston Fire Boats	Safety Zone Enforcement Group	800					Port of Houston Fire Tac 1
PHAP D		Port of Houston Police Department	Security Group						Security Patrols/Escorts
320	Salvage	Private VHS Network	Salvage Group - Carla Maersk						Will Monitor Ch. 16 for emergencies but Salvage Ops will use Private VHS Network
21	USCG Rescue	USCG Vessels - Rescue 21 Secure	Safety Zone Enforcement Group						Sector Command to Relay to USCG Vessels Closed Channel (281) 464-4853
	Salvage	Cell Phone	Salvage Group - Carla Maersk						see 205a
	Wildlife	Cell Phone	Wildlife Group						see 205a
	Air Monitoring	Cell Phone	Air Monitoring Group						see 205a
	Decon	Cell Phone	Decon Group						see 205a
	Staging	Cell Phone	Staging Areas						see 205a
	Tactical	Cell Phone	Water Sampling Group						see 205a
		Cell Phone	Command Post - LaPorte Police Dept.						

Special Radio Instructions

ICS 205 - Radio Communications

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DCA15MM017-003

ICS 205a - Communications List

Version Name: Communications Plan

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Local Communications Information

Name	Incident Assigned Position	Mobile Phone	Work Phone	Email	Notes
	Protection TF				
	ICS Specialist			@responsegroupinc.com	
an	Salvage Group				
	State OSC				
	ICS Specialist			@responsegroupinc.com	
	Air Monitoring TF Leader (Night)				
	Resource Unit Leader				
G	Air Monitoring (Water)				
	Water Sampling Group				
	Safety Officer				
	Air Monitoring TF Leader (Day)				
	Protection TF Leader				
	Air Monitoring Group				
	Water Sampling TF Leader				
	Situation Unit Leader				
	Salvage & Engrg Tech Specialist				
	Texas Parks and WL Dept				
	Air Monitoring TF (Night)				
	Finance Section Deputy				
	Legal Officer				
	Air Monitoring TF (Day)				
	Incident Commander				

ICS 205a - Communications List

Last Update By TRG Support At 03/12/2015 05:27 GMT -6:00

ICS 205a - Communications List

Version Name: Communications Plan

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Air Monitoring (Land)

Operations Section Deputy

Situation Unit Leader

Salvage Group Supervisor

Wildlife Rehab Center
Manager

Sea Turtles TF Leader

Operations Section IAP
Specialist

Air Monitoring (Land)

Planning Support

Water Sampling TF Leader

Air Monitoring TF (Night)

Public Information Officer

Operations Section
Administrative Assistant

Decon Group Supervisor

Logistics Section Deputy

Air Monitoring Safety (Day)

Air Monitoring TF (Night)

Operations Section Deputy

Planning Section Chief

Planning Section Deputy

Air Monitoring Data Manager

Documentation Unit Leader

Safety Officer

Air Monitoring TF (Night)

Salvage Damage Survey
Team

@responsegroupinc.com

@responsegroupinc.
com

@responsegroupinc.com

ICS 205a - Communications List

Last Update By TRG Support At 03/12/2015 05:27 GMT -6:00

ICS 205a - Communications List

Version Name: Communications Plan

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Salvage & Engrg Tech
SpecialistSalvage & Engrg Tech
SpecialistWildlife Recovery Group
Supervisor

Wildlife Group Supervisor

Logistics Section Chief

Staging Area Manager

Federal OSC

Air Monitoring TF (Day)

Finance Section Chief

Local Government OSC

Air Monitoring TF (Night)

Decon Group Supervisor

Air Monitoring TF (Day)

Air Monitoring TF (Day)

Air Monitoring (Water)

Local Government OSC

Air Monitoring Safety (Night)

Liaison Officer

Water Assessment Group

State OSC

Logistics Section Deputy

Environmental Unit Leader

Salvage Group

Air Monitoring TF (Day)

ICS 205a - Communications List

Last Update By TRG Support At 03/12/2015 05:27 GMT -6:00

ICS 205a - Communications List

Version Name: Communications Plan

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Marine Mammals TF Leader

Public Information Officer

Resource Unit Leader

Public Information Officer

Planning Section Deputy

Operations Section Chief

Operations Section Deputy

@responsegroupinc.com

Approved By

Logistics Section Chief:

Date: 3/12/15

ICS 205a - Communications List

Last Update By TRG Support At 03/12/2015 05:27 GMT -6:00

Medical Aid Stations

Name	Location Name	Paramedic On Site	Phone	Radio
------	---------------	-------------------	-------	-------

Transportation (Ground and/or Air Ambulance Services)
--

Ambulance Service	Location	Phone	Radio	Air	ALS
La Porte City Ambulance Service	La Porte	Ph1: (281) 471-9244		<input type="checkbox"/>	<input type="checkbox"/>
Skymed	La Porte	Ph1: (281) 842-1415		<input type="checkbox"/>	<input type="checkbox"/>
Bay Star Ambulance Service	Baytown	Ph1: (281) 422-7200		<input type="checkbox"/>	<input type="checkbox"/>
Enterprise Ambulance - Baytown	Baytown	Ph1: (281) 837-6262		<input type="checkbox"/>	<input type="checkbox"/>

Hospitals

Hospital	Location	Phone	Radio	Air Travel Time	Ground Travel Time	Trauma Center	Helipad	Burn Center
Bayshore Medical Center	4000 Spencer Hwy Pasadena, TX 77504 -95.1834 29.6652	Ph1: 713-359-1000		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Memorial Hermann Texas Medical Center	6411 Fannin Houston, TX 77030 -95.3968 29.7148	Ph1: 713-704-3700		min	min	II	<input type="checkbox"/>	<input checked="" type="checkbox"/>
University Of Texas Medical Branch Gal	301 University Boulevard Galveston, TX 77555 -94.7755 29.3111	Ph1: 409-772-1011		min	min	II	<input type="checkbox"/>	<input checked="" type="checkbox"/>
San Jacinto Methodist Hospital	4401 Garth Road Baytown, TX 77521 -94.9776 29.7692	Ph1: 281-420-8600		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Christus St John Hospital	18300 St John Drive Nassau Bay, TX 77058 -95.0851 29.5495	Ph1: 281-333-5503		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
St Luke's Patients Medical Center	4600 East Sam Houston Parkway South Pasadena, TX 77505 -95.1602 29.6408	Ph1: 281-487-0700		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>
Clear Lake Regional Medical Center	500 Medical Center Blvd Webster, TX 77598 -95.1276 29.5401	Ph1: 281-332-2511		min	min	II	<input type="checkbox"/>	<input type="checkbox"/>

Special Medical Emergency Procedures

Safety Officer: <div style="background-color: black; width: 250px; height: 30px; display: inline-block;"></div>	Date: 3/12/2015
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Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Approved By

Logistics Section Chief:

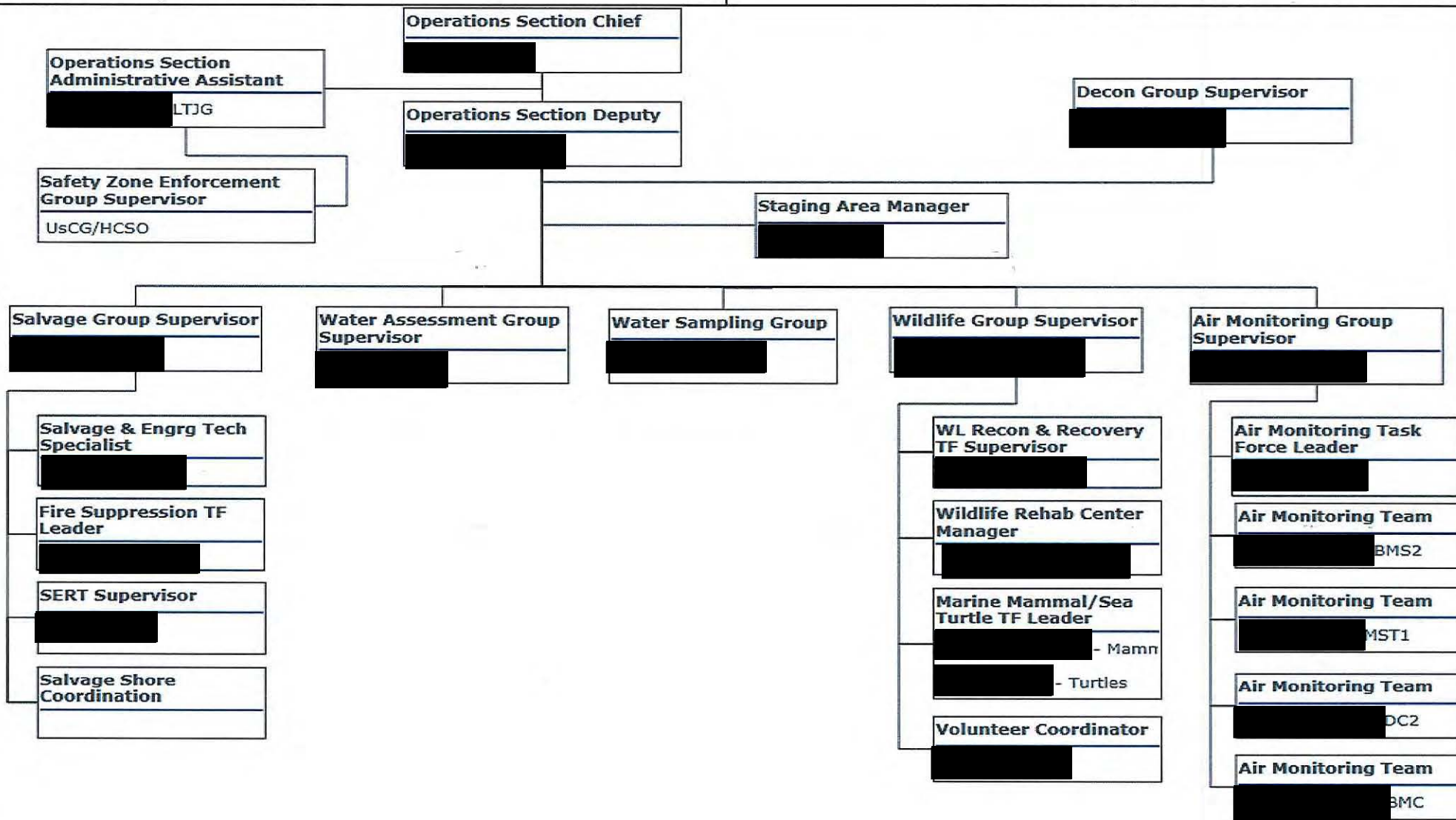
Date: 3/12/15

ICS 207 - Organization Chart

Version Name: 20150312_Period 4_Ops Section_Day Shift

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

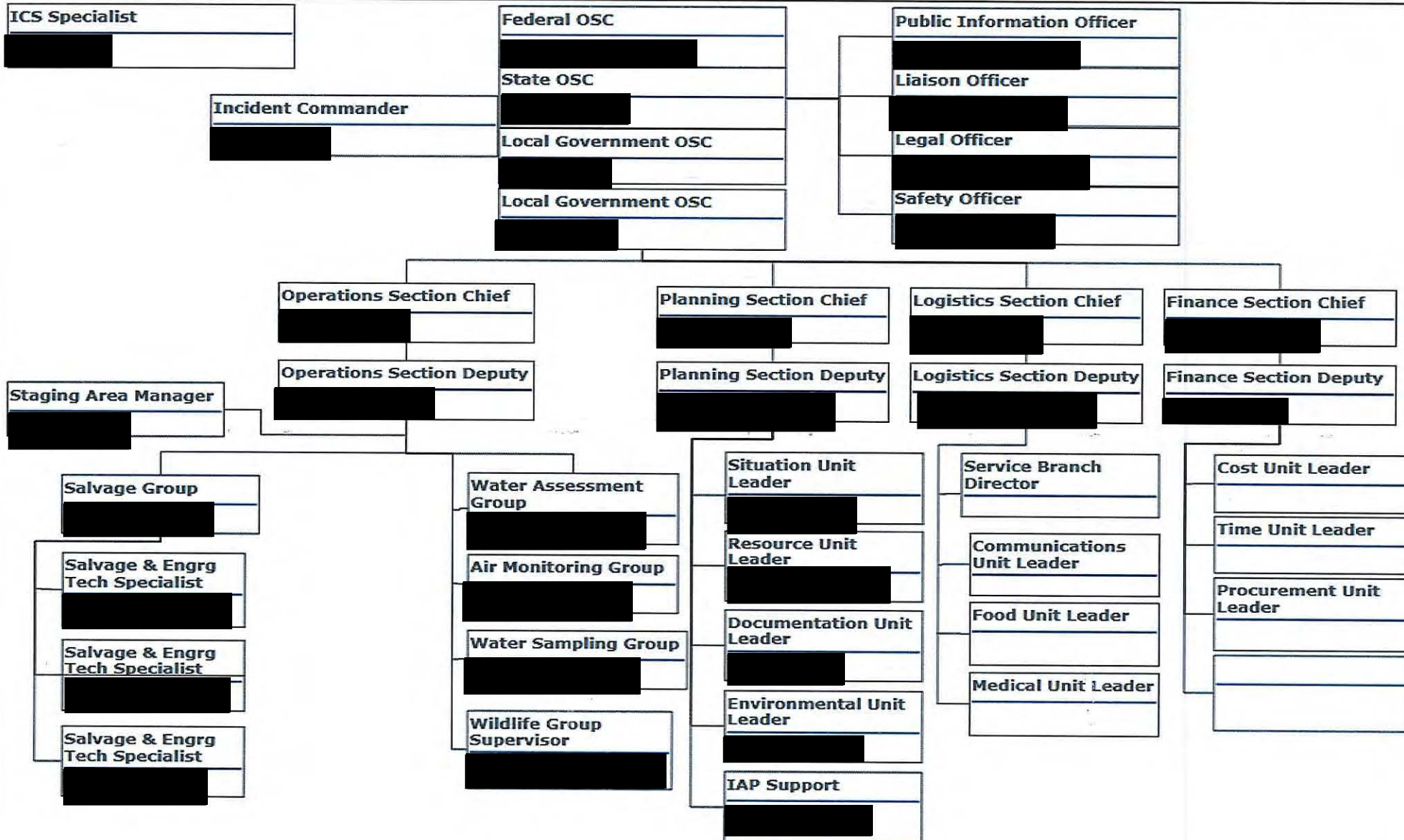


ICS 207 - Organization Chart

Version Name: 20150311_Overall_Period 4 Day_Shift

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]



ICS 208 - Site Safety Plan				Version Name: Site Safety Plan				
Incident Name: Morgan's Point Collision				Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]				
Applies to Site: All								
Site Characterization								
Water		Land		Weather				
Wave Height		Land Use		Air Temp		55.00 F		
Speed		0.3 kts		Wind Speed		9.00 mph		
Direction		E		Direction		NNW		
Site Hazards								
Yes	No	Hazards	Yes	No	Hazards	Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Boat Safety	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fire, Explosion, In-situ Burning	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chemical Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Heat Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cold Stress	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Helicopter Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Confined Spaces	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Lifting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Drum Handling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Motor Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Equipment Operations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Electrical Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhead/Buried Utilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Fatigue	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plants/Wildlife	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Air Monitoring Limits								
Oxygen Level		19.5% - 23.5%	Hydrogen Sulfide		N/A	Total Hydrocarbons		
LEL		1%	Benzene		N/A	MTBE		
Engineering Controls								
<input checked="" type="checkbox"/>	Source of release secured		<input type="checkbox"/>	Valve(s) closed		<input type="checkbox"/>	Energy sources locked/tagged out	
<input checked="" type="checkbox"/>	Site secured		<input type="checkbox"/>	Facility shut down				
Personal Protective Equipment Required								
<input checked="" type="checkbox"/>	Impervious suit		<input checked="" type="checkbox"/>	Flame resistant clothing		<input checked="" type="checkbox"/>	Eye protection	
<input type="checkbox"/>	Inner gloves		<input checked="" type="checkbox"/>	Hard hats		<input checked="" type="checkbox"/>	Personal flotation	
<input type="checkbox"/>	Outer gloves		<input checked="" type="checkbox"/>	Respirators		<input checked="" type="checkbox"/>	Boots	
Additional Control Measures Established								
<input type="checkbox"/>	Decontamination		<input checked="" type="checkbox"/>	Illumination		<input type="checkbox"/>	Additional stations established	
<input type="checkbox"/>	Sanitation		<input checked="" type="checkbox"/>	Medical surveillance		<input type="checkbox"/>	Facilities provided	
Work Plan								
<input checked="" type="checkbox"/>	Booming		<input type="checkbox"/>	Excavation		<input type="checkbox"/>	Hot work	
<input type="checkbox"/>	Skimming		<input type="checkbox"/>	Heavy equipment		<input checked="" type="checkbox"/>	Appropriate permits used	
<input type="checkbox"/>	Vac trucks		<input type="checkbox"/>	Sorbent pads				
<input checked="" type="checkbox"/>	Pumping		<input type="checkbox"/>	Patching				
Training								
<input checked="" type="checkbox"/>	Verified site workers trained per local/federal regulatory requirements			Training Requirements		OSHA HAZWOPER		
Organization								
Position	Name		Telephone/Radio		Position	Name		
Incident Commander	[REDACTED]		[REDACTED]		Safety Officer	[REDACTED]		
ICS 208 - Site Safety Plan								
INCIDENT ACTION PLAN SOFTWARE™				Printed 03/12/2015 06:18 GMT -6:00		Page 32 of 34		
Last Update By Gallagher Marine At 03/11/2015 08:57 GMT -6:00								
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ICS 208 - Site Safety Plan

Version Name: Site Safety Plan

Incident Name: Morgan's Point Collision

Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]

Deputy Incident
CommanderOperations Section
Chief

LCDR

Emergency Plan☐

Fire Prevention Plan

☐

Evacuation Plan

☐

Alarm System

☐

First Aid Location

Notifications

Facility

Phone

Facility

Phone

☒**Hospital**San Jacinto
Methodist Hospital(281) 420-
8600☒**Fire**LaPorte Fire
Department

(281) 471-3607

☒**Ambulance**

LaPorte EMS

911

☒**Law
Enforcement**LaPorte Police
Department

(281) 471-2141

☒**Air Ambulance**Memorial Hermann
Life Flight(713) 704-
4000☐**Emergency
Response/Rescu
e****Initial Briefing**☒

Initial safety briefing prepared for each site

Attachments/Appendices**Attachment****Filename**

MSDS - MTBE.pdf

MSDS - MTBE.pdf

107085-Morgan's_Point_TX_HASP_V1.1.docx

107085-Morgan's_Point_TX_HASP_V1.1.docx

Safety Officer:

Date:

3/12/2015

ICS 220 - Air Operations Summary				Version Name: ICS 220		
Incident Name: Morgan's Point Collision				Period: Period 4 [03/12/2015 07:00 - 03/13/2015 07:00]		
Sunrise		Sunset		Ready Alert Aircraft		
03/10/2015 07:37		03/10/2015 19:26		Medivac		
Remarks (safety notes, hazards, air operations special equipment, etc)				New Incident		
				Temporary Flight Restriction Number		
Personnel				Altitude 500		
Position	Name	Phone		Center Point		
Water Assessment Group Supervisor						
				Frequencies		
				Frequency / Function	AM	FM
				22 - 981RH Republic		
				83a		
Fixed-Wing Aircraft						
FAA N#	Category	Make/Model	Base	Available	Start	Remarks
Helicopters						
FAA N#	Category	Make/Model	Base	Available	Start	Remarks
	Aircraft: Helo	USCG Helo				
	Aircraft: Helo	Bell 206 B	Santa Fe, TX	03/10/2015 - 07:30		
Task / Mission / Assignment						
Function	Name of Personnel or Cargo or Instructions for Tactical Aircraft			Mission Start	Fly To	Fly From
					Incident Site	Air Station Houston
ICS 220 - Air Operations Summary				Last Update By TRG Support At 03/12/2015 05:29 GMT -6:00		
INCIDENT ACTION PLAN SOFTWARE™		Printed 03/12/2015 06:18 GMT -6:00		Page 34 of 34		© TRG

DCA15MM017-003

ENVIRONMENTAL UNIT
SAMPLING AND ANALYSIS WORK PLAN
MORGAN'S POINT COLLISION

03/09/2015

This incident-specific Sampling and Analysis Work Plan (SAP) was prepared on behalf of the Environmental Unit supporting Unified Command, to present the high level rationale and basis for the collection of samples to evaluate impacts as a result of the release of MTBE during the Morgan's Point Collision, Houston Ship Channel, near La Porte, Texas.

Prepared By:

██████████

Date: _____

Reviewed by IC:

Date: _____

Submitted by ENVL:

Date: _____

Reviewed by SOSC:

Date: _____

Approved by FOSC:

Date: _____

Approved by LOSC:

Date: _____

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APPENDIX A - FIGURES

1.0 INTRODUCTION AND PURPOSE

This Sampling and Analysis Work Plan (SAP) was prepared on behalf of the Environmental Unit supporting Unified Command, to present the high level rationale and basis for the collection of samples to evaluate impacts as a result of the release of MTBE during the Morgan's Point Collision, Houston Ship Channel, near La Porte, Texas. For the purpose of this SAP, water, and sediment are considered. Sampling and monitoring of air is covered under the Air Sampling and Analysis Plan (Air SAP), which has been prepared separately by the Safety Section and submitted under separate cover.

The specific objectives of the investigations and proposed sampling are discussed further in the site-specific sections presented herein; however, the main objectives in general are the collection of water and sediment samples to assist in the delineation of areas of potential impact and assess the need for and effectiveness of the containment and cleanup activities.

This SAP will officially be implemented after approval by Unified Command; however, in practice this SAP will be implemented immediately based on the recognized urgency to collect samples protective of human health and the environment.

2.0 HEALTH AND SAFETY

Site personnel will review and adhere to the site-specific Health and Safety Plan (HASP). Sampling will be conducted during daylight hours and under weather or other environmental conditions that do not create unsafe working conditions.

3.0 DATA QUALITY OBJECTIVES

The data collected during field activities will be used to assess potential exposures of members of the public and ecological receptors to constituents potentially related to the release of MTBE from the Morgan's Point Collision. Because changes in environmental conditions are possible during the response, this will be done by reporting on chemical constituents found in the environment at the time and location of sample collection.

A strategic planning approach based on scientific method will be employed for data collection activities providing a systematic procedure to ensure the type, quantity and quality of data used in decision-making will be appropriate for the intended application.

4.0 SURFACE WATER EVALUATION AND SAMPLING METHODOLOGY

4.1 Surface Water Monitoring

In order to determine that water quality is maintained for the duration of response activities, monitoring at each surface water sampling location may be conducted using a Horiba multi-parameter water quality meter, or equivalent. Surface water monitoring will be conducted daily (e.g., concurrent with sample collection) and will include the following parameters:

- Temperature (°C)
- pH (0-14 standard units)
- Conductivity (Siemens/meter)
- Dissolved Oxygen (milligrams/liter)
- Turbidity (NTU)

Visual observations will be made at each surface water sampling location and electronically noted using a hand-held data collection device or recorded in a log dedicated to this project.

The water quality meters in use on this project will be calibrated in accordance with the manufacturer's specifications.

4.2 Surface Water Sampling

Field teams, composed of CTEH® personnel, will be deployed with appropriate equipment and supplies to conduct surface water monitoring and collect surface water quality samples. All sampling will be documented in field notebooks, CTEH® field forms, or hand-held devices.

4.3 Methodology and Analysis

Surface water samples will be decanted directly into laboratory supplied sample containers and submitted to TestAmerica, Houston, TX, an accredited laboratory for laboratory analysis as presented in Table 1. Water quality parameters, including: temperature, pH, conductivity, dissolved oxygen, and turbidity may be recorded for each surface water sample.

4.4 Location, Frequency, and Duration

Surface water samples will be collected daily from established sample locations. Sample locations will be selected in the field based on input from UC and SCAT processes consistent with the IAP. The Unified Command may identify a number of high priority environmentally and socio-economically sensitive areas as defined in the ICS Form 232. The environmentally sensitive areas include marsh, wetland, and/or mud-flat locations where shorebirds may be present. High priority socio-economic locations include school sites and ferry landings. These may be determined based on visual and olfactory assessments. High Priority sites are listed below:

- Site 1
- Site 2

Based on the above-listed high priority sites, the following surface water sampling locations are currently being sampled:

<i>Location Code</i>	<i>Location Description</i>	<i>Latitude</i>	<i>Longitude</i>
<i>SH01</i>			
<i>SH02</i>			

Surface water samples will be collected daily for 3 days. Samples may be collected beyond or below this time at a frequency and duration determined by the appropriate stakeholders following review of the analytical data. No change to the sampling location, frequency, or duration will be made without approval from the appropriate regulatory agency.

5.0 WATER COLUMN EVALUATION AND SAMPLING METHODOLOGY

5.1 Rationale

Water column sampling will be done to determine whether MTBE constituents have emulsified, dispersed, or solubilized within the water column.

5.2 Methodology and Analysis

Water column samples will be decanted directly into laboratory supplied sample containers and submitted to TestAmerica for laboratory analysis as presented in Table 2. Water quality parameters, including: temperature, pH, conductivity, dissolved oxygen, and turbidity will be recorded for each water sample.

Samples will be collected using vessel borne sample teams using Kemmerer sample containers in accordance with applicable industry accepted SOPs. One sample will be collected at the surface, intermediate depth, and from the bottom for each sample location.

5.3 Location and Frequency

Water column samples will be collected daily from the following locations:

<i>Location Code</i>	<i>Location Description</i>	<i>Latitude</i>	<i>Longitude</i>
<i>WA01</i>			
<i>WA02</i>			

Additional, targeted locations may be added, if warranted. Coordinates will be recorded for each sampling location using a GPS unit with a horizontal accuracy of not less than one meter.

6.0 SEDIMENT SAMPLING METHODOLOGY AND SAMPLE DESIGN

6.1 Methodology

Sediment samples will be collected using a modified Van Veen type, self-tripping ponar sampling device (ponar). The overlaying water in the ponar sampling device will be carefully decanted off, and the resultant sediment will be transferred into a wide mouth soil jar utilizing disposable sampling tools and submitted for laboratory analyses. The coordinates for each sampling location will be surveyed using a handheld GPS unit. Each sample will be logged in a field notebook or hand held electronic data capturing device with the following information: sample location (general description and GPS coordinates) and identification number, soil description, and any unusual discoloration, staining, or odors.

6.2 Sample Design

6.2.1 Systematic Sampling Design

Initial sampling will be systematic in design conducted to document pre-impact conditions and subsequently delineate MTBE impacts to the environment related to this incident. Sampling may be conducted along the anticipated zone of impact based on NOAA landfall projections, with particular emphasis on the area most likely to be affected by the differences in sea level elevations between high and low tides (i.e., sensitive areas like marshes). Proposed sample locations include:

- Site 1
- Site 2

6.2.2 Targeted Sampling Design

Targeted sampling, if warranted, will be based on SCAT processes (i.e., targeted based on field observations) and will be coordinated through UC.

6.3 Location and Frequency

Sediment samples will be collected daily from the following locations:

<i>Location Code</i>	<i>Location Description</i>	<i>Latitude</i>	<i>Longitude</i>
<i>SE01</i>			
<i>SE02</i>			

Additional, targeted locations based on SCAT processes may be added, if warranted. Coordinates will be recorded for each sampling location using a GPS unit with a horizontal accuracy of not less than one meter.

7.0 SAMPLE HANDLING PROCEDURES

Samples will be placed in laboratory supplied sample containers, appropriate for the intended analysis, labeled with sample identification number, sample depth (for water column sampling), sampler name, sample date, analysis and methodology requested, and time of sample collection, and immediately placed in a cooler on ice pending laboratory analysis. Samples will be packaged, labeled, retained on ice, and documented in an area which is free of impact and provides for secure storage. Custody seals will be placed on each sample containing cooler, and chain-of-custody procedures will be maintained from the time of sample collection until arrival at the laboratory to protect sample integrity. Shipping or transporting of samples to the laboratory will be done within a timeframe such that recommended holding times are met. Hold times are summarized on Tables 1 thru 3.

8.0 PROJECT ORGANIZATION

This section provides information on project organization for the Sampling and Analysis Work Plan, identifying the roles and responsibilities of key personnel and project schedule.

8.1 Roles and Responsibilities

The project organization and the responsibilities of key personnel are defined below.

8.1.1 Unified Command (UC):

The UC will serve as the approver for this Sampling and Analysis Plan and will consist of representative made up from Responsible Party, United States Coast Guard (USCG), and TCEQ.

8.1.2 Sampling and Analysis Lead (SM lead):

The Sampling and Monitoring Lead is responsible for establishing project scope and objectives and for communicating the same to the contractor. The SM Lead is also responsible for identifying internal, regulatory, and procedural requirements pertinent to the work that may differ from accepted industry standards of work. The SM Lead is responsible for assuring that projects are properly staffed and is ultimately responsible for the technical direction and quality of the work. The SM Lead may talk with regulatory agencies regarding methodologies and requirements.

8.1.3 Technicians and Analysts:

Field staff and analysts are responsible for executing their work assignments in strict conformance to documented procedures and for the immediate identification of any conditions adverse to the quality performance of the work or work products. They are responsible for acquainting themselves with the technical requirements of any work assigned and to seek training or guidance as necessary to comply with those requirements. They are responsible for documenting their activities according to applicable

SOPs and reviewing their own work and the work of others presented to them for peer review. They will immediately cause work to cease on any activity that in their judgment does not meet applicable quality and safety standards, will appropriately document and report such conditions to management, and will be active in the resolution of any such conditions.

Specific responsibilities include the following:

- Ensure that all work is performed according to the applicable specifications;
- Ensure that QC measures are being carried out and documented;
- Ensure the quality of work and work products;
- Communicate QA and safety concerns to management.

9.0 SAMPLE LABELING

Sample containers will be clearly labeled with the following information:

- Unique sample identification;
- Sample Type (discrete or composite, sediment and/or soil samples only)
- Sample Interval (water samples only);
- Sampler name or initials;
- Date sample collected;
- Time sample collected; and
- Analysis to be performed.

The unique sample designation will include the following: two character sample task type, two digit day, two digit month, two letter matrix identifier, two character numerical designation, and QA sample designation, as appropriate. The sample task type may be DZ (vessel decontamination zone), SE (sediment), WA (water column), SH (shoreline sampling), and PR (product recovery). The matrix identifier will be SW (surface water), IW (intermediate depth water), DW (deep water), SE (sediment), SC (source sampling), and BP (beach product sampling) and WP (water product sampling). Acceptable QA designations include MS (1 in 20 by media), MSD (1 in 20 by media), and RB (rinsate blank) only when using non-dedicated sampling equipment, and DUP (duplicate) (1 out of 10 samples by media). For vessel decontamination zone samples, an identifier will be placed at the end of the sample to denote sample location in comparison to decontamination zone location ('C' will denote sample collected from within boom containment, 'U' will denote sample collected from upstream of vessel decon zone, and 'D' will denote sample collected from downstream of vessel decon zone).

For example, a sediment sample collected on March 29 for the vessel decontamination zone sampling task at the upstream portion of sample location #01 would have a sample nomenclature of: DZ0329SE01U.

10.0 LABORATORY ANALYSES

Samples will be transported to TestAmerica, Houston, TX, depending on the intended purpose of the collected sample. TestAmerica will receive environmental media samples to establish concentrations while the other labs will receive samples intended for forensic fingerprint analysis. All labs used for this incident will meet National Environmental Laboratory Accreditation Conference (NELAC) certification as necessary. Samples will be submitted to the applicable laboratory for analyses for MTBE constituents for one or more of the analytical test methods listed in Tables 1 thru 3. Analytical methods, hold times, sample containers, and preservation, are summarized in Tables 1 thru 3.

11.0 QUALITY ASSURANCE

Sampling will be carried out in conjunction with a well defined quality assurance (QA) program. The goal of the field QA program is to document that samples are collected without the effects of accidental cross- or systematic contamination and refers to the sampling, analysis, and data validation procedures for generating valid and defensible data. To provide QA for the proposed sampling event, the following sampling, analysis, and data validation procedures will be performed:

11.1 Field Calibration

Instruments used in the field as part of this sampling event are anticipated to consist of YSI water quality meters, GPS units, digital cameras, and handheld data collection devices such as tablets/smart phones. YSIs will be calibrated daily. Other equipment is not are not anticipated to require field calibration. Operators of each piece of equipment are responsible for maintaining (including proper battery charge) and operating this equipment such that it conforms to each respective manufacturer's specifications.

11.2 Field Duplicate Sample

For approximately every ten samples collected in the field, one field duplicate will be collected and submitted for laboratory analyses to verify the reproducibility of the sampling methods. Field duplicates will be prepared by separately submitting an aliquot from the same sample location to the laboratory for analysis consistent with the proscribed analyses. The submitted duplicate will be submitted such that the laboratory is not aware that it is a duplicate (i.e., the sample ID will not identify it as a "duplicate" for any specific sample location). At least one field duplicate will be collected each day that samples are collected.

11.3 Field Split Samples

Field split samples refer to samples collected by the regulatory agency or its designee from the same sampling location and independently submitted to a different laboratory for analysis. Field split samples may be collected at the discretion of representatives of the regulatory agency or Unified Command.

11.4 Laboratory QA

Laboratory quality control procedures will be conducted in a manner consistent with relevant State and federal regulatory guidance. Deliverables will contain the supporting documentation necessary for data validation. Internal laboratory quality control checks will include method blanks, matrix spikes (and matrix spike duplicates), surrogate samples, calibration standards, and laboratory control standards (LCSs).

11.5 Matrix Spike/Matrix Spike Duplicate Sample

Matrix Spike/Matrix Spike Duplicate (MS/MSD) samples refer to field samples spiked with the analytes of interest prior to being analyzed at the laboratory to gauge the quality of analysis. Approximately one in twenty samples will be analyzed as MS/MSD samples.

11.6 Data Validation

Validation of the data generated by the laboratory performing the analyses will include at a minimum sample holding times, accuracy, precision, contamination of field generated or laboratory method blanks, and surrogate compound recovery. Accuracy will be determined by evaluating LCS and MS recovery. Precision will be determined by evaluating laboratory and field duplicate samples.

12.0 DECONTAMINATION PROCEDURES

Decontamination procedures refer to the steps undertaken to minimize the potential for offsite contamination and cross-contamination between individual sampling locations. Prior to collecting any sample for this release the following decontamination procedures will be undertaken: non-disposable sampling equipment such as Kemmerer water sampling devices which come into contact with sampling media will be decontaminated using a bristled brush and a solution comprised of a laboratory grade, non-phosphate detergent (e.g., Alconox or Liquinox) and deionized water. Depending on ancillary activities being conducted for the response to this release, the decontamination of sampling equipment will be conducted over poly sheeting at the sample location or in a nearby designated area. The sampling equipment to be decontaminated will first be placed in a bucket containing the detergent solution and thoroughly washed using a bristled brush. The items will then be transferred to the second 5-gallon bucket containing deionized water for rinsing. Following the initial rinsing, the item will be held over the third 5-gallon bucket while deionized water is carefully decanted over each item. Decontaminated items will be wrapped in clean aluminum foil for transit to the next sampling location.

Nitrile gloves will be worn by sampling personnel and changed between activities at each discrete sample collection location. Previously worn nitrile gloves will be discarded in appropriate waste receptacles with other PPE.

13.0 WASTE DISPOSAL

The method for storage and disposal of investigative derived waste materials will comply with applicable local, state and federal regulations.

14.0 DATA ANALYSIS

To assess the potential impact from contact with MTBE the results of sampling will be reviewed for the presence/absence of these compounds, and should they be found, the concentrations of these parameters relative to appropriate regulatory standards. The results of laboratory analyses will be provided to UC.

15.0 RECORDS MANAGEMENT

Records management refers to the procedures for generating, controlling, and archiving project-specific records and records of field activities. Project records, particularly those that are anticipated to be used as evidentiary data, directly support current or ongoing technical studies and activities, and provide historical evidence needed for later reviews and analyses, will be legible, identifiable, retrievable and protected against damage, deterioration, or loss on a centralized electronic database. Handwritten records will be written in indelible ink. Records will likely include, but are not limited to, the following: bound field notebooks on pre-numbered pages, sample collection forms, personnel qualification and training forms, sample location maps, equipment maintenance and calibration forms, chain-of custody forms, maps and drawings, transportation and disposal documents, reports issued as a result of the work, procedures used, correspondences, and any deviations from the procedural records. Documentation errors will be corrected by drawing a single line through the error so it remains legible and will be initialed by the responsible individual, along with the date of change, and the correction will be written adjacent to the error.

Records will be maintained in accordance with the document retention policy established for this incident.

TABLE 1 –SURFACE WATER SAMPLING SUMMARY

ANALYSIS	METHOD	SAMPLE CONTAINER	PRESERVATIVE	HOLD TIME
MTBE	8260b	2 x 40 mL VOA vials	HCL to pH < 2; Ice, maintained at 0-6°C	7 days preserved; 14 days unpreserved

TABLE 2 –WATER COLUMN SAMPLING SUMMARY

ANALYSIS	METHOD	SAMPLE CONTAINER	PRESERVATIVE	HOLD TIME
MTBE	8260b	2 x 40 mL VOA vials	HCL to pH < 2; Ice, maintained at 0-6°C	7 days preserved; 14 days unpreserved

TABLE 3 –SEDIMENT SAMPLING SUMMARY

ANALYSIS	METHOD	SAMPLE CONTAINER	PRESERVATIVE	HOLD TIME
MTBE	8260b	1 x 4oz soil jar	Ice, maintained at 0-6°C	7 days preserved; 14 days unpreserved

Morgan's Point Collision
WILDLIFE MANAGEMENT PLAN – March 11, 2015

I. Initial Wildlife Response Priorities – Notifications have been made. Information has been shared with state and federal agencies through Unified Command. Initial consultation activities have commenced. Wildlife response activities will be conducted in a safe and healthful manner in accordance with the Incident Safety Plan, and approval by the Incident Safety Officer.

II. Authority

A. Decisions Concerning a Wildlife Response

1. Federal and State wildlife personnel have authority over birds, marine mammals, sea turtles, other endangered and threatened species or their designated critical habitats, and other wildlife related response decisions. Coordination and consultation regarding species listed under the Endangered Species Act should follow procedures outlined in the Interagency Memorandum of Agreement Regarding Oil Spill Planning and Response Activities Under the Federal Water Pollution Control Act's National Oil and Hazardous Substances Pollution Contingency Plan and the Endangered Species Act.
2. The On-Scene Coordinator consults with the U.S. Fish and Wildlife Service (USFWS) and state agencies when there is a possibility of impact to migratory birds and other wildlife. Appropriate response measures will be determined by the Unified Command, including federal and state stakeholders.
3. The On-Scene Coordinator consults with the USFWS, National Oceanic and Atmospheric Administration (NOAA)-National Marine Fisheries Service (NMFS) and state agencies when there is a possibility of impact to sea turtles on land. The On-Scene Coordinator consults with the NMFS and state agencies when there is a possibility of impact to sea turtles in the water. Appropriate response measures will be determined by the Unified Command, including federal and state stakeholders.
4. The On-Scene Coordinator consults with NMFS when there is a possibility of impact to marine mammals and other marine wildlife, with the exception of manatees which require discussion with USFWS. Appropriate response measures will be determined by the Unified Command, including federal and state stakeholders.

III. Organization - Unified Command will be used to coordinate with local natural resource trustees (see Appendix 1 – Contact list).

A. Planning

1. Wildlife operations planning will be accomplished by the Wildlife Branch and coordinated with the activities of the Environmental Unit by the Wildlife Branch Director.
2. All wildlife response related activities will be included in the Incident Action Plan (IAP) by the Planning Section.

B. Wildlife Branch Director will:

1. Coordinate with the Environmental Unit within Planning Section on the identification of sensitive areas, wildlife-at-risk and recommend response priorities. These data will then be used to assist the deployment of field assets and establishment of animal care facilities.
 - a) It is important to determine wildlife distribution and abundance in the area as soon as possible.

- b) Protecting sensitive areas from impact and deterring non-impacted wildlife, when possible, from polluted areas is high priority. These two actions will help shorten the wildlife response efforts.
2. Identify daily objectives and performance metrics (i.e. # animals handled, # volunteers) to be used to assess reconnaissance, recovery, hazing, and rehabilitation capability.
3. Provide daily reporting to Unified Command on progress against objectives and need for resources.
4. Wildlife Response Services, LLC (WRS) has been contracted for the wildlife rehabilitation of birds. The Texas Marine Mammal Stranding Network (TMMSN) will be activated to respond to and recover live and dead stranded marine mammals and rehabilitate live stranded marine mammals when appropriate and authorized by NOAA-NMFS. National Marine Fisheries Sea Turtle Program will be used to respond to affected sea turtles.
5. Collection of birds and other wildlife and associated rehabilitation activities will be conducted as authorized by migratory bird permits issued to Wildlife Response Services. All appropriate permits are in place for Texas. All endangered bird species are covered under this permit.
6. Collection and care of potentially impacted marine mammals and sea turtles that are stranded will be conducted by individuals and organizations identified by (and holding appropriate authorization and permits from) NMFS, USFWS and the state. A deputy wildlife branch director may be activated to assist in management of NMFS operations if the wildlife branch director needs administrative and logistical assistance for these species.

IV. Operations

A. Wildlife Response as Authorized by Federal & State Agencies

1. All wildlife related activities will be managed under the Wildlife Branch of the Operations Section.
2. Wildlife response activities will be coordinated with the Environmental Unit and communicated through the Situation Unit to maintain an effective flow of information.

B. Responsibilities as Authorized by Federal & State Agencies

1. Minimize wildlife losses during spill response.
2. Oversee activities of wildlife contractor(s).
3. Coordinate over-flights and ground reconnaissance of wildlife at spill site and report to Situation Unit Leader and Wildlife Branch Director (see Organization Charts in IAP).
4. Confirm protocol as directed by the USFWS and NMFS for collecting and documenting impacted birds, small mammals, marine mammals, and sea turtles (i.e., Chain of Custody form). Necropsies will be performed on marine mammals according to approved NMFS guidelines by authorized personnel. If significant numbers of carcasses are collected, it may be necessary to obtain a large freezer and generator.
5. Necropsies and sample collection will be performed on marine mammals by authorized personnel as part of the response effort according to approved NMFS guidelines. Necropsy and sampling of large or remotely stranded marine mammals, may need to occur at the site of the stranding if long-term storage/removal of carcasses is logistically unfeasible. In these circumstances, sampling and evaluation must follow approved NMFS Guidelines.
6. Carry out hazing measures as authorized by Federal and State agencies in the IAP.

7. Oversee recovery and rehabilitation of impacted animals. Where impacted wildlife may be located within sensitive habitat, decisions may be made to not collect the animal to protect the habitat. Special measures may be taken to collect and recover individuals of threatened or endangered species or protected marine mammals.
8. Assist in identifying and maintaining appropriate and approved wildlife rehabilitation centers.
9. Assure that evidence tagging, transportation, veterinary services, evidence storage and other support are maintained at the appropriate level.

V. Field Operations

1. Identify possible hazing techniques (based on species, location, and logistics). Deploy equipment as identified in the IAP after authorization.
2. Carcass collection will be carried out concurrently with other field operations. This activity will be done in accordance with the chain of custody requirements. Birds may be stored for later evaluation, but gross necropsies and sample collection will be performed on marine mammals as part of the response effort according to approved NMFS guidelines by authorized personnel.
3. Implement field teams to monitor and/or capture impacted wildlife.
 - Identify retrieval needs and identify available personnel (agency +/- contractor support).
 - Assign teams to existing operational divisions
 - Request needed logistical support (boats, nets, etc)
 - Field team deployment will expand / contract based on field recon and survey information as well as trustee priorities (species status / listing; breeding locations).
4. Transport.

Transport of impacted birds will be managed by Wildlife Response Services from Texas Parks and Wildlife Department (TPWD) field teams to the WRS Baytown Rehabilitation Facility.

TMMSN will transport live marine mammals per their normal operating procedures to their Galveston Rehabilitation Center (located on NOAA Galveston Lab), when appropriate and authorized by NMFS SE Region Stranding Coordinator. Dead marine mammals will either be examined/necropsied/sampled in-situ (see above) or transported to the TMMSN facility in Galveston for full necropsy/sampling per the approved NMFS guidelines.
5. Communication.

Request assistance from communications unit to incorporate wildlife operations communication needs into the response efforts; identify radio needs.
6. Reporting and Coordination

The primary input mechanism for the public to report affected wildlife is via the incident hotline at 281-470-0000 (leave a message which will be documented and reported to the Wildlife Branch). Identify additional resources required to manage the hotline if calls become overwhelming. Hotline calls will be answered and a message taken. Message will be delivered to the Recon & Recovery Unit Leader who will notify the appropriate field team. All reports of stranded marine mammals should be passed on to the TMMSN at 1-800-9-MAMMAL.
7. Transportation – Various modes of transportation should be set up through the Logistics Section. This may include vans, trucks, trailers, airboats, flat bottom boats, etc.

VI. Wildlife Rehabilitation Centers

A. Birds

1. An avian rehabilitation facility is on stand-by. This warehouse facility and wash trailer have adequate water and electricity to meet requirements to care for affected wildlife. This facility has an open floor plan to arrange pens and house wildlife as well as supplies to care for the animals. The address for the avian care facility is:

WRS Oil Spill Response Base, located at Phoenix Pollution Control and Environmental Services Inc. warehouse– currently in stand-by status with capability for immediate activation.

7111 Decker Dr., Baytown, TX 77520. Phone: 281-838-3400 (M-F); 24 Hour Response Hotline: 713-705-5897.

2. Security: The avian facility is secure with a monitor fence and cameras around the perimeter. No security guard requested at this time.
3. Mobile wildlife response trailers are located on site and are equipped with on-demand hot water systems, wash tables, collapsible tables for use in examining and arranging supplies, as well as various sizes of portable kennels.
4. Wildlife recovery teams and wildlife rehabilitation staff must wear proper Personal Protective Equipment (PPE) (including gloves, Tyvek™, safety glasses, and rubber boots as well as a Personal Flotation Devices (PFD) if in boats and/or near water. Other PPE as determined by the Safety Officer.
5. Global Positioning System (GPS) system is necessary to mark locations of both live and deceased wildlife.
6. Deceased animal collection protocol agreed with state and federal agencies will be followed.

B. Marine Mammal and Turtle Locations

Facilities must be organizations within the TMMSN or the National Marine Fisheries Sea Turtle Program, and hold appropriate authorization and permits to care for the species in question. **Stranded, injured, or affected marine mammals will be cared for at the TMMSN Rehabilitation Center at the NOAA Galveston Lab: 4700 Avenue U., Galveston TX, 77551.**

1. Set up 24 hour security plan as provided by TMMSN.
2. Wildlife recovery teams must wear proper PPE (including gloves, Tyvek™, safety glasses, and rubber boots and PFD if in boats and/or near water). Other PPE as determined by the Safety Officer.
3. GPS system is necessary to mark locations of both live and dead wildlife.
4. The NMFS "Marine Mammal Oil Spill Response Guidelines" will be followed in responding to and sampling all marine mammals in the designated spill area and caring for all live affected mammals.
5. Appropriate impacted turtle guidelines will be developed by consulting experts, and will be followed for caring for all affected sea turtles. **Contact [REDACTED] at 409-771-28-93 or 409-766-3671.**

C. Volunteers

1. If the incident has significant wildlife impact the use of volunteers may be necessary. This will be approved through Unified Command. Any marine mammal volunteers must be also approved through the TMMSN.

D. Supplies

1. Wildlife contractors and marine mammal/sea turtle stranding network members maintain a limited quantity of medical supplies, capture equipment, and PPE to assist with animal capture and care. Additional equipment and supplies will need to be ordered through the Logistics Section and delivered to the rehabilitation center(s) in a timely manner once a requisition is submitted.

1. The rehabilitation centers should be provided with a supply of Tyvek™, gloves, sun block, insect repellent and other appropriate resources for the recovery and rehabilitation teams as this is the usual place for those contractors to gather for morning and evening planning and de-briefing meetings.

E. Support

1. Designated areas within the rehabilitation center shall be established to take breaks, to have meals, and to attend to administrative tasks. If restroom facilities are not located within the facility, portable facilities need to be provided. Because the task of caring for oil impacted animals is time intensive, arrangements will need to be made to have food for responders ordered and delivered to the rehabilitation facility(s).
2. Decontamination of workers and equipment will be managed as identified in the Waste Management Plan.

F. Waste & Oiled Carcass Disposal

1. Adhere to Federal, State, and municipal regulations when disposing of both contaminated wastewater and gray water. Wastewater refers to wildlife wash water, rinse water, and pool overflow water. The Responsible Party (RP) will be responsible for the proper disposal of contaminated wastewater. Need to set up totes or tanks for holding waste water at rehabilitation center(s).
2. Solid waste must be disposed of in accordance with appropriate Federal, State, and/or local hazardous waste, municipal solid waste, and/or biological waste laws and regulations. Solid waste means soiled Tyvek™, gloves, towels, sheets, and syringes. The RP will be responsible for the proper disposal of contaminated solid waste. Need to set up roll-off and/or dumpsters at all rehabilitation centers.
3. Disposal of bird, mammal and sea turtle carcasses will take place under the direction of the appropriate state and federal agency(s). As mentioned previously, some marine mammals may need to be necropsied and sampled at the stranding site. Disposal of the carcass post-sampling will be coordinated through the appropriate agencies. Freezer(s) will be required for carcass storage.

G. Wildlife Rehabilitation and Release Criteria

1. Birds and other wildlife: The wildlife contractor prepares and carries out the release plan after consultation with the appropriate wildlife trustees.
2. Marine Mammals and Sea Turtles: Animals will be released upon meeting pre-established release criteria (e.g., Marine Mammal Health and Stranding Response Program Policies and Best Practices – Standards for Release http://www.nmfs.noaa.gov/pr/pdfs/health/release_criteria.pdf), placement of permanent

identifying markings, completion of appropriate Stranding Reports, and authorization by NMFS or USFWS as appropriate.

H. Records

1. All final reports maintained by the wildlife response team for the impacted bird response are to be delivered to the USFWS and TPWD within 30 days of the date the Federal On-Scene Coordinator (FOSC) declares the response closed or from the departure of the wildlife response team, whichever comes first.
2. For stranded marine mammals and sea turtles, official stranding reports must be completed for each animal collected, and should be forwarded to the National Marine Fisheries Sea Turtle Program Stranding Coordinator [REDACTED]@noaa.gov, TMMSN Coordinator [REDACTED]@tmmsn.org and the Wildlife Branch Director as quickly as feasible after disposition.
3. Daily reports from the bird rehabilitation center are to be sent each evening at end of day to:
Finance Manager – ([REDACTED]) – Gallagher Marine Systems, LLC – [REDACTED]@chgms.com; **Wildlife Branch Director** ([REDACTED]) – WRS) – [REDACTED]@wildliferesponse.net; **TPWD Regional Biologist** ([REDACTED]) – [REDACTED]@tpwd.texas.gov; **TPWD Natural Resource Specialist** ([REDACTED]) – [REDACTED]@tpwd.texas.gov; **TPWD NRDA Specialist** ([REDACTED]) – [REDACTED]@tpwd.texas.gov; **TPWD Biologist – Team Lead** ([REDACTED]) – [REDACTED]@tpwd.texas.gov; and for documentation purposes copy the following address – morganspointcollision@gmail.com.
4. Daily reports (including intake logs) from all marine mammal rehabilitation and necropsy centers are to be sent each evening to the Wildlife Branch Director (or his/her deputy if one assigned to direct NMFS operations), [REDACTED]@noaa.gov and [REDACTED]@tmmsn.org
5. Daily reports from all sea turtle rehabilitation and necropsy centers are to be sent each evening to the Wildlife Branch Director (or his/her deputy if one assigned to direct NMFS operations), [REDACTED]@noaa.gov and [REDACTED]@nps.gov.

This wildlife plan follows procedures as set forth by USFWS document "Best Practices for Migratory Bird Care During Oil Spill Response" (November 2003) and NMFS document "Marine Mammal Oil Spill Response Guidelines" (12/19/07)

[REDACTED]
[REDACTED]
U.S. Fish & Wildlife Service

[REDACTED]
[REDACTED]
Texas Parks & Wildlife Department

[REDACTED]
[REDACTED]
Planning Section Chief

[REDACTED]
[REDACTED]
NOAA

Appendix 1

Key Contacts List

- **Federal Agency – U.S. Fish & Wildlife Service (USFWS) –**

Texas, notify Ecological Services Field Office (Office #: 281-286-8282 or [REDACTED] Cell #: [REDACTED]). If concern of shoreline impact exists, [REDACTED] will notify wildlife refuge personnel.

- **State Agency – Texas Parks & Wildlife Department (TPWD) -**

Texas Parks & Wildlife Kills & Spills Team Regional Office at 281-842-8100 or Region 3, [REDACTED] Cell-[REDACTED]. If potential for shoreline impact exists [REDACTED] will notify wildlife management area personnel.

- **Federal Agency – National Oceanic and Atmospheric Administration (NOAA) –**

Texas – Notify District 8 Duty Phone ([REDACTED]) or NOAA SSC District 8, [REDACTED]. SSC will pass notifications to appropriate programs and personnel within NOAA.
Alternate contact: Marine Mammals – Southeast Region Marine Mammal Stranding Program Coordinator – [REDACTED] (Cell #: [REDACTED]; Email: [REDACTED]@noaa.gov).