

TRG Mobile Data Collection SCAT Overview

IAP Software - Developed for Responders by Responders

Your ability to respond is our shared responsibility[™]

SCAT Overview

- In spill/release incidents, the transition from response mode to project mode will be driven greatly by the Shoreline Cleanup Assessment Technique (SCAT) process
- Cleanup endpoints ("How clean is clean?") and Shoreline Treatment Recommendations (STRs) are established
- Conducted assessments produce similar, consistent results
- If possible, it is recommended to conduct one phase of assessments before environmental impacts (Pre-Impact) and another post-impact

The Response Group

Pre-Impact Phase



- Establish predetermined intervals on shoreline to establish shoreline segments.
- Identify area of potential impact.
- Identify resource-specific constraints on cleanup activities.
- Identify access and staging locations, as well as preferred collection points.
- Evaluate and recommend protection options and priorities.

Geographic Response Plans\Sensitive Sites

- Documentation provides responders with a pre-developed plan of action in the event of an incident.
- Reduces critical initial response time by identifying Protection, Recovery and Staging Areas
- Pre-identified response sites take the guess work out of resource deployment with response strategies on maps (optional driving directions) and pre-populated ICS 204 forms (Work Assignment)
- It aims to support the protection of the public's health and safety – Schools, Water Intakes, Local, State, and Federal Parks



The Response Group

Post-Impact Phase



The Response Group

Post-Impact Phase

- Establish cleanup priorities
- Identify sensitive resources (including environmental and socio-cultural resources)
- Monitor cleanup method to ensure effectiveness.
- Modify cleanup guidelines as oil changes due to weathering or other conditions.

- Mobile app for data collection in the field
- Offline capability with cached maps
- Management of SCAT Teams & assignments
- NOAA Shoreline Assessment Manual integration for quick reference





- **Direct integration with IAP Software and Common Operating Picture**
- Populate NOAA Shoreline Oiling Summary forms in the field using data collected from mobile devices
- Map SCAT Segments with mobile device tracking ٠

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The Response Group

2 Help 7 About 🕱 Log Out 👗 Logged In:

Field Data Collection

General Information

- Survey Team Members
- Segment Name
- Shoreline Types
- Coastal/ Backshore Characteristics
- Surface Oiling Conditions

Subsurface Oiling Conditions

- **Observations**
- Constraints
- Cleanup Recommendations
- GPS Waypoints
 - **Pictures**





- Populated NOAA SOS Forms with status (Submitted, Approved)
- Photographs for each survey, segment, pit or trench
- Georeferenced data and attributes
- Common Operating Picture using standard colors and symbols
- Generate STR using data from SOS form

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General Informati	ion										
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Name	-	Organization			ContactNumber						
Abel, Boyd		The Response Group			(832) 334-92	11					
Adams, Hannah		The Response Group			(210) 416-134	44					
Archer, Cole	Archer, Cole										
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Operations

- STR provided to Operations for cleanup recommendations
- Operations cross reference STR with ICS 204
- Priorities are set in Tactical Planning Process for daily operations

Navigation	Areas of Operation * Map - Common Operat	ing Picture ×	
Navigation	Areas of Operation	a water and the second second	
- Can Luic Darc Proak	🔿 🦰 🐂 🖛 📣 J Activate Pre-plan (6		
- Can Luic Dace Droak		RP/GRS)	
Sali Luis Pass break	Area	General Information Area Personne	el Area Images
Period 2	ICP - San Luis Resort		
	Air Operations Branch	Area Name	GCD 3 - GALV - 25
Forms 🛃 🔍	Recovery and Protection Branch	Area Type	Protection Site *
ICS 232 - Resources at Ri 🔹 🕣	GCD 1 - GALV - 4	Assignment	1. Deploy 3600' of sorbent boom along the northeast shoreline of Pelican Island.
Toitial TAP	▲ Protection Group	Get Def. Assignment	2. Deploy 3600' of viscous sweep on the "bay side" of the sorbent boom stated in #1.
Detailed IAP	▲ Protection Group TF-1		
all	BRAZ - 27.2 (TGLO-29-U)	Special Instructions	
Command	GCD 3 - GALV - 25		
Planning	BRAZ - 27.1 (TGLO-29-R)		Prevent product from impacting sensitive marshes.
Operations	GCD 3 - GALV - 23	Tactical Objective	possible.
Areas of Operation	GCD 3 - GALV - 24		Minimize impact to wildlife in the area
ICS 204 - Assignment List	GCD 3 - GALV - 26		Large swells may develop near deep draft vessel movement, extra caution is
ICS 210 - Change Status	BRAZ - 27 (TGLO-29-V)	Safety Considerations for ICS 204	recommended while operating near the Pelican Island area.
ICS 215 - Operational Pla	BRAZ - 25	Environmental Considerations	Priority: Medium: Fishing area; nursery; rookery. Commercial Shipping area. See TGLO
ICS 220 - Air Operations	▲ Protection Group TF-2	Environmental considerations	ESI Map 41 - Galveston
ICS 234 - Work Analysis I	BRAZ - 29.1 (TGLO-29-A)	Special Equipment	
Dispersant Checklist	BRAZ - 28 (TGLO-29-C,D)	Special Equipment	
Shoreline Impact	BRAZ - 29.2 (TGLO-29-B)		Latitude: N 29°20'58.47" Longitude: W 94°48'09.15". From Galveston I-45 Causeway 📩
Operational Status Update	▲ Shoreside Recovery Group		turns into Broadway St., 3.2 mi to 51s St.(Seawolf Pkwy/Pelican Island), left on Seawolf Pkwy 4.7 mi to dirt road on left, take road to shoreline access point.
Logistics	Shoreside Recovery TF-1		STAGING AREAS: 1. TAMU Oil Spill Control on Pelican Island 29°18'47"N
Einance	Shoreside Recovery TF-2	Work Location	094°45'06"W; 2. Texas City Dike Marina 29°21'58"N 094°48'55"W; 3. Erman Pilsner
Safety	A Shoreline Cleanup and Assessment		To Boat Ramps: 2. From I-45 Take exit 16 for FM 1764 E toward Texas City merge
Resource Tracking	SCAT TF-1	-	onto Palmer Hwy E,Continue on 1764/9th Ave N, Turn right at Bay St N, Turn left at
SCAT	SCAT TF-2		rexas city bike ito, ramp is at the end of the dike. (also one at the beginning of the
ICS Forms	▲ Staging Area		Notify: Texas Parks & Wildlife Dept. (281) 461-4071 Houston; U.S. Fish & Wildlife
Utilities	San Luis Pass County Park	Notes	964-3639; U.S.C.G. via NRC (800) 424-8802; TXGLO via Hotline (800) 832-8224;

Operations

Operations Status Feedback

- Review Work Assignments from field (ICS 204)
- Send status update on work assignment
- Report status on resources including needs

1.11.1	103 204 -	Proved in the second se							
Incident		branch.							
Period:		Division/Group:							
Prepared By Signature:		Task Force: BR.	42-27						
Approved By Signature:		1							
I. Notily: Texas Parks & V Brazonia National Wildlife 832-8224: TGEO (512) 46 2 Assess and a emoy 3 Deploy containment boo 4. Conduct impacted wildl 5. Restrict access and est	As Vidille Dept. (281) 461-4071 H Refuge Manager (979) 849-7 3-727 o debris along shoreline. yn across niets fo sensitive a fe search and rescue operatio ablish security to ensure site il	signments Iouston: U.S. Fish & Wildlife 1771: U.S.C.G. via NRC (80 reas. ns. ntegrity.	Service (281) 286-82 0) 424-8802: TXGLO	282 Houston via Hotline (800					
	(Reso	ources Required)							
Area of Operation	Resource Type	Description	Quantity	Size					
BRAZ 27	Boom	Protection Boom	E00 feet	18 inch(es)					
8RAZ - 27	Equipment: Comms	Equipment: Comms	2 each						
BRAZ 27	Equipment Decon	Decon Station	t each						
BRAZ - 27	Equipmont PPE	Equipment: PPE	17 each						
BRAZ - 27	Equipment Safety	Monitoring Equipment	1 each	1					
BRAZ - 27	Generator	Generator	t each						
BRAZ - 27	Hand Tools	Hand Tools	15 each						
BRAZ 27	Lighting	Light Towers	1 each						
BRAZ - 27	Manpower: Operator	Operator	I each						
BRAZ - 27	Manpower Responder	Spill Technicians	tū each	-					
BRAZ-27	Manpower: Supervisor	Supervisor	1 sach						
BRAZ-27	Portable Toilets	Port-A-Lets	1 each						
BRAZ-27	Sorbent: Boom	8" Rolled	800 feet	8 inch(es)					
BRAZ-27	Sorbent: Pads	Sorbent: Pads	10 bales						
BRAZ - 27	Vehicle	ATV w/Trailer	1 each						
	Tar	tiral Objective	1	-					
Prevent product from impa Contain and conduct appr Minimize impact to wildlife	icting San Luis Pass County F opriate shoreline cleanup effor In the area.	ark sensistive marshes and its to recover product to exte	residential areas. mi possible						
	Loca	llon of Work)						
Latinde: N 29'04'49' Lob Bivd (3005), turn right on 1 right 0.1 mi to access poin STAGING AREAS: San Li To Boat Ramps: 1-45 south Luis Pass bridge, lake col TGLO TOOL KIT, GRP - CHART(S), Nautical Chan From MSU Galveston. So Closest Anport: Scholes F 094'5137'46'W	rigilized: W 96.752: From Gal- seewall Bivd (3005) 52mi over Land boot ramp. Is County Park & Boat Ramp to of Houston to Seawait Bivd. and turn morth into the park a Sector Houston Galveston, 77 (11322) Upper Coast Attas Sector Flouston Galveston, 77 (11322) Copper Coast Attas it on thwy 87, crossing the Si field Airport GLS: Closest Helia	Vestor 1-45 Causeway to 5 San Luis Pass Bridge to Sa 29-04-43 N 095-07-51 W (FM 3005), proceed west to rea - SITE SPECIFIC RESPO Page 49 an Luis Pass Bridge, copter Landing: Scholes Fiel	ret SL, turn right 1 6 / n Luis Pass Park on the first exit after cro ISE SHEET 29, Chris d Airport, 29:15:55 1	mi to Seawall right and follow essing the San strikes Point 6'N					
	8-115-1		1						



- Identify Oil Debris Mats (ODM) as "Hot Spots" where an STR is not needed
- Operations deploys "Clean as You Go" Task Force to treat "Hot Spots"

The Response Group

 Documentation with photos are captured at identification and post cleanup



The Response Group

Post-Impact Phase



Integrating with Command Post The Response Group

- Overall Operational progress is maintained on Common Operating Picture
- COP and Dashboards maintained for Unified Command briefings
- Long Range Planning creates forecast for resource needs





The Response Group

Questions/Comments?

IAP Software - Developed for Responders by Responders

Your ability to respond is our shared responsibility [™]