



## Outline

- SCAT data workflow
- **DATA**: The SOS form
- **INFORMATION**: Core SCAT products
  - Extent of Oiling
  - Shoreline Treatment Recommendations (STR's)
  - Inspection status
- Where do we need to go?

"Before you become too entranced with gorgeous gadgets and mesmerizing video displays, let me remind you that information is not knowledge, knowledge is not wisdom, and wisdom is not foresight. Each grows out of the other, and we need them all."

Arthur C. Clarke

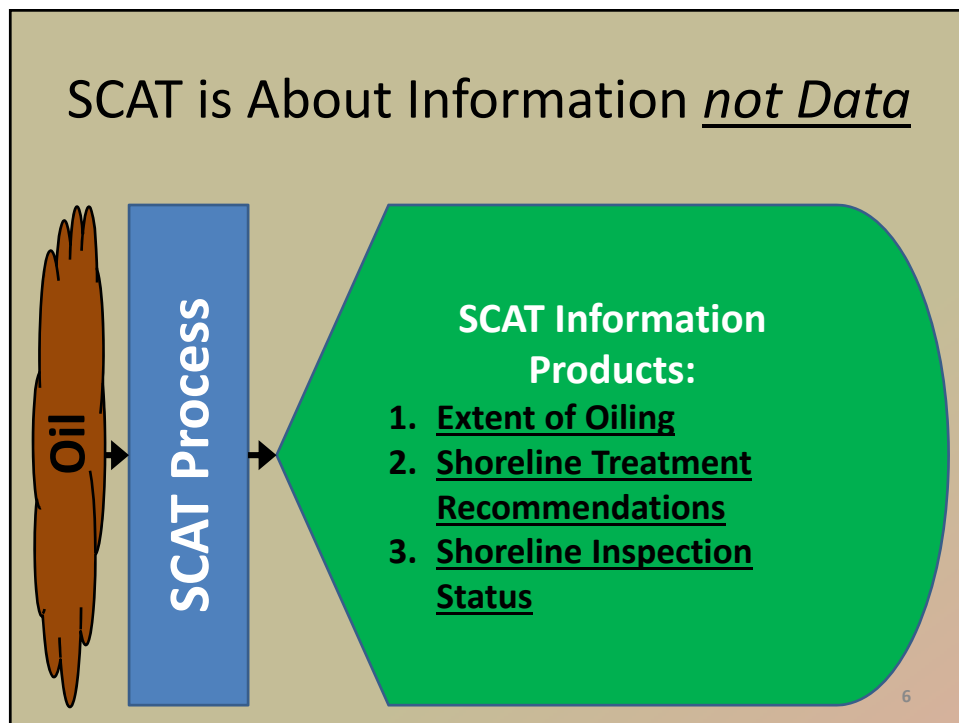
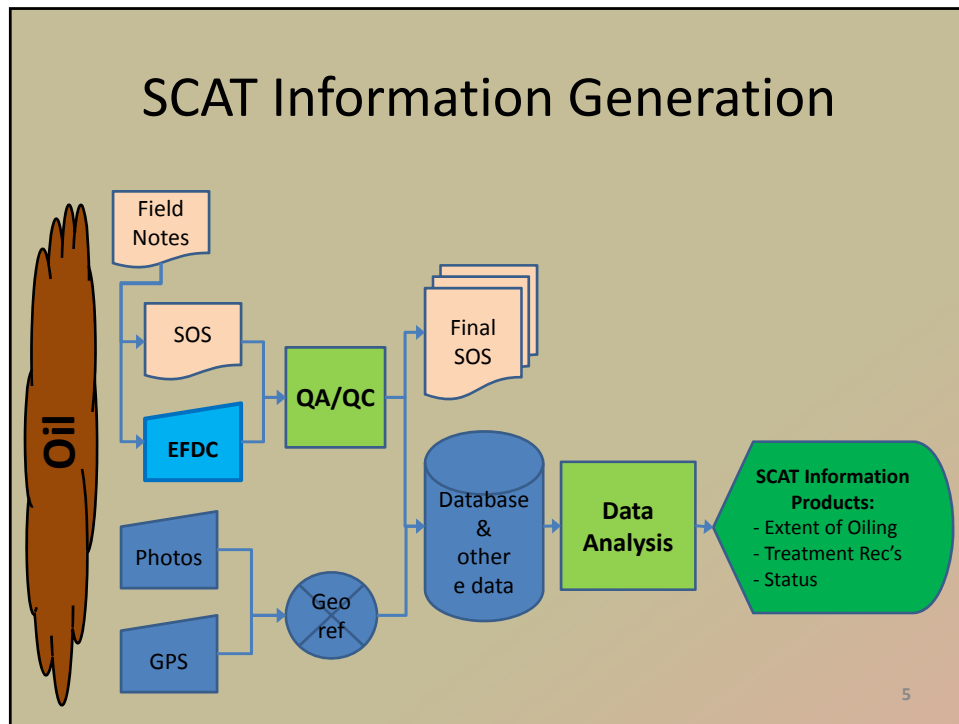


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## INFORMATION



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## The Data: SOS Form

SHORELINE OIL SUMMARY (SOS) FORM:		Spill	Page	of
<b>1. GENERAL INFORMATION</b>		Date (dd/Month/yyyy) (please use month name)	Time (24h standard/daylight) (00:00 to 00:00)	Tide Height L / M / H Rising / Falling
Segment ID:				
Segment Name:				
Survey By: Foot / ATV / Boat / Helicopter / Overlook / Other		Weather: Sun / Clouds / Fog / Rain / Snow / Windy / Calm		
<b>2. SURVEY TEAM</b>		Name	Organization	Name
Team Number				
<b>3. SEGMENT</b>		Total Length: m	Length Surveyed: m	Datum: WGS84
Survey Start GPS: WP:	LAT: .	LONG: .		
Survey End GPS: WP:	LAT: .	LONG: .		

**Generic data about the survey.**  
**Informs over all qualitative assessment of the survey.**  
**(Other than the date) does not feed any core SCAT info products.**

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## The Data: SOS Form

<b>4a. BACKSHORE CHARACTER:</b> Indicate only ONE Primary type and ALL Secondary types			
Cliff/Slope	Lowland	Beach	Dune
Wetland	Lagoon	Delta	Channel
Man-Made			
<b>4b. ESI SHORELINE TYPE:</b> Indicate only ONE Primary (P) and ANY Secondary (S) types. CIRCLE those oiled.			
Primary:	Secondary:		
<b>5. OPERATIONAL FEATURES</b>		Oiled Debris? Yes / No	Type:
		Amount:	(bags)
Direct backshore access? Yes / No	Alongshore access from next segment? Yes / No	Suitable for backshore staging? Yes / No	
Access Description / Restrictions:			

**Confirmatory information – “Is the ESI correct?”**  
**Informs how cleanup recommendations are written and presented to Ops.**

**Data does not directly feed SCAT products.**

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**These are the only DATA needed to calculate Extent of Oiling**

## Determining Oiling Category

at 10

## The Data: SOS Form

8. COMMENTS: Cleanup Recommendations; Ecological/Recreational/Cultural Issues; Wildlife Observations; Oiling Descriptions

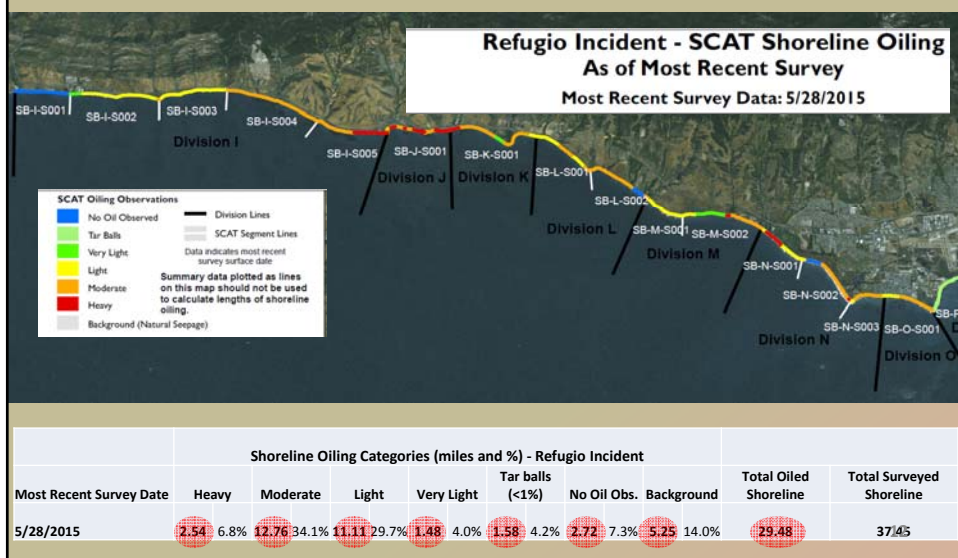
Sketch: Yes / No   Photos: Yes / No   Photo Numbers: (   -   )   Photographer Name:

2014

Can be enough on small spills.  
Lots of problems using this for large spills.

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## The Information: Extent of Oiling





## Heraclitus of Ephesus



*No man ever  
steps in the same  
river twice, for it  
is not the same  
river and it is  
not the same  
man.*

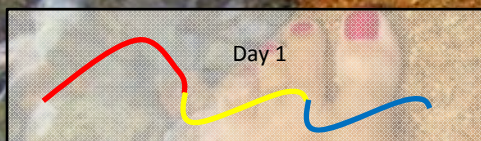
~ 500 BC

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## "Snapping"

Or,

*How to avoid briefing the UC on ancient Greek philosophy.*

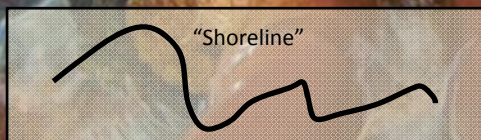


The length and location of these lines are different.

But they need to be the same.



Extent of oiling is NOT a sum of track lines.



It is calculated by "snapping" observed oiling zones to a canonical shoreline.

## Shoreline Treatment Recommendations

[Spill Name]		Shoreline Treatment / Operational Permit to Work	
Local Name:	STR#:	Survey Date:	
<div style="border: 1px solid black; padding: 2px;">Segment Name(s)/Number(s)</div> <div style="border: 1px solid black; height: 20px; margin-top: 2px;"></div>			
Location:			
Shoreline Type: <input type="checkbox"/> Surface <input type="checkbox"/> Subsurface <input type="checkbox"/> Submerged <input type="checkbox"/> Manual <input type="checkbox"/> Mechanical			
<b>Oiled Area For Treatment:</b> Describe general oiling conditions and zones SURFACE OILING SUBSURFACE OILING			
<b>Cleanup Recommendation:</b> CLEANUP GUIDELINES Describe cleanup tactics and removal actions to be undertaken The goals of this STR are to ... The End Points / No Further Treatment (NFT) Guidelines for this area are ...			
<b>Staging and Logistics:</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>			
<b>Ecological Concerns:</b> ECOLOGICAL CONCERNS May include or cite BMP's provided by Trustees GEOMORPHOLOGICAL CONCERNS:			
<b>Cultural / Historical Concerns:</b> Read and follow the instructions provided in the attached Section 106 Consultation Signature Sheet. Additionally, in the event that unanticipated archaeological sites, historic or prehistoric artifacts, graves human remains, or other cultural resources are discovered in the project area, all work in the immediate area must cease. The onsite Operations Supervisor must be notified, who must contact the Section 106 team. Work shall not resume until the Operations Supervisor has been advised by the Section 106 Team. Contact the Section 106 Team at:			

[Spill Name]		Shoreline Treatment / Operational Permit to Work	
Local Name:	STR#:	Survey Date:	
<b>Safety Concerns:</b> <div style="border: 1px solid black; height: 40px; margin-top: 5px;"></div>			
<b>Comments:</b> <div style="border: 1px solid black; height: 60px; margin-top: 5px;"></div>			
<b>Attachments:</b> <input type="checkbox"/> Map <input type="checkbox"/> Sketch <input type="checkbox"/> <b>Facidtest</b> <input type="checkbox"/> Sec. 7 BMP <input type="checkbox"/> Sec 106 BMP Other:			
Prepared by: _____		Date Prepared: _____	
<b>Final Approval:</b> Print _____ <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>Signature _____</span> <span>FOSC _____</span> <span>SOSC _____</span> <span>EUL or SCAT Coordinator _____</span> </div>			
**When Treatment is Completed, send a Segment Completion Report to SCAT**			

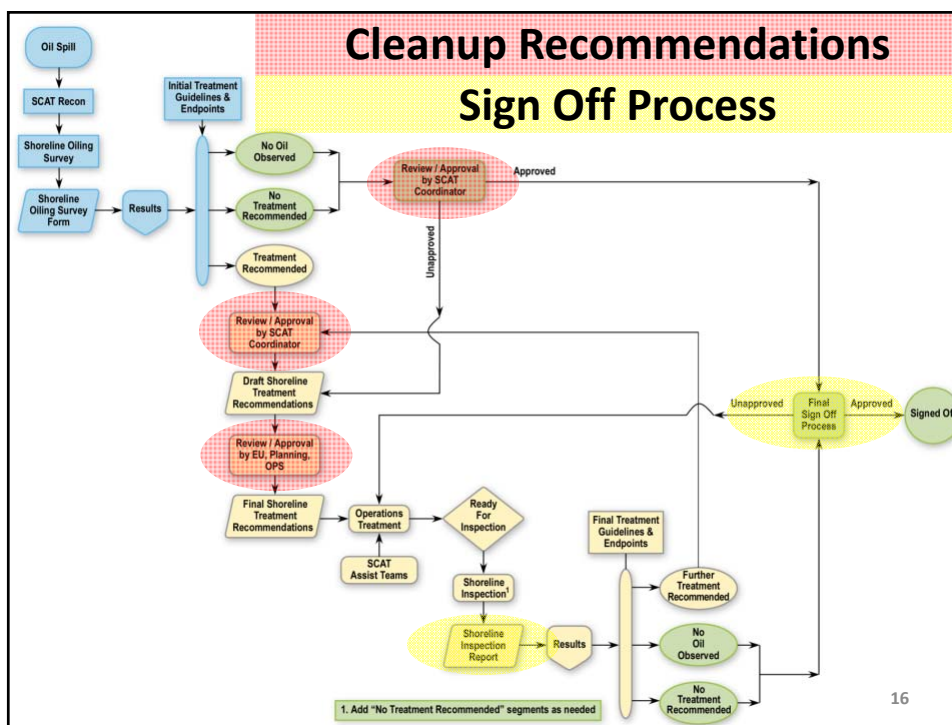
Maps

ESA

Arch

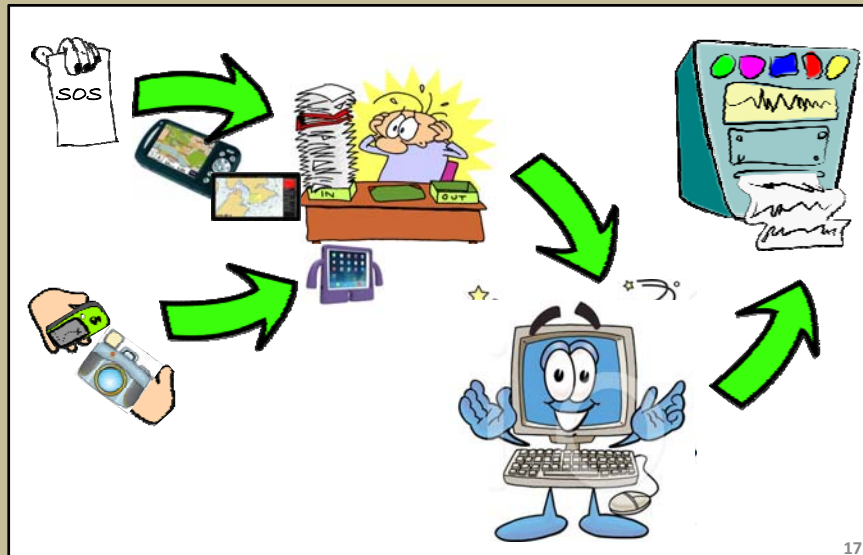
Photos

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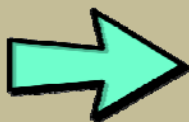


## SCAT Data Management





## We Need a Common Data Standard



- Multiple data entry options
- Integration with other systems
  - (photos, documents, COP, Archives)
- Foster development
- **Interoperability!**

**THE END**

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