Harnessing ArcGIS Online for Oil Spill Response

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Liam Harrington-Missin
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What is Oil Spill Response?

What is OSRL Geomatics trying to Achieve?

Data to Decision
Recap from 2017

- General Information
- Shoreline Information
- Operational Information
- Oiled Zones
- Subsurface Oil (Pits)
- Notes / Key Information
- Map / Sketch

ESRI Survey123
Form Centric

ESRI Collector
Map Centric
Our AGOL Journey So Far

Shoreline Field Data Collection
Survey123
Automatic Report Generation Using Survey123
Field Data Collection Using Survey123
Added Value

Segmentation Tool (WebApp)

Shoreline Dashboard
## What is the Impact?

### Before AGOL (Paper Based)
- Survey planning on printed map or Google Earth
- Hand written surveys
- Typed up after field survey
- Inconsistent Reporting
- Difficult to Quality Control
- Difficult to Audit
- Human Error Easy

Between Conducting the Survey and having a report in a Command Centre

**Up to 4 hours**

### After AGOL (Survey123)
- Survey Planning on dedicated AGOL App
- Surveys conducted on mobile technology
- Reporting occurs automatically
- Quality Control steps easy to implement, enforce and modify
- Easy to Audit
- Human Error Difficult

Between Conducting the Survey and having a report in a Command Centre

**~10 Minutes**
Other AGOL Applications
Fast Access to Key Information

Shoreline Response Plans

Oil Spill Contingency Plans
Global Dispersant Stockpiles WebApp
What’s Next?
What’s Next (2018 and beyond)