

# DEPARTMENT OF COMMERCE, COMMUNITY AND ECONOMIC DEVELOPMENT Division of Community and Regional Affairs

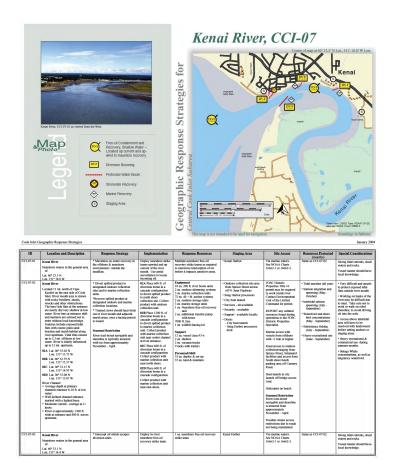
Geographic Response Strategy (GRS) Data:
A Digital Solution

Presented at the 2021 Arctic and Western
Alaska Area Committee Meeting
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Director Sandra Moller
June 15th, 2021

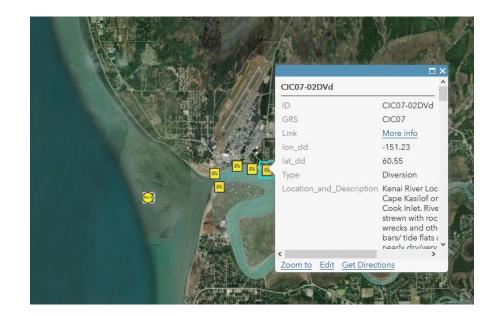


## GRS Data: A Digital Solution

## **Original PDF**



## Interactive GIS Database with embedded PDF's



## **GIS Transition Benefits**

- Interactive Catalog of GRS's.
- 2. Enabled for offline use in the field.
- 3. Easy for field workers to make updates offline, then sync in the office over WIFI.
- 4. Administrators can track updates and perform QA/QC.
- 5. Incorporation into Arctic ERMA.



## 1. Interactive Catalog of GRS's.

GRS points for the entire state of Alaska are available. Explore GRS points by geographic region in an

GIS Maps hosted on



ArcGIS Online





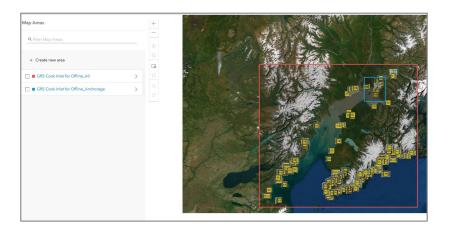
## 2. Enabled for offline use in the field.

## Download a Pre-Defined Regional GRS Map Or Specify Your Own Region

Field workers can download maps with

Then Access the Data Offline









Kena River Located 11 min north of Cape Kasilof on the east side of Cook intel. River mouth area is strewn with rocky boulders, shoals, wrecks and other obstructions. The beart fulle flats at the entrance are nearly dry/very shallow at low water. River bars at entrance shift and mainters are advised not to enter without local knowledge. Features include exposed tidl filled is with coarse grain sand beaches and mareh habitat along nier upstream. Total flats and the shall have along one upstream 10 call fails and the shall habitat along nier upstream 10 call fails to 10 call for the shall habitat along nier upstream 10 call fails to 10 call for the shall habitat along nier upstream 10 call fails to 10 call fails with 10 call fails and 10 call fails with 10 call fai

#### Response\_Strategy

\* Divert spilled product to designated onshore collection sites and to marine collection units. \*Recover spilled product at designated onshore and marine collection locations. \*Trained crews should haze brids out of river mouth and adjacent marsh areas, once a hazing permit is issued. Seasonal necessary of the production of the production of is typically armored with ice from approximately November - April.

#### Implementation

02A Place 400 ft. of diversion boom in a cascade configuration to direct splided product to north sohre collection site. Collect product with moshore collection site. Collect product with moshore collection mult. 02B Place 1200 ft. of diversion boom in a cascade configuration to divert splided product to mainte collection unit. Collect product with marine collection unit near center channel at twe entrance. 202 Place 600 ft. of diversion boom in a cascade configuration Collect product with marine collection unit near north shore, 202 Place 600 ft. of diversion boom in a cascade configuration. Collect product with marine collection unit near north shore, 202 Place 600 ft. of diversion boom in a cascade configuration. Collect product with marine collection unit near earth search shore.

#### nonse Resources

Equipment 18 ea. 200 ft. river boom units 2 ea.









### 3. Easy to make updates offline, then sync over WIFI.

Add a new

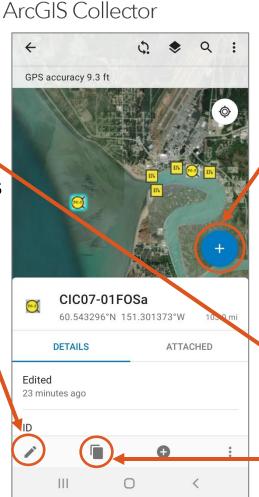
point

For Mobile / Tablet

For Windows

**ArcGIS Collector** 

Edit the attributes for an existing point





new point but keep

the attributes

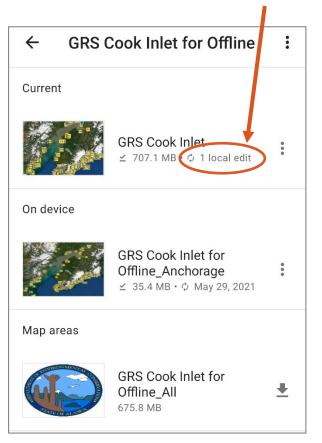


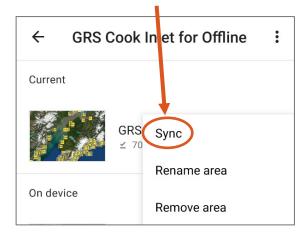
### 3. Easy to make updates offline, then sync over WIFI.



## Offline Edits on Device

## Sync the Edits to ArcGIS Online

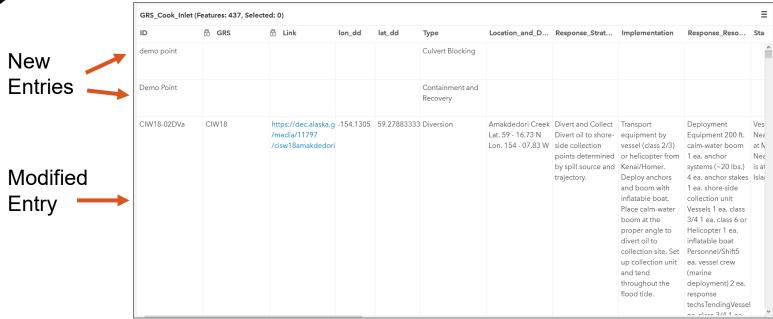








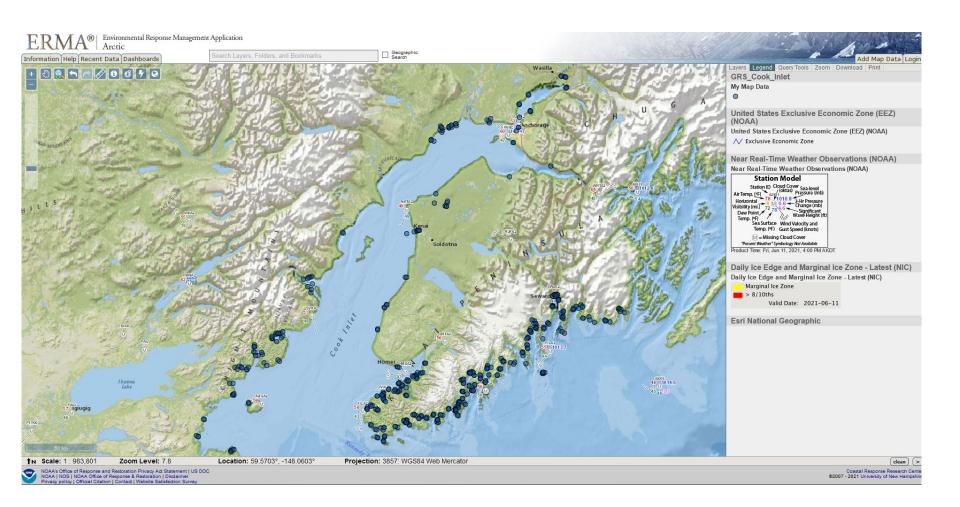
### 4. Administrator can track updates and perform QA/QC.



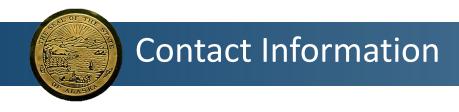




### 5. Incorporation into Arctic ERMA.



## **Live Demonstration of ArcGIS Collector Application**



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