



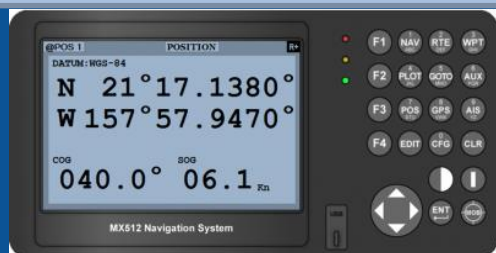
# *IHO Crowdsourced Bathymetry Rose Point Update*

LCDR Adam Reed, NOAA  
IOCM/Coast Survey

Office of Coast Survey



# Recap



X, Y, T

Z



```
{
  "platform":
  {
    "uniqueID": "ROSEP-e8c669f8-df38-16e5-b86d-9a79606e9478",
    "type": "Ship",
    "name": "SS Dinghy",
    "length": 65,
    "lengthUnitOfMeasure": "meters",
    "IDType": "IMO",
    "IDNumber": "1008140"
  }
}
```

```
lat,lon,depth,time|
47.666520,-122.098525,21.49,20161017T234638Z
47.666518,-122.098525,11.98,20161017T234739Z
47.666517,-122.098527,14.63,20161017T234839Z
47.666515,-122.098527,17.16,20161017T234935Z
47.666490,-122.098472,19.72,20161017T235044Z
47.666505,-122.098522,20.18,20161017T235141Z
47.666477,-122.098507,20.42,20161017T235241Z
47.666512,-122.098432,20.63,20161017T235342Z
47.666497,-122.098417,20.33,20161017T235443Z
47.666512,-122.098470,20.33,20161017T235548Z
47.666507,-122.098490,20.57,20161017T235644Z
47.666533,-122.098453,20.33,20161017T235832Z
47.666575,-122.098445,20.33,20161018T000042Z
47.666585,-122.098460,20.21,20161018T000236Z
47.666417,-122.098443,18.32,20161018T000337Z
47.666417,-122.098443,15.27,20161018T000438Z
47.666433,-122.098473,12.68,20161018T000538Z
47.666490,-122.098562,10.06,20161018T000638Z
47.666490,-122.098560,12.65,20161018T000738Z
47.666492,-122.098552,15.88,20161018T000839Z
47.666487,-122.098527,18.32,20161018T000939Z
47.666398,-122.098182,20.12,20161018T001038Z
47.666393,-122.098185,20.30,20161018T001045Z
47.666388,-122.098182,20.42,20161018T001046Z
47.666375,-122.098180,20.79,20161018T001047Z
47.666367,-122.098165,20.60,20161018T001048Z
47.666365,-122.098163,20.48,20161018T001049Z
```



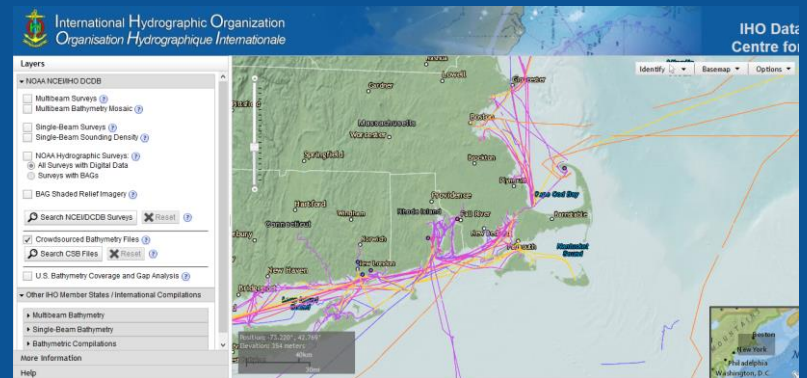
# Recap

```
{
  "platform": {
    "uniqueID": "ROSEP-e8c669f8-df38-16e5-b86d-9a79606e9478",
    "type": "Ship",
    "name": "SS Dinghy",
    "length": 65,
    "lengthUnitOfMeasure": "meters",
    "IDType": "IMO",
    "IDNumber": "1008140"
  }
}
```

```
[lat,lon,depth,time]
47.666520,-122.098525,21.49,20161017T234638Z
47.666518,-122.098525,11.98,20161017T234739Z
47.666517,-122.098527,14.63,20161017T234839Z
47.666515,-122.098527,17.16,20161017T234935Z
47.666490,-122.098472,19.72,20161017T235044Z
47.666505,-122.098522,20.18,20161017T235141Z
47.666477,-122.098507,20.42,20161017T235241Z
47.666512,-122.098432,20.63,20161017T235342Z
47.666497,-122.098417,20.33,20161017T235443Z
47.666512,-122.098470,20.33,20161017T235548Z
47.666507,-122.098490,20.57,20161017T235644Z
47.666533,-122.098453,20.33,20161017T235832Z
47.666575,-122.098445,20.33,20161018T000042Z
47.666585,-122.098460,20.21,20161018T000236Z
47.666417,-122.098443,18.32,20161018T000337Z
47.666417,-122.098443,15.27,20161018T000438Z
47.666433,-122.098473,12.68,20161018T000538Z
47.666490,-122.098562,10.06,20161018T000638Z
47.666490,-122.098560,12.65,20161018T000738Z
47.666492,-122.098552,15.88,20161018T000839Z
47.666487,-122.098527,18.32,20161018T000939Z
47.666398,-122.098182,20.12,20161018T001038Z
47.666393,-122.098185,20.30,20161018T001045Z
47.666388,-122.098182,20.42,20161018T001046Z
47.666375,-122.098180,20.70,20161018T001047Z
```

**CSB data log file  
(with JSON  
metadata string)**

**Data  
submitted to  
DCDB via  
HTTP post**

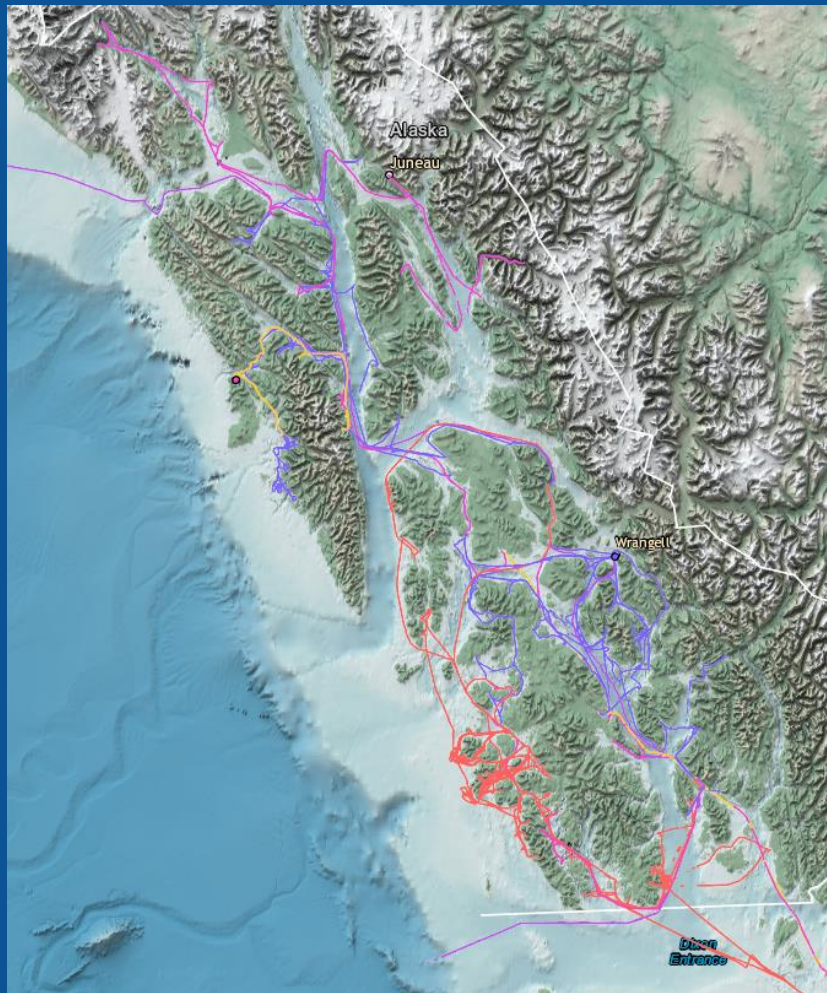


**Frequent  
update of  
viewer**





# Current Data



- Unique vessels: 113
- Total soundings: 117 Million
- Total digital size: 18 GB

# Future upgrading possibilities

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"type": "FeatureCollection",
"crs": {
  "type": "name",
  "properties": {
    "name": "EPSG:4326"
  }
},
"properties": {
  "platform": {
    "IDNumber": "",
    "IDType": "None",
    "length": 22.860000,
    "lengthUnitOfMeasure": "meters",
    "name": "BUNKER KING",
    "type": "Ship",
    "uniqueID": "ROSEP-caafcal7-b197-4c09-b488-7d703ff4e0af"
  },
  "providerContactPoint": {
    "email": "support@rosepoint.com",
    "logger": "Rose Point ECS",
    "loggerVersion": "3.1.17208.2139",
    "orgName": "Rose Point"
  }
}
```

- Current metadata captured
- Captured for all vessels
- Not anonymous, could use full anonymous option
- Offsets & Heading
- More?