



Uncover Hidden Value in Maritime Data

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Overview

Timely and accurate dissemination of Electronic Navigational Charts (ENCs) is critical for Safety of Navigation.

- > Emerging technology allows for availability of data
- through web map services
- > NOAA makes ENC portfolio available

Highlights

- Timely and accurate dissemination
- Hydrographic
 Offices providing
 rich maritime data
- Safety of Navigation

Maritime Chart Server Architecture



- Up to Date Information
- Simple
- Integrated



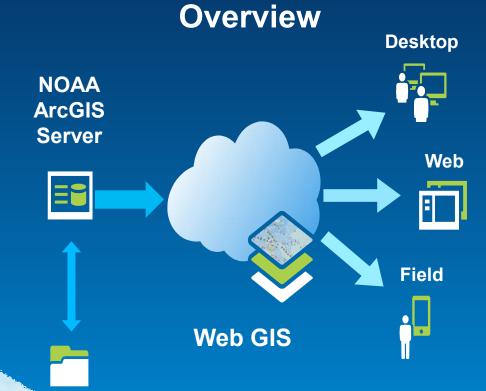
...Rapid display of authoritative data

NOAA Implementation

- Implement on top of existing AGS architecture
- Install ServerObjectExtension
- Publish Service

ENCOnline

- Consumable
- Update weekly
 - 10 minutes



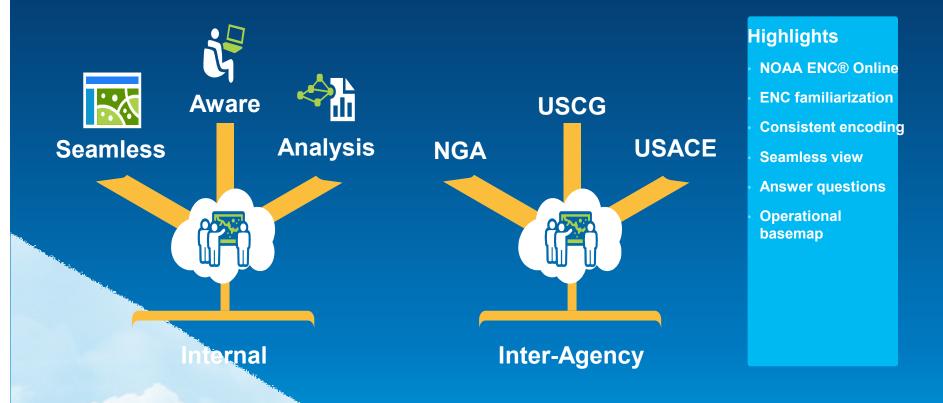
Highlights

- REST
- OGS WMS
- AGOL
- Custom web
 - NOAA ENC® Online
- Collector
 App for field
 work

...NOAA ENC® Online Usage

~150 Unique Hits/Dav...

NOAA Usage



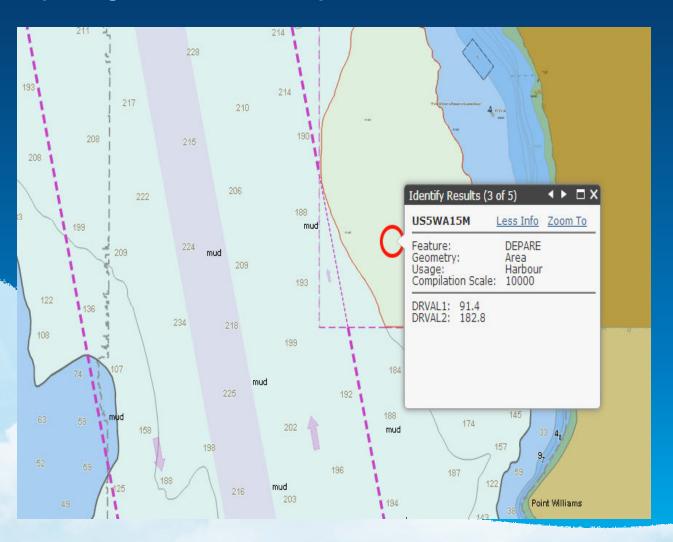
Providing new services. . .

Potential Industries



Examples

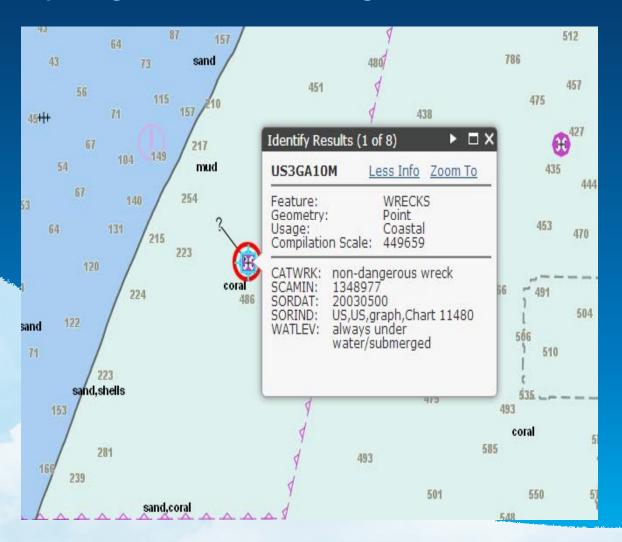
Improving the ENC Suite – Depth Areas





Examples

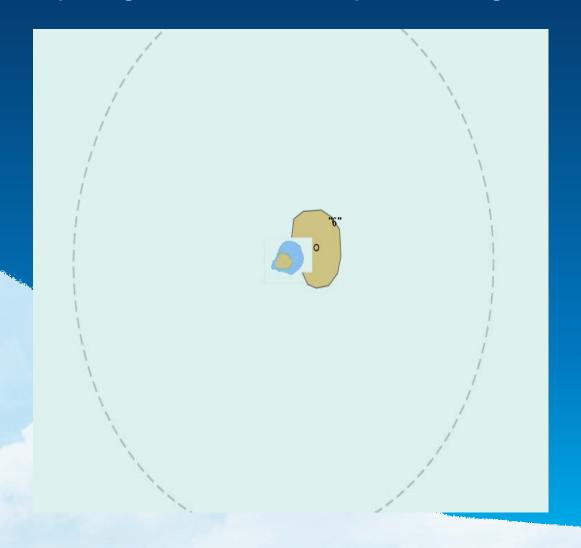
Improving the ENC Suite – Missing VALSOU





Examples

Improving the ENC Suite – Compilation through the Scales





Conclusion

- > Simple to deploy
- > Higher quality datasets
- > Up-to-date authoritative data
- > Operational or Base layers through REST or OGC WMS
- > Ways for Agencies to provide additional premium services
- Future...IHO world service?



Thank You

