



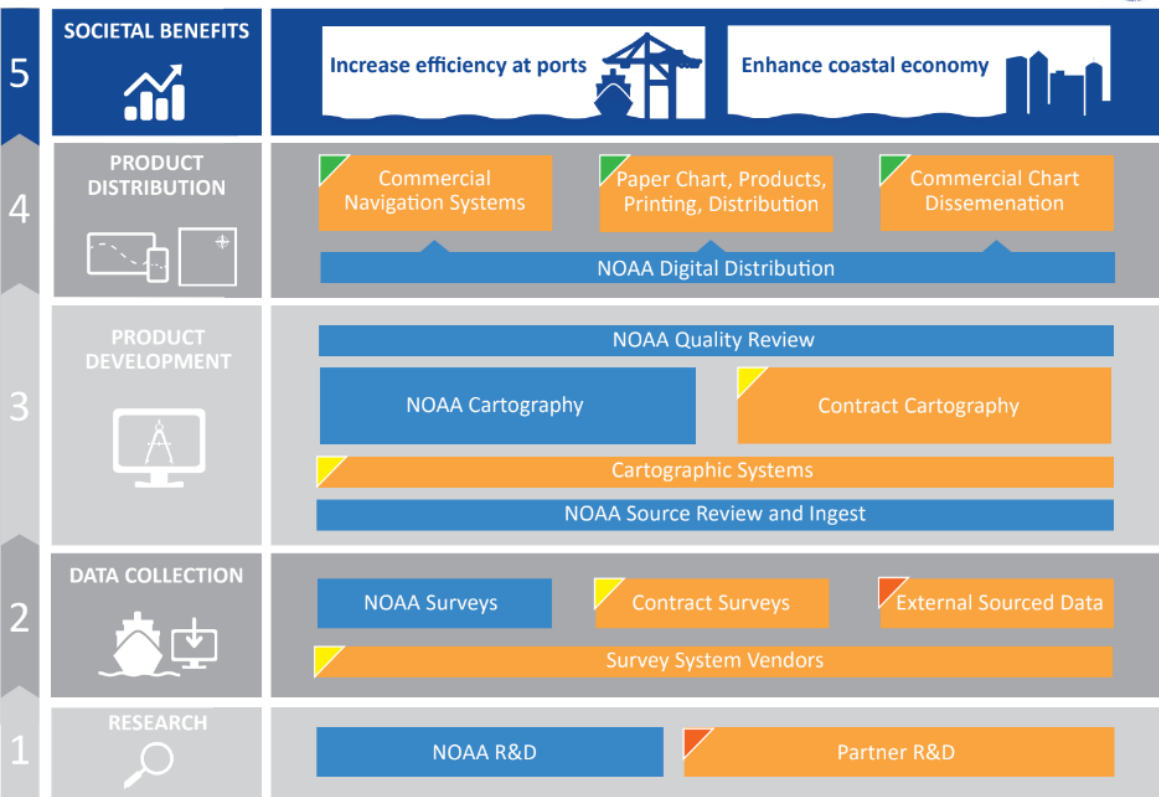
NOAA
Coast Survey

Public Private Partnerships in Hydrographic Services

CDR Briana Hillstrom, NOAA
Chief, Hydrographic Surveys Division
National Geospatial Advisory Committee Meeting
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Existing PPPs in Hydrographic Services

NOAA Coast Survey Partnerships *every step of the way*

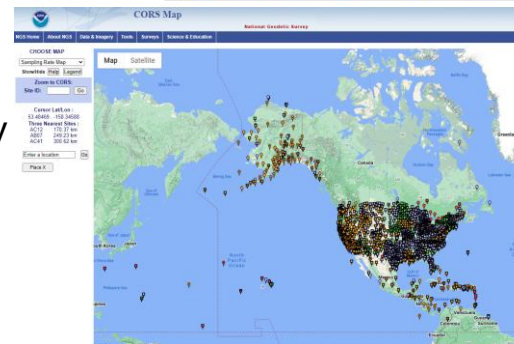


■ NOAA in-house
 ■ External to NOAA
 ■ Partnerships
 ■ Contracts
 ■ Private sector activities not federally funded

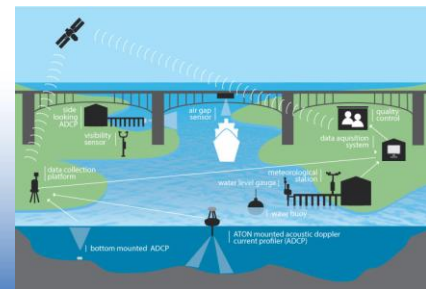
Center for Coastal and Ocean Mapping
Joint Hydrographic Center

Center for Ocean Mapping and Innovative Technologies

CORS
Continuously Operating Reference System



PORTS
Physical Oceanographic Real-Time System



Existing NOAA Support for Partnerships



Agreement Type	Partner Type			Work Type				Funding		
	Private	Public, Non-Profit	Govt	Work for Hire	Facility Use	Material or Tech Transfer	Collaboration	Govt Funds	Partner Funded	In-Kind, no funds
CRADA 15 U.S.C. Section 3710(a)	X	X	X		X	X	X		X	X
Facilities Use Agreement 15 U.S.C. Section 3710(a)	X	X			X		X		X	
Materials Transfer 15 U.S.C. Section 3710(a)	X	X				X	X		X	X
MoU/MoA	X	X			X	X		X	X	X
Interagency Agreement			X	X	X	X	X		X	X
Special Studies Agreement 15 U.S.C. Section 1525	X	X		X					X	
Joint Project Agreement 15 U.S.C. Section 1525		X					X	X	X	
Contract	X	X		X				X		
Grant	X	X		X				X		

3 Primary Challenges of Expanding PPPs

1. Authorizing statutes of hydrographic services/ocean and coastal mapping
2. Subsequent NOS survey and mapping contracting policies, including 2010 policy based on 2009 HSRP Recommendations
3. Exercising maximum flexibility of current NOAA contracting policy

<https://nauticalcharts.noaa.gov/about/regulations-and-policies.html>

1. *Coast and Geodetic Survey Act of 1947*

1. *Hydrographic Services Improvement Acts (HSIA) of 1998, 2002, 2008 (amendments in 2002 & 2008)*

1. *Ocean and Coastal Mapping Integration Act (2009)*

HSIA of 1998

HSIA 2002 Amendments

Establishes Hydrographic Services Review Panel

Establishes quality assurance program

Added conservation and management of coastal and ocean resources

HSIA 2008 Amendments/Ocean and Coastal Mapping Integration Act of 2009

Changed 'Hydrographic Surveys' to 'Ocean Mapping Data'

Establishes a hydrographic services account

HSIA Definitions: “Data” and “Services”

The term “hydrographic data” means information that—

- (A) is acquired through— (i) hydrographic, bathymetric, photogrammetric, lidar, radar, remote sensing, or shoreline and other ocean- and coastal-related surveying; (ii) geodetic, geospatial, or geomagnetic measurements; (iii) tide, water level, and current observations; or (iv) other methods; and
- (B) is used in providing hydrographic services.

The term “hydrographic services” means—

- (A) the management, maintenance, interpretation, certification, and dissemination of bathymetric, hydrographic, shoreline, geodetic, geospatial, geomagnetic, and tide, water level, and current information, including the production of nautical charts, nautical information databases, and other products derived from hydrographic data;
- (B) the development of nautical information systems; and
- (C) related activities.

(b)(6) notwithstanding the existence of such joint centers, ***shall award contracts for the acquisition of hydrographic data in accordance with subchapter VI of chapter 10 of title 40.***

40 U.S.C. VI - SELECTION OF ARCHITECTS AND ENGINEERS AKA “The Brooks Act”

§541. Definitions

...

(C) such other **professional services of an architectural or engineering nature**, or incidental services, which members of the architectural and engineering professions (and individuals in their employ) may logically or justifiably perform, including studies, investigations, **surveying and mapping**, tests, evaluations, consultations, comprehensive planning, program management, conceptual designs, plans and specifications, value engineering, construction phase services,



Brief History of Hydro Contracting Program

2006 **“NOAA Hydrographic Services Contracting Policy”** in Federal Register

2010 **“NOAA Ocean and Coastal Mapping Contracting Policy”** in Federal Register (informed by 2009 HSRP recommendations)

First contract was in late 1990s/early 2000s - Value contract

Led to short term regional IDIQ A&E contracts

Evolved into current 5yr IDIQ A&E model

Federal Acquisition Regulation: FAR
Antideficiency Act

Commerce Acquisition Manual: CAM

GAO-17-510 Hydrographic Surveying:
NOAA Needs Better Cost Data and a
Strategy for Expanding Private Sector
Involvement in Data Collection

Ethics and Appropriation Laws

National Environmental Policy Act
Endangered Species Act
Marine Mammal Protection Act
Coastal Zone Management Act
National Historic Preservation Act
Jones Act



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Is it time to reconsider other models?