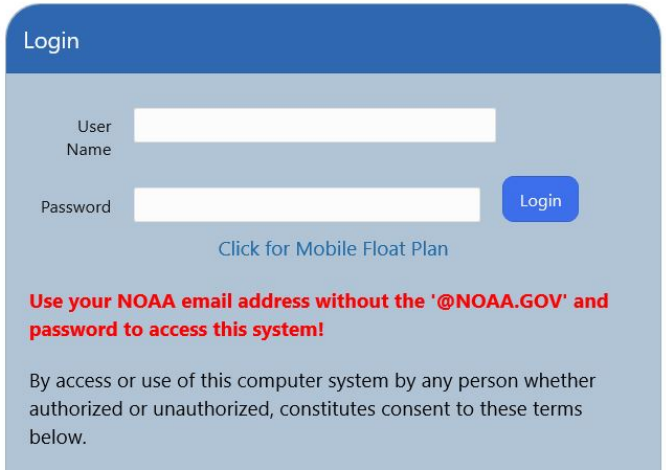
Vessel Operations Program (VOP)



Background

- The SBP identified a need for NOAA wide float plan system in 2009
- Grass roots, in-house development started in 2010
- Tested locally then expanded for regional use and finally to all line offices
- Vessel Inventory Program implemented in 2015 as NOAA wide standard
- With input from the field VOP continues to expand and improve

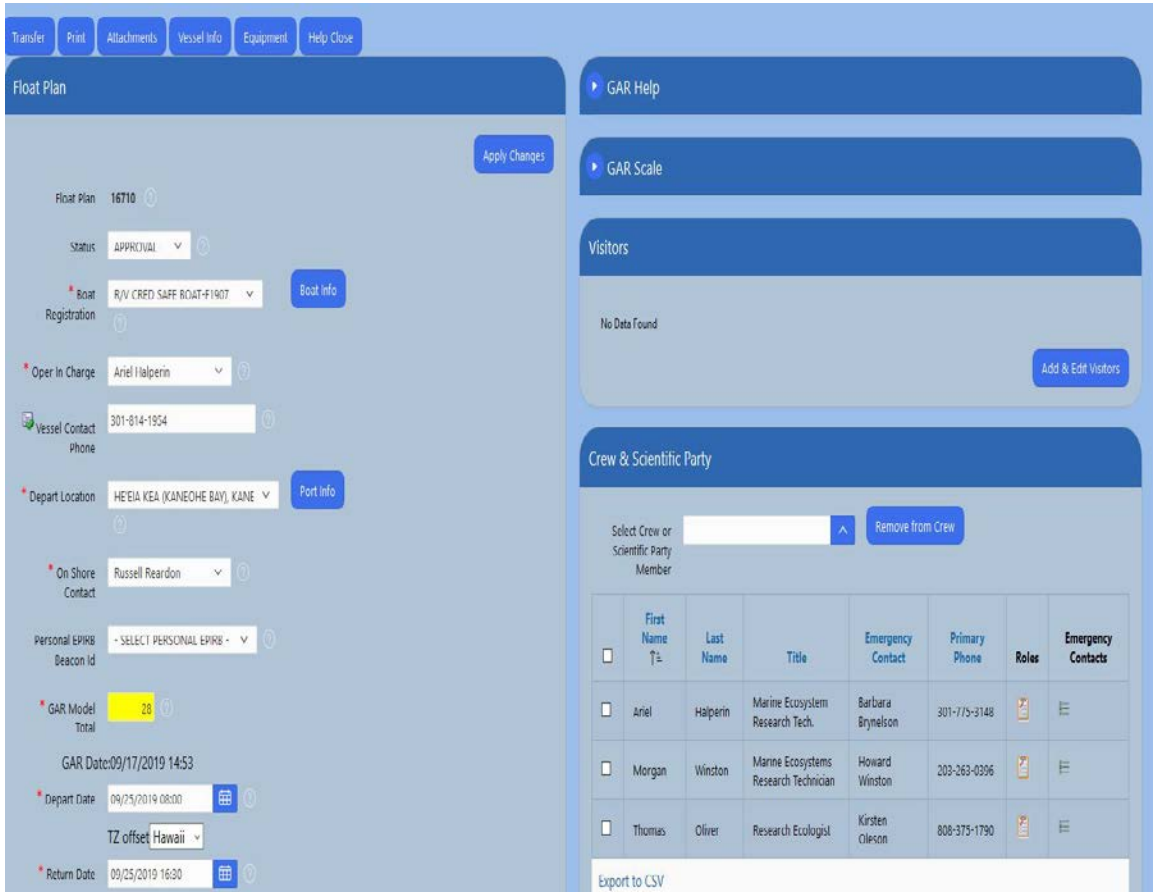
VOP Suite

Modules include:

- **VOP** - Online float plan (mobile version)
- **VIM** - Vessel Inventory Management Program
- **VRP** - Vessel Reporting Program
- **VMP** – Vessel Maintenance Program (PIFSC**)**

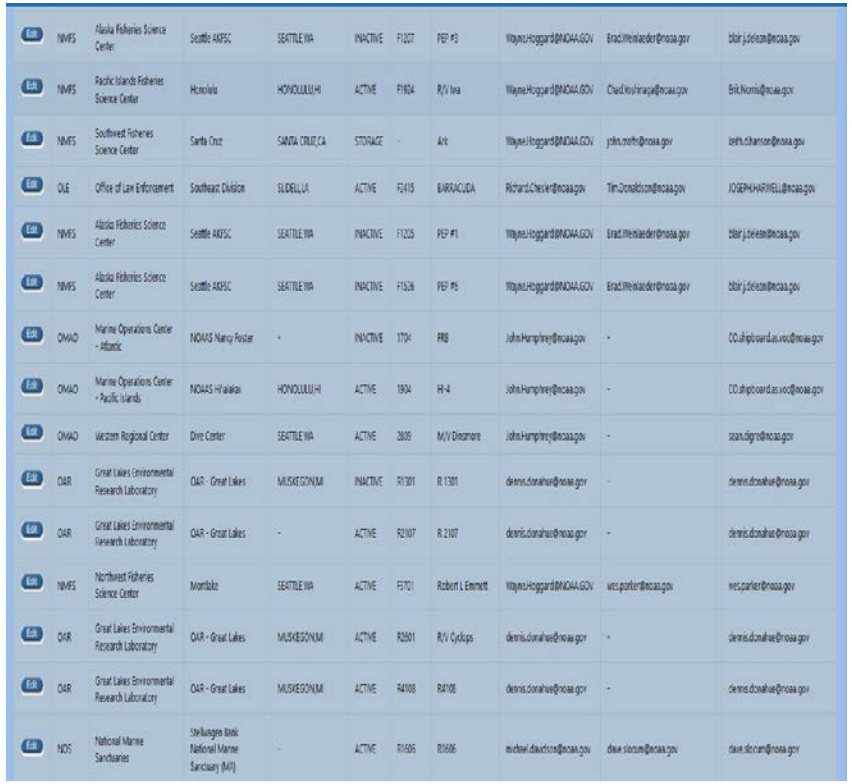
VOP – Float Plan Program

- E. Float Plan utilizing Oracle APEX
- Centralized Database for all of NOAA Float Plans
- Status notification & sharing feature
  (open, closed, overdue, approval…)
- GAR Risk Analysis incorporated
- Tracks underway time for vessels and personnel



VIM – Inventory

- Near Real Time Inventory of NOAA Owned Vessels
- ASBE and SBEX Tracking
- Capacity and Vessel Specifications
- Once stop for all related equipment and serial numbers
- Trailer Information
- Replacement Cost
- Snapshot of available Regional Assets



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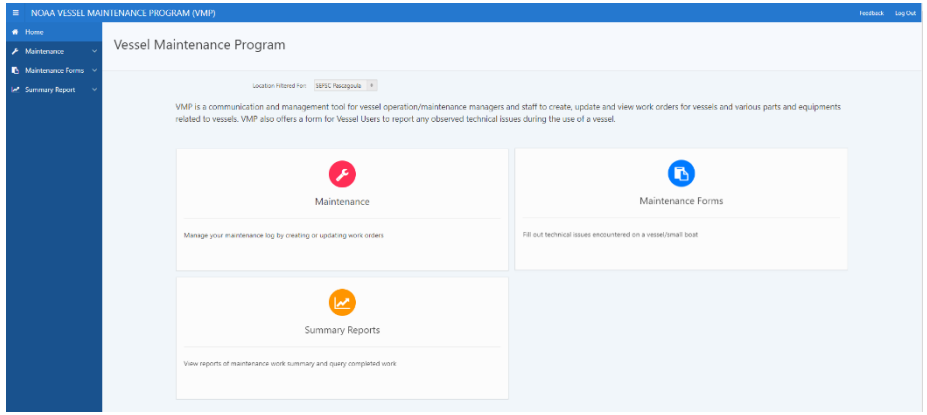
	NMFS	Alaska Fisheries Science Center	Seattle AKFSC	SEATTLE WA	INACTIVE	F1225	PEP #1	Wayne.Hoggard@NOAA.GOV	Brad.Wenlander@noaa.gov	blair.j.deem@noaa.gov
	NMFS	Alaska Fisheries Science Center	Seattle AKFSC	SEATTLE WA	INACTIVE	F1526	PEP #5	Wayne.Hoggard@NOAA.GOV	Brad.Wenlander@noaa.gov	blair.j.deem@noaa.gov
	OMAO	Marine Operations Center - Atlantic	NOAAS Nancy Foster	-	INACTIVE	1704	RIB	John.Humphrey@noaa.gov	-	CO.shipboard.as.voc@noaa.gov
	OMAO	Marine Operations Center - Pacific Islands	NOAAS Hi'ialakai	HONOLULU,HI	ACTIVE	1904	H-4	John.Humphrey@noaa.gov	-	CO.shipboard.as.voc@noaa.gov
	OMAO	Western Regional Center	Dive Center	SEATTLE WA	ACTIVE	2605	M/V Diesmore	John.Humphrey@noaa.gov	-	sean.digr@noaa.gov
	OAR	Great Lakes Environmental Research Laboratory	OAR - Great Lakes	MUSKEGON,MI	INACTIVE	R1301	R 1301	dennis.donahue@noaa.gov	-	dennis.donahue@noaa.gov
	OAR	Great Lakes Environmental Research Laboratory	OAR - Great Lakes	-	ACTIVE	R2107	R 2107	dennis.donahue@noaa.gov	-	dennis.donahue@noaa.gov
	NMFS	Northwest Fisheries Science Center	Montlake	SEATTLE WA	ACTIVE	F1701	Robert L Emmett	Wayne.Hoggard@NOAA.GOV	wes.parker@noaa.gov	wes.parker@noaa.gov
	OAR	Great Lakes Environmental Research Laboratory	OAR - Great Lakes	MUSKEGON,MI	ACTIVE	R2601	R/V Cyclops	dennis.donahue@noaa.gov	-	dennis.donahue@noaa.gov
	OAR	Great Lakes Environmental Research Laboratory	OAR - Great Lakes	MUSKEGON,MI	ACTIVE	R4108	R4108	dennis.donahue@noaa.gov	-	dennis.donahue@noaa.gov
	NOS	National Marine Sanctuaries	Stellwagen Bank National Marine Sanctuary (MA)	-	ACTIVE	R1605	R1606	michael.dawicke@noaa.gov	dave.slocum@noaa.gov	dave.slocum@noaa.gov

VRP – Reports

- Provides access to the entire VOP database
- “View Only” - Inventory of all NOAA Boats
- Running 30 day activity list by location
- Generate custom reports - line office, location, boat…
- Snapshot of available vessels and capability
- Open to all noaa.gov

VMP – Maintenance

- Latest module that will be covered on Thursday
- Developed and maintained by Pacific Islands Fisheries Science Center
- Tool to report, track and verify issues were resolved
- Track and verify maintenance performed
- Optional module available within the VOP suite



Added value of a centralized Float Plan database

- Minimize data calls – allows for data mining
- Standardized and automated – Fleet Metrics
- Provides mission details to VIM
- Provide context to accident reports – rates and exposure
- Electronic Log Book for Licensed Operators
- FOIA Requests – data readily available and accessible
- Supports project accounting and operating costs when coupled with unit financials
- Document measures of value, level of effort

Critical to the SB Program Strategic Plan and Products

Policy Development

- Maintenance of the Standards and Procedures Manual
- Address emerging safety or mission issues
- Ensure compliance, identify deficiencies and provide support
- Evaluate Policy effectiveness, benchmark program

Organizational Support

- Organize Bi-annual Summit
- A Forum for Cross-Line Office communication and Coordination
- Establish Technical Working Groups
- Accident / Incident Investigations, corrective actions and lessons learned

Resources

- Engineering , Inspection and Training Coordinators
- Maintain NOAA Component Curriculum
- Develop PQS, Mission and risk assessment libraries
- Tools and organizational support for VOC's

Information Management

- Publish annual Fleet metrics
- Maintain a centralized data base infrastructure
- Provide Inventory and Float Plan management tools
- Acquisitions, Capital and Operating Budget summaries

Engagement

- Platform Advocacy Small Boat Value and Challenges
- Publish a Program Annual Report
- Alignment with the Dive Program and other Safety Boards
- Participate with Agency efforts on emerging missions and technologies

Best Management Practices

- Identify centers of technical and mission expertise
- Facilitate sharing of community and NOAA resources
- Evaluate Industry trends and innovations
- Address Fleet gaps in mission, technology or organization

VOP Data Base Timeline

2018

- Board votes to support VOP as the central data base
- Creates action plan to support a robust cross-line tool
- Creates a plan to secure corporate funding
- Creates a plan to address LO and unit concerns

2019

- OMAO support for IT position. Board advocates for long term funding
- Working group and oversight team
- Enhancements to VOP
- Resolve LO issues, interfaces
- Training, tech support

2020

- Training, tech support
- VOP use becomes mandatory with issuance of 4.2 S&PM
- FY20 field season transition period
- Working group and oversight team adjustments