

U.S. Department of Commerce
National Oceanic & Atmospheric Administration



Privacy Impact Assessment
for the
NOAA4600
Northwest Fisheries Science Center (NWFSC)

Reviewed by: Mark Graff Bureau Chief Privacy Officer

- ☐ Concurrence of Senior Agency Official for Privacy/DOC Chief Privacy Officer
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Signature of Senior Agency Official for Privacy/DOC Chief Privacy Officer

Date

**U.S. Department of Commerce Privacy Impact Assessment
NOAA/NMFS/Northwest Fisheries Science Center**

Unique Project Identifier: NOAA4600

Introduction: System Description

Provide a brief description of the information system.

NOAA4600 supports the mission of the Northwest Fisheries Science Center (NWFSC). The NWFSC's research effort is organized around four major themes. The NWFSC incorporates climate research into each of these themes to improve understanding of the effects of climate on ecosystems. In addition, each theme also integrates social science research that seeks to better understand the human values, actions, communities and institutions that influence marine and anadromous fish, marine mammals, and other species and ecosystems in the Pacific Northwest.

1. Sustainable, Safe and Secure Seafood for Healthy Populations and Vibrant Communities
2. Ecosystem Approach to Improve Management of Marine Resources
3. Recovery and Rebuilding of Marine and Coastal Species
4. Habitats to Support Sustainable Fisheries and Recovered Populations

Address the following elements:

(a) Whether it is a general support system, major application, or other type of system

NOAA4600 is a General Support System that supports the mission of the Northwest Fisheries Science Center (NWFSC).

(b) System location

NOAA4600 is located throughout the Pacific Northwest with headquarters located in Seattle,

Washington and field sites located in:

- Newport, Oregon
- Manchester, Washington
- Hammond, Oregon
- Pasco, Washington

(c) Whether it is a standalone system or interconnects with other systems (identifying and describing any other systems to which it interconnects)

NOAA4600 interconnects with other systems inside and outside of the NMFS internal network.

Monterrey Bay Aquarium Research Institute (MBARI) - Used to connect the NWFSC guest network to an Environmental Sample Processor (ESP) device use for detecting Harmful Algal Blooms.

NOAA4000 - Fisheries WAN and Enterprise Services - Used for wide-area network (WAN) connectivity to NMFS related assets managed at the headquarters including Office of Law Enforcement VMS and declaration data.

NOAA4800 - Alaska Fisheries Science Center (AKFSC) Network - Used to access the North Pacific (NORPAC) groundfish and halibut observer data

NOAA4930 - Southwest Fisheries Science Center (SWFSC) Network - Used to allow SWFSC access to a NWFSC file share by static IP addresses and access the SEDNA system for server management

(d) The way the system operates to achieve the purpose(s) identified in Section 4

Utilizing applications, web services, and database-to-database connections; NWFSC scientists are able to analyze data and extrapolate new scientific models sharing their findings with the scientific community.

(e) How information in the system is retrieved by the user

The Observer Production (OBSPROD) and Observer Logistic (OBSLOG) systems have a web interface that allows a user to access remotely. In order for the user to access any of the data, they must enter a previously supplied userid and password combination into the web application. Once authenticated, the user can selectively navigate the system to retrieve information. Most users access both systems using the web interface, there are West Coast Groundfish Observer Program (WCGOP) staff that access both databases directly using SQL Developer/SQL Plus to query non-aggregated and sensitive data. Users with direct access query data to fill data requests and for analysis purposes. In-season Catch Share specific data is disseminated daily to the Vessel Account System in the Individual Fishing Quota (IFQ) database for in-season quota management. Electronic Monitoring (EM) recorded video footage is retrieved from internal file shares and analyzed with specialized software.

The Economic Data Collection (EDC) Program staff logs into a web application that allows a user to

log receipts of EDC forms, log communications with participants, and edit data as necessary. Aside from accessing the data through the web application, each member of the EDC staff has also been given a production database account that they may use to perform additional analysis directly against the raw economic data stored in the database. They access the database account using either the Rstudio client or the approved client for the database platform it is stored in.

Most access to the Permits Program is provided to authenticated application users, who access the data through custom built web applications and data access is determined by their application role. All individuals who are granted access to the data sign a non-disclosure agreement on an annual basis. All NOAA users authenticate through a NOAA managed LDAP server, while state partners have a unique username and password that is managed by the NWFSC Scientific Data Management (SDM) Team. There are also 2 authenticated web services. The first provides IFQ landing reports based on IFQ account authentication and the second provides the association of Permits to IFQ Vessel Accounts to the Pacific States Marine Fisheries Commission (PSMFC) through a unique authenticated user account. System owners can connect directly to the database schemas to validate and query data, and deploy new applications and custom database procedures. There are also NOAA staff that have read access to several database views, through named user access. Finally, some non-confidential information that is made available to the public through public reports on the Permits and IFQ applications.

Office of Law Enforcement (OLE) Vessel Monitoring System (VMS) data is accessible with a production database account that is utilized to perform analysis by aggregating data from various sources. They access the database account using either the Rstudio client or the approved client for the database platform it is stored in. Declarations data is accessible through two separate authenticated web applications.

(f) How information is transmitted to and from the system

All web applications utilize SSL certificates or the TLS 2.0 standard for all data encryption where appropriate.

(g) Any information sharing

West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG)

A portion of the system does reside in the NORPAC database maintained at the Alaska Fisheries Science Center. The At-Sea Hake Observer Program (A-SHOP) data is selectively downloaded nightly from the database at AFSC into the database managed locally at NWFSC. Direct access is not very prevalent for the sharing of Observer data as groups at the Northwest Fisheries Science Center and Office of Law enforcement are the only federal entities that can access the data directly. Personnel in the Fishery Resource Analysis and Monitoring Division, Scientific Data Management Group, and Genetics division are given direct access to locations, catch, biological, and protected resource data for analysis and in-season management. Certain personnel from the Office of Law Enforcement are also given direct access to Observer reported safety incidents and violations along with fishery-dependent catch data that includes locations.

Most of the Observer data shared to others is through different reoccurring batch/bulk transfers. Certain scientists at the Northwest Fisheries Science Center, aside from the staff identified as ones with direct access, are given subsets of the data including locations, catch, biological and protected resources. The NMFS West Coast Regional office receives annual analysis reports including locations, catch, biological, and protected resource data. Both the SW Fisheries Science Center and the National Marine Mammal Lab receive annual reports of protected species data that includes locations and vessel specific data. In terms of State, local, and tribal gov't agencies, there are three high-level groups that receive annual data from the Observer program. The California Department of Fish and Wildlife, Oregon Department of Fish and Wildlife, and Washington State Department of Fish and Wildlife also receives fishery dependent-data that includes locations, catch, biological, and protected resource data. The Pacific States Marine Fisheries Commission and the Pacific Fishery Management Council both are given confidential reports of fishery dependent-data that includes locations, catch, biological, and protected resource data as defined under the Magnuson Stevens Act (MSA).

On occasion, groups have asked the Observer program for one-time subsets of the trip or catch data. These groups range from groups that already have access to observer data but needs something that they are not regularly given or entities that do not normally have access but need a subset of data to finish their task. The Office of Law Enforcement has certain personnel that require catch data for specific cases they are investigating so custom data is generated for them. The National Ocean Services on request are given Fishery dependent-data that included fishing locations and catch related data to inform aquaculture management. Various Native American Tribes that are part of the Pacific Fishery Management Council are given Fishery dependent-data that included fishing locations, catch, and biological related data to inform fisheries management when requested. The Observer program also provides information to the private sector although there is higher burden concerning proof of need due to the sensitivity of the data. Observer providers and contractors request Fisheries observer performance evaluations. Various members of the fishing industry (i.e., vessel owner or captain) request vessel specific fishery-dependent-data that includes locations, catch, biological, and protected resource data. Non-governmental Organizations at times request protected species data (Marine Mammals, Birds, etc.) that includes interaction locations and vessel specific data. Finally, Education institutions and students request fishery dependent-data that includes locations, catch, biological, and protected resource data.

Economic Data Collection (EDC)

The Economic Data Collection program receives its data from various entities. The program requests data on costs, revenue, ownership, and employment and this information is used to study the economic impacts of the West Coast Trawl Groundfish Catch Share Program on affected harvesters, processors, and communities, as well as net benefits to the nation. Pacific States Fisheries Center also shares various catch share data that has been collected from various states. Finally, the West Coast Groundfish Permits Program shares permit and quota data that is tied into the economic data.

The sharing of the EDC data is very limited, which is broken up between the select few that have direct access to all economic data for research and management support purposes, and the case-by-case approvals for subsets of data used to answer specific fishery management questions. Users with direct access are Economists (federal staff + contractors) within the Fishery Resource Analysis and

Monitoring (FRAM) division, IT, and NWFSC Software Data Management Team. Users with case-by-case access have been West Coast Region economists, Pacific Fishery Management Council staff and contractors, Academic researchers under contract with NWFSC Economists to conduct specific analyses, and economists in the Columbia Basin group request EDC data to answer specific fishery management and research questions.

West Coast Groundfish Permits Program

Any PII/BII is stored in the database system and access is only provided to authorized users. All information is entered directly by WCR permit's staff. Non confidential information is made available to the public through public reports on the Permits application.

The primary group of users and the only group that can edit data, includes named NOAA users within the West Coast Regional (WCR) Permits Office who have read and write access through a web application. These users can modify PII and BII data including tax identification numbers, birth dates, contact information, and the ownership interest structure of permit owners and IFQ Account owners. These users can also view IFQ vessel account and quota share account information, including quota pound and quota share balances, landing and discard information and deficits, and as well as quota pound and quota share transfer details. There are also application users and named database users within the Economic Data Collection (EDC) program at the NWC, who have read only access to ownership information, quota pound and quota share transfers, and landing and discard data through role based access to a web application. Federal SDM team members can connect directly to the database schemas to validate and query data, and deploy new applications and custom database procedures.

Certain personnel in the NOAA West Coast Office of Law Enforcement as well State Law Enforcement agencies who have read only access to data reports through role based access to a web application, that allow them to track when a vessel account goes into deficit and to monitor the status of the deficit. They are also provided access to landing and discard amounts at the trip level, but not fishing locations. These users do not have access to ownership information or other PII or BII.

State level access are provided using two methods of direct access. An authenticated web service provides the association of Limited Entry Permits to Vessels fishing in the IFQ fishery. This information is provided to the Pacific States Marine Fisheries Commission to assign IFQ vessel account identification numbers to fish ticket landings information submitted by processors and catch monitors. When the IFQ system processes landing data, this vessel account identification number is used to debit quota pounds from vessel accounts. Certain personnel in the State Law Enforcement agencies also have read only access to data reports through role based access to a web application, that allow them to track when a vessel account goes into deficit and to monitor the status of the deficit. They are also provided access to landing and discard amounts at the trip level, but not fishing locations. These users do not have access to ownership information or other PII or BII.

Depending on the type of data, there are various levels of direct access given to the private sector. The first are Limited Entry Permit owners who have access to submit permit renewals, monitor the status of their renewal, and print Permit certificates through an authenticated web application. These users are provided an access token that grants access only to permits that they own. The second group of private sector users are IFQ Vessel and Quota Share Account owners who access their accounts through an authenticated web application. This application allows account owners to check

Quota Pound and/or Quota Share balances, landing and discard information, and complete Quota Pound and/or Quota Share transfers. Finally, an authenticated web service provides IFQ landing reports based on IFQ account authentication. This web service is available to all IFQ vessel account owners and is typically used by managers who are hired by IFQ vessel account owners to manage their quota pound balances. The web service requires the IFQ account user id and password to be authenticated.

There are also some non-confidential information that is made available to the public through public reports on the Permits and IFQ applications. The public has access to permit data such as the owner of the permit and the vessel that the permit is currently registered to. This includes address information for both parties, permit endorsements and vessel length. The public has access to IFQ sector limit allocations, carryover allocations, and catch to date at the species level. In terms of Quota Share data, the public has access to the owner name and quota share percentages and quota pound allocations at the species level. In terms of Vessel data, the public has access to the owner name and quota pound balances (but does not show deficit) and the remaining limit of quota pounds that can be transferred into the account. The public also has access to the average price per pound by species for species where there is enough data available to determine the calculation without divulging who made the transfers.

On occasion the WCR Permits Office may require custom reports which are specific subsets of permit and vessel data that are generated by the NWC SDM Team and shared through a secure file share. There was also one case-by-case instance where access to ownership interest information (our most sensitive data) had been granted to a Fisheries Council member who works for the Washington Department of Fish and Wildlife. This person had signed an NDA and data was shared through a secure file share. It is possible that this request might change to an annual request as this information may change over time.

In addition to those disclosures generally permitted under 5 U.S.C. 552a(b) of the Privacy Act, these records or information contained therein may specifically be disclosed outside the Department of Commerce (Department). These records or information contained therein may specifically be disclosed as a routine use. The Department will, when so authorized, make the determination as to the relevancy of a record prior to its decision to disclose a document.

Office of Law Enforcement (OLE) Vessel Monitoring System (VMS)

Vessel Monitoring System (VMS) data is split into two categories: vessel tracking and declarations. Vessel tracking data is copied from the Office of Law Enforcement and stored within the information system for local analysis by NWFSC staff. Vessel tracking is not shared publicly and requires authenticated access by NWFSC staff. Declarations data is stored and utilized by two separate authenticated web applications. The Boatnet application provides a secure web application for fishers to electronically record their declarations independently. This application is provided in conjunction with the existing Declarations service that Office of Law Enforcement (OLE) Vessel Monitoring System (VMS) technicians provide. It provides the entry point for declarations that reside in the VMS system and receives that information back from the VMS system for review and access by NOAA staff and the fishers that hold accounts

(h) The specific programmatic authorities (statutes or Executive Orders) for collecting, maintaining, using, and disseminating the information

West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG)

This application follows the Magnuson Stevens Fishery Conservation and Management Act (MSA), Marine Mammal Protection Act, Endangered Species Act, and 50 CFR 660.16 Groundfish observer program.

Economic Data Collection (EDC) Database

EDC program is mandatory under the regulation 50 CFR 660.114. It also follows the Magnuson Stevens Fishery Conservation and Management Act (MSA), 50 CFR 660.114, and the Trawl fishery - economic data collection program regulations.

West Coast Groundfish Permits Program

Applications for permits and registrations are collected from individuals under the authority of the Magnuson-Stevens Fishery Conservation and Management Act, the High Seas Fishing Compliance Act, the American Fisheries Act, the Tuna Conventions Act of 1950, the Atlantic Coastal Fisheries Cooperative Management Act, the Atlantic Tunas Convention Authorization Act, the Northern Pacific Halibut Act, the Antarctic Marine Living Resources Convention Act, the Western and Central Pacific Fisheries Convention Implementation Act (WCPFCIA; 16 U.S.C. 6901 et seq), international fisheries regulations regarding U.S. Vessels Fishing in Colombian Treaty Waters, the Marine Mammal Protection Act, the Endangered Species Act and the Fur Seal Act. The authority for the mandatory collection of the Tax Identification Number is 31 U.S.C. 7701.

Office of Law Enforcement (OLE) Vessel Monitoring System (VMS)

The overall authority for federal fishery management is the Magnuson-Stevens Conservation and Management Act (16 U.S. Code 1801 et. seq.)

(i) The Federal Information Processing Standards (FIPS) 199 security impact category for the system

NOAA4600 System Security Categorization is Moderate

Confidentiality = Moderate

Integrity = Moderate

Availability = Moderate

Section 1: Status of the Information System

1.1 Indicate whether the information system is a new or existing system.

_____ This is a new information system.

X This is an existing information system with changes that create new privacy risks.
(Check all that apply.)

Changes That Create New Privacy Risks (CTCNPR)					
a. Conversions		d. Significant Merging		g. New Interagency Uses	X
b. Anonymous to Non- Anonymous		e. New Public Access	X	h. Internal Flow or Collection	X
c. Significant System Management Changes		f. Commercial Sources		i. Alteration in Character of Data	
j. Other changes that create new privacy risks (specify):					
<ul style="list-style-type: none"> Storage of Office of Law Enforcement Vessel Monitoring System Data <ul style="list-style-type: none"> Our researches have a project that require the use of VMS data and requires storage of this data within NOAA4600; the data is only shared internally but it is now being stored in NOAA4600. New web application for Office of Law Enforcement Declarations <ul style="list-style-type: none"> A new web application module was developed for data entry of declarations data by fishery participants. WCGOP is also involved in Electronic Monitoring (EM) initiatives which collect recorded video footage during commercial fishing operations. Recorded video footage is stored for future review and analysis. 					

_____ This is an existing information system in which changes do not create new privacy risks, and there is not a SAOP approved Privacy Impact Assessment.

_____ This is an existing information system in which changes do not create new privacy risks, and there is a SAOP approved Privacy Impact Assessment.

Section 2: Information in the System

2.1 Indicate what personally identifiable information (PII)/business identifiable information (BII) is collected, maintained, or disseminated. (Check all that apply.)

Identifying Numbers (IN)					
a. Social Security*		f. Driver's License		j. Financial Account	
b. Taxpayer ID	X	g. Passport		k. Financial Transaction	X**
c. Employer ID		h. Alien Registration		l. Vehicle Identifier	
d. Employee ID		i. Credit Card		m. Medical Record	
e. File/Case ID					

<p>n. Other identifying numbers (specify): Captain's license, State and Federal Dealer Numbers (if applicable), permit or license numbers for Federal or state permit/licenses issued and start and end dates and other permit status codes, vessel name and registration number</p> <p>** West Coast Groundfish Permits: check number, date and amount, for permit fees</p> <p>*Explanation for the business need to collect, maintain, or disseminate the Social Security number, including truncated form:</p>
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General Personal Data (GPD)					
a. Name	X*	h. Date of Birth	X	o. Financial Information	X
b. Maiden Name		i. Place of Birth		p. Medical Information	
c. Alias		j. Home Address	X	q. Military Service	
d. Gender		k. Telephone Number	X	r. Criminal Record	X
e. Age		l. Email Address	X	s. Marital Status	X
f. Race/Ethnicity		m. Education	X	t. Mother's Maiden Name	
g. Citizenship		n. Religion			
<p>u. Other general personal data (specify): West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG): Observers' emergency contact information (whom to contact in case of observer emergency)</p> <p>Economic Data Collection (EDC): costs, revenue, ownership, and employment</p> <p>West Coast Groundfish Permits: *Permit applicant, permit holder, permit transferor/transferee, vessel owner, vessel operator, dealer applicant, dealer permit holder. Name of corporation, state and date of incorporation of business and articles of incorporation, marriage certificate, divorce decree, death certificate</p>					

Work-Related Data (WRD)					
a. Occupation	X	e. Work Email Address	X	i. Business Associates	X
b. Job Title	X	f. Salary	X	j. Proprietary or Business Information	X
c. Work Address	X	g. Work History	X	k. Procurement/contracting records	X
d. Work Telephone Number	X	h. Employment Performance Ratings or other Performance Information	X		
<p>l. Other work-related data (specify): West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG): observer deployments, official observer statements (also called incident reports, affidavits). Sometimes when an observer witnesses a potential violation, OLE requests them to fill out a statement regarding the event; vessel length and type; vessel safety checklist, work related Performance (Training, Scores, Evaluations)</p> <p>Economic Data Collection (EDC): costs, revenue, ownership, and employment</p> <p>West Coast Groundfish Permits: vessel name, vessel length overall</p> <p>Office of Law Enforcement (OLE) Vessel Monitoring System (VMS): vessel location, type of gear being used</p>					

Distinguishing Features/Biometrics (DFB)					
a. Fingerprints		f. Scars, Marks, Tattoos		k. Signatures	
b. Palm Prints		g. Hair Color	X	l. Vascular Scans	

c. Voice/Audio Recording		h. Eye Color	X	m. DNA Sample or Profile	
d. Video Recording	X	i. Height	X	n. Retina/Iris Scans	
e. Photographs	X	j. Weight	X	o. Dental Profile	
p. Other distinguishing features/biometrics (specify):					

System Administration/Audit Data (SAAD)					
a. User ID	X	c. Date/Time of Access	X	e. ID Files Accessed	
b. IP Address	X	f. Queries Run	X	f. Contents of Files	
g. Other system administration/audit data (specify):					

Other Information (specify)
West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG): vessel characteristics information (name, USCG #, # of crew, captain name), fishing effort information (fishing locations, gear used, depth, etc.), catch information (species caught, retained and discard, species compositions), biological data (otoliths, lengths, tissue samples) and protected species information (takes, injuries, sightings, samples, specimen collection)
Economic Data Collection (EDC): species catch information
West Coast Groundfish Permits: Species, aggregate catch data and statistics, quota share balance, quota pound balance, quota pound limits, listings of endorsements and designations (i.e., gear endorsement, size endorsement, sector endorsement, permit tier) associated with the permit, name of physical IFQ landing site, Exemptions (i.e., Owner on Board - Grandfathered Exemption, Owner on Board, as stated in code of federal regulations) and exemption status, contact persons. Catch/Observer Discard Data, Quota Share/Quota Pound Transfer Data, Business Operation Information (Business Processes, Procedures, Physical Maps)

2.2 Indicate sources of the PII/BII in the system. *(Check all that apply.)*

Directly from Individual about Whom the Information Pertains					
In Person	X	Hard Copy: Mail/Fax	X	Online	X
Telephone	X	Email	X		
Other (specify):					

Government Sources					
Within the Bureau	X	Other DOC Bureaus		Other Federal Agencies	X
State, Local, Tribal	X	Foreign			
Other (specify):					

Non-government Sources					
Public Organizations		Private Sector	X*	Commercial Data Brokers	
Third Party Website or Application					
Other (specify):					
*State or Regional Marine Fisheries Commission's Data					

2.3 Describe how the accuracy of the information in the system is ensured.

West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG): Data is entered by Observer personnel and is run through nearly 300 rigorous trip error checks to ensure the validity of the data. All data is also reviewed by Observer debriefing personnel to ensure the accuracy and validity of the data.

Economic Data Collection (EDC): Data is either entered directly by commercial fishermen or double-key entered by EDC staff members to ensure accuracy. All data is reviewed during a quality control process by EDC staff, during which time EDC staff address potential inaccuracies by working directly with the commercial fishermen to confirm data entries.

West Coast Groundfish Permits Program: Historic data that was migrated into the PERMITS database managed by NWFSC, has been validated with the WCR Permits Office. With that said there are still a few outliers of historic data that was not migrated correctly. This information of historic permit records has not been deemed critical and due to the manual work involved to correct this data, it has not yet been corrected. Historic data records are or will be manually corrected. Since the NWFSC has managed this database, all data is validated by the WCR Permits Office. This includes creating new Permits for a new year and any permit ownership or vessel registration transfers and vessel ownership transfers.

2.4 Is the information covered by the Paperwork Reduction Act?

X	Yes, the information is covered by the Paperwork Reduction Act. Provide the OMB control number and the agency number for the collection. IFQ: 0648-0620 EDC: 0648-0618 Observer: 0648-0593, 0648-0606, 0648-0749
	No, the information is not covered by the Paperwork Reduction Act.

2.5 Indicate the technologies used that contain PII/BII in ways that have not been previously deployed. (Check all that apply.)

Technologies Used Containing PII/BII Not Previously Deployed (TUCPBNPD)			
Smart Cards		Biometrics	
Caller-ID		Personal Identity Verification (PIV) Cards	
Other (specify):			

X	There are not any technologies used that contain PII/BII in ways that have not been previously deployed.
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Section 3: System Supported Activities

3.1 Indicate IT system supported activities which raise privacy risks/concerns. (Check all that apply.)

Activities			
Audio recordings		Building entry readers	X
Video surveillance	X	Electronic purchase transactions	
Other (specify):			
	There are not any IT system supported activities which raise privacy risks/concerns.		

Section 4: Purpose of the System

- 4.1 Indicate why the PII/BII in the IT system is being collected, maintained, or disseminated.
(Check all that apply.)

Purpose			
For a Computer Matching Program		For administering human resources programs	
For administrative matters	X	To promote information sharing initiatives	
For litigation	X	For criminal law enforcement activities	X
For civil enforcement activities	X	For intelligence activities	
To improve Federal services online		For employee or customer satisfaction	
For web measurement and customization technologies (single-session)		For web measurement and customization technologies (multi-session)	
Other (specify):			

Section 5: Use of the Information

- 5.1 In the context of functional areas (business processes, missions, operations, etc.) supported by the IT system, describe how the PII/BII that is collected, maintained, or disseminated will be used. Indicate if the PII/BII identified in Section 2.1 of this document is in reference to a federal employee/contractor, member of the public, foreign national, visitor or other (specify).

West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG)

- WCGOP Database: Information collected from vessels is used in fisheries management and stock assessments. Information collected by observers, including statements of fact from vessels in the fishery may also be used by law enforcement to investigate and prosecute potential violations or criminal activity. Information collected is from members of the public.
- OBSLOG: Information collected is used to determine eligibility of applicants wishing to be trained as a federal fishery observer. There are educational and other requirements specified in the federal register that must be met for a person to be eligible. OBSLOG also serves as the access point to OLE and USCG to view statements of fact and other incidents. Statements of fact are stored in the WCGOP database, but are viewable in OBSLOG via a database link. Information collected is from members of the public.

Economic Data Collection (EDC)

EDC requests data on costs, revenue, ownership, and employment and this information is used to study the economic impacts of the West Coast Trawl Groundfish Catch Share Program on affected harvesters, processors, and communities, as well as net benefits to the nation. Information is collected so that EDC economists may evaluate the Catch Share Program. Aggregated data and analyses are compiled into a report and presented to the Pacific Fishery Management Council.

Additional economic analyses may be conducted by other NMSF staff. Information collected is from members of the public.

West Coast Groundfish Permits Program

This information will allow NMFS to identify owners and holders of permits and non-permit registrations and vessel owners and operators, evaluate permit applications, and document agency actions relating to the issuance, renewal, transfer, revocation, suspension or modification of a permit or registration. Tax Identification Numbers allow positive identification for cost recovery billing of IFQ holders.

Office of Law Enforcement (OLE) Vessel Monitoring System (VMS)

The declaration information is used to ensure compliance with regional and federal fishing regulations. The data is also utilized to analyze fishing activity in relation to whale and turtle entanglements on the West coast. The data is joined with other data sources with a goal of identifying methods for reducing whale and turtle entanglements off the West Coast.

- 5.2 Describe any potential threats to privacy, such as insider threat, as a result of the bureau's/operating unit's use of the information, and controls that the bureau/operating unit has put into place to ensure that the information is handled, retained, and disposed appropriately. (For example: mandatory training for system users regarding appropriate handling of information, automatic purging of information in accordance with the retention schedule, etc.)

Both external threats and insider threats pose a potential threat to privacy of the information stored. Additionally, any process or person that would disclose NOAA4600 data in an unauthorized or negligent manner are considered a threat. NOAA4600 implements various controls to protect the unauthorized disclosure of information including:

- Implementation of security standards on IT equipment which the data is stored
- Annual IT Security Training
- Non-disclosure agreements
- Enforcement of least privilege
- Utilization of encryption
- Sanitization of media

Section 6: Information Sharing and Access

- 6.1 Indicate with whom the bureau intends to share the PII/BII in the IT system and how the PII/BII will be shared. *(Check all that apply.)*

Recipient	How Information will be Shared		
	Case-by-Case	Bulk Transfer	Direct Access
Within the bureau	X	X	X
DOC bureaus	X		
Federal agencies	X		
State, local, tribal gov't agencies	X	X	X
Public		X	
Private sector	X		X
Foreign governments			
Foreign entities			
Other (specify):			

<input type="checkbox"/>	The PII/BII in the system will not be shared.
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- 6.2 Does the DOC bureau/operating unit place a limitation on re-dissemination of PII/BII shared with external agencies/entities?

<input checked="" type="checkbox"/>	Yes, the external agency/entity is required to verify with the DOC bureau/operating unit before re-dissemination of PII/BII.
<input type="checkbox"/>	No, the external agency/entity is not required to verify with the DOC bureau/operating unit before re-dissemination of PII/BII.
<input type="checkbox"/>	No, the bureau/operating unit does not share PII/BII with external agencies/entities.

- 6.3 Indicate whether the IT system connects with or receives information from any other IT systems authorized to process PII and/or BII.

<input checked="" type="checkbox"/>	<p>Yes, this IT system connects with or receives information from another IT system(s) authorized to process PII and/or BII.</p> <p>Provide the name of the IT system and describe the technical controls which prevent PII/BII leakage: NOAA4000 - Fisheries WAN and Enterprise Services NOAA4800 - Alaska Fisheries Science Center (AKFSC) NOAA4930 - Southwest Fisheries Science Center (SWFSC)</p> <p>NOAA4600 also has a connection with an non-FISMA system, the Monterey Bay Aquarium Research Institute (MBARI)</p> <p>All traffic is routed over an enterprise WAN connection and additional firewall access control levels limit the connection to specific resources and ports. Secure database connections (when a database connection is utilized) and appropriate access control levels on named database accounts are utilized.</p>
<input type="checkbox"/>	No, this IT system does not connect with or receive information from another IT system(s) authorized to process PII and/or BII.

- 6.4 Identify the class of users who will have access to the IT system and the PII/BII. *(Check*

all that apply.)

Class of Users			
General Public	X	Government Employees	X
Contractors	X		
Other (specify): West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG): Members of the General Public who have a demonstrated need and have signed a Non-Disclosure Agreement are granted access to data via the FRAM data warehouse. Data sharing agreements may also be used for valid collaborators for research purposes. Economic Data Collection (EDC): Members of the General Public who have a demonstrated need and have signed a Non-Disclosure Agreement are granted access to data via the FRAM data warehouse.			

Section 7: Notice and Consent

7.1 Indicate whether individuals will be notified if their PII/BII is collected, maintained, or disseminated by the system. *(Check all that apply.)*

X	Yes, notice is provided pursuant to a system of records notice published in the Federal Register and discussed in Section 9.	
X	Yes, notice is provided by a Privacy Act statement and/or privacy policy. The Privacy Act statement and/or privacy policy can be found at: West Coast Groundfish Observer Program (WCGOP) https://nwcoa3.nwfsc.noaa.gov/obsprod/logon.display (Displays a pop-up that requires Internet Explorer or Firefox to access the app and statement) Observer Logistics (OBSLOG) https://www.webapps.nwfsc.noaa.gov/apex/ifu/f?p=505:28 Economic Data Collection (EDC) https://www.webapps.nwfsc.noaa.gov/edc/PrivacyAct West Coast Groundfish Individual Fishing Quote (IFQ) https://www.webapps.nwfsc.noaa.gov/ifu (Scroll to the bottom and click "IFQ Privacy Act Statement to open the pop-up window. The Statement is also available when user clicks the "Log In" button) West Coast Groundfish Permits: https://www.webapps.nwfsc.noaa.gov/apex/ifu/f?p=112:88::POP:NO:: .	
X	Yes, notice is provided by other means.	Specify how: WCGOP and OBSLOG Observation Information: Vessel captains/owners receive letters from the permit office explaining the requirements when they apply for permits or individual fishing quota accounts. OBSLOG Observer Application: Those submitting the information are informed on the observer provider company's application that it is a requirement for participating in the program.

		<p>EDC: Notification is provided on the economic data survey instrument.</p> <p>West Coast Groundfish Permits: Notice is provided on the permit or related application.</p> <p>NOAA4600 System Maintenance Information: Information collected for employee/contractor emergency contact, and disaster recovery/continuity of operations is requested in writing. Information collected for account management is requested in writing or via email by the user's supervisor, at the time that the user requests an account on the information system</p>
	No, notice is not provided.	Specify why not:

7.2 Indicate whether and how individuals have an opportunity to decline to provide PII/BII.

X	Yes, individuals have an opportunity to decline to provide PII/BII.	<p>Specify how:</p> <p>WCGOP and OBSLOG Observation Information: Vessel captains/owners may decline to provide PII/BII in writing to observers or observer program staff, but participation in a fishery requires consent to carry an observer when directed to by the agency and to provide information requested by the observer. If the individual declines, the vessel will be fishing out of compliance with the regulations and would be in violation.</p> <p>OBSLOG Observer Application: Observer applicants may decline to provide the information by not completing the application, but they would be denied entry into the program. Eligibility to perform the duties of a federal fishery observer cannot be determined without providing PII.</p> <p>EDC: The respondent may decline by not completing and submitting the required EDC form, but that may delay the completion of administrative actions such as permit renewal, vessel registration, license issuance, and quota transfers. Economic data collection is mandatory under the Catch Share Program, and thus participation in the EDC program is mandatory under the regulation 50 CFR 660.114.</p> <p>West Coast Groundfish Permits: The personal information is collected when the individual completes the appropriate application. On application, the individual is advised that providing the information is voluntary, but that NMFS will not be able to issue a permit if the individual does not provide each item of information requested. The individual may choose to decline to provide the required personal information or to consent to the particular use of their personal information at that time.</p> <p>NOAA4600 System Maintenance Information: Employees and staff may decline to provide PII /BII for emergency contact and disaster recovery by not filling in the PII/BII information. Employees and staff may decline to provide</p>
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		account information by not applying for an account, but this may be required for their job duties.
	No, individuals do not have an opportunity to decline to provide PII/BII.	Specify why not:

7.3 Indicate whether and how individuals have an opportunity to consent to particular uses of their PII/BII.

X	Yes, individuals have an opportunity to consent to particular uses of their PII/BII.	<p>Specify how:</p> <p>WCGOP and OBSLOG Observation Information: Vessel captains/owners may not consent to provide PII/BII (by not providing notification to observers of planned trips, or not allowing observers to board), but participation in a fishery requires consent to carry an observer when directed to by the agency and to provide information requested by the observer. Observer coverage of fisheries is required by regulation and to participate in the fishery, information must be collected for management uses, including stock assessments, and may also be used by law enforcement to investigate and prosecute potential violations or criminal activity. There are no other uses.</p> <p>OBSLOG Observer Application: Consent to the use of applicant information for determination of eligibility for employment is implied by completion of the application.</p> <p>EDC: Vessel owners or captains may decline to provide consent to the use of their data in economic analyses (this is the only use of the data) by not completing the form, but failure to comply may delay the completion of administrative actions such as permit renewal, vessel registration, license issuance, and quota transfers.</p> <p>West Coast Groundfish Permits: The individual may choose to decline to provide the required personal information or to consent to the particular use of their personal information at that time (see 7.2)</p> <p>NOAA4600 System Maintenance Information: Where specified in NOAA Office of Human Capital Services forms, employees have the opportunity to consent to particular use of their PII/BII. Employee and staff General Personal Data information is required for badging and emergency notifications but users may decline to provide COOP info. Employees and staff are informed of the use of their data, and these data are not used for any other purpose.</p>
	No, individuals do not have an opportunity to consent to particular uses of their PII/BII.	Specify why not:

7.4 Indicate whether and how individuals have an opportunity to review/update PII/BII pertaining to them.

X	Yes, individuals have an opportunity to review/update PII/BII pertaining to them.	<p>Specify how:</p> <p>WCGOP and OBSLOG Observation Information: Fisher information is collected from state or federal agencies where fishers submit the information in order to participate in the fishery. Fishers may contact WCGOP administration or permitting office by email or telephone to update their contact information.</p> <p>OBSLOG Observer Application: Observers are able to submit updates or requests to view the data, to their observer provider.</p> <p>EDC: Individuals may request their original submissions of PII/BII from the federal office staff. They may update any PII/BII via phone, fax, or mail.</p> <p>West Coast Groundfish Permits: When completing or renewing a permit application or supporting document, or by calling or emailing the applicable NMFS office at any time. Permits are completed online or by reviewing and updating a paper renewal application pre-filled by NMFS with their most recent information on the permit holder.</p> <p>NOAA4600 System Maintenance Information: Instructions for updating contact information fields are provided in the forms the customer fills out. NOAA Employees can update PII on an as needed basis through their supervisor for COOP and Emergency contact information.</p>
	No, individuals do not have an opportunity to review/update PII/BII pertaining to them.	Specify why not:

Section 8: Administrative and Technological Controls

8.1 Indicate the administrative and technological controls for the system. *(Check all that apply.)*

X	All users signed a confidentiality agreement or non-disclosure agreement.
X	All users are subject to a Code of Conduct that includes the requirement for confidentiality.
X	Staff (employees and contractors) received training on privacy and confidentiality policies and practices.
X	Access to the PII/BII is restricted to authorized personnel only.
X	<p>Access to the PII/BII is being monitored, tracked, or recorded.</p> <p>Explanation: Sensitive information is being tracked in many ways. The first way is through journaling tables where each transaction is logged into separate tables that only application admins can view. Database and application auditing is also configured to provide another layer of tracking. Audit logs are used to track access of system resources. Physical access is controlled through building access monitoring and physical locks only accessible by authorized personnel.</p>
X	<p>The information is secured in accordance with the Federal Information Security Modernization Act (FISMA) requirements.</p> <p>Provide date of most recent Assessment and Authorization (A&A): <u>September 13, 2021</u></p> <p><input type="checkbox"/> This is a new system. The A&A date will be provided when the A&A package is approved.</p>
X	The Federal Information Processing Standard (FIPS) 199 security impact category for this system is a moderate or higher.
X	NIST Special Publication (SP) 800-122 and NIST SP 800-53 Revision 4 Appendix J recommended

	security controls for protecting PII/BII are in place and functioning as intended; or have an approved Plan of Action and Milestones (POA&M).
X	A security assessment report has been reviewed for the information system and it has been determined that there are no additional privacy risks.
X	Contractors that have access to the system are subject to information security provisions in their contracts required by DOC policy.
X	Contracts with customers establish DOC ownership rights over data including PII/BII.
X	Acceptance of liability for exposure of PII/BII is clearly defined in agreements with customers.
	Other (specify):

- 8.2 Provide a general description of the technologies used to protect PII/BII on the IT system. *(Include data encryption in transit and/or at rest, if applicable).*

NOAA4600 utilizes Data Resource Accounts, and Access Control Levels allow authorized staff to access NOAA4600 data which may contain PII or BII. Computer account types include, but, are not limited to, Domain Accounts, Email/LDAP Accounts, Unix Accounts, Intranet Accounts, and Local System Accounts. Group memberships are used to assign Security Access Controls to authorized Data Resource Accounts. NOAA4600 applies Least Privilege and Least Functionality principles when providing security clearance. Access Enforcement Mechanisms (Encryption-at-Rest for offline media, Encryption-in-Transit, Distributed Directory Services) are implemented to prevent malicious or accidental access by unauthorized persons.

Section 9: Privacy Act

- 9.1 Is the PII/BII searchable by a personal identifier (e.g., name or Social Security number)?

 X Yes, the PII/BII is searchable by a personal identifier.

 No, the PII/BII is not searchable by a personal identifier.

- 9.2 Indicate whether a system of records is being created under the Privacy Act, 5 U.S.C. § 552a. *(A new system of records notice (SORN) is required if the system is not covered by an existing SORN).*

As per the Privacy Act of 1974, "the term 'system of records' means a group of any records under the control of any agency from which information is retrieved by the name of the individual or by some identifying number, symbol, or other identifying particular assigned to the individual."

X	<p>Yes, this system is covered by an existing system of records notice (SORN). Provide the SORN name, number, and link. <i>(list all that apply):</i></p> <p>West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG):</p> <ul style="list-style-type: none"> • NOAA-6, Fishermen's Statistical Data • NOAA-15, Monitoring of National Marine Fisheries Service Observers <p>Economic Data Collection (EDC):</p> <ul style="list-style-type: none"> • NOAA-23, Economic Data Collection (EDC) Program for West Coast Groundfish Trawl Catch Share Program off the coast of Washington, Oregon, and California
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	<p>West Coast Groundfish Permits and Office of Law Enforcement (OLE) Vessel Monitoring System (VMS):</p> <ul style="list-style-type: none"> • NOAA -19, Permits and Registrations for United States Federally Regulated Fisheries <p>NOAA4600 System Maintenance Information:</p> <ul style="list-style-type: none"> • COMMERCE/DEPT-25, Access Control and Identity Management System <p>Employee/Contractor Badging/COOP</p> <ul style="list-style-type: none"> • COMMERCE/DEPT-18, Employee Personnel Files Not Covered by Notices of Other Agencies
	Yes, a SORN has been submitted to the Department for approval on <u>(date)</u> .
	No, this system is not a system of records and a SORN is not applicable.

Section 10: Retention of Information

10.1 Indicate whether these records are covered by an approved records control schedule and monitored for compliance. *(Check all that apply.)*

X	<p>There is an approved record control schedule. Provide the name of the record control schedule:</p> <p>West Coast Groundfish Observer Program (WCGOP) and Observer Logistics (OBSLOG: 1502-02 Survey Operations Files; 1513-10 Observer Program Files</p> <p>Economic Data Collection (EDC): All records are retained and disposed of in accordance with National Archives and Records Administration regulations (36 CFR Subchapter XII, Chapter B-Records Management); Departmental directives and comprehensive records schedules; NOAA Administrative Order 205-01; and the NMFS Records Disposition Schedule, Chapter 1500.</p> <p>West Coast Groundfish Permits: NOAA 1504-11; NOAA 1514-01</p> <p>NOAA4600 System Maintenance Information:</p> <ul style="list-style-type: none"> • GRS 2.1 Employee Acquisition Records • GRS 2.2 Employee Management Records • GRS 2.3 Employee Relations Records • GRS 2.4 Employee Compensation & Benefits Records • GRS 2.5 Employee Separation Records • GRS 2.6 Employee Training Records • GRS 2.7 Employee Health & Safety Records • GRS 3.1 General Technology Management Records, Item 040: Information technology oversight and compliance records, • GRS 3.2 Information Systems Security Record, Items 030, 031: System access records, <p>NOAA Records Schedules: 1406-01, In Situ and remotely Sensed Environmental Data; 1406- 02, Order Processing Information Systems; 1406-03, Metadata Management Database</p>
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	No, there is not an approved record control schedule. Provide the stage in which the project is in developing and submitting a records control schedule:
X	Yes, retention is monitored for compliance to the schedule.
	No, retention is not monitored for compliance to the schedule. Provide explanation:

10.2 Indicate the disposal method of the PII/BII. *(Check all that apply.)*

Disposal			
Shredding	X	Overwriting	X
Degaussing		Deleting	X
Other (specify):			

Section 11: NIST Special Publication 800-122 PII Confidentiality Impact Level

11.1 Indicate the potential impact that could result to the subject individuals and/or the organization if PII were inappropriately accessed, used, or disclosed. *(The PII Confidentiality Impact Level is not the same, and does not have to be the same, as the Federal Information Processing Standards (FIPS) 199 security impact category.)*

	Low – the loss of confidentiality, integrity, or availability could be expected to have a limited adverse effect on organizational operations, organizational assets, or individuals.
X	Moderate – the loss of confidentiality, integrity, or availability could be expected to have a serious adverse effect on organizational operations, organizational assets, or individuals.
	High – the loss of confidentiality, integrity, or availability could be expected to have a severe or catastrophic adverse effect on organizational operations, organizational assets, or individuals.

11.2 Indicate which factors were used to determine the above PII confidentiality impact level. *(Check all that apply.)*

	Identifiability	Provide explanation:
X	Quantity of PII	Provide explanation: The Information collects and maintains records which may be perceived as sensitive or potentially damaging for individuals or business related to the West Coast Observer Program, Economic Data Collection Program and West Coast Groundfish Permits Programs.
X	Data Field Sensitivity	Provide explanation: The IFQ and Permits applications contains moderately sensitive PII and BII, such as name, address, Tax ID number, and ownership interest. The IFQ system also maintains unique Vessel Account Identification numbers and manages Vessel Account balances and deficit tracking. This type of information is considered privileged, and unauthorized disclosure is prohibited by the Magnuson-Stevens Act, the Privacy Act, and laws prohibiting disclosure or unauthorized access.

	Context of Use	Provide explanation:
X	Obligation to Protect Confidentiality	Provide explanation: Magnuson-Stevens Fishery Conservation & Management. Act, Sec. 402. ø16 U.S.C. 1881a; Information Collection.
	Access to and Location of PII	Provide explanation:
	Other:	Provide explanation:

Section 12: Analysis

- 12.1 Identify and evaluate any potential threats to privacy that exist in light of the information collected or the sources from which the information is collected. Also, describe the choices that the bureau/operating unit made with regard to the type or quantity of information collected and the sources providing the information in order to prevent or mitigate threats to privacy. (For example: If a decision was made to collect less data, include a discussion of this decision; if it is necessary to obtain information from sources other than the individual, explain why.)

The Information collects and maintains records that may be perceived as sensitive or potentially damaging for individuals or business related to the West Coast Observer Program, Economic Data Collection Program and West Coast Groundfish Permits Programs. Any process or person that would disclose this data in an unauthorized or negligent manner would be considered a threat. All collected information collected was deemed as important by the programs that manage the processes and is important for fisheries management.

NOAA4600 has put controls in place (i.e., encryption at rest and proper access controls) to ensure that the information is handled, maintained and disposed appropriately. Further, NOAA4600 follows DOC and NOAA mandates as well as trains applicable personnel to ensure everyone has a certain knowledge of proper security practices. This does not cause any new privacy risks.

- 12.2 Indicate whether the conduct of this PIA results in any required business process changes.

	Yes, the conduct of this PIA results in required business process changes. Explanation:
X	No, the conduct of this PIA does not result in any required business process changes.

- 12.3 Indicate whether the conduct of this PIA results in any required technology changes.

	Yes, the conduct of this PIA results in required technology changes. Explanation:
X	No, the conduct of this PIA does not result in any required technology changes.