



## North Pacific Fisheries Commission

NPFC-2023-TCC06-IP02

### NPFC Data Management System

**Abstract:** This paper provides a progress report on the development of the TCC-related data management system for NPFC members.

**Introduction:** The NPFC website is being developed to provide a data management system that will assist members in managing their activities related to the TCC. In this report, we provide an update on the development progress since the 5th Meeting of the Technical and Compliance Committee.

#### 1. NPFC website

The Members Home and Quick Links sections on the front page provide members with easy access to pages they need to visit regularly. These sections include:

a. **Members Home** - provides contact information for Designated Representatives and Official Contacts, and Focal Point Contacts for NPFC Committees and Working Groups.

b. **Significant dates/Events** - displays meeting schedules on the calendar.

c. **Vessel Registry** - provides current authorization status for Member Flagged Vessels and Non-Member Carrier Vessels, including Authorization Period and Target Species.

d. **HSBI Events** - allows identified HSIB managers to upload boarding reports regarding NPFC High Seas Boarding & Inspection.

e. **e-IUU** - assists the commission in compiling, reviewing, and publishing IUU Vessel records.

f. **Pacific Saury Weekly Report** - provides cumulative catch data and allows designated members to enter weekly catch data.

g. **Collaboration** - provides a direct link to the discussion pages of the TCC, SC, and their subsidiaries.

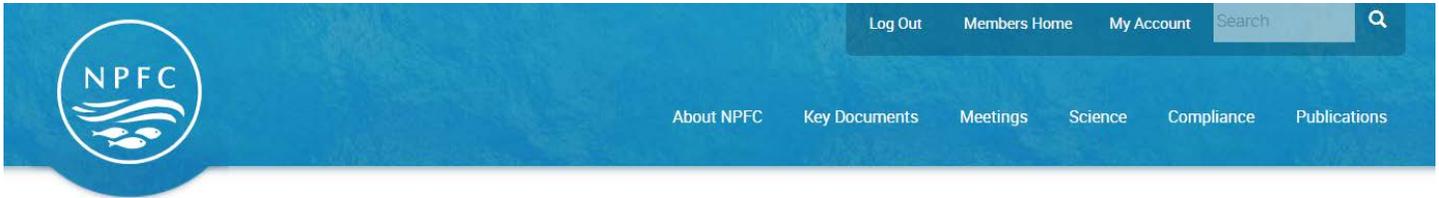
h. **Annual Reports** - provides access to the e-Annual Report and displays all historical annual reports submitted by members.

The screenshot shows the NPFC website homepage. At the top, there is a navigation bar with links for 'Log Out', 'Members Home', 'My Account', and a search icon. Below this, a secondary navigation bar lists 'About NPFC', 'Key Documents', 'Meetings', 'Science', 'Compliance', and 'Publications'. The main content area features a large banner for the 'NPFC Yearbook 2020' with a sunset background and a small image of the yearbook cover. To the right of the banner, text states 'NPFC Yearbook 2020 now available' and provides a link to the online version. Below the banner, there is a section for 'The North Pacific Fisheries Commission (NPFC)' with a brief description of the organization and its objectives. To the right of this section is a 'Quick links' sidebar with buttons for 'Significant dates/Events', 'Vessel Registry', 'HSBI Events', 'e-IUU Vessel List', 'Collaboration', 'Pacific Saury Weekly Report', and 'Annual Reports'. At the bottom, there is a 'Significant Dates' section with a calendar view showing upcoming meetings: '23 MAR 6th Technical and Compliance Committee Meeting', '26 MAR 5th Finance and Administration Committee Meeting', and '28 MAR 7th Annual Session of the Commission'.



**b. Significant dates/events** (<https://www.npfc.int/significant-dates-calendar>)

The Significant dates/events section displays all commission schedules which include COM, TCC, FAC, SC, and all subsidiary bodies' meetings. By default, the scheduled items/events are open to the public and Members, but they can be shown to Members only if needed.



Home / Significant dates/Events

## Significant dates/Events

< > today

**March 2023**

month list

Sun	Mon	Tue	Wed	Thu	Fri	Sat
26	27	28 9:00 AM 3rd SWG MSE PS meeting	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17 9:00 AM 5th Finance and A	18 9:00 AM 6th Technical and
19 6th Technical and Compliance Committee Meeting	20	21	22 9:00 AM 7th Annual Session of the Commission	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

c. The Vessel Registry (<https://www.npfc.int/compliance/vessels>)

The Vessel Registry section allows Vessel Registry Managers to register new vessels by clicking the "Add Vessel to Register" button. These managers can also specify the authorization period and target species for their vessels. However, once a vessel is authorized, only the Secretariat can make changes to its Authorization Period and Target Species.

### Member/CNCP Flagged Vessels Register

Approved Vessels   Pending Approval   Vessels Not Currently Authorized

**Add Vessel to Register**   Bulk Upload Authorization Period   Bulk Upload MMSI

If a vessel is not found on the Approved Vessels list please refer to the Previously Authorized Vessels list to access the history of authorized periods of operations for a vessel not currently authorized to conduct fishing activities.

Authorized by Member/CNCP	Vessel Flag
Canada	Canada
China	China
Japan	Japan
Panama	Panama
Russia	Russia
South Korea	South Korea
Chinese Taipei	Chinese Taipei
Vanuatu	Vanuatu

There are two buttons available to correct and update vessel information in the Vessel Registry: "Edit" and "New version". It is recommended to use the "New version" button when updating the vessel's information, including the vessel name, IRCS, MMSI, and other details. The "Edit" function should only be used to correct wrong information that was previously submitted.

### Test Vessel 01

View   Edit   **New Version**   Delete Vessel from the Register   Add Authorization

<b>Vessel Flag:</b>	South Korea
<b>Authorized By Member/CNCP:</b>	South Korea
<b>IRCS:</b>	TEST01
<b>Registration Number:</b>	000000000
<b>Vessel Type</b>	TRAWLERS (TO)
<b>Previous Names</b>	Test Vessel 02

**NPFC Vessel ID: 1887**  
**Member/CNCP Flagged Vessel**



**d. The HSBI Events** (<https://www.npfc.int/hsbi-events>)

In this section, HSBI managers can upload boarding reports according to the NPFC High Seas Boarding & Inspection procedure. (<https://www.npfc.int/npfc-high-seas-boarding-inspection>).

The identified managers can use the "Add HSBI Event" button to upload the report, and reporting and flag members can communicate with each other using the "Response" section by clicking the "Response" button. There are three options for the HSBI Status: "Notification" allows the report to be visible to the inspection party and the Secretariat only, and "Occurred" makes the report available to all members.

Add HSBI Event
→ Create HSBI Event

Vessel name  Apply

INSPECTED VESSEL NAME	AUTHORIZING MEMBER	START DATE/TIME	INSPECTION OUTCOME
Vessel No. 01 (South Korea) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	09-Sep-2022 12:22 AM	No Violations
Vessel No. 02 (Chinese Taipei) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	08-Sep-2022 12:23 AM	No Violations
Vessel No. 03 (China) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	03-Aug-2022 01:41 AM	No Violations
Vessel No. 04 (Panama) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	31-Jul-2022 10:11 PM	Violations Noted
Vessel No. 05 (China) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	13-Jul-2022 12:12 AM	No Violations
Vessel No. 06 (China) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	10-Jul-2022 07:32 PM	Serious Violations Noted
Vessel No. 07 (Chinese Taipei) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	09-Jul-2022 11:53 PM	Serious Violations Noted
Vessel No. 08 (China) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	19-Jun-2022 12:00 AM	No Violations
Vessel No. 09 (Russia) <span style="border: 1px solid red; padding: 1px;">No Responses</span>	HSBI Event: Japan	17-Jun-2022 02:13 AM	No Violations
Vessel No. 10 (Russia) <span style="border: 1px solid red; padding: 1px;">3 Response</span>	HSBI Event: United States	10-Oct-2021 02:26 PM	Serious Violations Noted

Authorizing Member / CNCP\*

- Select a value - ▼

Member/CNCP that submits report on this HSBI

**Start Date/Time\***

mm/dd/yyyy

Start date (and time) of inspection. Enter time in UTC.

**Inspection vessel**

Inspection Vessel \*

- Select a value - ▼

Boarding Officer(s)

Name(s) of boarding officer(s) / authorized inspectors.

**HSBI Status\***

Notification ▼

Notification

Occurred

Cancelled

An HSBI Event marked as "Occurred" will be visible to all members

**Responses**

**Response No.01 by Flag party**

By: It Admin on 23-Feb-2023 11:39 PM

Response No.01 by Flag party

[Delete](#) [Edit](#) [Reply](#)

**Response No.02 by Reporting party**

By: It Admin on 23-Feb-2023 11:42 PM

Response No.02 by Reporting party

[Delete](#) [Edit](#) [Reply](#)

**Add new response**

Subject

Please enter the name of party or person (Chair, Secretariat) submitting the suggestion

Response\*

**B I U** Normal ☺ ☹ ☰ ☷ ☲ ☱ ☳ ☴ ☵ ☶ ☷ [Source](#) [Grid](#)

body p

Restricted HTML [About text formats](#)

**e. The e-IUU** (<https://www.npfc.int/compliance/iuu-vessel-list>)

In this section, the identified IUU managers can create IUU vessel records and attach associated activity reports. There is a specific workflow that the process follows:

1. **Proposed Draft List:** Initial Draft IUU vessel records shall be submitted 70 days before TCC. Only the member who listed the vessel, the member with the alleged IUU vessel, and the Secretariat can view the proposed drafts. The IUU managers can create IUU vessel records from this link (<https://www.npfc.int/compliance/iuu-vessel-list/proposed-draft>)
2. **Draft List:** 55 days prior to TCC, the Proposed Draft list will move on to the Draft list, and the Draft IUU List is visible to all Members and CNCP.
3. **Provisional List:** The Draft IUU Vessel List as amended by Members at TCC and changes to the Current IUU Vessel List will be combined into the Provisional IUU Vessel List for endorsement to the Commission meeting for adoption.
4. **Final List:** The Final List is the authoritative list of NPFC IUU Vessel List adopted by the Commission for that year and is visible to the public.

For further details, you may refer to the e-IUU Submission Guidelines provided in the link (<https://www.npfc.int/e-iuu-submission-guidelines>).

Home / Compliance / e-IUU Vessel List

## e-IUU Vessel List

Ref: CMM IUU Activities

Proposed Draft List	Draft List	Provisional List	Final List
<b>Activity:</b> Reports submitted. Vessel flag member acknowledgement and response.	<b>Activity:</b> Activity reports and responses open to all members.	<b>Activity:</b> Pending Commission Meeting decision.	<b>Activity:</b> Vessel is IUU listed.
<b>Visible To:</b> - Vessel Flag Member - Reporting Member - Secretariat	<b>Visible To:</b> - All Members - Secretariat	<b>Visible To:</b> - All Members - Secretariat	<b>Visible To:</b> - Public

[View the e-IUU Submission Guidelines](#)

VESSEL NAME	IMO NUMBER	IRCS	ACTIVITY TYPE	FLAG
Vessel No.1			• Are related to paragraph 3 of CMM 2017-02	
Vessel No.2			• Are related to paragraph 3 of CMM 2017-02	
Vessel No.3			• Are related to paragraph 3 of CMM 2017-02	

**f. Pacific Saury Weekly Report** (<https://www.npfc.int/submissions/weekly-catch>)

Members can view the cumulative total of Pacific Saury fisheries catch data and their own data. However, the catch data from other Members are not displayed. Designated Members representing Pacific Saury fisheries are required to enter weekly catch data (in metric tons). ([https://www.npfc.int/irs/add/psw\\_weekly\\_catch](https://www.npfc.int/irs/add/psw_weekly_catch))

### Weekly Catch Information Registry Submissions

Add Pacific Saury Weekly Catch Submission

Season  
01-Apr-2022 - 31-Dec-2022: Pacific saury

**Cumulative Catch - 01-Apr-2022 - 31-Dec-2022: Pacific saury**

### Add Pacific Saury Weekly Catch

Home » Add information registry submission

Member / CNCP \*  
- Select a value -  
The referenced country.

Reporting Year \*

Season \*  
01-Apr-2022 - 31-Dec-2022: Pacific saury

Week \*  
- Select -

Catch (mt)

Notes

e.g. Discard (in kgs.), etc.

The Weekly Catch Report also provides the used Total Allowable Catch (TAC) percentage at the bottom of the table and members can view their own used TAC and total percentage only.

Weekly Catch Reports - 01-Apr-2022 - 31-Dec-2022: Pacific saury													
MONTH	WEEK	DATES	CATCH (MT)										
			CANADA	CHINA	EUROPEAN UNION	JAPAN	RUSSIA	KOREA	CHINESE TAIPEI	UNITED STATES	VANUATU	PANAMA	All Members
Apr	1	1-2	0	0	0	0	0	0	0	0	0	0	0
	2	3-9	0	0	0	0	0	0	0	0	0	0	0
	3	10-16	0	0	0	0	0	0	0	0	0	0	0
	4	17-23	0	0	0	0	0	0	0	0	0	0	0
Dec	37	4-10	0	0	0	0	0	0	0	0	0	0	0
	38	11-17	0	0	0	0	0	0	0	0	0	0	0
	39	18-24	0	0	0	0	0	0	0	0	0	0	0
	40	25-31	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>			0	30000	0	20000	0	10000	50000	0	5000	0	115000
<b>Used TAC %</b>			N/A	30%	N/A	20%	0%	10%	50%	N/A	5%	N/A	35%

**g. Collaboration** (<https://collaboration.npfc.int>)

The NPFC Collaboration page is only accessible to the NPFC Members registered to the particular discussion groups such as TCC SWG on Operations and TCC SWG on Planning and Development. The secretariat provides members with access to specific groups based on the members' requirements and necessities.

The screenshot shows the NPFC Collaboration interface. At the top, there is a blue header with the NPFC logo and the text "NPFC Collaboration". Below the header, there are navigation links: "Groups", "People", "Search", "NPFC Homepage", and "Log out". In the top right corner, there are icons for a plus sign, a bell, and a user profile.

The main content area displays a discussion post by Judy Dwyer, titled "SWG #10 Agenda". The post is dated "20 Dec 2022" and is categorized as "Discussion". Below the title, there is a "Comment" button. The post content includes a request to find attached documents and a list of two files:

- Annex J of COM 6 Report - VMS Data protocol.pdf (1.09 MB)
- NPFC DATA SHARING AND DATA SECURITY PROTOCOL.revised2Feb.docx (120.68 KB)

At the bottom of the post, there is a "Reply" button and a "Show all 2 comments" link. Below the post, there are icons for "Group", "0 likes", and "2" comments, along with a "Read more" link.

On the right side, there are two sidebars. The first sidebar, titled "Newest topics in the community", lists two topics: "SWG Ops 5" by Judy Dwyer (10 Jan) and "SWG #10 Agenda" by Judy Dwyer (20 Dec). Below this list is a link for "All topics". The second sidebar, titled "Newest members in the community", has a search box labeled "Name (autocomplete)" and a "Filter" button. Below the search box, a member named "Megan WILLMANN" is listed with a profile picture.

It is recommended to click the “Follow content” button for each topic so that members can receive the automatic email notification for the new post.

The screenshot shows a discussion page titled "SWG #10 Meeting". At the top, there is a grey header with the title "SWG #10 Meeting" and a pencil icon in the top right corner.

The main content area displays a discussion post by Judy Dwyer, dated "20 December 2022". The post is titled "Agenda SWG 10 December 21 @0900". Below the title, there is a "Follow content" button, which is highlighted with a red box. To the right of the "Follow content" button, there are buttons for "2 comments", "0 likes", and "group".

Below the post, there is a "Files" section. The first file listed is "SWG PD 10 21 December 2022" with a size of "249.68 KB".

**h. Annual Reports** (<https://www.npfc.int/annual-reports-members>) (Japan’s suggestion)

The Annual Reports section is accessible to all NPFC members, and it has a link to the e-Annual Report where designated members can submit their report for the calendar year. From 2021, it is requested that members use the e-Annual Report.

MEMBER	REPORTING YEAR	LAST UPDATED	STATUS
Member	2021	05-Mar-2022	Initial Draft

MEMBER	REPORTING YEAR	LAST UPDATED	STATUS
South Korea	2021	20-Jan-2023	Published
Canada	2021	29-Jan-2022	Published
Vanuatu	2021	28-Feb-2022	Published

While submitting the report, there are four options available for “Catch Volume”, “Number of Active Fishing Vessels” and “Effort-Number of Fishing Days”. If the data is not ready, members can choose either “Preliminary” or “In preparation” and update later. The “Not Applicable(N/A)” option is also available.

**Bottom Fisheries Effort by Gear Type**

Number of Fishing Vessels Authorized:

Number of Active Fishing Vessels:

Effort - Number of Fishing Days:

**VOLUME BY SPECIES**

Catch Volume By Species

Species:

Statistical Area:

Catch Volume:  Metric Tonnes

Number of Fishing Days\*  
Final  
Preliminary  
In preparation  
N/A

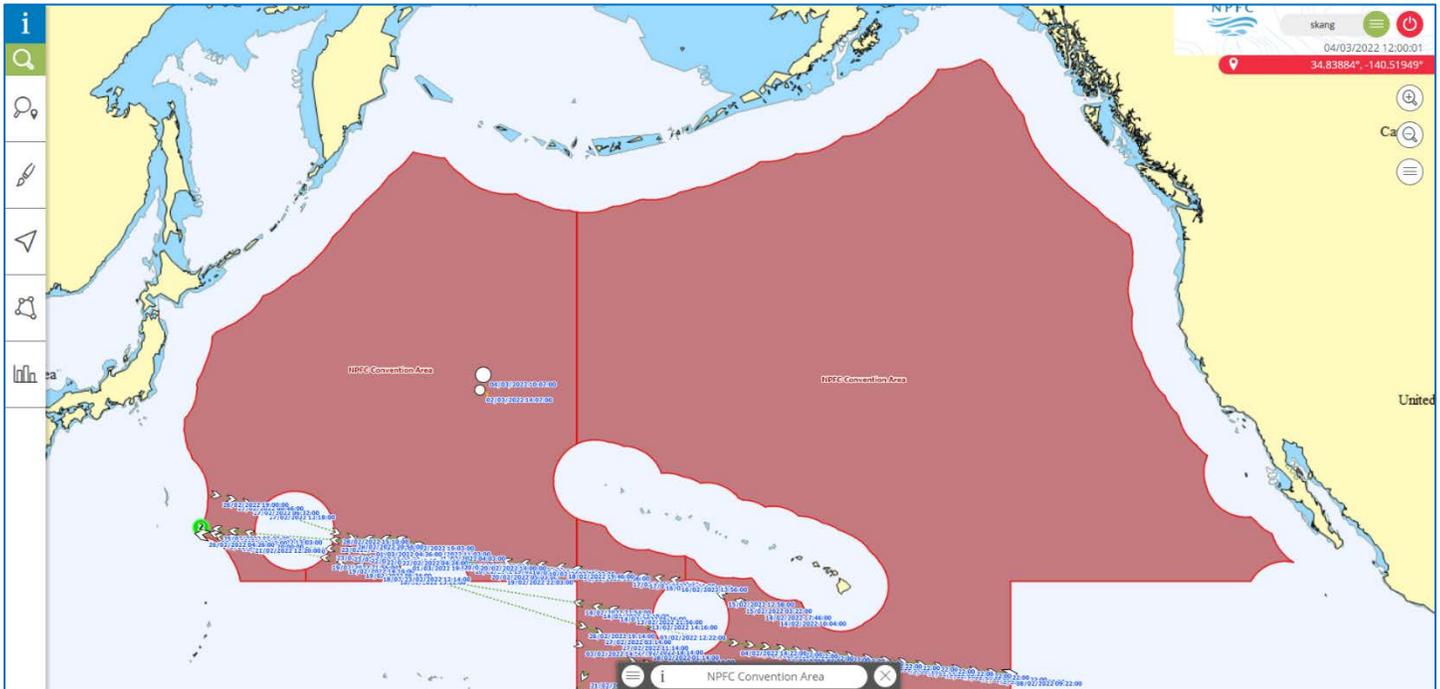
active  
active  
inactive  
inactive

**Emperor Seamount Sub Areas Fished**

Sub Areas:  North bank of Suiko  South bank of Suiko Showa  Showa  Youmei  Nintoku  Jingu  Ojin  North Koko  Koko  Kinmei  Milwaukee  Yuryaku  Kammu  Colahan  C-H

## 2. NPFC VMS (<https://vms.npfc.int/>)

The purpose of the Vessel Monitoring System (VMS) is to continuously monitor the positions and movements of all fishing vessels operating in the NPFC Convention Area and VMS requirements apply to all authorized vessels in the NPFC Convention Area in accordance with the CMM. The Secretariat will remain to support and provide members with access for their HSBI activities.



## 3. Further plan and initiative for the NPFC Data Management System development for 2023

There are some plans to update the HSBI event section with further database integration and create an E-transshipment notification and declaration section. There will be also a general improvement for the Vessel Registry and other Compliance sections on the website.