

MONTHLY EVENTS/ACTIVITIES AND ACHIEVEMENTS FOR THE MONTH OF FEBRUARY 2023

Target and Achievements of Fishery Resources survey during February 2023

Vessel	Target				Achievement				Reason for Non-operation/ Shortfall	Catch recorded/ estimated (Kgs)	Catch landed (Kgs)	No. of Break Voyages	Reasons for Break in Voyage
	Days out	Days Fished	Effort (Hours/hooks)	No. of Hauls/ Sets	Days out	Days fished	Effort (Hours/ hooks)	No. of Hauls/ Sets					
Yellow Fin	20	16	6250 & 144 *	16	20	1+16	500 & 165.30* *	1	-	53.5	CNU	-	-
Blue Marlin	20	14	8750 &	14	18	6+9**	1700 &	6	-	925	CNU	-	-
M. Vrushti	-	-	-	-	20	3+7**	1820 &	3	-	34 nos.	-	-	-
M. Drushti	20	15	7560 &	12	20	17 **	-	-	-	586 nos.	-	-	-
M.Nireekshani	20	16	75@	50	-	-	-	-	Net drum slipping problem and gear box repairs	-	-	-	-
Sagarika	20	16	75@	50	-	-	-	-	Awaiting for annual dry-docking repairs.	-	-	-	-
M.Varshini	20	16	75@	50	-	-	-	-	Awaiting for Stability booklet	-	-	-	-
Lavanika	20	16	75@	50	19	15	67.5	45	-	307	CNU	-	-
Samudrika	20	16	75@	50	-	-	-	-	Awaiting for annual dry docking re	-	-	-	-
M.Shikari	20	16	75@	50	-	-	-	-	Drydock and afloat repairs	-	-	-	-
M. Darshini	-	-	-	-	20	11 6**	40.5	27	-	2023	CNU	-	-

&: No. of hooks for Tuna Longlining; *: Drift Gill Net Operation (hrs); @: Bottom Trawling; CNU: Catch Not Unloaded; AE: Auxiliary Engine; ; **: Marine Mammal Survey (Hrs.)

Dr. R. Jeyabaskaran
Director General

I. VESSEL-WISE INFORMATION ON QUALITATIVE PERFORMANCE:

MFV Yellow fin: The vessel was out at sea for 20 days carrying out 01 days of multifilament tuna long line fishing in the area Lat. 08°N /Long. 75°E, depth range 1350-1460m, consists of 60 baskets with 300 hooks operated. Catch was constituted by Yellow fin tuna, skip jack tuna, lancet fish and ray fish. Total catch 53.5kg was recorded. Marine mammals survey carried out for 16 days, expended time for survey 165.30hrs in the area Lat. 10°N -11°N; Long 68°-71°E at a depth range of 55-2371m. During the Marine Mammals Survey 11 sightings in which 02 nos. of Whales and 151 nos. of Dolphins were sighted.

Matsya Vrushti : The vessel sailed for the survey on 09.02.2023. She was out at sea for 20 days, conducted marine mammal survey for 07 days and longline survey for 03 days. Total 34 No. of fishes were hooked comprised of Dolphin fish, Sail fish, Sharks, Yellowfin Tuna etc. The catch was dominated by Yellowfin Tuna, followed by Sail fish.

MFV Lavanika: The Vessel sailed for regular survey programme along the south west coast on 10.02.2023 and concluded the voyage on 28.02.2023. She was out at sea for 19 days and conducted fishing for 15 days. A total of 45 hauls were made by expending a fishing effort of 67.5 Hrs in the area Lat. 08° N - 11° N. The depth of operation was in between 20-61 M.

MFV Matsya Drushti: The vessel Matsya Drushti sailed out on 09.02.2023 for Marine Mammal Stock Assessment studies and concluded the voyage on 28.02.2023. During the period she was out at sea for 20 days and was engaged in marine mammal observation for 17 days. A total of 13 sampling stations were covered in the area Lat. 11°N-13°N/ Long. 79°-83°E and the depth of operation was in between 76.3-3555 m. A total of 22 marine mammal sightings were noticed and 586 no. (approx.) of marine mammals were recorded during the voyage. Marine mammals identified during the voyage were *Stennella attenuata*, *Stenella longirostris*, *Stenella Coeruleoalba*, *Tursiops truncatus*, *Peponocephala electra* and *Belanoptera edeni*. Target marine observation stations were not covered as the officials from Department of Telecommunication (DoT) were onboard the vessel from 13th to 14th February, 2023 for conducting survey on Mobile coverage along south coast of Tamilnadu.

MFV Matsya Darshini: The vessel sailed on 08.02.2023 for the Marine Mammal Stock Assessment programme/demersal fishery resources survey in the upper east coast of India between Lat. 17°N - 21°N. During the month she was at out at sea for 20 days and engaged for Marine mammal stock assessment survey for 06 days. In Marine Mammal Stock Assessment programme, the area from Lat. 19°25.0'N/ Long. 85°11.0'E to Lat. 19°25.0'N /Long. 89°10.0'E (transect No. 04, 05) and Lat. 20°15.0'N/Long. 86°34.0'E to Lat. 20°15.0'N/Long. 88°57.0'E (transect No. 02, 03) and Lat. 21°05.0'N/ Long. 88°57.0'E (transect No. 01) was surveyed. A total 02 sightings of Spinner dolphins (*Stenella longirostris*) (30 Nos. approximately) were recorded during the voyage. The depth of survey was in between 50 – 3250 M

The vessel carried out demersal fishery resources survey, assessment and monitoring along the upper east coast of India between Lat. 17°N - 21°N. During the month vessel was engaged in fishing operation for 11 days. A total of 27 hauls were made by expending a fishing effort of 40.50 Hrs. The depth of operation was in between 36-58 M. The area covered during the voyage was from Lat. 17°44.5'N - 21°04.3'N / Long. 83°26.8'E - 89°02.2'E. A total of 2,023 kg of fish catch was unloaded which was dominated by Pony fishes (34.40%), Upenoids (17.25%), Leatherjackets (10.57%), Squids (6.42%), Perches (3.60%), etc. **After a gap of more than 30 years, the vessel surveyed the Sand Heads area (21°N) waters.**

MFV Blue Marlin: The vessel MFV *Blue Marlin* was sailed on 11.02.2023 for carry out the survey of Oceanic tuna and allied resources in Andaman and Nicobar waters and concluded the voyage on 28.02.2023. The vessel has carried out survey in area Lat. 11°N -12°N; 93°E-94°E. at the depth range of 1027-2322 m. The vessel was out at sea for 18 days and 06 days fishing was conducted by operating total 1700 nos. of hooks. A total 30 nos. fish were hooked and the total catch weight recorded was appx. 925 kgs and catch was dominated by the YFT of around 577 kgs. The aggregate hooking rate was 1.76% was recored, whereas, YFT hooking rate was 1.00 % and which indicates high abundance of YFT in the A & N waters.

The vessel also carried out the Marine Mammal Stock Assessment survey in the area Lat. 11°N - 12°N; Long.93°E-94°E at the depth range 1027-2322 m. The survey was carried out at the sea, according to the conditions corresponding to Beaufort scale 5. During the voyage, 09 sightings of dolphins were recorded from the survey area, where 77 individuals of dolphin with 4 species were recorded. The shoal size ranges from 4-25 and 04 calfs was also sighted during the survey.