

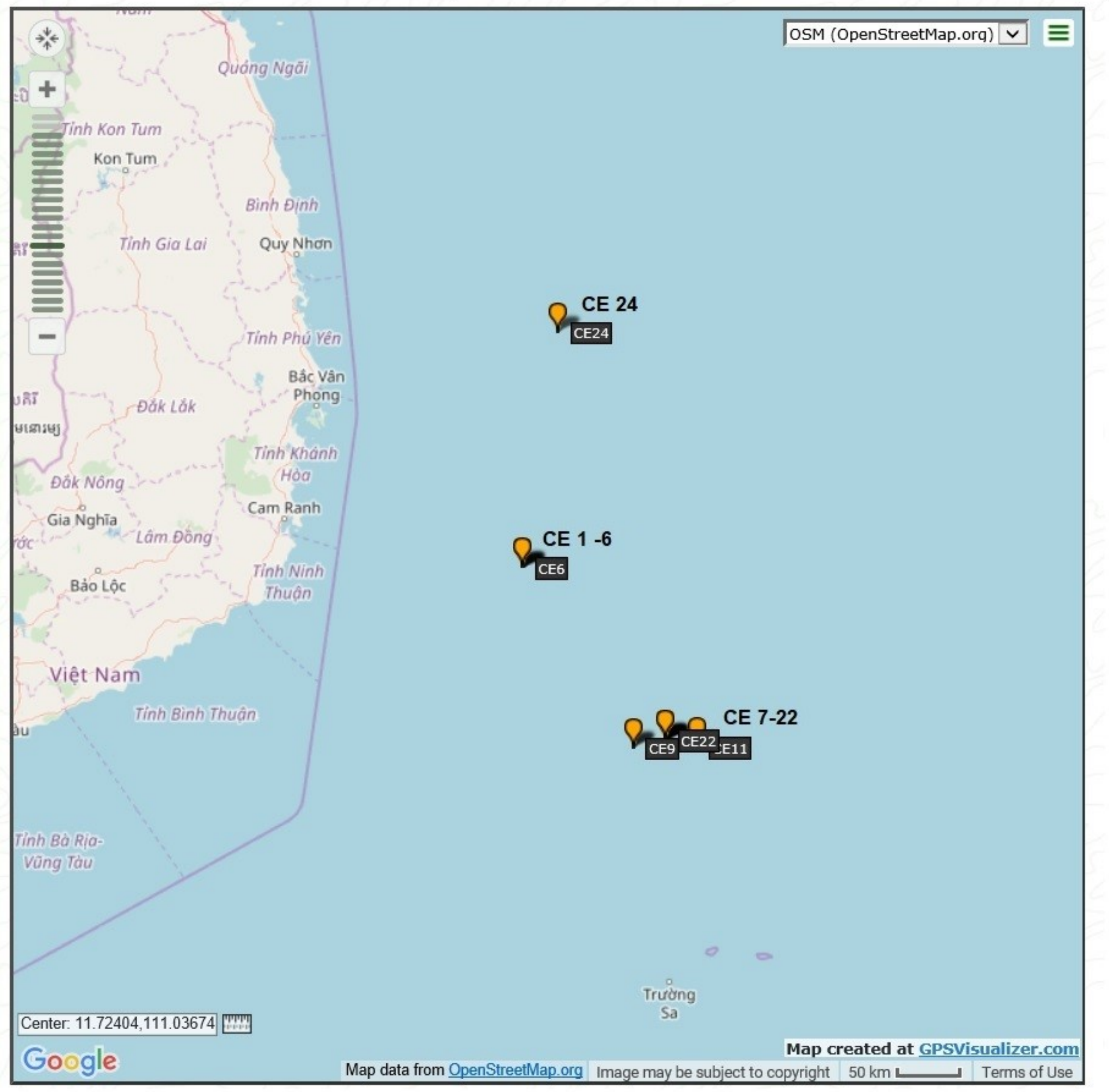
SEPTEMBER 30, 2019

## THIRD ROUND OF COPPA TRIPS RETURN SUCCESSFULLY TO NHA TRANG

September 25, 2019. The 2 handline tuna and swordfish vessels conducting trials with the Crew Observer Photographic Protocol Application (COPPA) have returned from their third trips and submitted the first fully documented Trip Reports.

The simple Android app allows fishers to collect data on their catch quickly and take photos of the catch as needed. As the data and photos are entered into the Android device the time, date and GPS location of the catch event are recorded automatically by the app. The data, photos and catch information can then be used by fishery managers to supplement official onboard observer data, develop measures to conserve catch species and evaluate the effect the fishery may have on bycatch species.

### TAI TRIP 3



Actual trip map from Trip 3, location info changed slightly for proprietary reasons

One of the unexpected challenges found with using an Android platform was acquiring satellite linkage for GPS location service. The Android devices are factory set to use WIFI, cellphone and GPS satellites to locate the device but there is no WIFI or cell signal at sea. The default settings also lead the operator to go to “save battery” mode whenever the device’s battery is low. Using this feature resets the device to a 10 second “sleep” function. This makes acquiring a GPS satellite at sea impossible.



COPPA Team reviews Trip 3

With trial, error and training the fishers now understand how to set the devices to find location by “GPS only” and to reset the sleep function to 30 minutes in the case of an accidental reset due to low battery. The Sea Delight team also installed a separate satellite location app in the devices that allows the fishers to see in real time how many satellites are available above them and to provide a solid GPS link for using COPPA at sea.

Sea Delight will evaluate the results of the next trip when the vessels return in mid-October and then begin expanding the COPPA program to more handline tuna and swordfish vessels in Nha Trang and in the other ports in Phu Yen and Binh Din provinces. As always, the progress of this program will be reported here.

SPECIES	#	Latitude	Longitude	Date/Time	L/cm	W/kg
YFT	1	10.9265774	0000.00000	8/23/2019 1:17	80	24
YFT	2	10.9269047	0000.00000	8/23/2019 1:17	120	55
YFT	3	10.9276395	0000.00000	8/23/2019 1:37	115	50
YFT	4	10.9276395	0000.00000	8/23/2019 2:24	95	35
YFT	5	10.9276395	0000.00000	8/23/2019 2:24	110	45
YFT	6	10.9276395	0000.00000	8/24/2019 2:55	95	35
YFT	7	10.0332233	0000.00000	8/24/2018 22:18	120	50
Wahoo	8	10.0332233	0000.00000	8/26/2019 5:22	90	5
Wahoo	9	10.0332233	0000.00000	8/26/2019 5:22	100	8
Wahoo	10	10.0377431	0000.00000	8/27/2019 4:42	85	5
YFT	11	10.0377431	0000.00000	8/27/2019 4:42	85	25
YFT	12	10.0904677	0000.00000	8/29/2019 3:09	100	35
Wahoo	13	10.0904677	0000.00000	8/29/2019 3:09	80	5
YFT	14	10.0904677	0000.00000	8/29/2019 3:11	110	50
YFT	15	10.0904677	0000.00000	8/29/2019 3:23	110	40
YFT	16	10.0904677	0000.00000	8/29/2019 3:23	110	40
YFT	17	10.0904677	0000.00000	8/29/2019 3:33	106	25
YFT	18	10.0904677	0000.00000	8/29/2019 5:35	105	40
YFT	19	10.0904677	0000.00000	8/29/2019 5:36	100	35
YFT	20	10.0904677	0000.00000	9/4/2019 5:37	100	35
YFT	21	10.0904677	0000.00000	9/4/2019 5:38	110	50
YFT	22	10.0904677	0000.00000	9/4/2019 5:39	105	45
YFT	23	13.4148613	0000.00000	9/6/2019 5:24	125	90
YFT	24	13.4148613	0000.00000	9/8/2019 13:47	125	90

Actual trip data, location protected for proprietary reasons

ENDSRF190928SD



NEXT