

FIRST INDONESIAN/WCPFC PORT SAMPLING DATA REVIEW WORKSHOP

25 November 2010

RECOMMENDATIONS

1. The workshop noted that calipers were the best device to measure fish and the use of measuring tapes discouraged. Two sets of Calipers are in use in Bitung already. Measuring boards can also be used in situations where the vessel captains and receivers of fish (buyers, processing plants) do not object to handling the fish. The workshop recommended that **P4KSI** arrange to have calipers made as a matter of urgency since this is affecting the quality of the data collected. It was recommended that at least one caliper be made available for each landing site monitored by enumerators. For landing sites covering surface fisheries, calipers with lengths 70 cm and 100 cm should be available and for landing sites covering handline and longline gears, calipers with lengths 150 cm or preferably 170 cm should be available.
2. The workshop noted the initial feedback provided from data audit process, which involved a review of the data collected during 2010 and interviews with enumerators from each sampling site. **WCPFC/SPC** will write up the results of the data audit and make this report available to **P4SKI and the Enumerators** for subsequent action. **P4KSI** will be responsible for updating the data collection protocols to reflect the changes in procedures as a result of the data audit. The main issues identified in the data audit which will need resolution are as follows :
 - a. Calipers should be used by **Enumerators** wherever possible (see RECOMMENDATION 1.)
 - b. The longline data collection protocol should be used by **Enumerators** sampling in NUTRINDO. The longline vessel name should be recorded (instead of the truck) by the enumerator in NUTRINDO. The sampling site (NUTRINDO) and the actual site where the vessel landed the catch to the trucks should also be recorded on the data collection form for sampling in NUTRINDO. **P4KSI Data Manager** will add a new field to cater for the actual landing site in these cases.
 - c. The “days” effort from the purse seine carrier vessels sampled at SINAR represent the days at sea for the carriers and not the effort by catcher vessels. It is not possible to get effort of catcher vessels so these data should be ignored by at this stage. A suitable flag in the database system should be considered by the **P4KSI Data Manager**.
 - d. It was recommended that **P4KSI** modify the protocol at SINAR to select a ‘basket’ of fish used to transfer fish from the vessel holds to the bins, for those cases when the captains do not have any problems with the sampling. Baskets should be selected throughout the unloading process by **Enumerators** so that a total of around 300 fish are measured for each unloading. Fish that have distorted body shape or with broken tails should not be measured.
 - e. **Enumerators** at PPS Kendari and Sodohoa, as one group, should conduct at least two visits to each other’s sites and review/discuss the potential bigeye tuna catch from the troll/handline vessels to ensure the correct species identification has been made, using all species identification resource material available.
 - f. When loins are unloaded, **Enumerators** should report them as the number of fish (by species) after interviewing the captain, or if this is not possible, then the number of boxes of loins, under the title “LOIN BOXES” (by species) in the other species column.

- g. The sampling of large catches (20 tonnes) unloaded from purse seine vessels at PPS Kendari by **Enumerators** should consider sampling a maximum of 500 fish, which can be spread over the days of the unloading (i.e. if 3 days – 170 per day, if 2 days, then 250 per day). If there are many large PS vessel landings in the month, then reduce the number of vessel landings sampled.
 - h. **Enumerators** should complete the forms with all information since missing information was found in the data audit in the following fields :
 - i. Gear
 - ii. Bigeye
 - iii. Processed state
 - iv. Fishing area
 - i. **Enumerators** should endeavour to record the catch of species other than tuna in the total landed catch whenever possible, but the workshop acknowledged that reporting tuna catch is the highest priority at this stage.
 - j. **Enumerators** should record the individual fish Length and weight in the following manner : Length to whole cms , rounded down; Weight rounded to 1 decimal place.
 - k. **Enumerators** may record the total tuna catch only on landings form when the landed catch by species is not available since species composition from sampling can be used and applied through the database system.
3. **P4KSI** (with assistance from **WCPFC/SPC**, where required) should explore all avenues possible to ensure the all landings sites in Bitung and Kendari are covered by total landings data collection in the future (see Tables 1 and 2). In this respect, **Enumerators** should be directed to obtain total landing information from DINAS and other sources in the short term, and official requests should be made to those other landing sites for access to sample fish. When planning data collection at these sites, **P4KSI** should ensure that double-counting of landings data is not occurring.
 4. **P4KSI** will use the WCPFC/WPEA Quarterly report template produced during the visit as a basis for the quarterly report for submission to the WCPFC. The **P4KSI Data Manager** will continue to develop new reports (required for the WCPFC/WPEA Quarterly report) that are not yet available.
 5. The workshop agreed to postpone extension of the sampling to other Indonesian ports until the protocols had been tested on all gears in Bitung and Kendari. The next workshop (2nd quarter 2011) would consider which port (e.g. Sorong, Ternate, Kupang, Ambon) would be considered for establishing port sampling in 2012. In order to make an informed decision on which port should be selected, **P4KSI** were tasked to prepare a summary of the total annual tuna catch by gear (for recent years) landed at these ports for review at the next workshop.
 6. The workshop agreed to consider conducting 4 observer trips on longline and purse seine vessels in 2012 (potentially using Bitung Enumerators), and that 2011 would be used for **P4KSI**, with assistance from **WCPFC/SPC**, to (i) organize the necessary resources (e.g. observer data forms), (ii) plan for training on observer data collection in 2012 and (iii) liaise with the companies to inform them of the pending observer work.
 7. The importance of the review workshops was acknowledged and **WCPFC/SPC and P4KSI** were requested to hold workshops on an annual basis. The next workshops were scheduled for 2nd quarter 2011 in Bitung and Kendari. **P4KSI** will organize half-day stakeholders meetings to be held in conjunction with the next Workshops in Bitung and Kendari.
 8. A request for a motorcycle was received from the Kendari enumerators. **WCPFC** will review available funds (20 million IDR or ~USD 2,200) and advise whether the purchase of a motorcycle is possible.