



ISC Data exchange with WCPFC

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Introduction

We have been preparing for data exchange with WCPFC in 2012 for four data sets of three categories, Category Ic (annual catch), Ie (annual effort), II (aggregated catch and effort), and III (size frequency). To have a precise comprehension of data inventory of both ISC and WCPFC, the Statistical Working Group proceeded to compare the inventories of the ISC and WCPFC databases, based on the WCPFC submitted inventories of Category II and III in 2010 and the ISC database inventory. In addition, in 2011 the ISC members have submitted updated additional data and WCPFC have sent new data sets corresponding to Category Ic. Thus we report here a revision of the comparison table of the ISC and WCPFC databases, and also the data submission condition of the ISC members.

Renewal and modification of WCPFC data inventory

No modification or change was seen between 2010 and 2011 WCPFC data inventories of Category II and III except for addition of new data.

General review

Data submission condition depends on the members and fishing gears. In many cases, ISC data holdings and WCPFC data holdings do not match in periods and fishing gears. China has not been submitting and directly registering data to ISC database for Categories I, II, and III.

Category I

- Only ISC has Japan Set-net and Troll data.
- Also, ISC has Canada Troll data of 1939 to 1951, but WCPFC does not.
- Korea submitted longer period of data to ISC than WCPFC.
- Mexico has not submitted data to WCPFC.
- Only ISC has the USA data of certain fleets.

Category II

- ISC has Japan Purse seine data, but WCPFC does not.

Yamasaki & Nagata (2011)

- Many of the Canada and the USA data sets are exclusive to the ISC database.
- Korea data sets do not have area codes, thus resolution is unknown. Periods of data sets are almost matched in ISC and WCPFC.
- Taiwan does not have a clear definition of fishing gears in the ISC database. Regarding periods of data sets, WCPFC possesses more data.

Category III

- Direct comparison was difficult because of data resolution differences. In total, WCPFC often has higher resolution in data.
- Only ISC has data sets of Canada.
- Only WCPFC has data sets of China.
- ISC holds more massive data of Japan until 1992.
- Data sets of Korea does not have area codes, thus resolution is unknown. ISC possesses more continuous data in period.
- ISC exclusively has data of certain fishing gears of the USA, and vice versa.

Questions for practical operation of data exchange

- Qualification of data for exchange (e.g., fishing gears: WCPFC has data for only four fishing gears (longline, hand-line, ring net and purse seine). Do they want data of other gears? Or do they target only for these four fishing gears?)
- ISC and WCPFC adopt different data formats and codes. How can we treat these differences?
- Some data sets of WCPFC have higher resolution and longer periods than ISC data sets. How do we balance the unequal quality of data between WCPFC and ISC?
- Some members only submitted data to either ISC or WCPFC. Do we exchange these data too?

Line No.	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total N. of year	Line No.													
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73				●		●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	37	73							
74				●		●	●	●		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	37	74					
75								★									★	★															★	★	★														7	75							
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78	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	51	78				
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95	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	57	95		
96	★		★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	40	96		
97	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	57	97		
98	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	42	98	
99	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	57	99	
100	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	42	100	
101	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	57	101		
102	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	42	102
103	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	42	103
104		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	104		
105					★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	★	31	105	
106		●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	106		
107	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	28	107		

1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	Total N. of year	Line No.	
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