

# South Pacific Regional Fisheries Management Organisation

## 10th Meeting of the Data and Information Working Group

Lima, Peru, 15-19 October 2012

### DIWG-10-04

#### **Investigations into potential double-counting of catch between New Zealand and Ukraine (FAO 81 - *Trachurus* species)**

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This item was raised at the 9th DIWG during the presentation of item 6 (Summary of data submitted to the Interim Secretariat).

The representative from New Zealand noted that there was likely to be double-counting in the Exclusive Economic Zone (EEZ) catch of *Trachurus* species recorded for FAO Area 81 by New Zealand and the Ukraine, and requested that the Interim Secretariat investigate any potential double-counting further.

#### Background:

Both New Zealand and Ukraine have submitted annual catch data for *Trachurus* spp caught within FAO area 81. In both cases, this catch has been recorded as being taken entirely within New Zealand's EEZ (refer <http://www.southpacificrfmo.org/catch-information/>). The relevant figures are reported in Table 1.

During this period fishing in the New Zealand EEZ was conducted by both domestic and foreign chartered vessels. In addition by 1990 New Zealand had implemented a Quota Management System for EEZ catches.

Table 1: Annual Catch Data (t) for *Trachurus* species caught within New Zealand's EEZ (limited to years with potential double-counting).

FAO Area 81	New Zealand submission				Ukraine submission <sup>1</sup>
EEZ (NZ)	<i>T. murphyi</i>	<i>T. declivis</i>	<i>T. novaezelandiae</i>	Total <i>Trachurus</i> spp	<i>Trachurus</i> spp
2007	4,186	25,923	16,265	46,374	22,067
2004	6,184	21,335	15,650	43,170	22,600
2003	6,538	17,548	13,663	37,749	25,016
2002	7,486	14,831	9,986	32,303	5,667
2001	7,916	9,805	11,768	29,489	7,577
2000	8,677	10,033	3,844	22,554	12,213
1999	18,058	13,412	2,889	34,359	15,306
1998	20,993	6,229	8,796	36,018	9,309
1997	21,543	5,119	8,374	35,036	9,740
1996	26,386	6,212	10,133	42,731	13,093
1995	19,678	7,775	8,898	36,351	8,990
1994	22,434	14,917	4,934	42,286	4,192
1993	22,046	13,901	13,336	49,282	7,937
1992	12,664	12,447	12,576	37,687	2,878
1991	8,674	12,174	12,880	33,729	319
1990	4,698	11,650	10,859	27,208	214

<sup>1</sup>Ukraine associated statement; in 1991 the Ukrainian fleet started working in the EEZ of New Zealand. Three species of mackerels are caught in the waters of this country - *Trachurus declivis*, *T. murphyi*, *T. novaezelandiae*. During the fisheries mackerels are caught as a mixture, not subdivided according to the species. The statistics represents these mackerel catches as Jack and horse mackerels nei (mix of *Trachurus declivis*, *T. murphyi*, *T. novaezelandiae*)

The New Zealand annual catch data submission has been described in SWG-10-INF-02. All figures provided in SWG-10-INF-02 were raised to the final official annual catch totals contained in the Fisheries Assessment Plenary Report produced by the New Zealand Ministry of Primary Industries (previously Ministry of Fisheries). The Plenary document states that “Landings in JMA7 (1 of 3 *Trachurus* spp fishstocks managed within the New Zealand EEZ) represent the greatest proportion of total landings and are mainly taken by chartered (ie foreign flagged) trawlers”.

The Ukraine annual catch data submission was prepared following the definitions contained within the FAO Fisheries and Aquaculture Statistics handbook, and in accordance with Ukrainian legislation. Specifically, annual catches by vessels working under the Ukrainian flag in the EEZ of New Zealand were reported and presented as national catches of Ukraine (S. Rebik, *pers comm*).

New Zealand has provided the Interim Secretariat with *Trachurus* spp catch landing figures for Ukrainian flagged vessels fishing within New Zealand’s EEZ. The New Zealand provided figures are not reported in this paper due to confidentiality concerns. The Interim Secretariat has compared the New Zealand provided figures (for Ukrainian flagged vessels) with annual catch data previously submitted by the Ukraine (as reported in Table 1).

The comparison indicates there is good agreement for the most recent 3 years (2007, 2004 and 2003). However, there is poor agreement for earlier years.

#### Conclusion:

The Ukraine submission in Table 1 is a subset of the New Zealand submission.

When calculating total catches of *Trachurus* species for FAO Area 81 avoid counting both New Zealand and Ukraine catches as this will inflate the total amount.

#### References:

Ministry for Primary Industries (2012). Report from the Fisheries Assessment Plenary, May 2012: stock assessments and yield estimates. Compiled by the Fisheries Science Group, Ministry for Primary Industries, Wellington, New Zealand. 1194 p.

[SWG-10-INF-02](#) New Zealand historical jack mackerel catches (Rev1)