



CCSBT-CC/1410/14

Southern Bluefin Tuna Trade data: Annual analyses

Executive Summary

The Secretariat continued its subscription to the Global Trade Atlas (GTA) database in 2014. This paper presents annual summaries of SBT trade statistics from the GTA database for 2010-2013 inclusive, as well as comparing these against import/export figures derived from the Secretariat's own Catch Documentation Scheme (CDS) database. As in 2013's analysis, imports and exports associated with Non-cooperating Non-Members (NCNMs) are highlighted as they are most likely to be indicative of potential emerging markets. The overall results of the analysis are generally consistent with previous years' results, and are summarised below.

Subscription

Details of the Secretariat's subscription to GTA can be found in paper CCSBT-CC/1310/15 (Attachments 2 and 3). One small difference to the Secretariat's subscription in 2014 is that Croatia has been included as an additional member of the European Union (EU).

Main NCNM Markets (as indicated by trade statistics from the GTA and CDS databases)

The only NCNMs with recorded **imports**¹ exceeding 5 metric tonnes (mt) in any year between 2010 and 2013 were:

- Canada
- China
- Hong Kong
- Lebanon
- Russian Federation
- Singapore
- Sri Lanka
- USA.

However, note that where the GTA database recorded Canada and the Russia Federation as having received exports (*i.e.* being importers) of fresh/chilled SBT, this SBT came from the USA, and the unit prices for Canada (and also for one of the Russian Federation cases) were low, therefore making it very unlikely for this to have been SBT product. In addition, the import into Sri Lanka was from Hong Kong and had a unit price of only USD \$2.00/kg, so this was again unlikely to have been SBT product.

¹ NCNM importers are either those NCNMs recorded as an importer of SBT product or the recipient of SBT exports on the GTA database; on the CDS database they can be inferred from the intended NCNM export destination recorded on the CDS form.

There were only six NCNMs with recorded *exports*² exceeding more than 5mt of SBT in any year between 2010 and 2013 were:

- Canada
- China
- Hong Kong
- Panama
- Singapore
- USA.

However, note that the exports from Canada to the USA were for fresh/chilled product, and therefore unlikely to be SBT due to the low probability that Canada either caught or was able to re-export fresh/chilled SBT (although unit prices are high in this case). In addition, the single recorded export from Panama (to Spain) in 2010 had a unit price of only USD \$2.45/kg and therefore it is again unlikely to have been SBT.

Therefore in summary, the CDS and GTA data suggest that the main NCNM markets for SBT between 2010 and 2013 appear to be China, Hong Kong, Singapore, the USA, and potentially also Lebanon and the Russian Federation.

Comparison of GTA Trade Statistics versus Trade Indicated by the CDS Database

A comparison of trade in SBT indicated by the GTA and CDS databases is presented in section 4 of this paper. There are quite substantive differences in the level of trade indicated between the two databases for some Members.

Recommendations

In order to try to obtain improved estimates of trade and global catches of SBT, and to therefore assist in the detection of any potential IUU trade in SBT, it is recommended that:

- The Secretariat continues its subscription to the Global Trade Atlas (GTA) database and reviews its subscription requirements annually.
- The CCSBT continue to seek the cooperation of China, Hong Kong, Singapore, and the USA with respect to operation of the CCSBT CDS, and that these NCNMs are encouraged to become formal Other State/Fishing Entities Cooperating in the CDS (OSECs³) to CCSBT. As a priority, any cooperative arrangements should encourage these States/entities to require that CDS documents accompany all SBT imports as well as any domestic landings of SBT, and that copies of these CDS documents are forwarded to the CCSBT Secretariat. It is also suggested that Members that export SBT to NCNMs consider taking a lead role in encouraging the NCNMs they trade with to cooperate with the CDS.
- The EU is encouraged to implement the CCSBT CDS as soon as possible.

² NCNM exporters are either those NCNMs recorded as having exported SBT product or those recorded as the source of origin of an import on the GTA database. The CDS database does not hold any information about NCNM exporters.

³ OSEC means a State/Fishing Entity that has expressed its commitment, in writing, to cooperate with the CDS Resolution. There are currently no operational OSECs.

Any significant trade of SBT recorded in the GTA database that appears unlikely to be SBT should be followed up with the States/entities concerned where possible, for example to:

- Confirm whether or not the large tonnages of live, fresh/chilled and frozen SBT that appear to be imported by and traded between EU Members are actually SBT , or alternatively if this product may have been miscoded;
 - Determine whether the products recorded as fresh and frozen SBT exports from the USA, particularly those exported to Canada and the Russian Federation, can be confirmed as SBT;
 - Determine why much lower SBT export tonnages are recorded on the GTA database for Indonesia, the Philippines and South Africa than are recorded on the CDS database; and
 - Determine if apparent Canadian trade of SBT can be verified as SBT.
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1.0 INTRODUCTION and METHODOLOGY

The Secretariat continued its subscription to the Global Trade Atlas® (GTA) database during 2014 and these data are summarised for the 2010 - 2013 calendar years inclusive.

The GTA trade data analyses presented in this paper are for three SBT commodity codes: HS 030236 (fresh/chilled), 030346 (frozen), and HS 030195 (live SBT). No fillet codes were added to the Secretariat's subscription during 2014 because once again the Secretariat did not identify any SBT-specific fillet codes that showed any significant levels of trade.

As in 2013's analysis, imports and exports associated with Non-cooperating Non-Members (NCNMs) are highlighted as they are most likely to be indicative of potential emerging markets. Trade database import/export weights are again compared and contrasted with import/export weights extracted from the CCSBT Secretariat's own Catch Documentation Scheme (CDS) database for 2010 - 2013. Refer to CCSBT-CC/1310/15 for summaries of the methodology used.

Note that results extracted from the GTA database should be considered carefully due to the inherent limitations of the extracted data. For example, CCSBT's subscription includes only a subset of all the GTA data available. In addition, some low unit price figures and unexpected import/export results remain, and potentially indicate that some miscoding of commodity codes is present within data sourced by GTA, *i.e.* that some non-SBT product may have been erroneously recorded as SBT commodity codes in the GTA data sources. In addition, many of the records indicating live imports/exports of SBT recorded on the GTA database seem unlikely from a practical perspective, and may therefore also represent product miscoding rather than actual trade of live SBT. These types of data limitations/ potential miscoding issues should be taken into account when reviewing the results below.

2.0 REPORT BACK ON ITEMS FROM CC8

The Secretariat notes the following with respect to specific items that have been followed up on since CC8:

2.1 Trade by the EU

In 2013, analyses of the GTA data appeared to indicate that high levels of SBT trade were occurring both into and within the EU, and this is again reflected in the updated trade statistics reported for the EU for the 2013 calendar year.

In its National Report to CC8, the EU noted that:

“The EU is currently collecting data from Member States about imports of SBT in order to be able to undertake an audit of the system used for controlling and monitoring imports of SBT, and to clarify any shortcomings in the system.”

The EU undertook to provide further information on imports once its audit work was completed. The Secretariat has recently checked on the progress of this audit, and was

advised that the process is complex and therefore still ongoing, and that the EU may provide further comment about it during the annual meeting.

2.2 Live SBT Exports Recorded for Indonesia

Statistics recorded in the GTA database during 2013 indicated that Indonesia had exported live SBT (95.2t) to Yemen during 2010, however Indonesia advised CC8 that no live exports of SBT could have occurred because no Indonesian fishermen have the technical skills and vessel facilities necessary to maintain SBT alive. The Secretariat responded that it would work with Indonesia to resolve this matter.

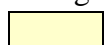
The Secretariat has now reviewed Indonesia's GTA trade data and found that Indonesia's 2010 export data have been updated and no longer include any records indicating that live SBT was exported from Indonesia during 2010. Therefore, the Secretariat advised Indonesia that this matter has now been resolved.

However, the Secretariat's 2014 analyses of Indonesia's trade data again appear to show that live SBT exports occurred, in particular that 2mt of live SBT was exported from Indonesia to East Timor during 2013. The Secretariat has communicated with Indonesia on this matter, but has not yet received a response confirming whether or not this live export did occur. However, it does seem unlikely that these live export data can be correct.

3.0 GTA TRADE DATABASE ANALYSES (2014)

In the first part of this section data extracted from the GTA trade database are displayed in separate tables for each commodity code, live (030195), fresh/ chilled (030236) or frozen (030346). Results are presented separately because they represent different market commodities for which different unit prices are paid.

Throughout the results section, a cell shaded as below indicates a:

 Non-cooperating Non-member (NCNM).

In addition, in import sources and export destinations tables, NCNMs are represented by text in **red**.

In the second part of this section, import and export quantities extracted from the GTA database are compared to import/export quantities available from CCSBT's Catch Documentation Scheme (CDS) where these are available.

3.1 IMPORTS: GTA TRADE DATABASE

3.1.1 LIVE SBT IMPORTS: COMMODITY CODE 030195

Tables 1 and 2 show imported quantities, values, and sources for live SBT recorded in the GTA trade database between 2010 and 2013 for States/entities included within the CCSBT subscription.

The main points to note in tables 1 and 2:

Singapore is recorded as having imported very small quantities of live SBT from Japan, while EU Members are recorded as having a much higher levels of trade in live SBT.

It seems unlikely that any of this trade occurred because of the impracticalities associated with live trade in SBT. It is therefore most likely to be miscoded product.

TABLE 1: Live (commodity 030195) imports for 2010-2013 (subscription states/entities only).

Note: The price per kg has been displayed as a range for the EU group because each EU Member had an individual price per kg figure and it would not have been representative to average these.

Importer	Quantity (mt)				Price per Kg (USD)			
	2010	2011	2012	2013	2010	2011	2012	2013
European Union	1.20	15.90	18.30	24.20	\$0.82 to \$18.41	\$6.14 to \$18.29	\$5.76 to \$39.89	\$0.44 to \$25.46
Singapore	-	0.02	0.43	0.73	-	\$ 128.38	\$ 108.15	\$ 104.32

TABLE 2: Live (commodity 030195) import sources for 2010-2013 (subscription states/entities only).

Importer	Source of import			
	2010	2011	2012	2013
European Union	EU Members	EU Members	EU Members	EU Members
Singapore	-	Japan	Japan	Japan

3.1.2 FRESH/CHILLED SBT IMPORTS: COMMODITY CODE 030236

Tables 3 and 4 show the imported quantities, values, and import sources for fresh/chilled (HS 030236) SBT recorded in the GTA trade database between 2010 and 2013 for States/entities included within the CCSBT subscription.

The main points to note in tables 3 and 4:

- Japan is clearly the main importer of fresh/chilled SBT as expected, with the EU and the USA recorded as being the next highest importers of SBT product.
- In reality fresh/ chilled SBT are less likely to be readily available for trading amongst EU Members. Therefore, it's likely that many of the imports of fresh/ chilled SBT recorded for EU Member States can be attributed to miscoded commodity codes provided to the GTA trade database administrators, *i.e.* other tuna species may have been incorrectly coded as fresh/chilled SBT (HS 030236).

- Singapore has increased its imports of fresh/chilled SBT in recent years from less than 5t in 2010 – 2011, up to approximately 18mt in 2013.
- The USA is reported to have imported 19mt of fresh/chilled SBT from Canada between 2012 and 2013, however this trade again seems unlikely given the low possibility that any Canadian-flagged vessels caught SBT, or that fresh/chilled SBT was re-exported.

TABLE 3:

Fresh/chilled (commodity 030236) imports for 2010-2013 (subscription states/entities only).

Note: The price per kg has been displayed as a range for the EU group because each EU Member had an individual price per kg figure and it would not have been representative to average these.

Importer	Quantity (mt)				Price per Kg (USD)			
	2010	2011	2012	2013	2010	2011	2012	2013
Australia	0.36	-	1.85	0.42	\$ 6.15	\$ -	\$ 13.58	\$ 7.01
EU	151.20	118.30	67.30	59.00	\$1.56 to \$21.93	\$1.34 to \$23.87	\$3.01 to \$27.31	\$4.04 to \$36.48
Japan	2,053.88	1,213.81	1,481.99	1,798.92	\$ 19.54	\$ 23.90	\$ 24.20	\$ 16.40
New Zealand	0.22	0.10	-	-	\$ 16.70	\$ 34.94	\$ -	\$ -
Korea	1.47	4.96	5.35	4.74	\$ 17.18	\$ 14.28	\$ 13.47	\$ 9.90
China	2.10	0.46	2.15	2.71	\$ 16.44	\$ 16.38	\$ 27.42	\$ 28.55
Hong Kong	-	0.08	0.42	0.04	\$ -	\$ 49.55	\$ 42.82	\$ 37.34
Singapore	1.43	3.10	13.07	18.05	\$ 51.14	\$ 43.97	\$ 66.98	\$ 54.90
Thailand	0.16	0.38	-	0.46	\$ 36.74	\$ 36.69	\$ -	\$ 26.89
United States	26.27	2.30	12.37	20.59	\$ 18.76	\$ 23.65	\$ 10.55	\$ 19.74

TABLE 4:

Fresh/chilled (commodity 030236) import sources for 2010-2013 (subscription states/entities only)⁴

Note: NCNMs are represented by the text in red with the quantity imported shown in brackets (mt).

Importer	Source of import			
	2010	2011	2012	2013
Australia	New Zealand		New Zealand	New Zealand
European Union	EU Members, Australia, USA (0.20)	EU Members, Australia, New Zealand	EU Members, Australia, New Zealand	EU Members, Australia
Japan	Australia, New Zealand, Indonesia, South Africa	Australia, New Zealand, Indonesia, South Africa, United States	Australia, New Zealand, Indonesia, South Africa	Australia, New Zealand, Indonesia, South Africa
Korea	Australia, Indonesia	Indonesia	Australia, Indonesia	Australia, Indonesia
New Zealand	Australia	Australia	-	-
China	Australia	Australia, New Zealand	Australia, New Zealand	Australia
Hong Kong	-	Australia	Australia	Australia, New Zealand
Singapore	Australia, Japan	Australia, Japan, New Zealand	Australia, Japan, Taiwan, Thailand (0.04)	Australia, Japan
Thailand	Australia, Japan	Australia, Japan	-	Japan, New Zealand
United States	Australia	Australia	Canada (1.30), New Zealand, South Africa, Australia	Canada (18.04), New Zealand

⁴ GTA records record an import of fresh/chilled product from Fiji to Japan in 2012; Japan have confirmed this SBT was actually imported from NZ, therefore Fiji has not been included as an import source for Japan in this table.

3.1.3 FROZEN SBT IMPORTS: COMMODITY CODE 030346

Tables 5 and 6 show the imported quantities, values, and import sources for frozen (HS 030346) SBT recorded in the GTA trade database between 2010 and 2013 for States/entities included within the CCSBT subscription.

The main points to note in tables 5 and 6:

- Japan is clearly the main importer of frozen SBT, and once again the EU and the USA are recorded as the next highest importers.
- The European Union is reported as having substantial frozen imports, but again it seems likely that other species may have been miscoded as SBT, especially since the level of imports recorded on the GTA database are much higher than the import tonnages the EU has reported to CCSBT.
- The low price per kilogram (USD \$1.79) for the 0.07mt import by South Africa from Japan in 2010 suggests that this small import is almost certainly not SBT.
- China imported 34mt of frozen SBT from Australia in 2013 which was a big increase from previous years.
- Korea and the USA reportedly imported small amounts of frozen SBT (less than 3mt in total) from Mexico and the USA between 2012 and 2013. It seems unlikely that any SBT product can have originated in Mexico, and this is again likely to be miscoded product.
- Sri Lanka's import of 71mt from Hong Kong in 2010 is unlikely to be SBT, since the unit price was only USD \$2.00/ kg.

TABLE 5: Frozen (commodity 030346) imports for 2010-2013 (subscription states/entities only).

Note: The price per kg has been displayed as a range for the EU group because each EU Member had an individual price per kg figure and it would not have been representative to average these.

Importer	Quantity (mt)				Price per Kg (USD)			
	2010	2011	2012	2013	2010	2011	2012	2013
EU	218.60	165.80	157.50	22.90	\$2.32 to \$7.27	\$1.05 to \$5.28	\$1.03 to \$8.12	\$2.14 to \$8.62
Japan	6,793.59	7,432.95	7,440.91	8,631.29	\$ 17.42	\$ 25.37	\$ 22.38	\$ 14.87
New Zealand	0.04	-	-	-	\$ 12.86	\$ -	\$ -	\$ -
South Africa	0.07	-	-	-	\$ 1.79	\$ -	\$ -	\$ -
Korea	80.42	137.29	98.47	241.12	\$ 9.12	\$ 18.88	\$ 15.33	\$ 13.10
China	-	9.86	1.67	34.29	\$ -	\$ 49.62	\$ 40.03	\$ 22.52
Hong Kong	-	-	10.95	-	\$ -	\$ -	\$ 29.80	\$ -
Singapore	14.71	12.39	-	-	\$ 12.01	\$ 23.95	\$ -	\$ -
Sri Lanka	70.97	-	-	0.02	\$ 2.00	\$ -	\$ -	\$ 7.82
Thailand	-	-	-	0.52	\$ -	\$ -	\$ -	\$ 64.67
United States	64.21	34.17	17.61	17.88	\$ 26.22	\$ 59.63	\$ 65.98	\$ 54.71

TABLE 6: Frozen (commodity 030346) import sources for 2010-2013 (subscription states/entities only).

Note: NCNMs are represented by the text in red with the quantity imported shown in brackets (mt).

Importer	Source of import			
	2010	2011	2012	2013
European Union	EU Members, Panama (14.30)	EU Members, Indonesia	EU Members	EU Members
Japan	Australia, Indonesia, Korea, Philippines, Taiwan	Australia, Indonesia, Korea, Philippines, Taiwan	Australia, Indonesia, Korea, Philippines, Taiwan	Australia, Indonesia, Korea, Philippines, Taiwan
Korea	Australia, Indonesia, EU Members, Japan, Turkey (0.13)	Australia, Indonesia, Japan, Taiwan	Australia, EU Members, Indonesia, Japan, Mexico (0.59)	Australia, EU Members, Indonesia, Japan, Mexico (1.84), Philippines
New Zealand	Australia	-	-	-
South Africa	Japan	-	-	-
China	-	Japan	Australia	Australia
Hong Kong	-	-	Indonesia, Japan	-
Singapore	Australia, Japan	Australia	-	-
Sri Lanka	Hong Kong (70.97)	-	-	Maldives (0.02)
Thailand	-	-	-	Japan
United States	Australia, Indonesia, Japan	Australia, Japan	Australia, Japan, Mexico (0.58)	Australia, Japan, Korea

3.2 EXPORTS: GTA TRADE DATABASE

3.2.1 LIVE SBT EXPORTS: COMMODITY CODE 030195

Tables 7 and 8 show the exported quantities and values for live (HS 030195) SBT recorded in the GTA trade database between 2010 and 2013 for States/entities included within the CCSBT subscription.

The main points to note in Tables 7 and 8

As with the results of the import analyses, it seems unlikely that the live trade recorded on the GTA database was in fact live SBT due to the practical difficulties and associated with live exports (especially to the EU). In addition, as mentioned in section 2.2, the Secretariat has communicated with Indonesia about the live export recorded to East Timor in 2013, but has not yet received any confirmation about this.

TABLE 7: Live (commodity 030195) exports for 2010-2013 (subscription states/entities only).

Note – The price per kg has been displayed as a range for the EU group because each EU Member had an individual price per kg figure and it would not have been representative to average these.

Exporter	Quantity (mt)				Price per Kg (USD)			
	2010	2011	2012	2013	2010	2011	2012	2013
European Union	3.40	2.00	45.00	109.70	\$2.92 to \$8.26	\$3.60 to \$6.61	\$0.93 to \$7.24	\$6.14 to \$34.27
Indonesia	-	-	-	2.00	\$ -	\$ -	\$ -	\$ 0.32
Korea	-	-	0.05	-	\$ -	\$ -	\$ 1.10	\$ -
South Africa	0.002	-	-	-	\$ 9.65	\$ -	\$ -	\$ -
Sri Lanka	-	-	-	0.93	\$ -	\$ -	\$ -	\$ 6.98

TABLE 8: Live (commodity 030195) export destinations for 2010-2013 (subscription states/entities only).

Note: NCNMs are represented by the text in red with the quantity exported shown in brackets (mt).

Exporter	Export Destinations			
	2010	2011	2012	2013
European Union	European Union, Switzerland (0.70)	European Union, Equatorial Guinea (0.50), Pakistan (\$3,276 - no weights available)	European Union, Pakistan (\$7,596 - no weights available), United States (33.70)	European Union, Canada (0.10), Pakistan (\$2,454 - no weights available), Switzerland (1.00), Thailand (0.50), United States (39.20)
Indonesia	-	-	-	East Timor (2.00)
Korea	-	-	Sri Lanka (0.05)	-
South Africa	Australia	-	-	-
Sri Lanka	-	-	-	European Union

3.2.2 FRESH/CHILLED SBT EXPORTS: COMMODITY CODE 030346

Tables 9 and 10 show the exported quantities and values fresh/ chilled (HS 030236) SBT recorded in the GTA trade database between 2010 and 2013 for States/entities included within the CCSBT subscription.

The main points to note in tables 9 and 10:

- The quantity of fresh/chilled SBT exports recorded on the GTA database for Indonesia and South Africa are much lower than expected
- EU Members are recorded as having exported substantial amounts of fresh/chilled SBT. In reality fresh/ chilled SBT are less likely to be readily available for trading by EU Members and this trade can probably be attributed to miscoded product, *i.e.* other species may have been incorrectly coded as fresh/chilled SBT (HS 030236).
- The USA reportedly exported 390mt of SBT between 2012 and 2013, mainly to Japan, but also to Canada and the Russian Federation. However, the unit prices (USD \$2.15 - \$3.86) of these exports appear to be too low for it to actually be SBT product.

Table 9: Fresh/chilled (commodity 030236) exports for 2010-2013 (subscription states/ entities only).

Note – The price per kg has been displayed as a range for the EU group because each EU Member had an individual price per kg figure and it would not have been representative to average these.

Exporter	Quantity (mt)				Price per Kg (USD)			
	2010	2011	2012	2013	2010	2011	2012	2013
European Union	285.70	236.60	249.90	205.40	\$2.67 to \$19.41	\$3.64 to \$23.31	\$2.19 to \$97.21	\$0.96 to \$37.01
Australia	1,674.67	766.74	926.24	1,097.00	\$ 16.62	\$ 21.33	\$ 27.52	\$ 19.27
Indonesia	2.02	2.61	1.40	2.99	\$ 1.69	\$ 3.73	\$ 9.77	\$ 5.08
Japan	-	0.07	0.08	-	\$ -	\$ 47.52	\$ 102.21	\$ -
Korea	20.69	-	292.35	49.48	\$ 13.67	\$ -	\$ 4.14	\$ 2.95
New Zealand	138.87	175.17	232.71	430.38	\$ 17.21	\$ 24.39	\$ 29.48	\$ 14.41
South Africa	-	-	-	3.53	\$ -	\$ -	\$ -	\$ 5.15
United States	4.08	-	293.14	96.58	\$ 3.86	\$ -	\$ 2.15	\$ 2.73

TABLE 10: Fresh/chilled (commodity 030236) export destinations for 2010-2013 (subscription states/entities only).

Note: NCNMs are represented by the text in red with the quantity exported shown in brackets (mt).

Exporter	Export Destinations			
	2010	2011	2012	2013
Australia	Canada (0.91), China (2.27), Hong Kong (0.14), Japan, Korea, Malaysia (0.09), New Zealand, Singapore (0.26), Switzerland (0.42), Thailand (1.63), USA (25.55)	Brunei Darussalam (0.03), Canada (0.25), China (0.28), Hong Kong (2.09), Japan, Korea, Malaysia (0.01), New Zealand, Singapore (1.76), Switzerland (0.28), Thailand (0.25), USA (2.43)	China (2.10), Hong Kong (0.40), Japan, Korea, Kuwait (0.08), Malaysia (0.07), Singapore (0.19), Tonga (3.41), USA (0.97)	China (2.32), Hong Kong (0.13), Japan, Korea, Singapore (0.54)
European Union	European Union	European Union, Japan (0.20)	European Union	European Union
Indonesia	Singapore (2.02)	Japan, Korea	Australia, Korea	Japan, Korea
Japan	-	Hong Kong (0.07)	Hong Kong (0.08)	-
Korea	Japan	-	Japan	Japan
New Zealand	Australia, Hong Kong (0.11), Japan, Switzerland (0.08)	Australia, China (1.24), Japan	Australia, China (0.05), Hong Kong (0.04), Japan, USA (2.11)	Australia, Hong Kong (0.04), Japan, Singapore (0.04), Thailand (0.18), USA (4.37)
South Africa	-	-	-	Japan, Lesotho (0.47), USA (2.54)
United States	Japan, Netherlands Antilles (0.42)	-	Canada (5.60), Japan, Jordan (2.23), Russia (86.67)	Canada (35.18), Japan, Russia (6.75)

3.2.3 FROZEN SBT EXPORTS: COMMODITY CODE 030346

Tables 11 and 12 show the exported quantities and values of frozen (HS 030346) SBT recorded in the GTA trade database between 2010 and 2013 for States/entities included within the CCSBT subscription.

The main points to note in tables 11 and 12:

- Korea's exports of frozen SBT are recorded as having increased in the past 3 years from 317mt in 2011 to 1,066mt in 2013, almost exclusively to Japan.
- The quantity of frozen SBT exports recorded on the GTA database for Indonesia and South Africa are much lower than expected
- As with the other results already presented, the EU is reported as having exported considerable tonnages of frozen SBT to other EU Members. Most of these recorded exports again seem likely to be due to miscoding of other tuna species exports.
- China is reported as having exported 50.6mt of frozen SBT to Hong Kong in 2013.

TABLE 11: Frozen exports (commodity 030346) for 2010-2013 (subscription states/entities only).

Note – The price per kg has been displayed as a range for the EU group because each EU Member had an individual price per kg figure and it would not have been representative to average these.

Exporter	Quantity (mt)				Price per Kg (USD)			
	2010	2011	2012	2013	2010	2011	2012	2013
European Union	75.50	83.40	42.60	27.00	\$2.10 to \$3.90	\$3.26 to \$18.15	\$1.97 to \$7.55	\$1.95 to \$2.71
Australia	4,425.10	6,467.15	6,303.92	6,882.45	\$ 17.80	\$ 22.30	\$ 20.66	\$ 13.78
Indonesia	-	35.31	49.83	147.91	\$ -	\$ 5.72	\$ 8.90	\$ 8.48
Japan	28.60	1.14	13.77	58.23	\$ 10.79	\$ 8.56	\$ 10.51	\$ 9.92
Korea	338.27	316.84	581.89	1,065.69	\$ 14.26	\$ 20.10	\$ 24.75	\$ 13.68
New Zealand	179.93	172.70	208.15	159.41	\$ 26.05	\$ 28.45	\$ 30.16	\$ 24.91
South Africa	0.18	-	0.97	0.13	\$ 5.00	\$ -	\$ 1.33	\$ 11.57
Taiwan	642.32	801.35	473.39	281.07	\$ 7.16	\$ 11.75	\$ 14.29	\$ 9.01
China	-	-	-	50.58	\$ -	\$ -	\$ -	\$ 7.09
Singapore	20.83	12.25	-	-	\$ 4.42	\$ 22.62	\$ -	\$ -
United States	0.72	-	2.09	-	\$ 10.89	\$ -	\$ 6.85	\$ -

TABLE 12: Frozen (commodity 030346) export destinations for 2010 -2013 (subscription states/entities only)

Note: NCNMs are represented by the text in red with the quantity exported shown in brackets (mt).

Exporter	Export Destinations			
	2010	2011	2012	2013
Australia	Japan, Singapore (14.58)	Japan, Korea	Brunei Darussalam (0.01), Japan, Korea, Qatar (0.05)	China (26.09), Hong Kong (0.01), Japan, Korea
European Union	European Union	European Union	European Union	European Union
Indonesia	-	Hong Kong (16.48), Lebanon (3.64), USA (15.20)	Hong Kong (4.33), Jordan (0.50), Korea, Lebanon (16.49), USA (18.50)	China (1.50), European Union, Hong Kong (8.00), Jordan (0.75), Korea, Lebanon (16.10), USA (109.30)
Japan	China (0.76), Korea	China (1.14)	Hong Kong (0.06), Korea	Korea
Korea	Japan	Japan	Canada (0.06), Japan	Canada (0.11), Japan
New Zealand	Japan	Japan	Japan	Japan
South Africa	Ships & Aircraft Stores (0.18)	-	Democratic Republic of Congo (0.97)	Zimbabwe (0.13)
Taiwan	Japan, South Africa	Japan, South Africa	Japan, South Africa	Japan, South Africa
China	-	-	-	Hong Kong (50.58)
Singapore	Japan	Hong Kong (0.01), Japan	-	-
United States	Barbados (0.36), Netherlands Antilles (0.36)	-	Bahamas (0.22), Canada (1.22), Jamaica (0.57), St. Kitts & Nevis (0.09)	-

4.0 COMPARISON OF IMPORT AND EXPORT WEIGHTS EXTRACTED FROM THE TRADE & CDS DATABASES

4.1 BACKGROUND INFORMATION

CDS: Importers and Intended Export Destinations

For the CDS database, SBT importers and the quantities imported are normally derived from the import documentation provided by the importing State or entity. In some cases, data have not been received from the importer, but corresponding documentation has been received from the exporter. This usually occurs when importers are NCNMs. In these situations, the importing State/entity and quantity is assumed to equal the intended export destination and quantity provided on exporter's CDS forms.

Also, because there are currently no operational OSECs party to the CDS Resolution, if no intended export destination was provided by the exporter, and the SBT was exported to a NCNM, then the import State or entity will not be available on the CDS database. However, this was the case for less than 0.4% of the CDS catch monitoring forms on which exports were recorded between 2010 and 2013.

CDS and GTA Database Product Types

The CDS database reports on all SBT product types. The two non-live SBT commodity codes subscribed to in the GTA trade database include only SBT products other than fillets, livers and roes. Therefore, in some cases, quantities of SBT extracted from the GTA trade database might be expected to be an underestimate of the total SBT exported or imported, because the GTA figures will not include any weights for fillet, liver or roe products.

CDS Quantity Information (metric tonnes)

The weights reported from the CDS database are actual (net) weights of imports/exports which have had no conversion factors applied to them, *i.e.* there has been no attempt to convert values to total live weight values. This approach was taken to better facilitate direct comparisons with GTA trade database figures which are also recorded as net weights.

Year of Import/ Export

The import year for which the following analyses are presented is the year in which SBT arrived in the importing State or entity. This may be a different year from which these same SBT were recorded as being exported. For example the fish may have been recorded as being exported in November 2010 by the exporter, but may not have reached the importer and been reported as an import until January 2011, *etc.* These differences between exporting year and importing year could potentially contribute to an apparent mismatch in exported versus imported quantities within any one year, when comparing annual quantities between the two databases.

Re-export Data

Re-exporting trade practices could potentially cause an apparent mismatch between the trade quantities extracted from the CDS database versus those extracted from the GTA trade database. For example, for import statistics, the source of the import usually refers to the initial 'country of origin' (not for example the re-exporting State/entity name), while for export statistics, export destination can refer to either the intermediary (re-exporting) or 'Final destination' of the export.

4.2 COMPARISON OF SBT IMPORTS: CDS versus GTA Database

The following tables (Tables 13 – 16) present the total weight of imports recorded by the CDS database between 2010 and 2013, in comparison to the combined fresh-chilled/frozen weights for the two HS commodity codes 030236 and 030346 extracted from the GTA trade database.

Import comparison main points (tables 13 to 16):

- Korea's CDS import totals are much higher than the GTA totals for both 2012 and 2013. However, these differences may be due to differences in how re-export trade is recorded on the GTA database.
- The GTA import figures are much larger than the CDS import figures for:
 - EU (all years) – possibly due to miscoding of other species as SBT in the GTA database. Note also that the EU has not yet returned any importer copies of CDS forms to the Secretariat
 - Hong Kong (2012)
 - Singapore (2011-2013)
 - Sri Lanka (2010) – but unlikely to be SBT as it has a unit price of \$2.00/kg.
- The CDS shows much larger amounts of SBT imported by the USA than are recorded in the GTA database (all years).

TABLE 13: CDS versus GTA database imported weights: 2010⁵

Importer	CDS - Total imports of fresh and frozen product (mt)	GTA - Total imports of fresh and frozen product (mt)
Australia	0.5	0.4
European Union	18.7	369.8
Indonesia	0.1	0.0
Japan	9162.8	8847.5
Korea	91.2	81.9
New Zealand	0.5	0.3
Philippines	0.0	0.0
South Africa	1.6	0.1
Taiwan	0.0	0.0
Canada	1.1	N/A
China	3.4	2.1
Hong Kong	0.9	0.0
Malaysia	1.5	N/A
Mauritius	2.8	0.0
Russia	6.4	0.0
Singapore	17.3	16.1
Sri Lanka	0.0	71.0
Switzerland	1.0	0.0
Thailand	0.5	0.2
United Arab Emirates	0.03	N/A
United States	235.3	90.5
Unknown	22.0	0.0

N/A – means that this State/entity is not part of the Secretariat's current GTA subscription

⁵ Note that this CDS import weight does include imports from Re-export/ Export after Landing of Domestic Product (REEF) forms

TABLE 14: CDS versus GTA database imported weights: 2011⁵

Importer	CDS - Total imports of fresh and frozen product (mt)	GTA - Total imports of fresh and frozen product (mt)
Australia	1.3	0.0
European Union	1.8	284.1
Indonesia	0.0	0.0
Japan	9310.3	8646.8
Korea	125.8	142.3
New Zealand	0.1	0.1
Philippines	0.0	0.0
South Africa	1.9	0.0
Taiwan	0.0	0.0
Brunei	0.03	N/A
Canada	0.2	N/A
China	0.4	10.3
Hong Kong	2.8	0.1
Kuwait	0.1	N/A
Malaysia	0.3	0.0
Qatar	0.01	N/A
Russia	7.7	0.0
Singapore	2.8	15.5
Switzerland	0.2	N/A
Thailand	0.3	0.4
United States	224.0	36.5
Unknown	12.6	0.0
Vietnam	0.1	N/A

N/A – means that this State/entity is not part of the Secretariat's current GTA subscription

Table 15: CDS versus GTA database imported weights: 2012⁵

Importer	CDS - Total imports of fresh and frozen product (mt)	GTA - Total imports of fresh and frozen product (mt)
Australia	3.4	1.9
European Union	1.8	224.8
Indonesia	0.0	0.0
Japan	9452.5	8922.9
Korea	199.3	103.8
New Zealand	0.0	0.0
Philippines	0.0	0.0
South Africa	2.9	0.0
Taiwan	0.0	0.0
Brunei	0.02	N/A
China	5.3	3.8
Hong Kong	0.2	11.4
Kuwait	0.2	N/A
Malaysia	0.3	N/A
Singapore	0.5	13.1
Switzerland	0.2	N/A
Thailand	1.7	0.0
United States	222.7	30.0

TABLE 16: CDS versus GTA database imported weights: 2013⁵

Importer	CDS - Total imports of fresh and frozen product (mt)	GTA - Total imports of fresh and frozen product (mt)
Australia	2.5	0.4
European Union	1.2	81.9
Indonesia	18.6	0.0
Japan	10571.7	10430.2
Korea	370.0	245.9
New Zealand	0.0	0.0
Philippines	0.0	0.0
South Africa	3.9	0.0
Taiwan	0.0	0.0
China	40.3	37.0
Hong Kong	0.3	0.0
Malaysia	0.3	0.0
Norway	0.1	0.0
Qatar	0.04	0.0
Singapore	1.7	18.1
Thailand	0.3	1.0
United States	78.2	38.5
Unknown	4.6	0.0

N/A – means that this State/entity is not part of the Secretariat’s current GTA subscription

4.3 COMPARISON OF SBT EXPORTS: CDS versus GTA Database

Tables 17 to 20 show the total weight of exports recorded in the CDS database for 2010 to 2013, in comparison to the combined fresh-chilled/frozen totals for the two HS commodity codes 030236 and 030346 extracted from the GTA trade database.

Exported weights are not available from the CDS database for NCNMs because they are not required to submit CDS documents to the Secretariat. Also because the CDS does not record any instances of live imports or exports of SBT (HS 030195), no data for live SBT trade are included in this section.

Note:

For CDS total weights, re-exports of SBT are only included in export totals where the REEF represents an export after Landing of Domestic Product, but not in cases where the REEF is a re-export. Totals have been calculated this way to try to facilitate a closer comparison of results. Re-exports are being made from an intermediary destination, and the Secretariat understands that the GTA database classifies an export as having been exported from the originating State/entity, and not the intermediary State/entity re-exporting the product.

Export Comparison main points (tables 17 to 20):

- The CDS trade figures for Australia and Japan are generally quite close to the GTA figures.
- Korea's CDS export figures were more than double the GTA export figures for 2010-2011. This could be due to differences in how re-export trade is recorded on the GTA database.
- New Zealand's CDS export figures are 36.6% to 52.2% higher than the GTA figures recorded for 2010-2012, but only 8.9% higher for 2013.
- Taiwan has two years when CDS export figures are greater than the GTA figures, and two years where they are less. CDS database records show that Taiwan's SBT are often caught in one year, and exported/received by the importer in the following year. This could be the reason for the larger discrepancies between Taiwan's weights recorded in the CDS system (for any one year) versus the corresponding weights shown for the GTA trade database. In fact, summing across all 4 years gives similar overall export totals across the 2 databases (CDS 2,377mt compared to GTA 2,198mt).
- The GTA database records substantial exports occurring from EU Members, but none are recorded in the CDS database. As mentioned in earlier sections, it is likely that much of this GTA-recorded EU export trade is for species other than SBT and that the apparently large amounts of trade in SBT recorded are likely to be due to product miscoding issues.
- For Indonesia, the Philippines, and South Africa, the CDS database records much higher total export volumes than are recorded on the GTA database.
- For the NCNMs China, Singapore and the USA, no CDS data are available, however considerable export quantities/dollar values of SBT trade are recorded on the GTA database.

TABLE 17: CDS versus GTA database exported weights: 2010

N/A - There is no information available for these States/ entities in the CDS database as they are NCNMs which do not submit CDS documents to the Secretariat.

Exporter	CDS - Total exports of fresh and frozen product (mt)	GTA - Total exports of fresh and frozen product (mt)
Australia	6616.3	6099.8
European Union	0.0	361.2
Indonesia	452.2	2.0
Japan	27.9	28.6
Korea	868.4	359.0
New Zealand	479.1	318.8
Philippines	37.0	0.0
South Africa	22.5	0.2
Taiwan	968.7	642.3
Singapore	N/A	20.8
United States	N/A	4.8

TABLE 18: CDS versus GTA database exported weights: 2011

N/A – There is no information available for these states/ entities in the CDS database as they are NCNMs which do not submit CDS documents to the secretariat.

Exporter	CDS - Total exports of fresh and frozen product (mt)	GTA - Total exports of fresh and frozen product (mt)
Australia	7218.6	7233.9
European Union	0.0	320.0
Indonesia	617.3	37.9
Japan	0.6	1.2
Korea	769.2	316.8
New Zealand	475.3	347.9
Philippines	39.1	0.0
South Africa	36.2	0.0
Taiwan	460.5	801.3
Singapore	N/A	12.3
United States	N/A	0.0

TABLE 19: CDS versus GTA database exported weights: 2012.

N/A – There is no information available for these states/ entities in the CDS database as they are NCNMs which do not submit CDS documents to the secretariat.

Exporter	CDS - Total exports of fresh and frozen product (mt)	GTA - Total exports of fresh and frozen product (mt)
Australia	7251.1	7230.2
European Union	0.0	292.5
Indonesia	686.6	51.2
Japan	15.6	13.8
Korea	759.3	874.2
New Zealand	671.1	440.9
Philippines	39.6	0.0
South Africa	48.5	1.0
Taiwan	308.7	473.4
United States	N/A	295.2

TABLE 20: CDS versus GTA database exported weights: 2013.

N/A – There is no information available for these states/ entities in the CDS database as they are NCNMs which do not submit CDS documents to the secretariat.

Exporter	CDS - Total exports of fresh and frozen product (mt)	GTA - Total exports of fresh and frozen product (mt)
Australia	8059.3	7979.4
European Union	0.0	232.4
Indonesia	509.2	150.9
Japan	56.0	58.2
Korea	858.4	1115.2
New Zealand	642.0	589.8
Philippines	39.6	0.0
South Africa	35.4	3.7
Taiwan	639.2	281.1
China	N/A	50.6
United States	N/A	96.6

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