



GOVERNMENT OF SAMOA

SAMOA BUREAU OF STATISTICS

Shipping Statistics Report July -December 2016

Highlights of the six months period

- 270 sea going vessels were cleared at the port of Apia
- 106 sea going vessels were accepted for tabulation consisted of sixty nine (69) container vessels, twenty six (26) General Cargo Vessels, and eleven (11) Mineral Oil Tankers.

Overview

Number of vessels

The total number of sea going vessels cleared at the port of Apia during the last six months (July to December) of 2016 was two hundred and seventy (270). Of the total, one hundred and six (106) international sea going vessels were accepted for tabulation, which consisted of sixty nine (69) Container Vessels, twenty six (26) General Cargo Vessels, and eleven (11) Mineral Oil Tankers while one hundred and sixty four (164) vessels were excluded from tabulation as they do not have the required information. See figure 1 and tables 1&2.

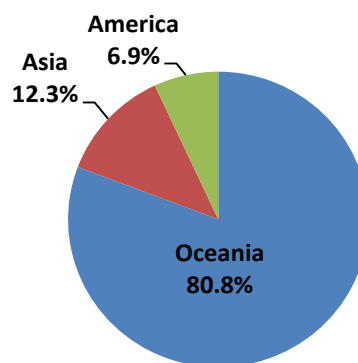
Figure 1. Number of vessels by type and percentage

| Type of Vessel | Number of Vessles | Percentage |
|----------------------|-------------------|------------|
| Total | 106 | 100 |
| Container Vessel | 69 | 65.1 |
| General Cargo Vessel | 26 | 24.5 |
| Mineral Oil Tanker | 11 | 10.4 |

Cargo Discharged

The analysis of cargo discharged at the port of Apia indicated that, eighty one (81)¹ vessels discharged a combined total of 145 thousand metric tonnes of cargo, of which 80.8 percent (117 thousand metric tonnes) from the Oceanic region (mostly from New Zealand and Fiji), 12.3 percent (18 thousand metric tonnes) came from Asia (mostly from Korea), and 6.9 percent (10 thousand metric tonnes) from the American region (all from USA). See figure 2 and table 3 & 6.

Figure 2: Cargo Discharged by Region (July - December 2016)



Source: Samoa Bureau of Statistics

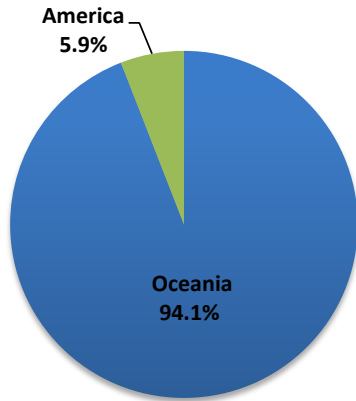
Cargo Loaded

There were fifty nine (59)² vessels loaded a combined total of 28 thousand metric tonnes of cargo, of which 94.1 percent (26 thousand metric tonnes) were loaded for the Oceanic region (mostly to New Zealand and Fiji) and the remaining 5.9 percent (2 thousand metric tonnes) were loaded for the American region (all to USA). See figure 3 and table 3.

¹ Refers to vessels that only had inward cargo

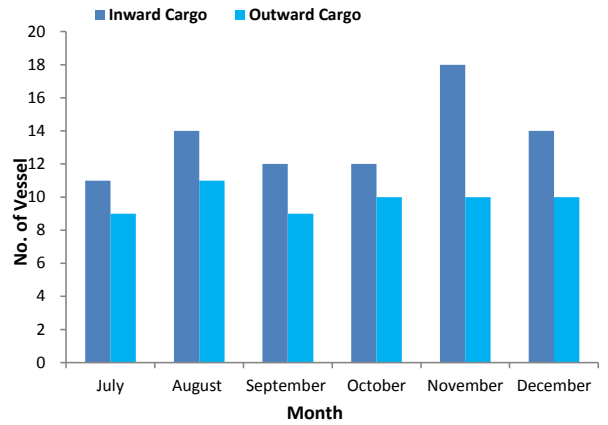
² Refers to vessels that only had outward cargo

Figure 3: Cargo Loaded by Region (July - December 2016)



Source: Samoa Bureau of Statistics

Figure 5: Vessels that carried Inward/Outward Cargo per month (July - December 2016)



Source: Samoa Bureau of Statistics

Vessels carried inward/outward cargo

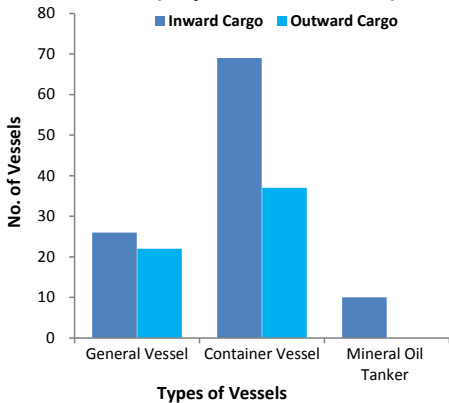
Of the one hundred and six (106)³ vessels arrived, there were eighty one (81) vessels carried inward cargo and fifty nine (59) vessels returned with outward cargo.

The 81 vessels carried inward cargo consisted of sixty four (64) Container vessels, eleven (11) Mineral Oil Tankers and six (6) General Cargo vessels while the fifty nine (59) vessels returned with outward cargo consisted of thirty seven (37) Container vessels and twenty two (22) General Cargo vessels. Figures 4, 5 and table 6 illustrate the graphical and tabular analysis of the number of vessels that carried inward/outward cargo by type and month during the reference period.

A comparative analysis of six month shipping reports in the last two years (2014-2016) revealed that, the total number of vessels⁴ arrived ranged from 91 to 106 while vessels⁵ departed ranged from 44 to 65 as depicted in figure 6.

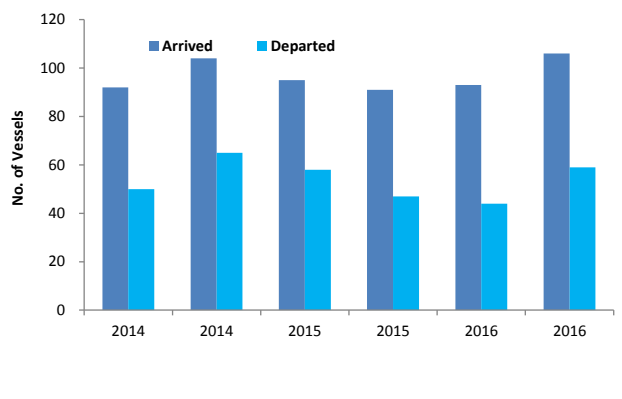
On the other hand, cargo discharged ranged from 100 thousand to 238 thousand metric tonnes while cargo loaded ranged from 18 thousand to 36 thousand metric tonnes. See figure 7.

Figure 4: Number of Vessels that carried Inward/Outward Cargo by Type (July - December 2016)



Source: Samoa Bureau of Statistics

Figure 6: Vessels Arrived/Departed at the Port of Apia (2014-2016)



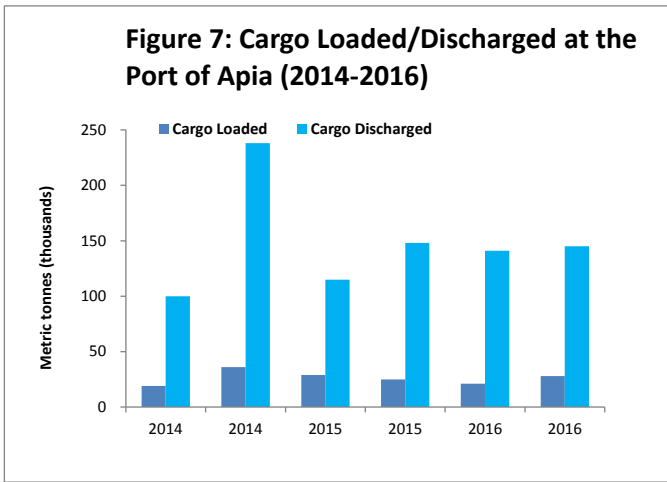
Source: Samoa Bureau of Statistics

³ Refers to vessels that had the required information

⁴ Refers to vessels that had the required information

⁵ Refers to vessels that only had outward cargo

Figure 7: Cargo Loaded/Discharged at the Port of Apia (2014-2016)



Source: Samoa Bureau of Statistics

The attached tables 1-7 provides the reader with a more detailed analysis of international sea going vessels, and cargo loaded and discharged at the port of Apia within the reference period.

I would like to express my sincere gratitude and appreciation to all shipping agents, Stevedores and various government departments for their continuous support and cooperation, without which this report would not have been possible. A special word of thank you also goes to SPA (Samoa Port Authority) for their never – ending support in the provision of the necessary information’s required for the compilation of this report.

The 2016 Annual Report Shipping Statistics Report will be available on April 28th 2017.

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Government Statistician

Technical notes

Data for the Shipping Statistics Report published by the Samoa Bureau of Statistics were collected mainly from Shipping Statistic Forms and cargo manifests, which were completed by Shipping agents and Stevedores as a port requirement for every international sea going vessel. This report excludes all domestic services and the Apia-Pago Pago route. Furthermore, if a vessel calls in more than once, its subsequent calls are recorded as a separate vessel.

Definitions

DWT (Dead Weight Tonnage)

Is the number of tons of cargo, store, etc., that a vessel is capable of carrying when floating at her load draught.

GRT (Gross Registered Tonnage)

Is the measure of the total internal volume of the ship, and is equal to the number deck tonnage plus the tonnage of all enclosed space above the tonnage deck.

NRT (Net Registered Tonnage)

Is the residual tonnage after the various allowances for propelling, power, crew spaces, and navigation spaces have been deducted from the gross tonnage.

- = magnitude is zero

0 = negligible

Table 1. ARRIVAL OF VESSELS BY TYPE AND COUNTRY OF ORIGIN 1/

PORT : APIA

PERIOD : July - December 2016

| Country of Origin | TOTAL | | | | General Cargo Vessel | | | | Container Vessel | | | | Mineral Oil Tanker | | | |
|-----------------------|------------|----------------|--------------|----------------|----------------------|-------------|-------------|-------------|------------------|--------------|--------------|--------------|--------------------|--------------|-------------|--------------|
| | No of Ship | GRT | NRT | DWT | No of Ship | GRT | NRT | DWT | No. of Ship | GRT | NRT | DWT | No of Ship | GRT | NRT | DWT |
| TOTAL | 106 | 1,002.4 | 459.2 | 1,276.9 | 26 | 17.1 | 10.1 | 13.1 | 69 | 812.9 | 380.7 | 999.8 | 11 | 172.4 | 68.4 | 264.0 |
| <u>OCEANIA</u> | 28 | 27.1 | 14.9 | 24.3 | 26 | 17.1 | 10.1 | 13.1 | 2 | 10.0 | 4.8 | 11.2 | - | - | - | - |
| Tonga | 3 | 4.8 | 3.0 | 7.2 | 3 | 4.8 | 3.0 | 7.2 | - | - | - | - | - | - | - | - |
| Fiji | 1 | 1.3 | 4.9 | 1.5 | 1 | 1.3 | 4.9 | 1.5 | - | - | - | - | - | - | - | - |
| Cook Island | 24 | 21.0 | 7.0 | 15.6 | 22 | 11.0 | 2.2 | 4.4 | 2 | 10.0 | 4.8 | 11.2 | - | - | - | - |
| <u>AMERICA</u> | 18 | 233.4 | 132.6 | 238.5 | - | - | - | - | 12 | 210.6 | 126.0 | 215.1 | 6 | 22.8 | 6.6 | 23.4 |
| Panama | 18 | 233.4 | 132.6 | 238.5 | - | - | - | - | 12 | 210.6 | 126.0 | 215.1 | 6 | 22.8 | 6.6 | 23.4 |
| <u>EUROPE</u> | 22 | 256.7 | 106.6 | 339.0 | - | - | - | - | 21 | 226.7 | 95.5 | 288.2 | 1 | 30.0 | 11.1 | 50.8 |
| Portugal | 14 | 108.4 | 48.6 | 137.7 | - | - | - | - | 14 | 108.4 | 48.6 | 137.7 | - | - | - | - |
| Italy | 7 | 118.3 | 46.9 | 150.5 | - | - | - | - | 7 | 118.3 | 46.9 | 150.5 | - | - | - | - |
| Denmark | 1 | 30.0 | 11.1 | 50.8 | - | - | - | - | - | - | - | - | 1 | 30.0 | 11.1 | 50.8 |
| <u>AFRICA</u> | 2 | 60.0 | 25.7 | 98.1 | - | - | - | - | - | - | - | - | 2 | 60.0 | 25.7 | 98.1 |
| Liberia | 2 | 60.0 | 25.7 | 98.1 | - | - | - | - | - | - | - | - | 2 | 60.0 | 25.7 | 98.1 |
| <u>ASIA</u> | 36 | 425.2 | 179.4 | 577.0 | - | - | - | - | 34 | 365.6 | 154.4 | 485.3 | 2 | 59.6 | 25.0 | 91.7 |
| Singapore | 29 | 281.0 | 127.0 | 376.3 | - | - | - | - | 29 | 281.0 | 127.0 | 376.3 | - | - | - | - |
| Hong Kong | 7 | 144.2 | 52.4 | 200.7 | - | - | - | - | 5 | 84.6 | 27.4 | 109.0 | 2 | 59.6 | 25.0 | 91.7 |

Source : Samoa Bureau of Statistics

Data source: Samoa Ports Authority, Shipping Agents

1/ : Provisional Figures

Note : A vessel may call in more than once and its subsequent calls are counted as separate vessels.

Table 2. DEPARTURE OF VESSELS BY TYPE AND COUNTRY OF DESTINATION 1/

PORT : APIA

PERIOD : July - December 2016

| Country of Destination | TOTAL | | | | General Cargo Vessel | | | | Container Vessel | | | | Mineral Oil Tanker | | | |
|------------------------|------------|----------------|--------------|----------------|----------------------|-------------|-------------|-------------|------------------|--------------|--------------|--------------|--------------------|--------------|-------------|--------------|
| | No of Ship | GRT | NRT | DWT | No of Ship | GRT | NRT | DWT | No. of Ship | GRT | NRT | DWT | No of Ship | GRT | NRT | DWT |
| TOTAL | 106 | 1,002.4 | 459.2 | 1,276.9 | 26 | 17.1 | 10.1 | 13.1 | 69 | 812.9 | 380.7 | 999.8 | 11 | 172.4 | 68.4 | 264.0 |
| OCEANIA | 106 | 1,002.4 | 459.2 | 1,276.9 | 26 | 17.1 | 10.1 | 13.1 | 69 | 812.9 | 380.7 | 999.8 | 11 | 172.4 | 68.4 | 264.0 |
| New Zealand | 5 | 16.5 | 9.3 | 17.1 | 1 | 1.3 | 4.9 | 1.5 | - | - | - | - | 4 | 15.2 | 4.4 | 15.6 |
| Fiji | 55 | 604.7 | 308.9 | 752.2 | - | - | - | - | 51 | 537.1 | 283.5 | 646.6 | 4 | 67.6 | 25.4 | 105.6 |
| Tonga | 3 | 59.7 | 22.3 | 79.6 | - | - | - | - | 3 | 59.7 | 22.3 | 79.6 | - | - | - | - |
| Tahiti | 12 | 168.3 | 65.9 | 216.0 | - | - | - | - | 12 | 168.3 | 65.9 | 216.0 | - | - | - | - |
| Am. Samoa | 6 | 137.4 | 47.6 | 200.4 | - | - | - | - | 3 | 47.8 | 9.0 | 57.6 | 3 | 89.6 | 38.6 | 142.8 |
| Tokelau | 25 | 15.8 | 5.2 | 11.6 | 25 | 15.8 | 5.2 | 11.6 | - | - | - | - | - | - | - | - |

Source : Samoa Bureau of Statistics

Data Source: Samoa Ports Authority, Shipping Agents

1/ : Provisional Figures

Note : A vessel may call in more than once and its subsequent calls are counted as separate vessels.

**Table 3. INWARD/OUTWARD FLOW OF CARGO (in metric tonnes) BY TYPE OF VESSEL
AND PORT OF LOADING AND DISCHARGED 1/
PORT : APIA
PERIOD :July - December 2016**

| REGION AND PORT OF LOADING/ DISCHARGE | Total | | General Cargo Vessel | | Container Vessel | | Mineral Oil Tanker | |
|---|----------------|---------------|-------------------------|--------------|---------------------|---------------|-----------------------|----------|
| | Inward | Outward | Inward | Outward | Inward | Outward | Inward | Outward |
| TOTAL | 145,055 | 28,419 | 38 | 1,716 | 105,865 | 26,703 | 39,152 | - |
| <u>OCEANIA</u> | 117,161 | 26,734 | 38 | 1,716 | 77,971 | 25,018 | 39,152 | - |
| Australia | 9,355 | 1,777 | - | - | 8,780 | 1,777 | 575 | - |
| New Zealand | 51,420 | 12,038 | - | - | 51,420 | 12,038 | - | - |
| Fiji | 47,385 | 8,353 | - | - | 16,958 | 8,353 | 30,427 | - |
| New Caledonia | 1 | 50 | - | - | 1 | 50 | - | - |
| Solomon Island | 404 | - | - | - | 404 | - | - | - |
| Tonga | 102 | 170 | - | - | 102 | 170 | - | - |
| Marshall Island | - | 89 | - | - | - | 89 | - | - |
| Cook Island | 12 | - | - | - | 12 | - | - | - |
| Am Samoa | 8,444 | 2,541 | - | - | 294 | 2,541 | 8,150 | - |
| Tokelau | 38 | 1,716 | 38 | 1,716 | - | - | - | - |
| <u>AMERICA</u> | 10,073 | 1,678 | - | - | 10,073 | 1,678 | - | - |
| U.S.A | 10,057 | 1,678 | - | - | 10,057 | 1,678 | - | - |
| Brazil | 16 | - | - | - | 16 | - | - | - |
| <u>ASIA</u> | 17,821 | 7 | - | - | 17,821 | 7 | - | - |
| Korea | 11,709 | 7 | - | - | 11,709 | 7 | - | - |
| China | 3,707 | - | - | - | 3,707 | - | - | - |
| Japan | 1,949 | - | - | - | 1,949 | - | - | - |
| Taiwan | 116 | - | - | - | 116 | - | - | - |
| Thailand | 95 | - | - | - | 95 | - | - | - |
| Singapore | 117 | - | - | - | 117 | - | - | - |
| Phillipines | 47 | - | - | - | 47 | - | - | - |
| Malaysia | 81 | - | - | - | 81 | - | - | - |

Source : Samoa Bureau of Statistics

Data Source: Samoa Ports Authority, Shipping Agents

1/ : Provisional Figures

Note : A vessel may call in more than once and its subsequent calls are counted as separate vessels.

Table 4. ARRIVAL OF VESSEL BY DWT, CLASS AND FLAG 1/

PORT : APIA

PERIOD : July - December 2016

| DWT Class of Vessel | DWT CLASS OF VESSEL | | | | | | | | | | |
|---------------------------|---------------------|--------------|----------|--------------|---------------|---------------|----------------|----------------|----------------|---------------|----------------|
| | Total | 100-499 | 500-999 | 1000-2999 | 3000-4999 | 5000-9999 | 10000-14999 | 15000-19999 | 20000-24999 | 25000-29999 | 30000+ |
| Total No. of Ships | 106 | 22 | - | 4 | 6 | 10 | 30 | 17 | 9 | 3 | 5 |
| Total Tonnage | 1,276,967 | 4,356 | - | 8,842 | 23,124 | 66,884 | 378,877 | 280,251 | 194,620 | 79,492 | 240,521 |
| Singapore | | | | | | | | | | | |
| No. of Ships | 29 | - | - | - | - | - | 24 | 5 | - | - | - |
| Total Tonnage | 376,508 | - | - | - | - | - | 311,573 | 64,935 | - | - | - |
| Hong Kong | | | | | | | | | | | |
| No. of Ships | 7 | - | - | - | - | - | 1 | - | 2 | 2 | 2 |
| Total Tonnage | 200,596 | - | - | - | - | - | 13,569 | - | 44,064 | 51,322 | 91,641 |
| Panama | | | | | | | | | | | |
| No. of Ships | 18 | - | - | - | 6 | - | - | 12 | - | - | - |
| Total Tonnage | 238,440 | - | - | - | 23,124 | - | - | 215,316 | - | - | - |
| Antigua | | | | | | | | | | | |
| No. of Ships | 13 | - | - | - | - | 8 | 5 | - | - | - | - |
| Total Tonnage | 109,335 | - | - | - | - | 55,600 | 53,735 | - | - | - | - |
| Portugal | | | | | | | | | | | |
| No. of Ships | 1 | - | - | - | - | - | - | - | - | 1 | - |
| Total Tonnage | 28,170 | - | - | - | - | - | - | - | - | 28,170 | - |
| Malta | | | | | | | | | | | |
| No. of Ships | 7 | - | - | - | - | - | - | - | 7 | - | - |
| Total Tonnage | 150,556 | - | - | - | - | - | - | - | 150,556 | - | - |
| Denmark | | | | | | | | | | | |
| No. of Ships | 1 | - | - | - | - | - | - | - | - | - | 1 |
| Total Tonnage | 50,800 | - | - | - | - | - | - | - | - | - | 50,800 |
| Liberia | | | | | | | | | | | |
| No. of Ships | 2 | - | - | - | - | - | - | - | - | - | 2 |
| Total Tonnage | 98,080 | - | - | - | - | - | - | - | - | - | 98,080 |
| Tonga | | | | | | | | | | | |
| No. of Ships | 3 | - | - | 3 | - | - | - | - | - | - | - |
| Total Tonnage | 7,299 | - | - | 7,299 | - | - | - | - | - | - | - |
| Fiji | | | | | | | | | | | |
| No. of Ships | 1 | - | - | 1 | - | - | - | - | - | - | - |
| Total Tonnage | 1,543 | - | - | 1,543 | - | - | - | - | - | - | - |
| Cook Island | | | | | | | | | | | |
| No. of Ships | 24 | 22 | - | - | - | 2 | - | - | - | - | - |
| Total Tonnage | 15,640 | 4,356 | - | - | - | 11,284 | - | - | - | - | - |

Source : Samoa Bureau of Statistics

Data Source: Samoa Ports Authority, Shipping Agents

1/: Provisional Figures

Note : A vessel may call in more than once and its subsequent calls are counted as separate vessels.

Table 5. NUMBER OF VESSELS CALLS PER MONTH BY TYPE OF VESSEL 1/**PORT : APIA****PERIOD : July - December 2016**

| Type of Vessels | Total | Jul | Aug | Sept | Oct | Nov | Dec |
|----------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Total | 106 | 15 | 21 | 17 | 16 | 19 | 18 |
| General Cargo Vessel | 26 | 4 | 5 | 4 | 4 | 5 | 4 |
| Container Vessel | 69 | 10 | 13 | 12 | 11 | 11 | 12 |
| Mineral Oil Tanker | 11 | 1 | 3 | 1 | 1 | 3 | 2 |

*Source : Samoa Bureau of Statistics**Data Source: Samoa Ports Authority, Shipping Agents**Source : Samoa Ports Authority, Shipping Agents**1/ : Provisional Figures***Table 6. NUMBER OF VESSELS THAT CARRIED INWARD/OUTWARD CARGO PER MONTH 1/****PORT : APIA****PERIOD : July - December 2016**

| Number of Calls | <u>Type of Vessel</u> | | | |
|------------------|-----------------------|----------------------|------------------|--------------------|
| | Total | General Cargo Vessel | Container Vessel | Mineral Oil Tanker |
| Total | | | | |
| Inward | 81 | 6 | 64 | 11 |
| Outward | 59 | 22 | 37 | - |
| July | | | | |
| Inward | 11 | 1 | 9 | 1 |
| Outward | 9 | 3 | 6 | - |
| August | | | | |
| Inward | 14 | - | 11 | 3 |
| Outward | 11 | 5 | 6 | - |
| September | | | | |
| Inward | 12 | - | 11 | 1 |
| Outward | 9 | 3 | 6 | - |
| October | | | | |
| Inward | 12 | - | 11 | 1 |
| Outward | 10 | 4 | 6 | - |
| November | | | | |
| Inward | 18 | 4 | 11 | 3 |
| Outward | 10 | 5 | 5 | - |
| December | | | | |
| Inward | 14 | 1 | 11 | 2 |
| Outward | 10 | 2 | 8 | - |

*Source: Samoa Bureau of Statistics**Data source: Samoa Shipping Authority, Shipping Agents**1/ : Provisional Figures**Note: A vessel may call in more than once and its subsequent calls are counted as separate vessels.*

Table 7. INWARD/OUTWARD CARGO (in metric tonnes) FLOW PER MONTH BY TYPES OF VESSEL 1/

PORT : APIA

PERIOD : July - December 2016

| Number of Calls | <u>Type of Vessel</u> | | | |
|------------------|-----------------------|----------------------|------------------|--------------------|
| | Total | General Cargo Vessel | Container Vessel | Mineral Oil Tanker |
| Total | | | | |
| Inward | 145,055 | 38 | 105,865 | 39,152 |
| Outward | 28,419 | 1,716 | 26,703 | |
| July | | | | |
| Inward | 12,788 | 1 | 12,697 | 90 |
| Outward | 11,931 | 346 | 11,585 | - |
| August | | | | |
| Inward | 28,753 | - | 13,043 | 15,710 |
| Outward | 3,598 | 178 | 3,420 | - |
| September | | | | |
| Inward | 17,245 | - | 17,125 | 120 |
| Outward | 3,273 | 124 | 3,149 | - |
| October | | | | |
| Inward | 26,659 | - | 18,469 | 8,190 |
| Outward | 3,193 | 148 | 3,045 | - |
| November | | | | |
| Inward | 24,900 | 29 | 18,051 | 6,820 |
| Outward | 3,376 | 438 | 2,938 | - |
| December | | | | |
| Inward | 34,710 | 8 | 26,480 | 8,222 |
| Outward | 3,048 | 482 | 2,566 | - |

Source : Samoa Bureau of Statistics

Data Source: Samoa Ports Authority, Shipping Agents

1/: Provisional Figures

Note: A vessel may call in more than once and its subsequent calls are counted as separate vessels.