



THE NORTHWEST  
SEAPORT ALLIANCE

2017 Annual Trade Report  
Seattle • Tacoma

# 2017

## NWSA Annual Cargo Report

### NWSA at a Glance

#### Containerized Cargo

Container Volume  
**3,702,174 TEUs**

Container Tonnage  
**26,105,730 mt**

#### Non-Containerized Cargo

Breakbulk  
**210,725 mt**

Molasses  
**35,980 mt**

Fuel  
**751,526 mt**

Automobiles  
**146,885 units**

Logs  
**52,706,190 board ft**

#### Vessel Calls

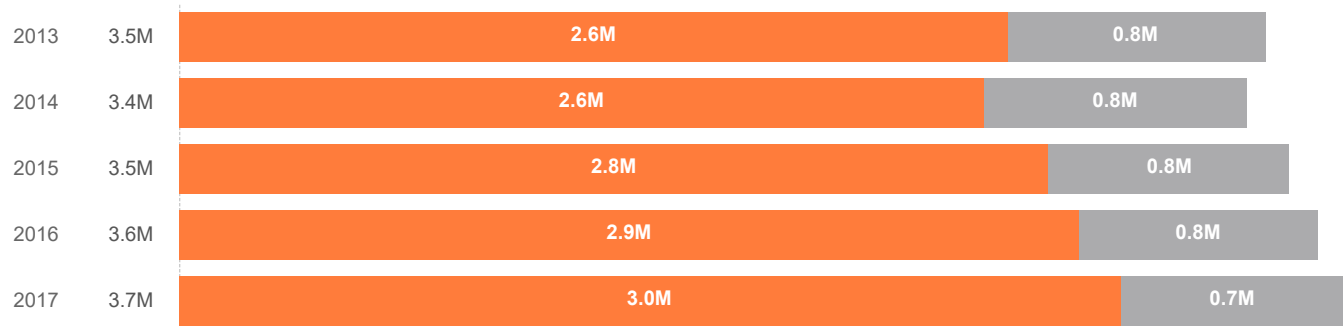
**1,946**

# NWSA Cargo Volumes source: internal data

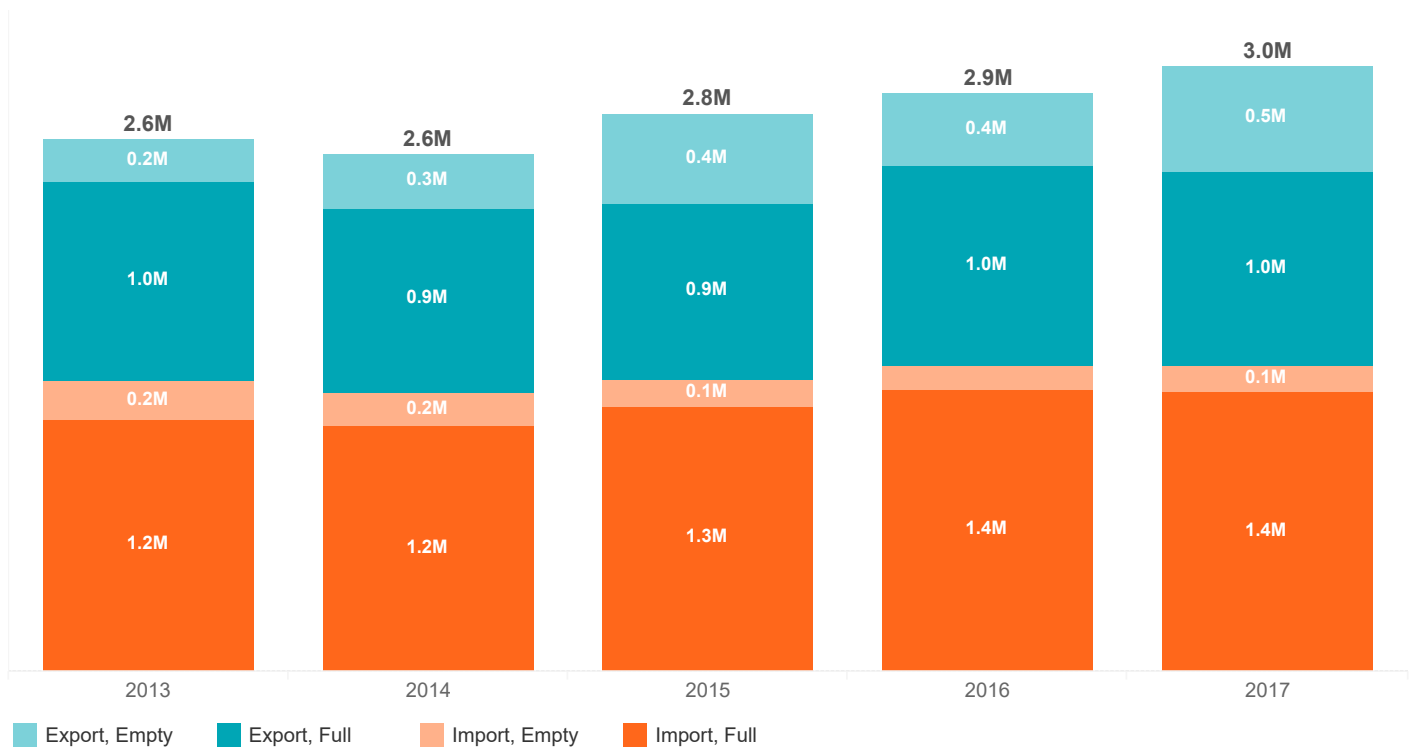
The Northwest Seaport Alliance handled 3.7 million TEUs in 2017, up 2.4 percent from 2016's 3.6 million TEUs. Domestic volumes have been impacted by the struggling Alaska economy.

## Containerized Cargo Annual TEU

**International & Domestic**



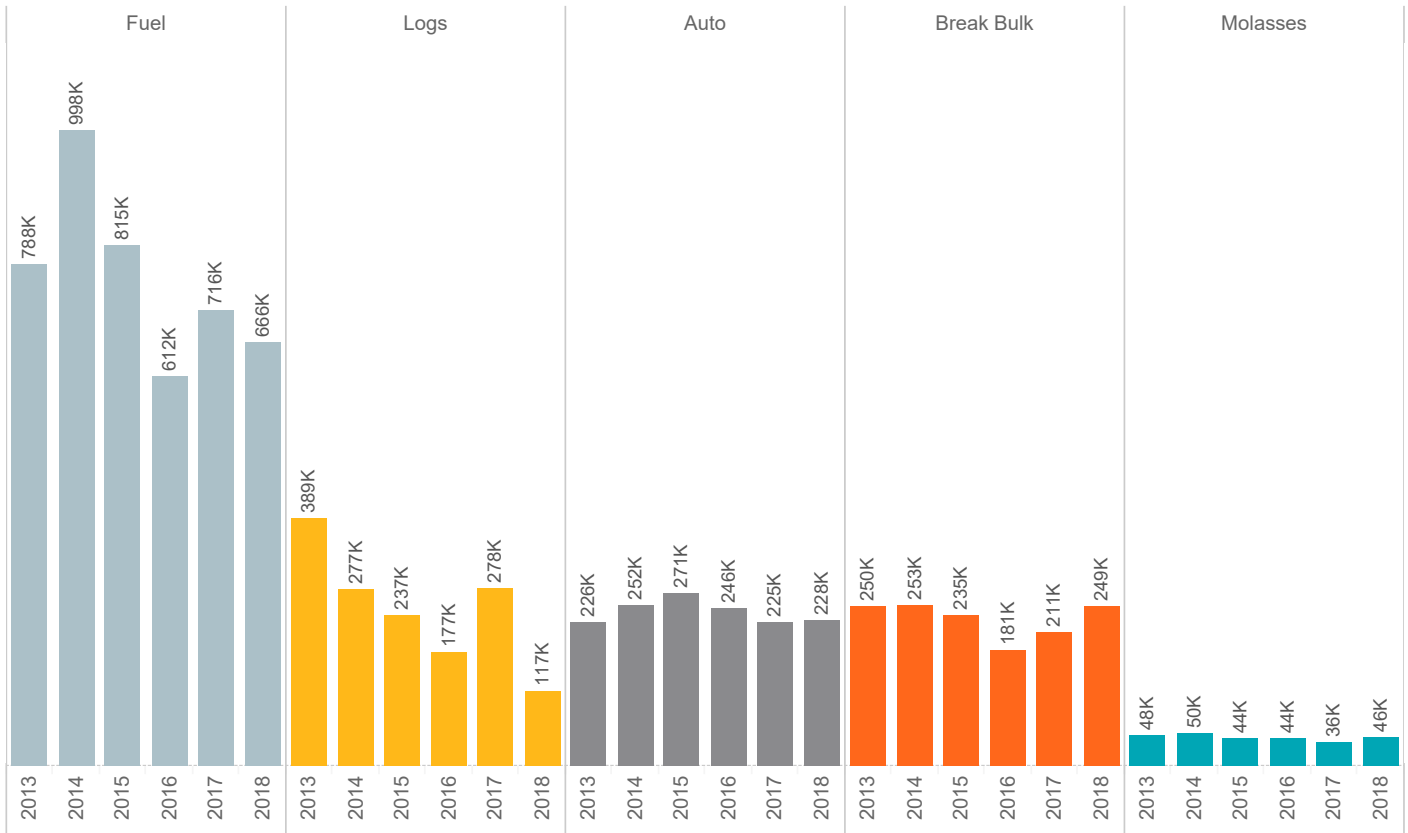
## International Container Volume TEU's



## Containerized Cargo Volumes TEU's

Year	Total	Int'l Import Full	Int'l Export Full	Int'l Empty	Domestic
2013	3,456,156	1,238,892	983,869	412,541	820,855
2014	3,394,087	1,217,664	908,083	431,655	836,685
2015	3,529,441	1,308,214	871,522	581,072	768,633
2016	3,615,752	1,391,590	984,274	482,951	756,938
2017	3,702,174	1,380,785	964,067	650,459	706,863

## NWSA Tonnage by Commodity metric tons



NWSA breakbulk volumes showed a healthy increase in 2017 due to an upturn in the global demand for construction and agricultural equipment. Auto volumes for the year mirrored the decline in global auto production. Log volumes increased due to a consistent demand from China.

Source: Internal Port Data

## NWSA Cargo Tonnage metric tons

Year	Container	Fuel	Logs	Auto	Break Bulk	Molasses
2013	26,346,987	788,419	389,040	226,397	250,124	48,240
2014	25,145,870	997,976	276,628	252,325	253,378	49,912
2015	24,965,859	815,380	236,557	270,744	235,476	43,731
2016	26,766,258	612,224	176,928	246,421	181,372	43,666
2017	26,107,522	715,546	278,078	224,864	210,725	35,980
2018	28,869,249	665,670	116,790	228,295	248,933	45,686

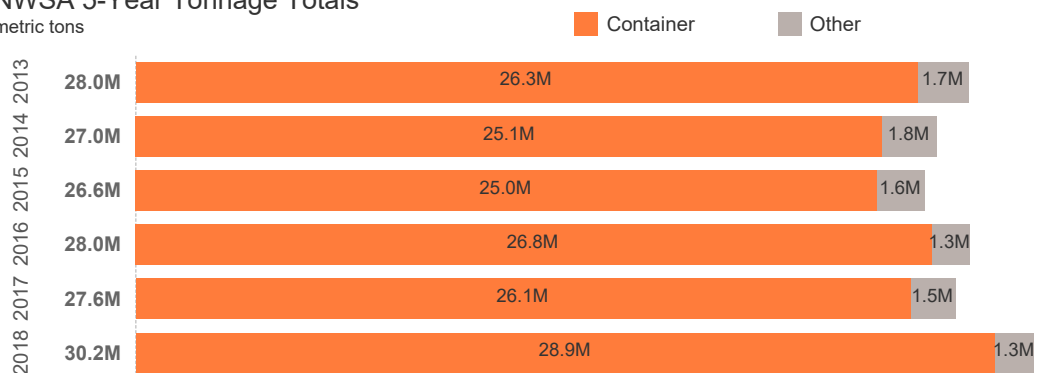
## Vessel Calls

NWSA total

2013	2,227
2014	2,121
2015	2,043
2016	1,995
2017	1,946

## NWSA 5-Year Tonnage Totals

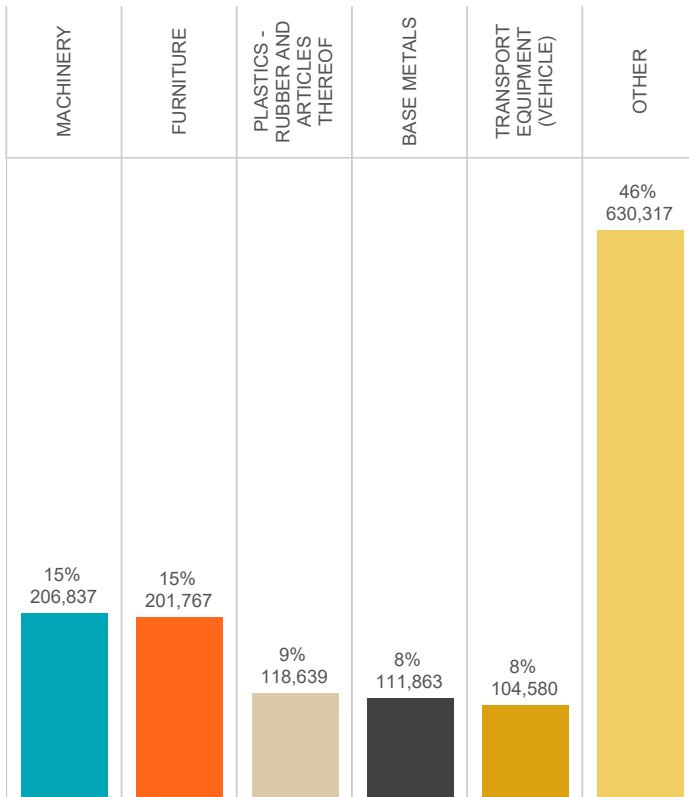
metric tons



# Top NWSA Containerized Commodities by Volume in TEU, PIERs Data

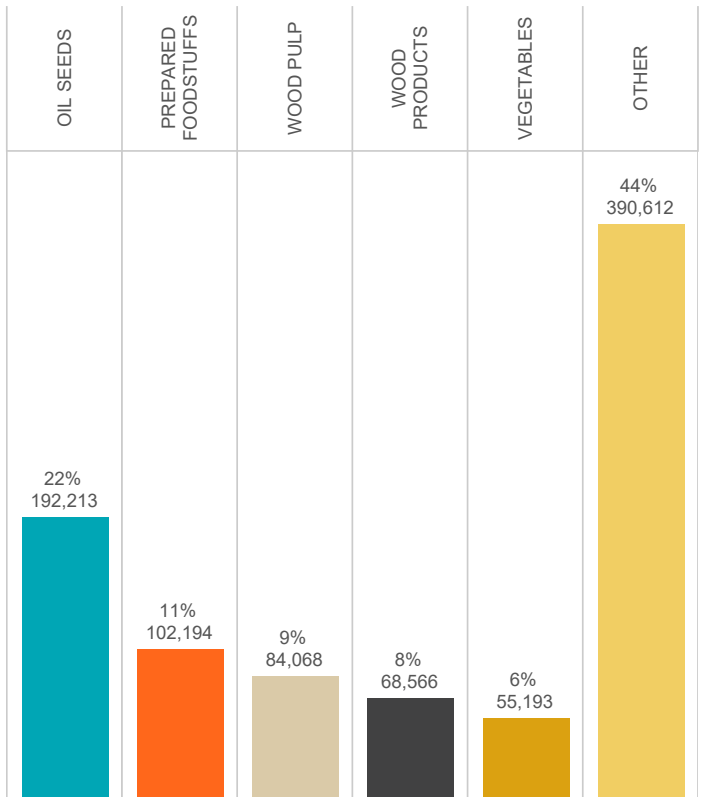
## 2017 Top 5 Import Commodities

Volumes in TEUs, % of Total



## 2017 Top 5 Export Commodities

Volumes in TEUs, % of Total



## NWSA Top 20 Import Commodities

(Container Volume, Foreign Full TEUs)

Grand Total	1,374,004
MACHINERY	206,837
FURNITURE	201,767
PLASTICS - RUBBER AND ARTICLES THEREOF	118,639
BASE METALS	111,863
TRANSPORT EQUIPMENT (VEHICLE)	104,580
TOYS	90,755
WOOD PRODUCTS	51,934
FOOTWEAR	45,947
TEXTILES	41,987
WEARING APPAREL	41,777
PAPERBOARD	25,962
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	24,620
GLASS AND GLASSWARE	20,706
PREPARED FOODSTUFFS	19,961
CERAMIC PRODUCTS	19,178
FRUITS	17,894
OPTIC, PHOTO ETC., MEDIC OR SURGICAL INSTRUMENTS ET..	15,293
WINE & SPIRITS	14,636
TOOLS	13,896
ORGANIC CHEMICALS	10,709
OTHER	175,062

## NWSA Top 20 Export Commodities

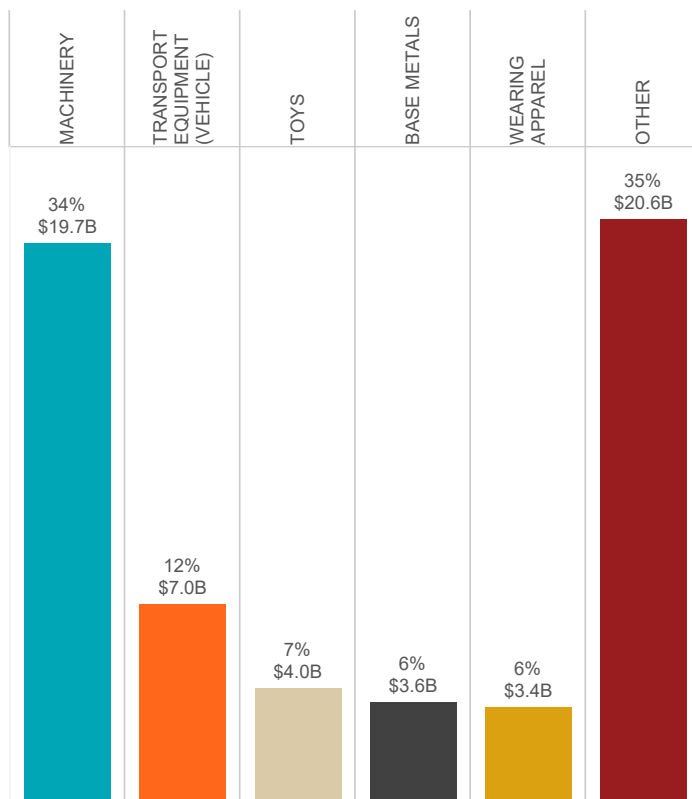
(Container Volume, Foreign Full TEUs)

Grand Total	892,846
OIL SEEDS	192,213
PREPARED FOODSTUFFS	102,194
WOOD PULP	84,068
WOOD PRODUCTS	68,566
VEGETABLES	55,193
PAPERBOARD	45,948
FRUITS	42,912
BASE METALS	33,301
PLASTICS - RUBBER AND ARTICLES THEREOF	27,087
MEAT	23,328
MACHINERY	23,160
SEAFOOD	18,031
DAIRY PRODUCTS	17,467
TEXTILES	14,721
MINERAL PRODUCTS	13,925
CEREALS	12,067
INORGANIC CHEMICALS	8,124
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	7,982
TOYS	7,004
TRANSPORT EQUIPMENT (VEHICLE)	6,616
OTHER	88,937

# Top NWSA Containerized Commodities by Value in US\$, source WISER

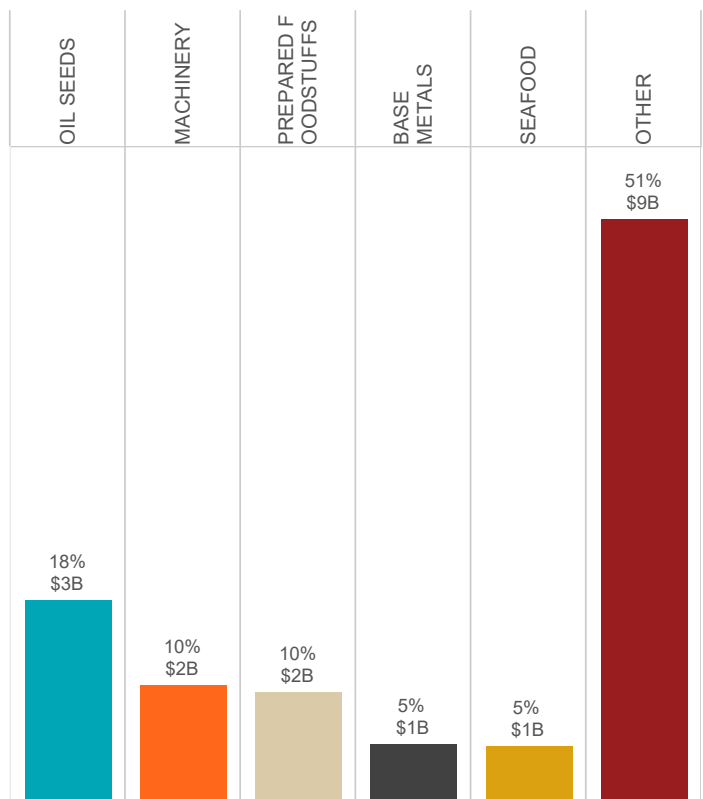
## 2017 Top 5 Import Commodities

US\$ Value and % of Total Value



## 2017 Top 5 Export Commodities

US\$ Value and % of Total Value



## NWSA Top 20 Import Commodities

(Vessel Value)

<b>Grand Total</b>	<b>\$58,318M</b>
MACHINERY	\$19,718M
TRANSPORT EQUIPMENT (VEHICLE)	\$7,041M
TOYS	\$4,049M
BASE METALS	\$3,553M
WEARING APPAREL	\$3,392M
FURNITURE	\$3,100M
PLASTICS - RUBBER AND ARTICLES THEREOF	\$2,755M
FOOTWEAR	\$1,836M
TRANSPORT EQUIPMENT (AIR)	\$1,457M
TEXTILES	\$1,350M
OPTIC, PHOTO ETC., MEDIC OR SURGICAL INSTRUMENTS	\$1,243M
MINERAL PRODUCTS	\$690M
ORGANIC CHEMICALS	\$617M
WOOD PRODUCTS	\$615M
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	\$545M
SEAFOOD	\$538M
TOOLS	\$460M
COFFEE, TEA, SPICES	\$435M
PREPARED FOODSTUFFS	\$424M
WINE & SPIRITS	\$369M
OTHER	\$4,132M

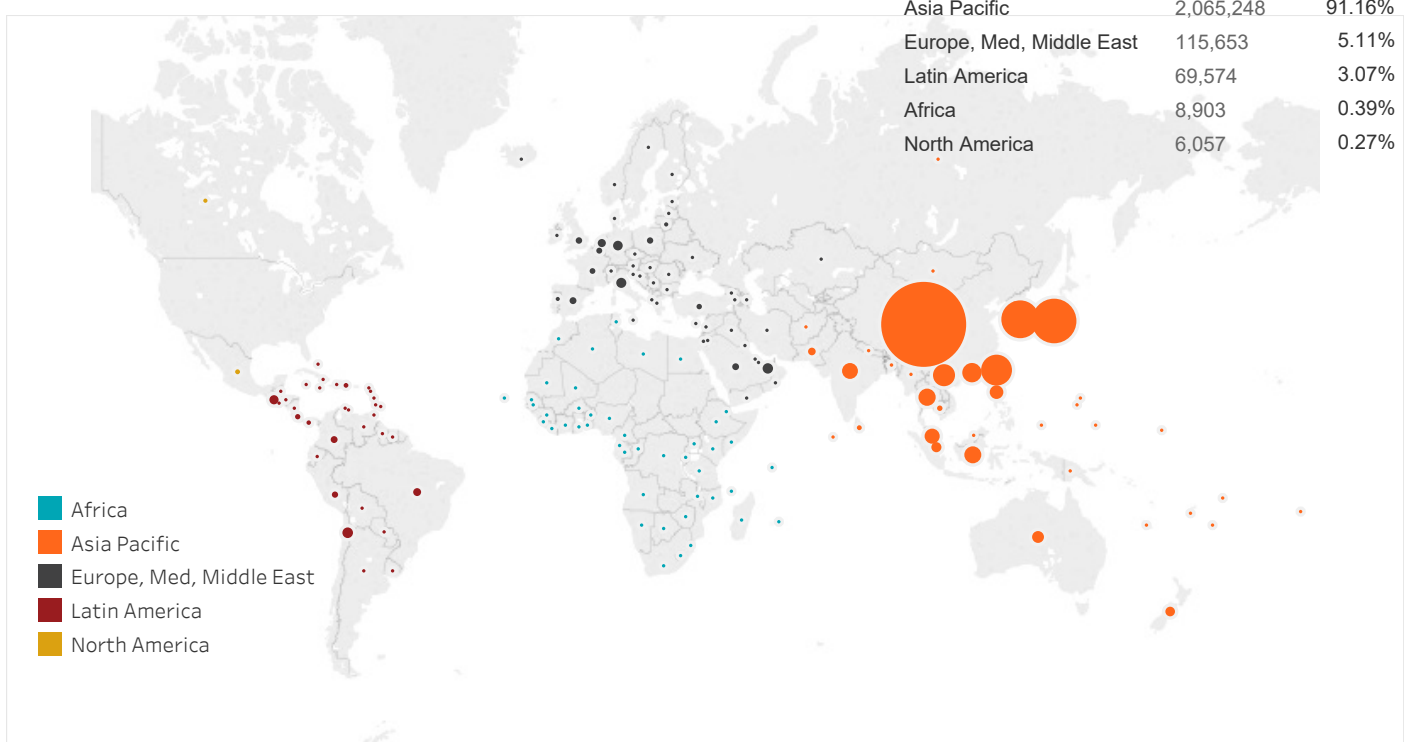
## NWSA Top 20 Export Commodities

(Vessel Value)

<b>Grand Total</b>	<b>\$16,960M</b>
OIL SEEDS	\$3,047M
MACHINERY	\$1,770M
PREPARED FOODSTUFFS	\$1,670M
BASE METALS	\$892M
SEAFOOD	\$852M
CEREALS	\$822M
MEAT	\$768M
FRUITS	\$686M
PAPERBOARD	\$642M
INORGANIC CHEMICALS	\$616M
VEGETABLES	\$601M
WOOD PRODUCTS	\$534M
DAIRY PRODUCTS	\$485M
MINERAL PRODUCTS	\$441M
WOOD PULP	\$416M
TRANSPORT EQUIPMENT (AIR)	\$291M
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	\$258M
PLASTICS - RUBBER AND ARTICLES THEREOF	\$239M
ART OF STONE, PLASTER, CEMENT, ASBESTOS, MICA ETC.	\$236M
TRANSPORT EQUIPMENT (VEHICLE)	\$216M
OTHER	\$1,479M

# 2017 NWSA Trading Partners by Volume

TEU, PIERs data



## NWSA Top 20 Origin Countries (Container Volume, Foreign Full TEUs)

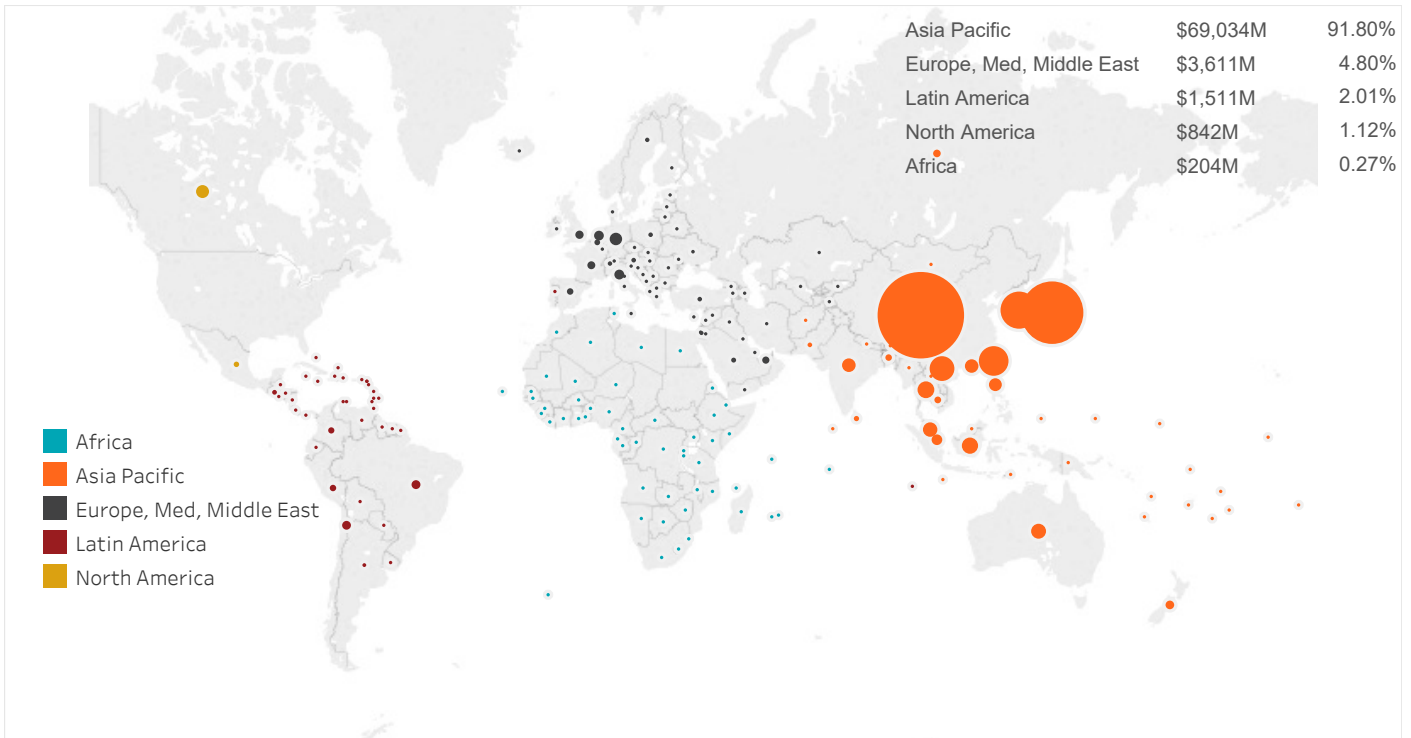
CHINA	832,890
JAPAN	110,306
TAIWAN	63,976
KOREA	61,884
VIETNAM	56,288
THAILAND	27,975
HONG KONG	23,463
INDONESIA	22,474
MALAYSIA	19,083
INDIA	16,258
ITALY	12,715
CHILE	11,026
GUATEMALA	10,575
GERMANY	9,487
NEW ZEALAND	9,473
PHILIPPINES	8,610
BRAZIL	5,714
POLAND	5,480
SINGAPORE	4,529
AUSTRALIA	3,488
OTHER	58,312
Grand Total	1,374,004

## NWSA Top 20 Destination Countries (Container Volume, Foreign Full TEUs)

CHINA	219,106
JAPAN	178,877
KOREA	145,660
TAIWAN	77,233
HONG KONG	32,047
INDIA	20,030
INDONESIA	19,188
PHILIPPINES	18,017
AUSTRALIA	16,963
THAILAND	15,051
VIETNAM	13,881
MALAYSIA	13,806
UNITED ARAB EMIRATES	13,171
SINGAPORE	10,195
PAKISTAN	7,254
NETHERLANDS	7,005
SAUDI ARABIA	6,462
CHILE	5,308
UNITED KINGDOM	4,866
COLOMBIA	4,450
OTHER	64,276
Grand Total	892,846

# 2017 NWSA Trading Partners by Value us\$

Source: WISER



## NWSA Top 20 Origin Countries (Vessel Value)

CHINA	\$27,138M
JAPAN	\$13,428M
KOREA	\$4,038M
TAIWAN	\$2,908M
VIETNAM	\$2,370M
THAILAND	\$989M
INDONESIA	\$883M
MALAYSIA	\$619M
AUSTRALIA	\$544M
CANADA	\$514M
INDIA	\$463M
GERMANY	\$384M
PHILIPPINES	\$376M
ITALY	\$307M
BRAZIL	\$249M
NEW ZEALAND	\$228M
RUSSIA	\$202M
CHILE	\$198M
CAMBODIA	\$180M
FRANCE	\$180M
ALL OTHER	\$2,118M
Grand Total	\$58,318M

## NWSA Top 20 Destination Countries (Vessel Value)

CHINA	\$4,840M
JAPAN	\$3,254M
KOREA	\$1,852M
TAIWAN	\$849M
HONG KONG	\$671M
AUSTRALIA	\$405M
SINGAPORE	\$396M
PHILIPPINES	\$327M
INDIA	\$325M
NETHERLANDS	\$306M
GERMANY	\$279M
MALAYSIA	\$267M
VIETNAM	\$251M
INDONESIA	\$240M
THAILAND	\$211M
CANADA	\$203M
UNITED KINGDOM	\$202M
CHILE	\$133M
UNITED ARAB EMIRATES	\$131M
SPAIN	\$110M
ALL OTHER	\$1,709M
Grand Total	\$16,960M





## China Facts

Capital: Beijing  
 Population: 1,379,302,771 (July 2017 est.)  
 Pop Growth Rate: 0.41% (2017 est.)  
 GDP Growth Rate: 6.8% (2017 est.)  
 GDP Per Capita: \$16,600 (2017 est.)

Fact Data Source: CIA Factbook  
 TEU Volume Data Source: PIERS  
 Vessel Value Data Source: WISER

### NWSA Imports from China (Container Volume, Foreign Full TEUs)

FURNITURE	154,207
MACHINERY	121,980
TOYS	75,972
BASE METALS	70,797
PLASTICS - RUBBER AND ARTICLES THEREOF	66,656
FOOTWEAR	38,045
TRANSPORT EQUIPMENT (VEHICLE)	31,448
TEXTILES	28,707
WOOD PRODUCTS	27,543
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	21,257
OTHER	196,278
Grand Total	832,890

### NWSA Exports to China (Container Volume, Foreign Full TEUs)

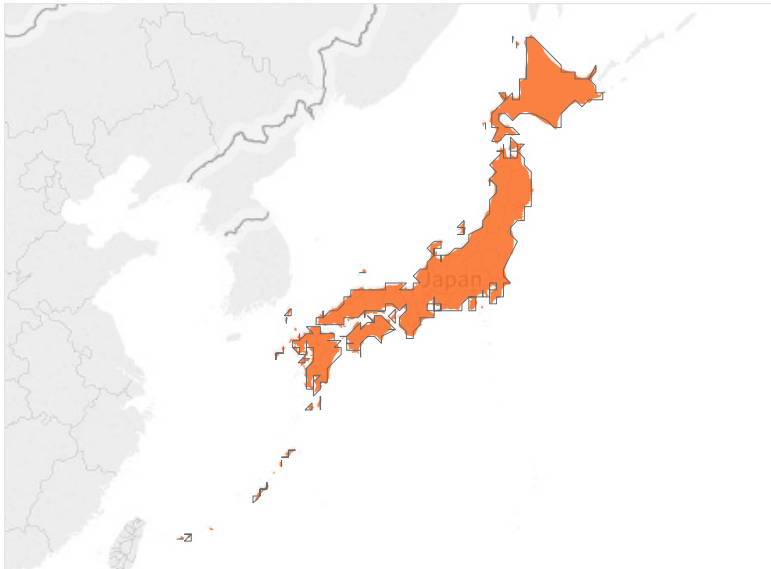
WOOD PULP	56,943
WOOD PRODUCTS	37,840
OIL SEEDS	29,702
BASE METALS	12,631
PAPERBOARD	9,502
VEGETABLES	7,787
PREPARED FOODSTUFFS	6,913
TEXTILES	6,378
SEAFOOD	5,506
PLASTICS - RUBBER AND ARTICLES THEREOF	4,702
OTHER	41,201
Grand Total	219,106

### NWSA Imports from China (Vessel Value)

MACHINERY	\$8,538M
TOYS	\$3,747M
FURNITURE	\$2,365M
BASE METALS	\$1,777M
WEARING APPAREL	\$1,585M
FOOTWEAR	\$1,523M
PLASTICS - RUBBER AND ARTICLES THEREOF	\$1,269M
TEXTILES	\$962M
TRANSPORT EQUIPMENT (VEHICLE)	\$697M
OPTIC, PHOTO ETC., MEDIC OR SURGICAL INSTRUMENTS	\$513M
OTHER	\$4,162M
Grand Total	\$27,138M

### NWSA Exports to China (Vessel Value)

OIL SEEDS	\$2,095M
MACHINERY	\$367M
BASE METALS	\$307M
WOOD PULP	\$262M
WOOD PRODUCTS	\$254M
SEAFOOD	\$235M
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	\$169M
PREPARED FOODSTUFFS	\$165M
MINERAL PRODUCTS	\$161M
INORGANIC CHEMICALS	\$102M
OTHER	\$724M
Grand Total	\$4,840M



## Japan Facts

Capital: Tokyo  
 Population: 126,451,398 (July 2017 est.)  
 Pop Growth Rate: -0.21% (2017 est.)  
 GDP Growth Rate: 1.5% (2017 est.)  
 GDP Per Capita: \$42,700 (2017 est.)

Fact Data Source: CIA Factbook  
 TEU Volume Data Source: PIERS  
 Vessel Value Data Source: WISER

### NWSA Imports from Japan (Container Volume, Foreign Full TEUs)

TRANSPORT EQUIPMENT (VEHICLE)	49,263
MACHINERY	27,593
PLASTICS - RUBBER AND ARTICLES THEREOF	9,912
BASE METALS	4,040
TRANSPORT EQUIPMENT (AIR)	3,737
OPTIC, PHOTO ETC., MEDIC OR SURGICAL INSTRUMENTS ETC.	1,826
INORGANIC CHEMICALS	1,265
ORGANIC CHEMICALS	1,162
GLASS AND GLASSWARE	1,032
OTHER PRODUCE	1,002
OTHER	9,473
Grand Total	110,306

### NWSA Exports to Japan (Container Volume, Foreign Full TEUs)

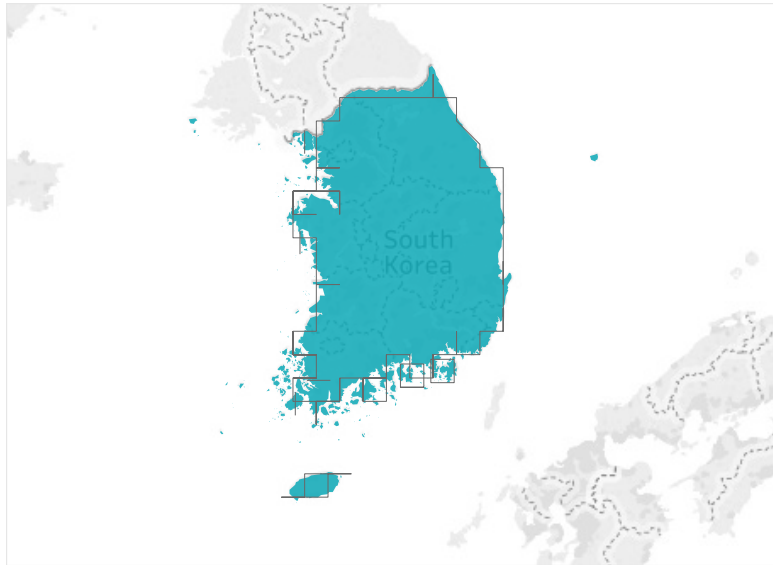
OIL SEEDS	67,507
PREPARED FOODSTUFFS	27,504
VEGETABLES	13,236
PAPERBOARD	10,389
WOOD PRODUCTS	9,467
PLASTICS - RUBBER AND ARTICLES THEREOF	6,753
MEAT	6,369
WINE & SPIRITS	3,484
MACHINERY	3,112
BASE METALS	2,960
OTHER	28,095
Grand Total	178,877

### NWSA Imports from Japan (Vessel Value)

TOOLS	\$4,412M
MACHINERY	\$3,915M
BASE METALS	\$2,686M
TRANSPORT EQUIPMENT (AIR)	\$474M
TRANSPORT EQUIPMENT (RAIL)	\$421M
PRECIOUS STONES AND METALS	\$301M
MISCELLANEOUS CHEMICAL PRODUCTS	\$226M
PLASTICS - RUBBER AND ARTICLES THEREOF	\$214M
MUSICAL INSTRUMENTS	\$88M
INORGANIC CHEMICALS	\$87M
OTHER	\$605M
Grand Total	\$13,428M

### NWSA Exports to Japan (Vessel Value)

PREPARED FOODSTUFFS	\$509M
OIL SEEDS	\$351M
CEREALS	\$298M
MEAT	\$226M
PAPERBOARD	\$214M
SEAFOOD	\$187M
MACHINERY	\$172M
INORGANIC CHEMICALS	\$171M
TRANSPORT EQUIPMENT (AIR)	\$139M
BASE METALS	\$131M
OTHER	\$855M
Grand Total	\$3,254M



### South Korea Facts

Capital: Seoul  
 Population: 51,181,299 (July 2017 est.)  
 Pop Growth Rate: 0.48% (2017 est.)  
 GDP Growth Rate: 3% (2017 est.)  
 GDP Per Capita: \$39,400 (2017 est.)

Fact Data Source: CIA Factbook  
 TEU Volume Data Source: PIERS  
 Vessel Value Data Source: WISER

#### NWSA Imports from South Korea (Container Volume, Foreign Full TEUs)

MACHINERY	16,037
PLASTICS - RUBBER AND ARTICLES THEREOF	12,398
TRANSPORT EQUIPMENT (VEHICLE)	7,962
BASE METALS	4,955
TEXTILES	2,188
TRANSPORT EQUIPMENT (AIR)	1,947
PAPERBOARD	1,722
FURNITURE	1,317
INORGANIC CHEMICALS	1,292
SEAFOOD	1,145
OTHER	10,920
Grand Total	61,884

#### NWSA Exports to South Korea (Container Volume, Foreign Full TEUs)

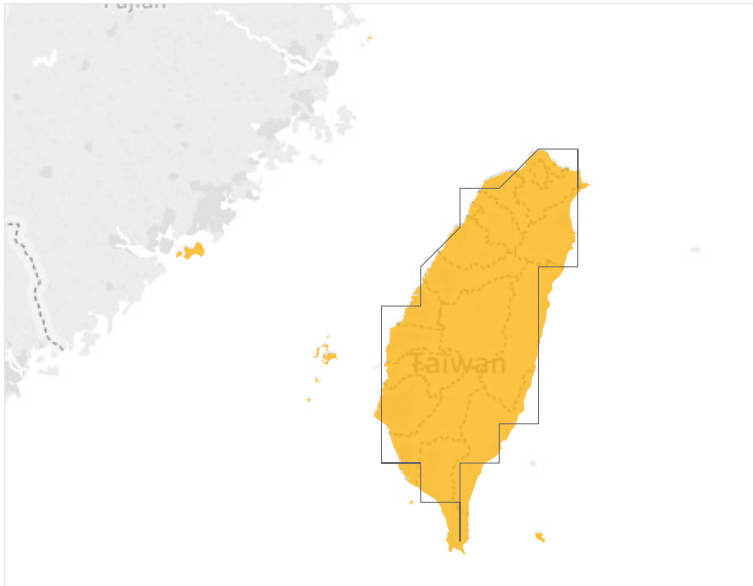
OIL SEEDS	65,131
PREPARED FOODSTUFFS	19,262
WOOD PULP	9,017
WOOD PRODUCTS	6,850
PLASTICS - RUBBER AND ARTICLES THEREOF	4,990
PAPERBOARD	4,770
BASE METALS	4,327
MEAT	4,108
VEGETABLES	3,209
INORGANIC CHEMICALS	2,014
OTHER	21,982
Grand Total	145,660

#### NWSA Imports from South Korea (Vessel Value)

TRANSPORT EQUIPMENT (VEHICLE)	\$1,756M
MACHINERY	\$1,065M
PLASTICS - RUBBER AND ARTICLES THEREOF	\$339M
TRANSPORT EQUIPMENT (AIR)	\$269M
BASE METALS	\$161M
ORGANIC CHEMICALS	\$46M
TEXTILES	\$43M
PAPERBOARD	\$41M
SPECIAL CLASSIFICATION PROVISIONS (NESOI)	\$33M
OTHER	\$233M
INSTRUMENTS, ETC.	\$52M
Grand Total	\$4,038M

#### NWSA Exports to South Korea (Vessel Value)

OIL SEEDS	\$300M
CEREALS	\$289M
PREPARED FOODSTUFFS	\$182M
MACHINERY	\$141M
BASE METALS	\$124M
MEAT	\$123M
PAPERBOARD	\$91M
DAIRY PRODUCTS	\$71M
INORGANIC CHEMICALS	\$66M
WOOD PULP	\$59M
OTHER	\$405M
Grand Total	\$1,852M



## Taiwan Facts

Capital: Taipei  
 Population: 23,508,428 (July 2017 est.)  
 Pop Growth Rate: 0.17% (2017 est.)  
 GDP Growth Rate: 2% (2017 est.)  
 GDP Per Capita: \$49,800 (2017 est.)

Fact Data Source: CIA Factbook  
 TEU Volume Data Source: PIERs  
 Vessel Value Data Source: WISER

### NWSA Imports from Taiwan (Container Volume, Foreign Full TEUs)

BASE METALS	11,925
PLASTICS - RUBBER AND ARTICLES THEREOF	10,667
TRANSPORT EQUIPMENT (VEHICLE)	9,881
MACHINERY	9,601
FURNITURE	3,304
TOYS	3,303
PAPERBOARD	1,538
TOOLS	1,501
TEXTILES	858
MISC. MANUFACTURED ARTICLES	816
OTHER	10,581
Grand Total	63,976

### NWSA Exports to Taiwan (Container Volume, Foreign Full TEUs)

OIL SEEDS	14,447
PREPARED FOODSTUFFS	10,205
CEREALS	7,393
FRUITS	6,993
VEGETABLES	5,628
WOOD PRODUCTS	4,823
BASE METALS	4,584
PAPERBOARD	4,517
WOOD PULP	3,417
DAIRY PRODUCTS	2,114
OTHER	13,111
Grand Total	77,233

### NWSA Imports from Taiwan (Vessel Value)

MACHINERY	\$1,227M
BASE METALS	\$443M
PLASTICS - RUBBER AND ARTICLES THEREOF	\$327M
TRANSPORT EQUIPMENT (VEHICLE)	\$288M
TOYS	\$122M
FURNITURE	\$89M
TOOLS	\$82M
OPTIC, PHOTO ETC., MEDIC OR SURGICAL INSTRUMENTS ETC.	\$58M
TEXTILES	\$37M
PRECIOUS STONES AND METALS	\$27M
OTHER	\$209M
Grand Total	\$2,908M

### NWSA Exports to Taiwan (Vessel Value)

CEREALS	\$156M
INORGANIC CHEMICALS	\$120M
PREPARED FOODSTUFFS	\$93M
FRUITS	\$91M
OIL SEEDS	\$83M
PAPERBOARD	\$46M
MEAT	\$40M
MACHINERY	\$38M
VEGETABLES	\$30M
PRECIOUS STONES AND METALS	\$16M
OTHER	\$136M
Grand Total	\$849M



### Vietnam Facts

Capital: Hanoi  
 Population: 96,160,163 (July 2017 est.)  
 Pop Growth Rate: 0.93% (2017 est.)  
 GDP Growth Rate: 6.3% (2017 est.)  
 GDP Per Capita: \$6,900 (2017 est.)

Fact Data Source: CIA Factbook  
 TEU Volume Data Source: PIERS  
 Vessel Value Data Source: WISER

### NWSA Imports from Vietnam (Container Volume, Foreign Full TEUs)

FURNITURE	14,403
WEARING APPAREL	10,504
MACHINERY	6,622
FOOTWEAR	4,133
TOYS	3,869
PLASTICS - RUBBER AND ARTICLES THEREOF	3,683
BASE METALS	2,296
TRANSPORT EQUIPMENT (VEHICLE)	1,673
TEXTILES	1,420
CERAMIC PRODUCTS	745
OTHER	6,939
Grand Total	56,288

### NWSA Exports to Vietnam (Container Volume, Foreign Full TEUs)

FRUITS	3,066
WOOD PULP	2,398
WOOD PRODUCTS	1,223
PLASTICS - RUBBER AND ARTICLES THEREOF	1,203
PREPARED FOODSTUFFS	799
PAPERBOARD	482
MACHINERY	439
DAIRY PRODUCTS	408
CEREALS	405
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	342
OTHER	3,118
Grand Total	13,881

### NWSA Imports from Vietnam (Vessel Value)

WEARING APPAREL	\$977M
MACHINERY	\$446M
FOOTWEAR	\$185M
FURNITURE	\$160M
TRANSPORT EQUIPMENT (AIR)	\$118M
TOYS	\$88M
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	\$54M
PLASTICS - RUBBER AND ARTICLES THEREOF	\$53M
TRANSPORT EQUIPMENT (VEHICLE)	\$47M
BASE METALS	\$35M
OTHER	\$206M
Grand Total	\$2,370M

### NWSA Exports to Vietnam (Vessel Value)

FRUITS	\$90M
MACHINERY	\$20M
PREPARED FOODSTUFFS	\$20M
DAIRY PRODUCTS	\$18M
WOOD PULP	\$12M
SEAFOOD	\$11M
BASE METALS	\$11M
WOOD PRODUCTS	\$11M
MEAT	\$10M
CEREALS	\$7M
OTHER	\$43M
Grand Total	\$251M

# THE NORTHWEST SEAPORT ALLIANCE

## WORKING TO KEEP YOUR CARGO MOVING



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THE NORTHWEST  
SEAPORT ALLIANCE

#### THE NORTHWEST SEAPORT ALLIANCE

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*The Northwest Seaport Alliance is a marine-cargo operating partnership of the Port of Tacoma and the Port of Seattle*