

Global freight and Texas gulf freight Outlook and Analysis

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Global freight outlook and Texas gulf freight Analysis

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- Part 1: Shipping background and introduction
- Part 2: Global freight market
- Part 3: Texas Gulf freight market
- Part 4: Application



- Vessel description: Panamax vessel
- Baltic Panamax vessel for Timecharter routes is a non-scrubber fitted vessel based on the following description:
- 82,500mt dwt on 14.43m SSW draft
- Max age 12 yrs
- LOA 229m, beam 32.25m, TPC 70.5
- 97,000 cbm grain
- 13.5 knots laden on 33mt fuel oil (380cs t) / 14 knots ballast on 31mt fuel oil (380cs t) + 0.1 MGO at sea
- 11.5 knots laden on 22mt fuel oil (380cs t) / 12.5 knots ballast on 23mt fuel oil (380cs t) + 0.1 MGO at sea



- Vessel description: Supramax
- 58,328mt dwt on 12.80 m ssw
- Max age 15 yrs
- LOA 189.99m, beam 32.26m, TPC 57.5
- 72,360 cbm grain / 70,557 cbm bale
- 5 holds/hatches
- 4 x 30t Cr + 12 cbm grabs
- 14 knots laden on 33mt fuel oil (380cst) / 14 knots ballast on 32mt fuel oil (380cst), no diesel at sea
- 12 knots laden on 24mt fuel oil (380cst) / 12.5 knots ballast on 23mt fuel oil (380cst), no diesel at sea



- Panamax Route
- Timecharter Weightings: P1A_82 25%, P2A_82 10%, P3A_82 25%, P4_82 10%, P6_82 30%

Baltic Panamax Index

Route	Description	Size
P1A_82	Skaw-Gib transatlantic round voyage	82,500mt
P2A_82	Skaw-Gib trip HK-S Korea incl Taiwan	82,500mt
P3A_82	HK-S Korea incl Taiwan 1 Pacific round voyage	82,500mt
P4_82	HK-S Korea incl Taiwan trip to Skaw-Gib	82,500mt
P6_82	Dely Spore round voyage via Atlantic	82,500mt



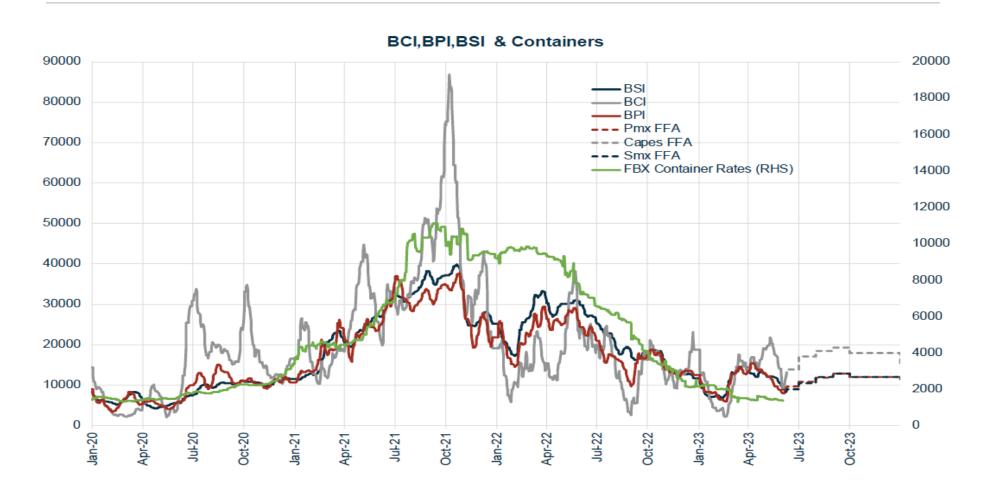
- Supra Route
- S1B_58 5%, S1C_58 5%, S2_58 20%, S3_58 15%, S4A_58 7.5%, S4B_58 10%, S5_58 5%, S8_58 15%, S9_58 7.5%, S10_58 10%

Baltic Supramax Index

Route	Description	Size (MT)
S1B_58	Canakkale trip via Med or Bl Sea to China-South Korea	58,328 mt
S1C_58	US Gulf trip to China-south Japan	58,328 mt
S2_58	North China one Australian or Pacific round voyage	58,328 mt
S3_58	North China trip to West Africa	58,328 mt
S4A_58	US Gulf trip to Skaw-Passero	58,328 mt
S4B_58	Skaw-Passero trip to US Gulf	58,328 mt
S5_58	West Africa trip via east coast South America to north China	58,328 mt
S8_58	South China trip via Indonesia to east coast India	58,328 mt
S9_58	West Africa trip via east coast South America to Skaw-Passero	58,328 mt
S10_58	South China trip via Indonesia to south China	58,328 mt



Part2 Global freight market





PMX 2023 Key drivers





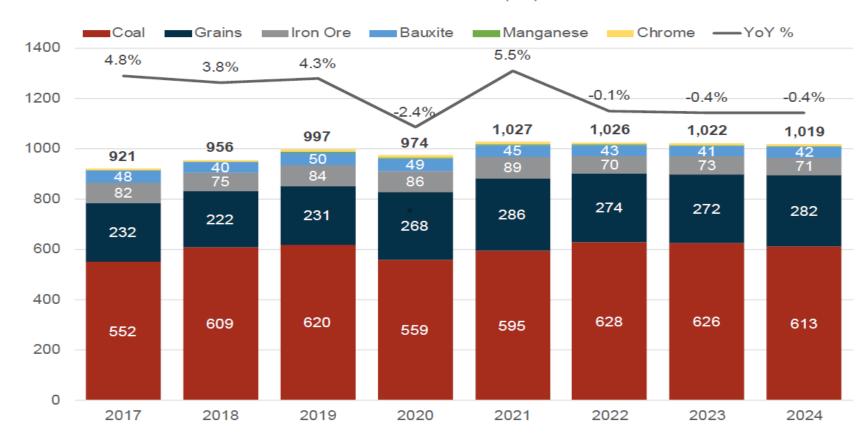
Pmx coal-Drop in coal volume to feast&EU

Key Coal Imports* on PMX 2022 : +33.0Mt By Exporting Region, Mt, 2021-2024F, 2022-23F YoY Change 2023F: -2.0Mt Australia Russia US + Canada SAF+MOZ YoY Change in Total PMX Coal Columbia To China To India To JKT To Other Asia* To Europe 2022 : +0.3Mt 2022 : +6.5Mt 2022 : +0.1Mt 2022 : +19.1Mt 2022 : +9.4Mt 2023F: -4.7Mt 2023F: -6.6Mt 2023F: +8.1Mt 2023F: +10.0Mt 2023F: -15.0Mt 2023F 2023F 2023F 2023F 2023F



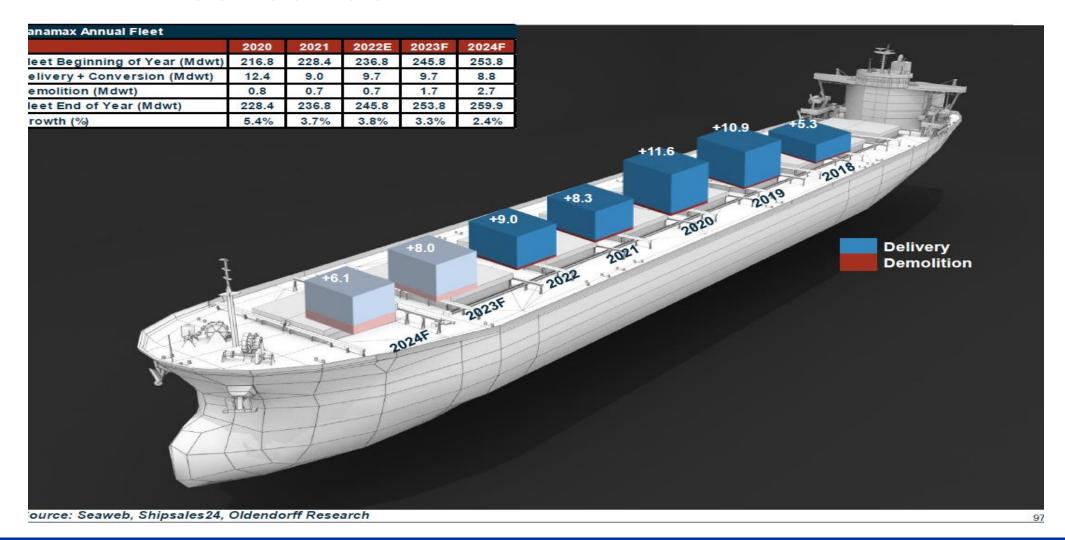
Pmx annual volume







Pmx fleet outlook





Part3 Texas Freight market

- 1. Major port introduction
- 2. Analysis on Texas Gulf freight



Major port introduction

TERMINAL NAME	OF PILOT- AGE	BERTH DEPTH	AIR-DRAFT LIMIT	NUMBER OF SPOUTS / STORAGE CAPACITY	MAX SPOUT REACH		APPX LOA LIMIT	DOCKAGE CHARGE	FACILITY CHARGE	ELEV. O/T CHARGE PER HOUR	CHANNEL AIRDRAFT	SECURITY CHARGE	LINESMEN SERVICE
ADM GRAIN CO. GALVESTON, TEXAS	1.5 HRS FROM PILOT STATION	44'00" BW Depth Channel Drafi is 44'00" BW with plus tide Berth Water Density about 1.012 to 1.020	COAMING	2 BUHLER 2,600,000 BUSHELS	About 85'	About 118'	900'	0.60 GRT DAY BULK CARRIER VESSELS 0.70 GRT DAY TANKER, TWEEN AND CONTAINER CARRIER VESSELS	HSS .27 PER LT FOR STBC, .47 PER LT TWEENDECK, OTHER. MEAL/PELLT FOR STBC, .50 PER LT TWEENDECK, OTHER.	\$1200/HR MON-SAT \$1300/HR SUN, MH, HOLIDAYS INCL FGIS SUPERVISIO N	NONE	\$0.054 per Short Ton Loaded WATER \$5.53 per 1000 cu.ft. Hookup \$225 ST & \$350 OT. Must be	UNION BOATMEN GALVESTON
ADM GRAIN CO. CORPUS CHRISTI, TEXAS	4.0 HRS FROM PILOT STATION	45'00" BRACKISH Channel Deep Draft is 45'00" Berth Water Density about 1.018 to 1.022	WL TO TOP OF HATCH COMMING	6 GRAVITY SPOUTS 3 Super Spouts and 3 Regular 2 Spouts used concurrently Super Spouts Center and Fwd on berth 5,600,000 BUSHELS	110'	130'	900'	0.60 GRT DAY BULK CARRIER VESSELS 0.70 GRT DAY TANKER, TWEEN AND CONTAINER CARRIER VESSELS	HSS .27 PER LT FOR STBC, .47 PER LT TWEENDECK, OTHER. MEAL/PELLT FOR STBC, .50 PER LT TWEENDECK, OTHER.	1200/HR MON-SAT, 1300/HR SUN, MH, HOLIDAYS INCL FGIS SUPERVISIO N	138' HARBOR BRIDGE	10% of Wharfage + \$500 per day (Wharfage USD 0.35 per net ton) WATER \$3.00 PER S/T MIN USD 500	BEST BET OR COASTAL BEND
CARGILL ELEVATOR CHANNELVIEW, TEXAS (HOUSTON)	4.5 HRS FROM PILOT STATION	Berth 1 39'06"" BW Berth 2 42'06" BW Channel Deep Draft is 45'00" BW Berth Water Density about 1.000 to 1.005	45'00" WL TO TOP OF HATCH COMMING	6 GRAVITY SPOUTS ON EACH BERTH (DOCK #1 & 2) - CAP 6,000,000 BUSHELS	120'	120'	800'	\$3.80 FOR THE DURATION OF THE LOADING DOCKAGE OF ALL OTHER VESSELS NOT LISTED AS SELF TRIMMING BULK CARRIERS IN LLOYD'S REGISTER OF SHIPPING OR RIGHTSHIP WILL BE ASSESSED AT A RATE OF \$4.30 PER GROSS REGISTERED METRIC TON FOR	BC .20/LT TNKR .40/LT TW .40 L/T TRIM TW – .15/LT	OVERTIME PERIODS, MONDAY THROUGH FRIDAY, SHALL BE AT THE RATE OF \$1,250.00 PER PLANT HOUR. SATURDAY OVERTIME SHALL BE AT THE RATE OF \$1,250.00 PER PLANT	175' JEESE JONES BRIDGE *IF LAYBERTH AT HCD, THEN 135'	USD 2000 FLAT FEE PER VSL WATER FRESH WATER PORTABLE WATER WILL BE SUPPLIED	CARGILL LINESMEN : \$1300 PER ATTENDANCE (\$2600 moor & unmoor)



The most competitive vessel type

- Why Supramax 58k is cheaper than Pmx 82k
- Broker 1 saying:
- For this route in particular. Pmax & Smax Q4 rates are about the same.
 Pmax have more expenses (bunkers and ports costs) hence favors
 Smax in terms of freight rates. Particularly where draft restrictions apply
 (Panama canal and Machong for ex) since the benfit of higher intake is washed out.



The most competitive vessel type

- Broker 2 saying
- With regards to Panamax v Supramax pricings, its a tricky question but FYG:

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• We are seeing a very similar level of Atlantic supply across the two dry bulk segments. With exceptionally long tonnage lists for both, providing competition between the two.

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• More importantly, the stem sizes from USG appear to be predominately 60,000/10 this year, compared to more varied stems in previous years meaning they are attracting interest from both ship sizes.

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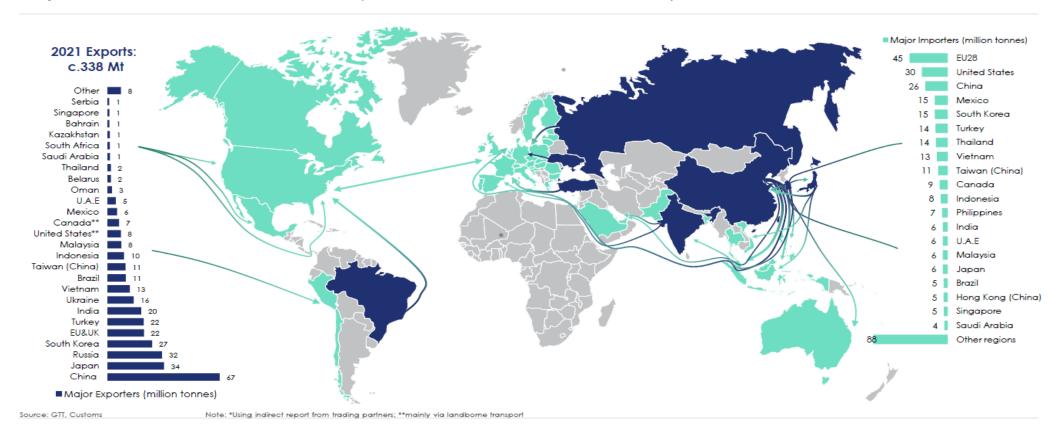
• Both sizes have also seen a significant downturn in available cargoes in the last few months alone. For example, the Panamax market has seen a drop in coal chartering activity, while Supramax minor bulk cargoes have also fallen.



Reason 1: Cargo flow for steel

Steel Trade Flow

Major steel trade based on 2021 data (Finished Steel & Semi-finished Steel)

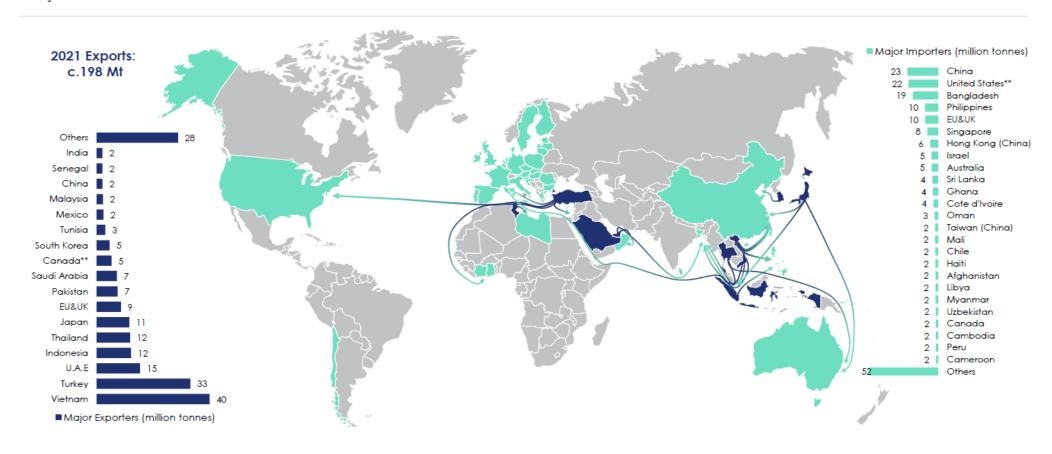




Reason 1: Cargo flow for Cement

Cement & Clinker Trade Flow

Major cement & clinker trade based on 2021 data

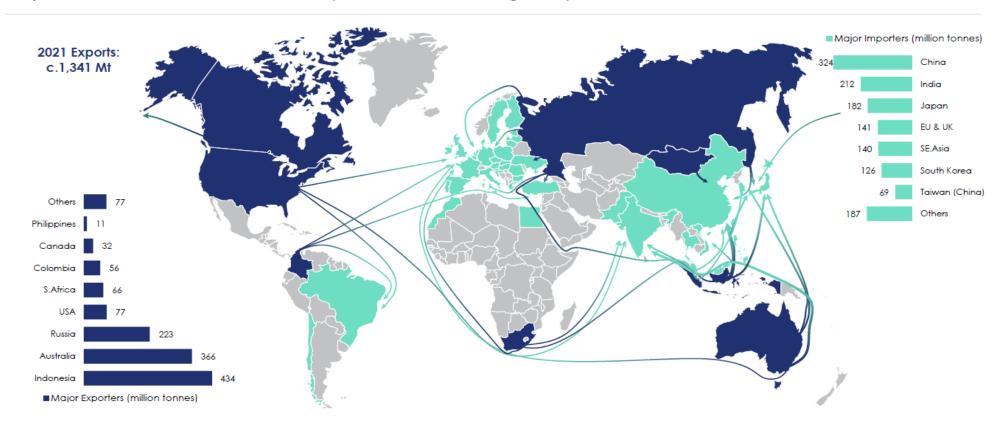




Reason 1: Cargo flow for Coal

Coal Trade Flow

Major coal trade based on 2021 data (Steam Coal & Coking Coal)





Reason 2: PDA cost

	CARGILL HOUSTON
Pilotage	\$18,000.00
2nd Pilot (extreme LOA)	\$0.00
Tugs (Lay Berth)	\$16,000.00
Tugs (Load Berth)	\$16,000.00
Linesmen	\$3,500.00
Dockage	\$174,150.00
Layberth Security	\$657.39
Layberth (1 day for hold insp and bunkers)	\$7,513.03
Warping Linesmen	\$0.00
Harbor Fee	\$766.00
Gangway Fee	\$3,200.00
Customs Fee	\$1,310.00
Tonnage Tax	\$1,560.00
USDA/NCB *	\$5,000.00
Bunkering Wharfage	\$300.00
Security Cargo	\$0.00
Security Vessel	\$0.00
Agency Fee (5 days)	\$5,450.00
Agency Expenses	\$3,625.00
ADM Secuirty Fee	\$0.00
Harbor Security Fee	\$0.00
Barging of Empty Bags	\$0.00
Trimming Expenses	\$0.00
Harbor Master Fee/Maintence Fee	\$0.00
Port/Terminal Security Fees	\$2,000.00
Flipping in Berth (2 spout load)	\$0.00
Terminal Fee Hansen Mueller	\$0.00
Total Estimated Expenses	\$259,031.42
Dockage Contengency	\$24,000.00
(Dockage Contengency Must be remitted to Elevato	
Total Funds due prior arrival	\$283,031.42



Reason 3: Draft and cargo loaded

- Cargill Houston berth2 with 42 feet
- 62,000 mt cargo loaded for Pmx



Application

- 1.Panama canal or Suez canal (13-15 days)
- 2. Disc port Combination (What if we need S.China+Nangtong option)







Thank you!

