



Full Committee Meeting
27 January, 2022

STATE OF THE WATERWAY - 2021



U. S. PORT RANKINGS 2020

(by total tonnage)

(Millions of Short Tons – 2020 ACOE data)



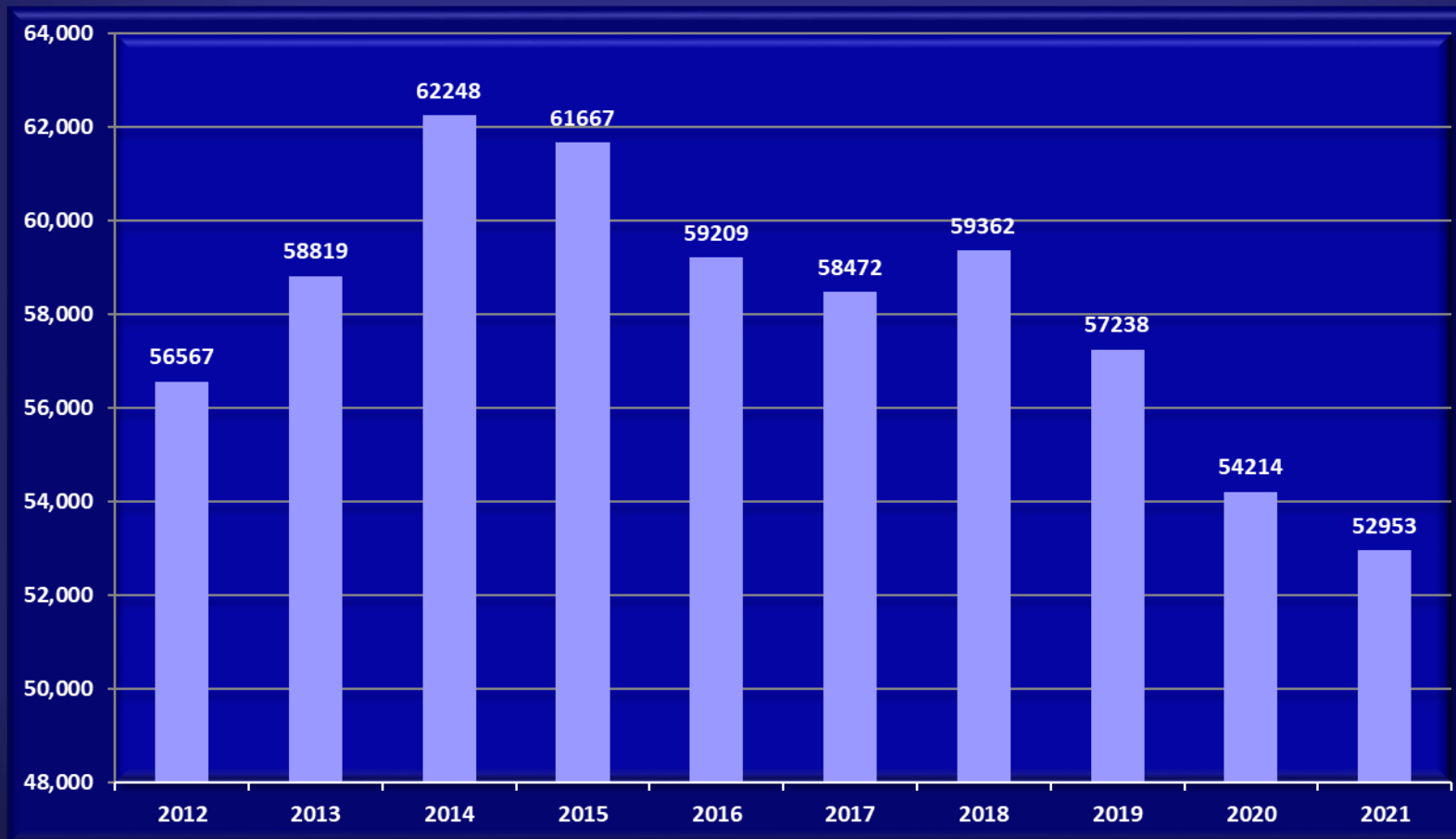
	Port	Tons	% Diff		Port	Tons	% Diff
1	Houston, TX	275.9	-3.2	20	Texas City, TX	33.7	-18.4
2	Port of S. Louisiana, LA	225.1	-5.4	21	St Louis, MO/IL	30.5	6.0
3	Corpus Christi, TX	150.8	35.5	22	Huntington– Tristate	29.7	-19.3
4	New York, NY and NJ	123.7	-9.4	23	Philadelphia Regional Port	28.5	-17.8
5	New Orleans, LA	81.1	-12.1	24	Tampa, FL	28.5	-5.0
6	Long Beach, CA	79.2	-1.5	25	Valdez, AK	25.1	-0.3
7	Baton Rouge, LA	71.7	- 2.3	26	Duluth/Superior, MN/WI	25.1	-25.7
8	Beaumont, TX	70.6	-24.3	27	Charleston, SC	24.9	1.4
9	Los Angeles, CA	59.5	-5.6	28	Indian (Northern District)	24.7	***
10	Port of Virginia	58.0	-5.9	29	Jackson County Port, MS	23.1	-10.6
11	Mobile, AL	53.2	-6.5	30	Seattle, WA	23.0	-0.2
12	Plaquemines, LA	46.8	-11.4	31	Tacoma, WA	21.6	0.4
13	Savannah, GA	43.5	3.6	32	Richmond, CA	21.1	-26.1
14	Lake Charles, LA	43.1	-25.8	33	Portland, OR	20.7	7.0
15	Port Arthur, TX	41.2	2.7	34	Port Everglades, FL	20.4	-14.8
16	Freeport, TX	38.7	29.8	35	South Jersey Port District	20.3	-16.5
17	Mid-Ohio Valley Port	35.9	-22.5	36	Oakland, CA	19.4	0.5
18	Baltimore, MD	35.2	-20.4	37	Port of Kalama, WA	18.1	6.6
19	Cincinnati-Northern, KY	34.5	-5.7	38	Jacksonville, FL	16.7	-5.8
				73	Sabine Pass Port Authority	5.5	117.8
				86	Orange, TX	4.1	-14.9

VTS Total Transits – 2021

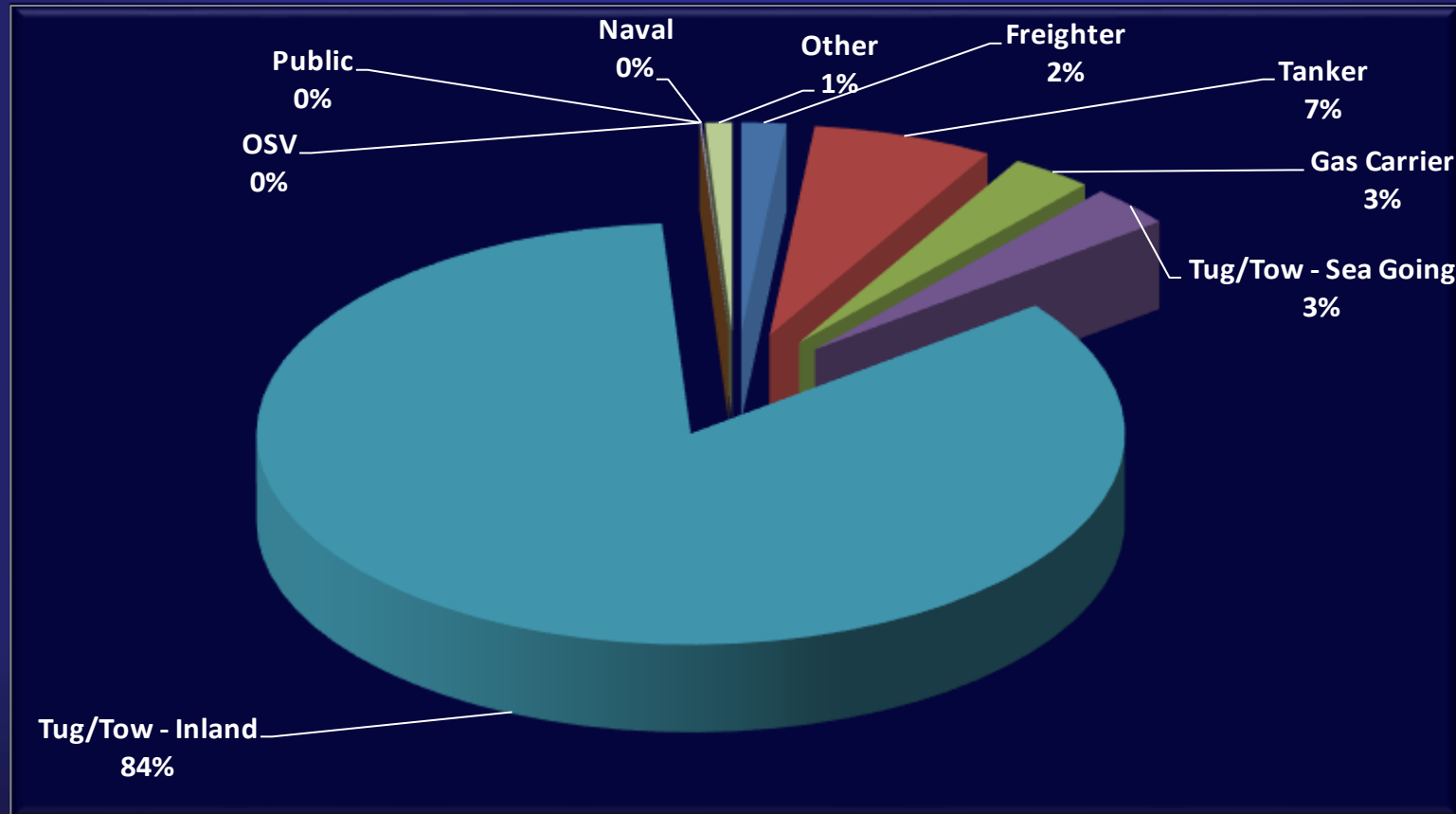


	<u>2020</u>	<u>2021</u>	<u>%Change</u>
Tug / Tow	48,396	46,325	- 4.3 %
Tanker	3,389	3,561	+ 5.0 %
Freighter	1,039	884	- 14.9 %
Gas	953	1,622	+ 70.2 %
Other	437	561	+ 28.4 %
Total	54,214	52,593	- 2.9 %

Total Transits 2012 – 2021



TRANSIT SUMMARY by Percentage – 2021





2021 TYPICAL DAY IN THE VTSA

	2020	2021	
TANKER TRANSITS	9.2	9.8	+ 6.5 %
FREIGHTER TRANSITS	2.8	2.4	- 14.3 %
GAS CARRIER TRANSITS	2.6	4.4	+ 69.2 %
TUG (Sea-Going)	5.3	4.6	- 13.2 %
TOW TRANSITS	127.2	122.4	- 3.8 %
OSV / OTHER TRANSITS	1.1	1.5	+ 36.4 %

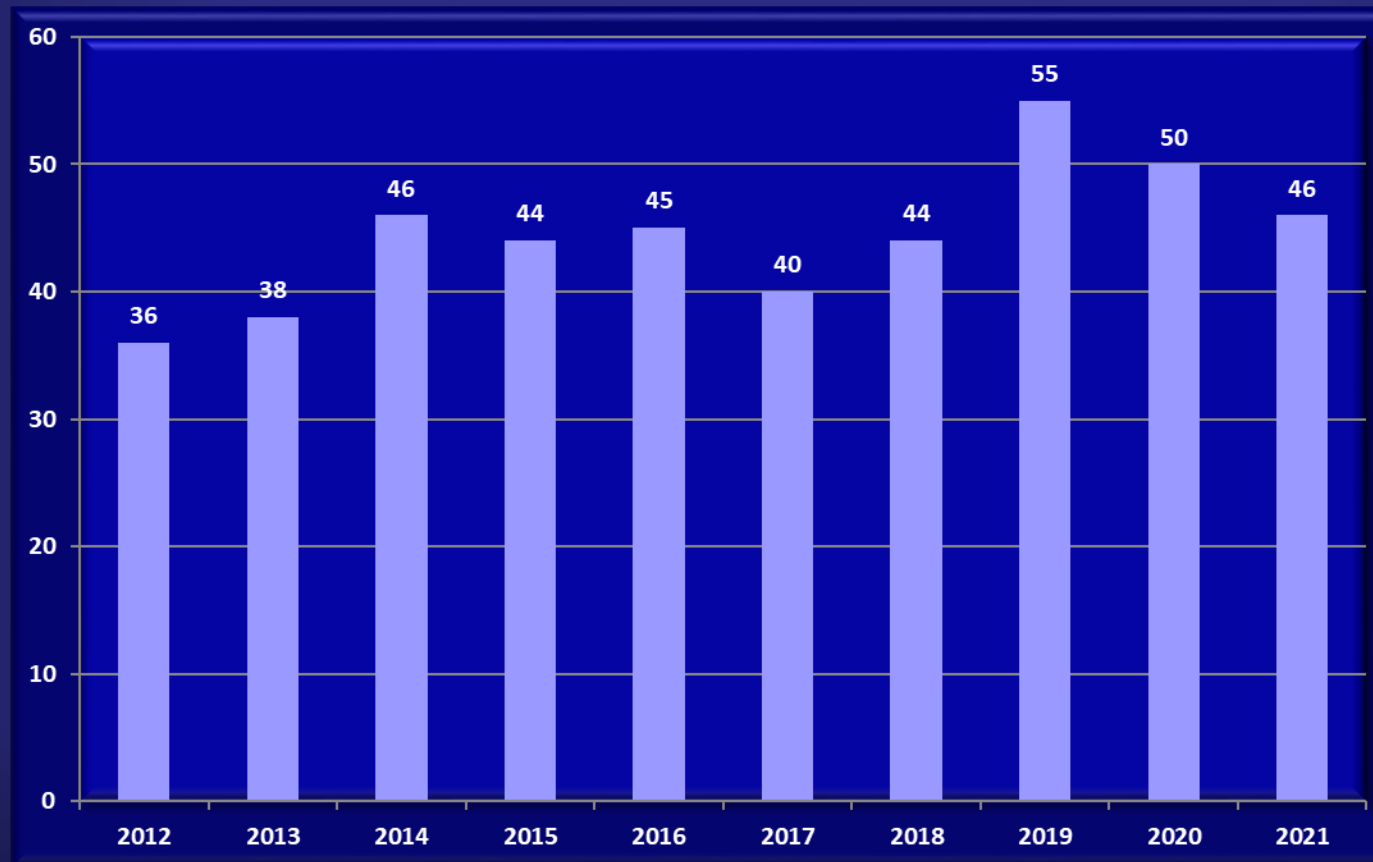
INCIDENTS BY TYPE – 2021



	<u>2020</u>	<u>2021</u>
COLLISIONS	6	3
• Inland / Inland	2	1
• Ship / Inland	3	2
• Ship / Ship	0	0
ALLISIONS	11	9
• Reported ATON Knockdowns	5	3
• Bridge allisions (air draft)	1	1
• While maneuvering close	5	5
GROUNDINGS	7	3
• 2 Inland / 1 OSV		3
MECHANICAL FAILURE *	15	20
MISCELLANEOUS	11	11
• Wake Damage	0	3
• Breakaway (1 barge, 1 F/Vs)	2	2
• Near Miss	5	5
• Fire	0	1
• Other	4	0
	50	46

<u>Incidents by Vessel Type</u>	
26	Ships
17	Inland Tows
6	Tugs
5	F/V
4	Misc. (e.g. Barges)
58	

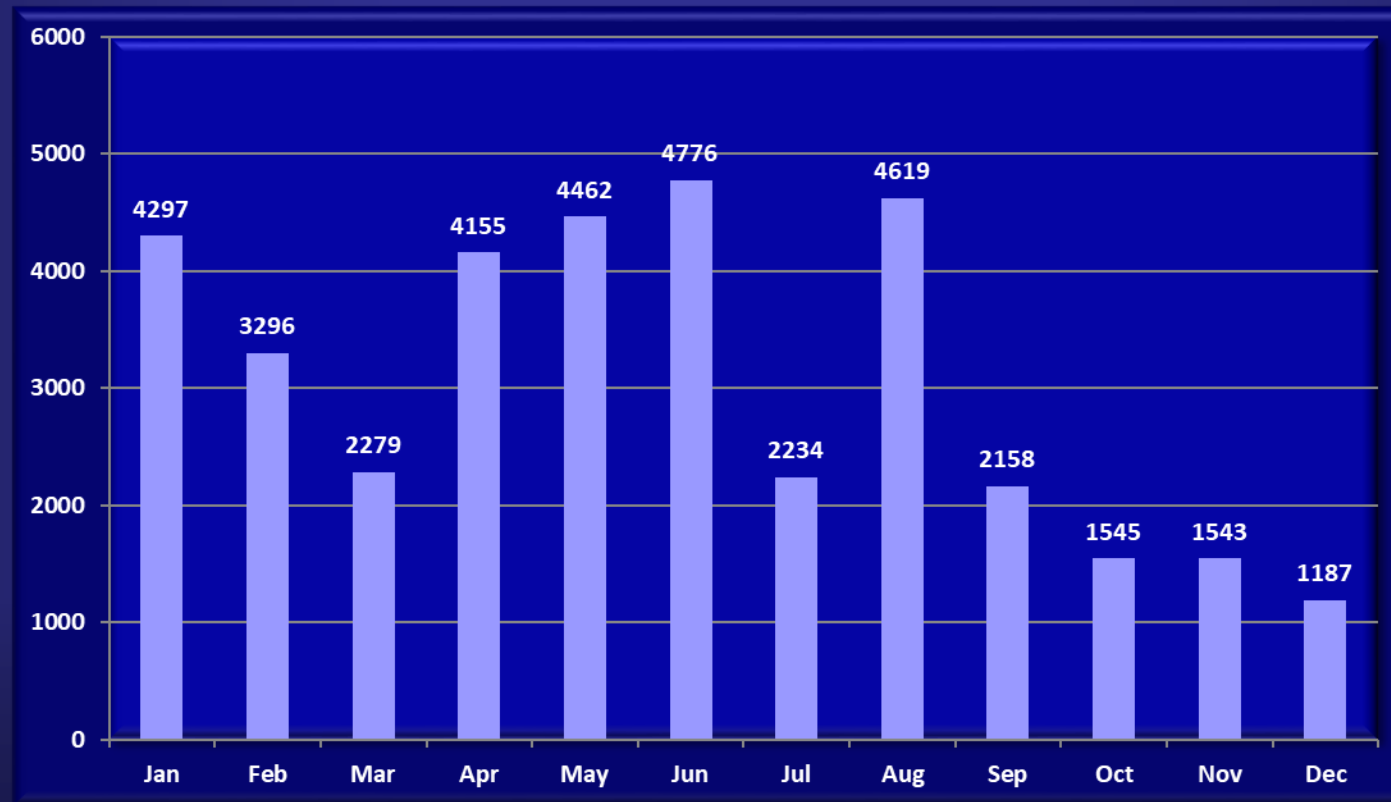
Total Incidents 2012-2021



Transits per Navigation Incident by Month 2021

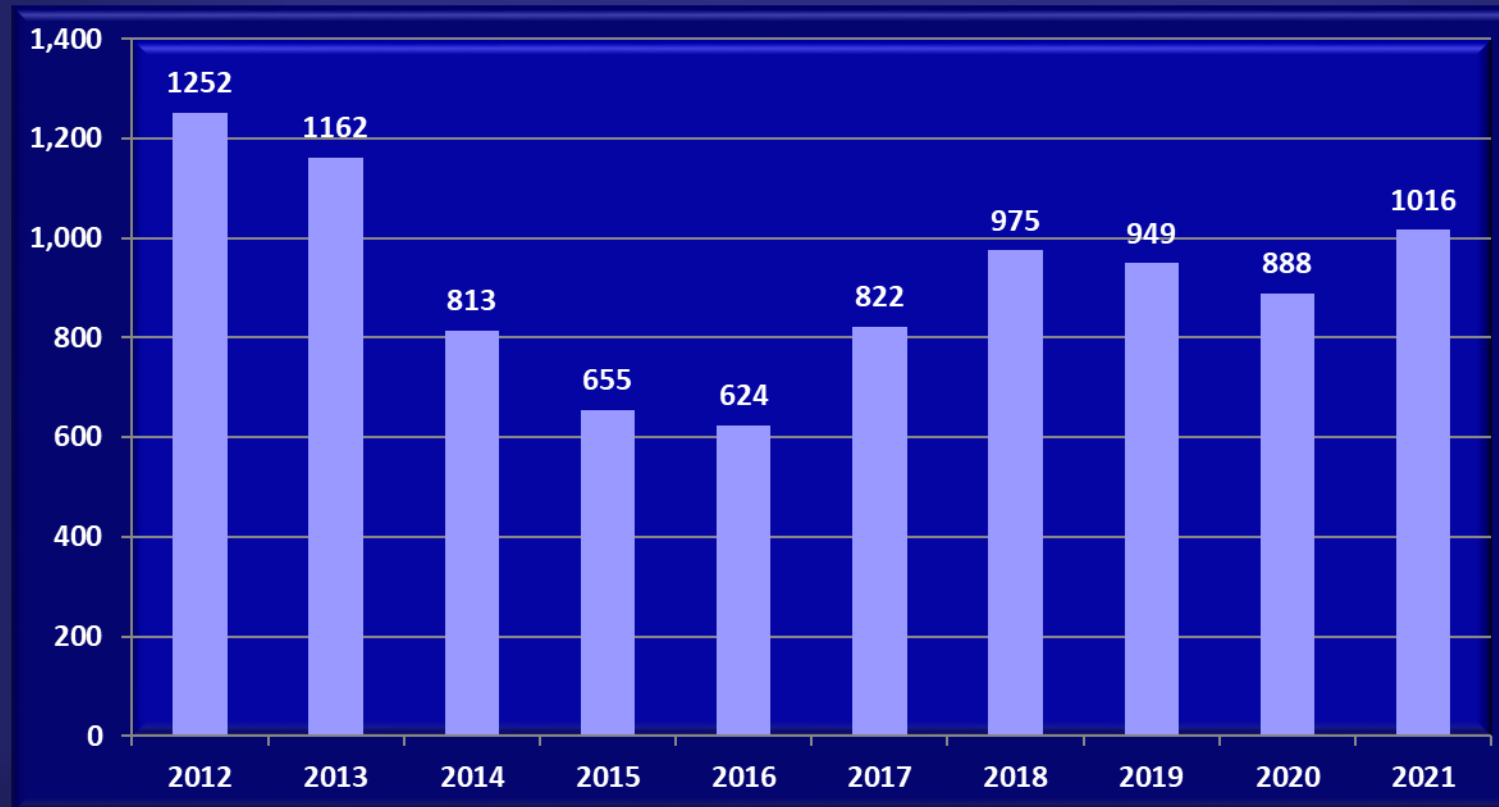


(Allisions, Collisions, Groundings and Wake Damages only)



Ship Transits per Incident 2012-2021

(Allisions, Collisions, Groundings and Wake Damages only)



Tow Transits per Incident 2012-2021

(Allisions, Collisions, Groundings and Wake Damages only)

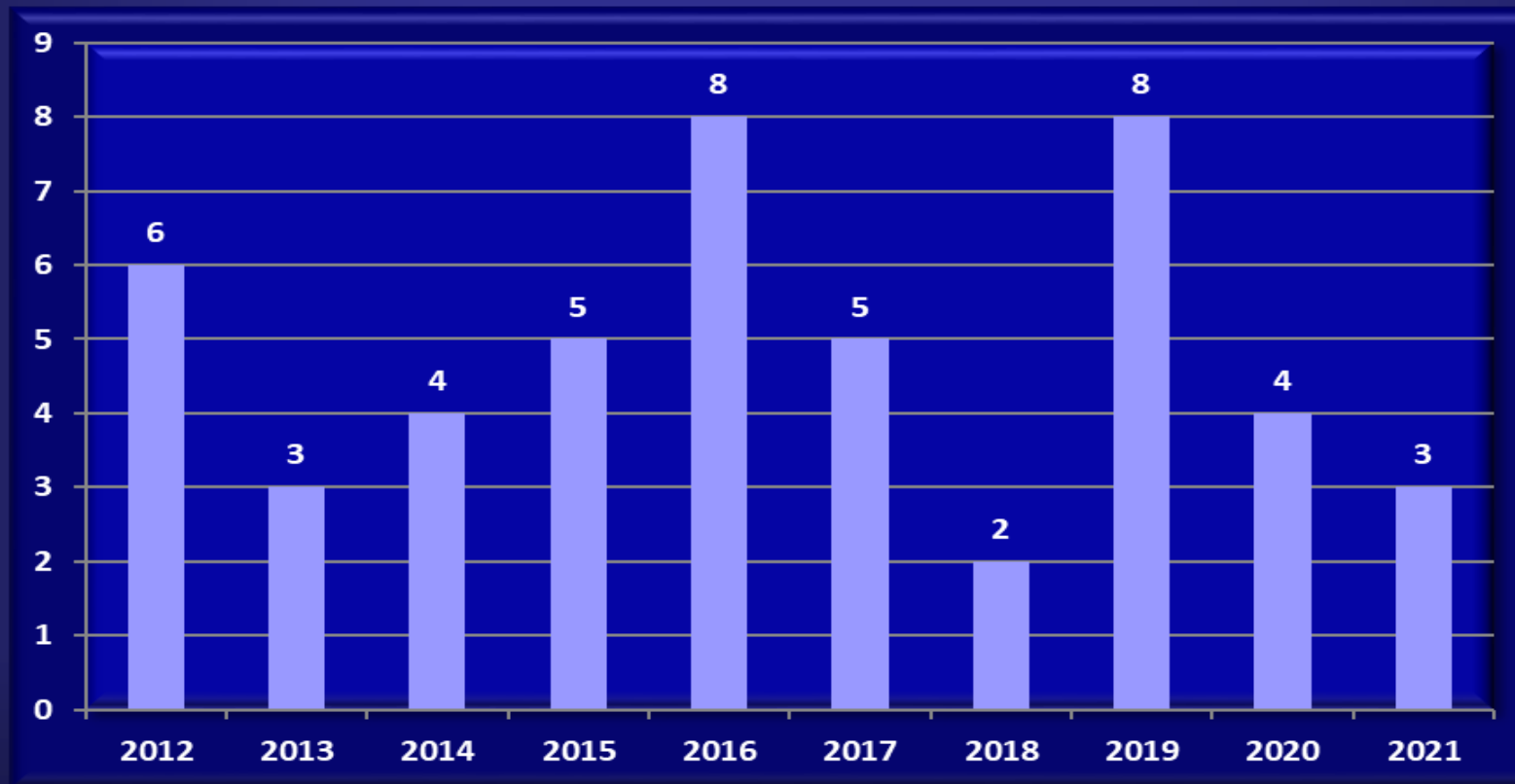


COLLISIONS



2021: 3 Total Collisions

- 2 Tows
- 1 Ship





 **Tows**
 **Ships**

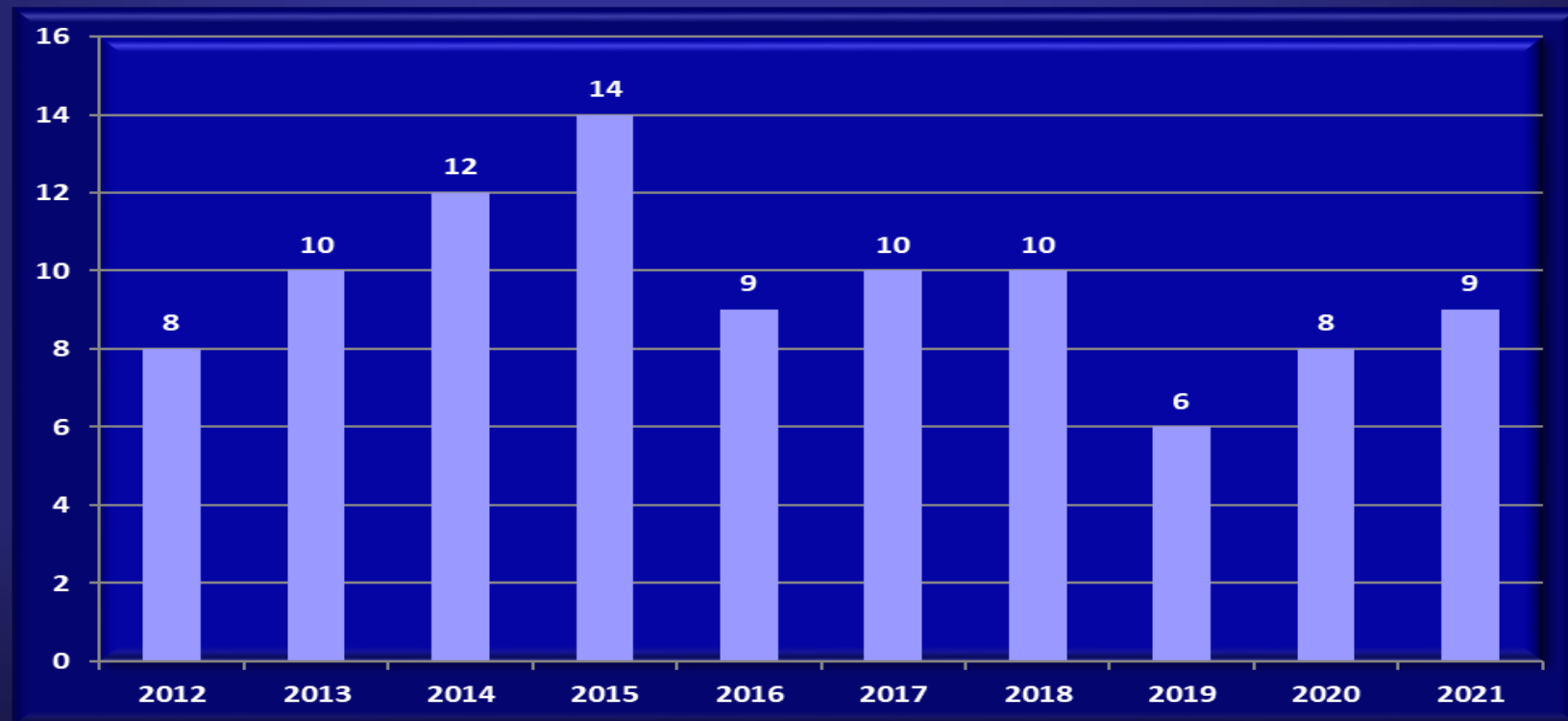
Collisions 2021

ALLISIONS



2021: 9 Total Allisions

- **6 Tows / Tugs**
- **2 Ships**
- **1 Dredge**





★ Tows
★ Ships

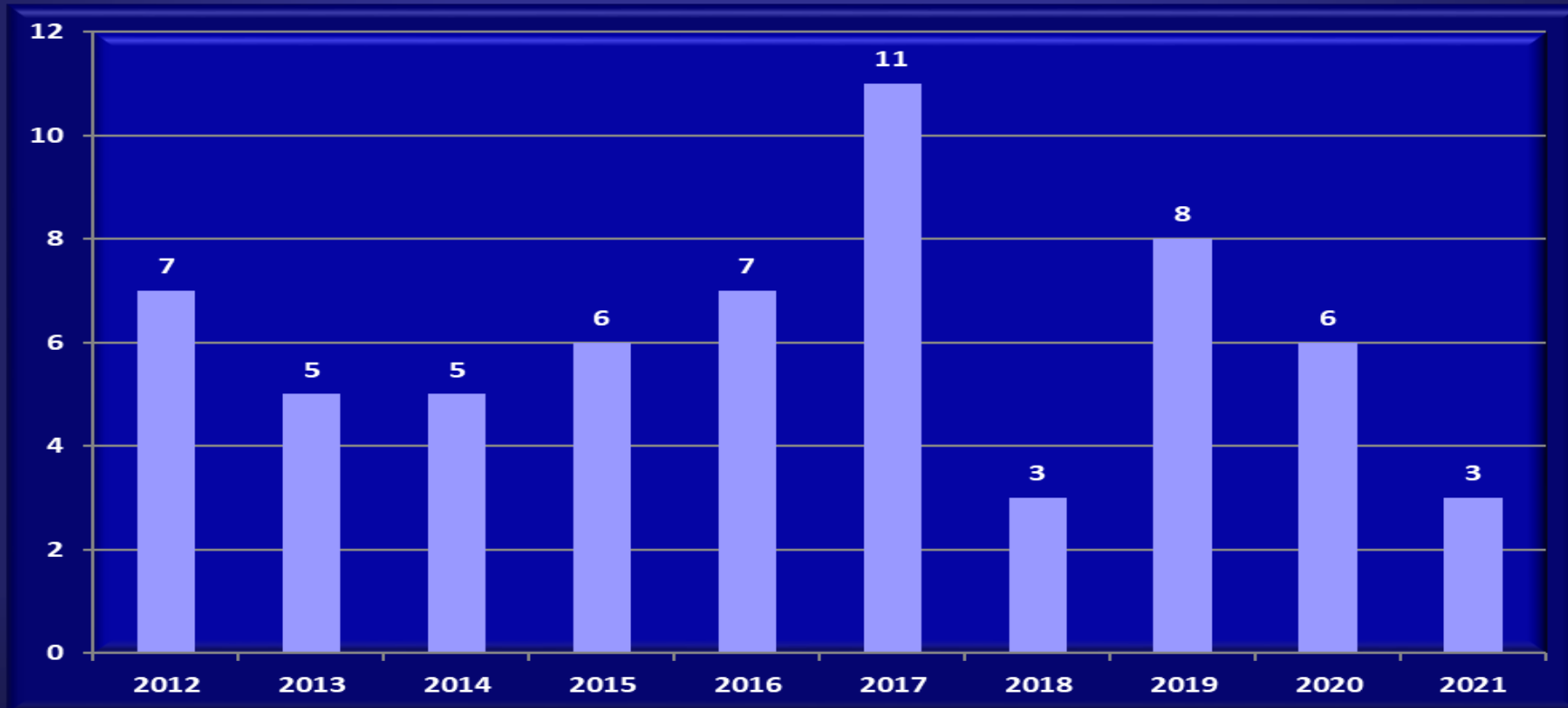
Allisions 2021★

GROUNDINGS



2021: 3 Total Groundings

- **2 Tows**
- **1 OSV**



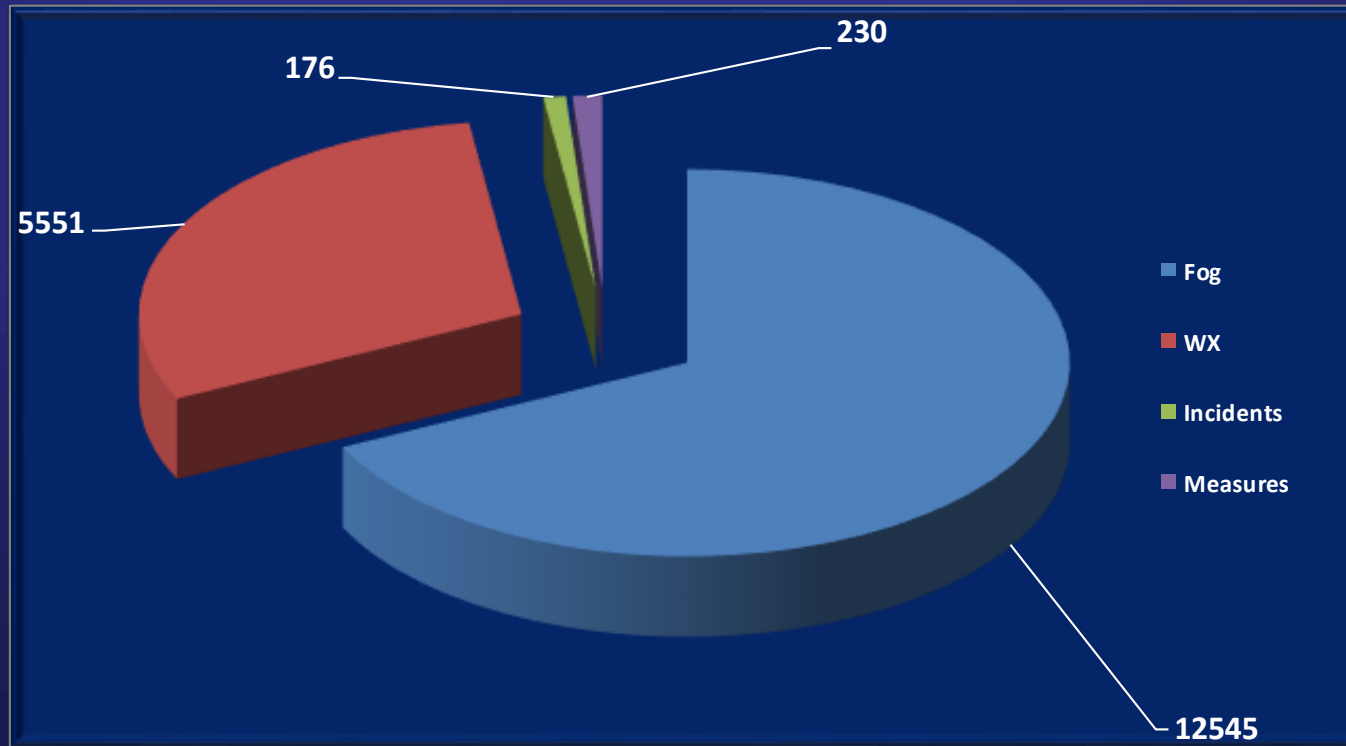


★ Tows
★ OSV

Groundings 2021



2021 Sabine-Neches Delays (in vessel hours)



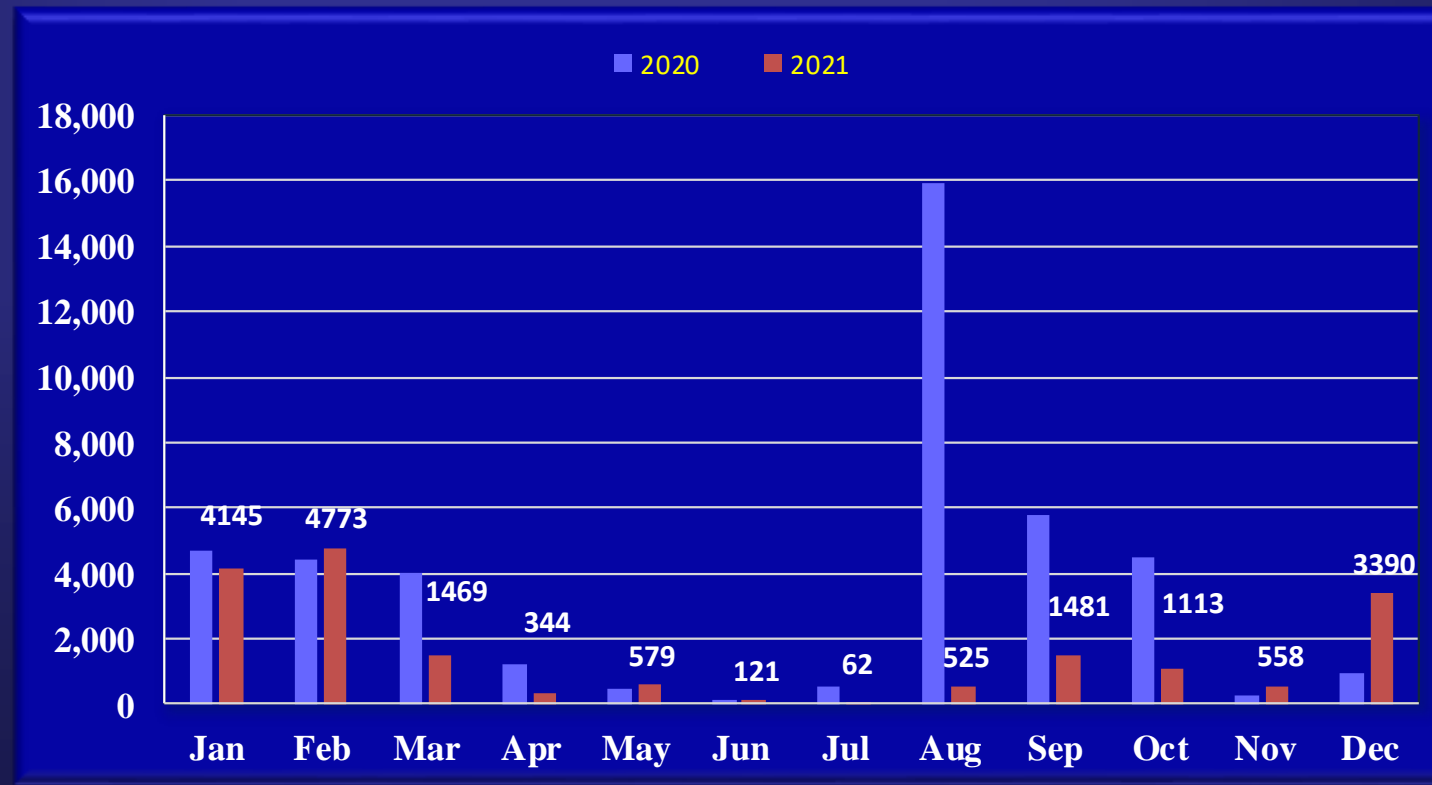
Fog Days

All: 81

Ships Only: 51

2021

Total Vessel Delays by Month (in vessel hours)



Average Delay Ships: 24.9

Inland: 40.5

2021 INCIDENTS OF NOTE



- 4 Breakaways/Wake Damage:

- 3 Wake Damage (+4 Wake Complaints)
- 2 Breakaway incidents

- 3 ATON Knockdowns (Reported)

- Increase in Equipment Failures

- 5 Near Miss Situations:

- 4 F/V (All vicinity jetties) - 1 F/V cited by TPWD.

- 3 Collisions:

- 2 involving deep draft ships and inland towing vessels.

2021 CHALLENGES



- **Planning for Deepening Project.**
 - **Planned increases in ship traffic including LHG transits.**
 - **Dredging in multiple location.**
 - **ATON – relocation, establishment.**
 - **Pipeline removal operations.**