

# Western Rivers Waterways Analysis

Thursday, October 18, 2018

# 462

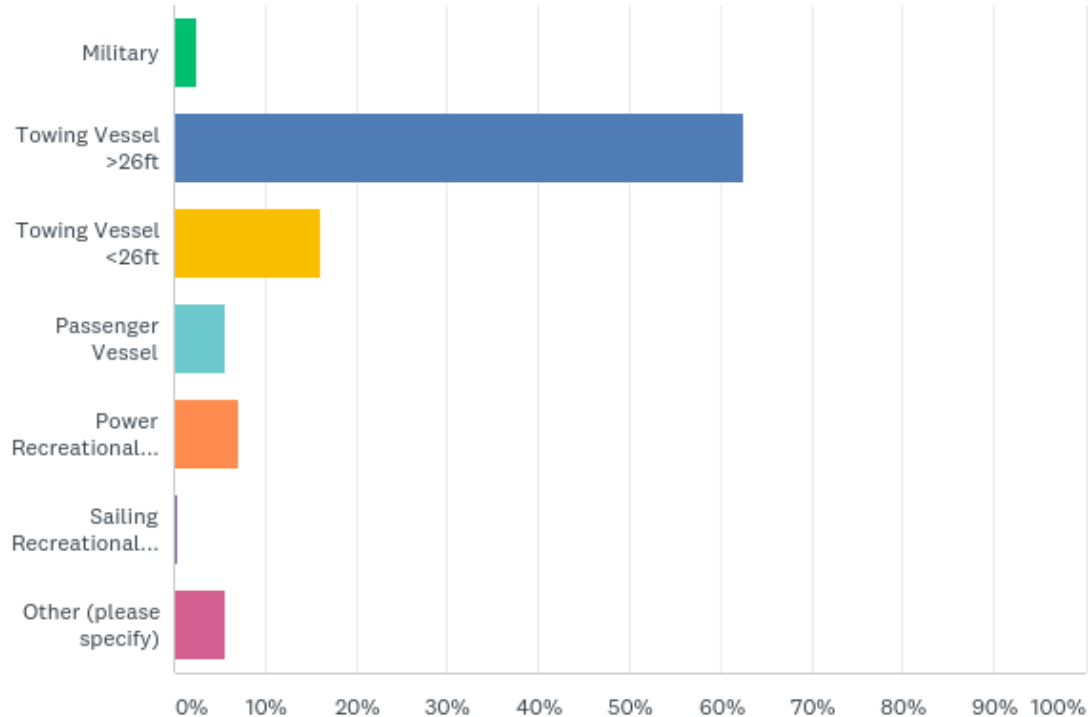
Total Responses

Date Created: Friday, January 26, 2018

Complete Responses: 462

# Q1: What type and size of vessel do you operate in these waters? (select one)

Answered: 461 Skipped: 1



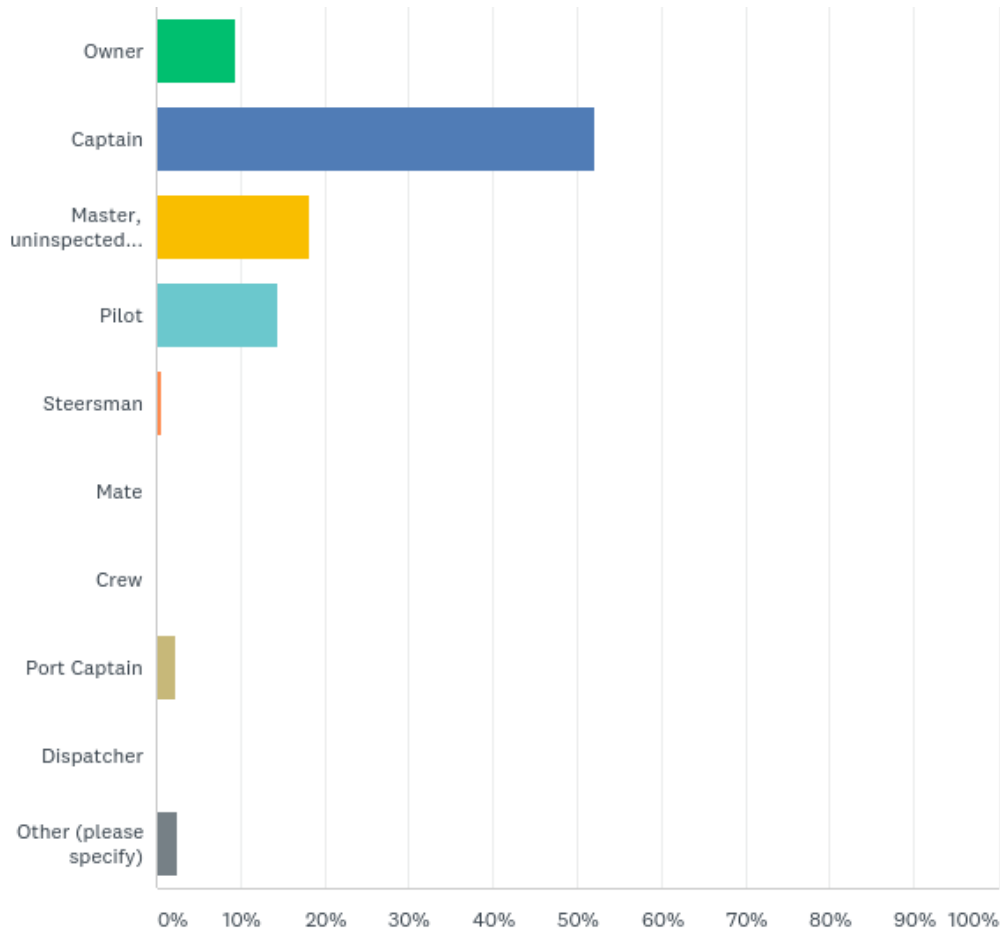
# Q1: What type and size of vessel do you operate in these waters? (select one)

Answered: 461 Skipped: 1

ANSWER CHOICES	RESPONSES	
Military	2.60%	12
Towing Vessel >26ft	62.47%	288
Towing Vessel <26ft	16.05%	74
Passenger Vessel	5.64%	26
Power Recreational Vessel	7.16%	33
Sailing Recreational Vessel	0.43%	2
Other (please specify)	5.64%	26
<b>TOTAL</b>		<b>461</b>

## Q2: What is your position associated with the vessel(s) operated in these waters? (select one )

Answered: 459 Skipped: 3



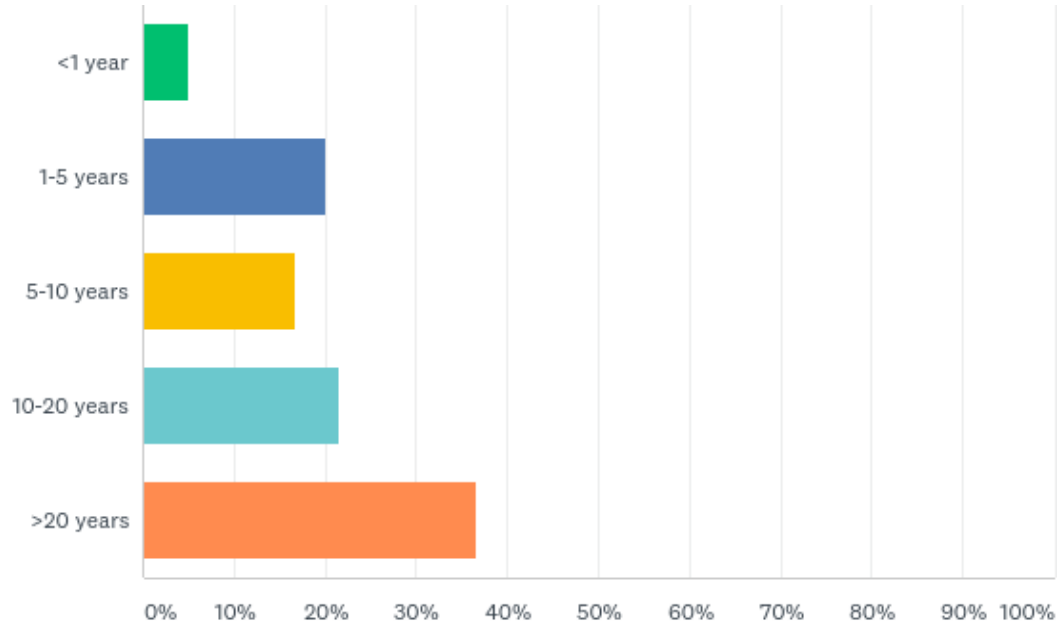
## Q2: What is your position associated with the vessel(s) operated in these waters? (select one )

Answered: 459 Skipped: 3

ANSWER CHOICES	RESPONSES	
Owner	9.37%	43
Captain	52.07%	239
Master, uninspected Towing Vessel	18.30%	84
Pilot	14.38%	66
Steersman	0.65%	3
Mate	0.22%	1
Crew	0.00%	0
Port Captain	2.40%	11
Dispatcher	0.00%	0
Other (please specify)	2.61%	12
<b>TOTAL</b>		<b>459</b>

### Q3: How long have you held this position? (select one)

Answered: 461 Skipped: 1



### Q3: How long have you held this position? (select one)

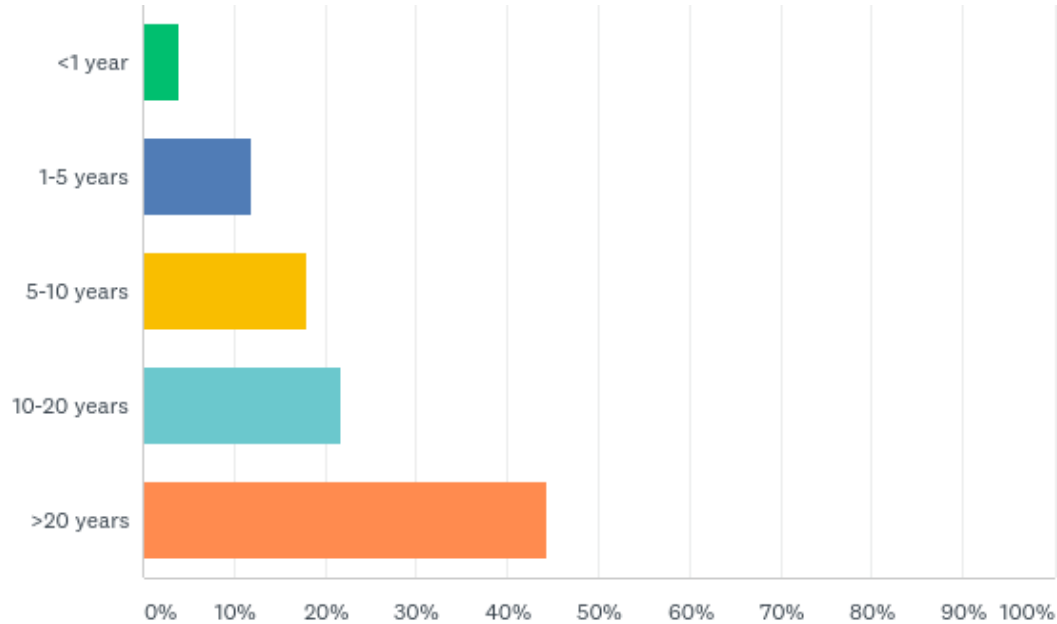
Answered: 461 Skipped: 1

ANSWER CHOICES	RESPONSES	
<1 year	4.99%	23
1-5 years	20.17%	93
5-10 years	16.70%	77
10-20 years	21.48%	99
>20 years	36.66%	169
TOTAL		461



## Q4: How many years have you operated a vessel from the wheelhouse on the Western Rivers?

Answered: 458 Skipped: 4



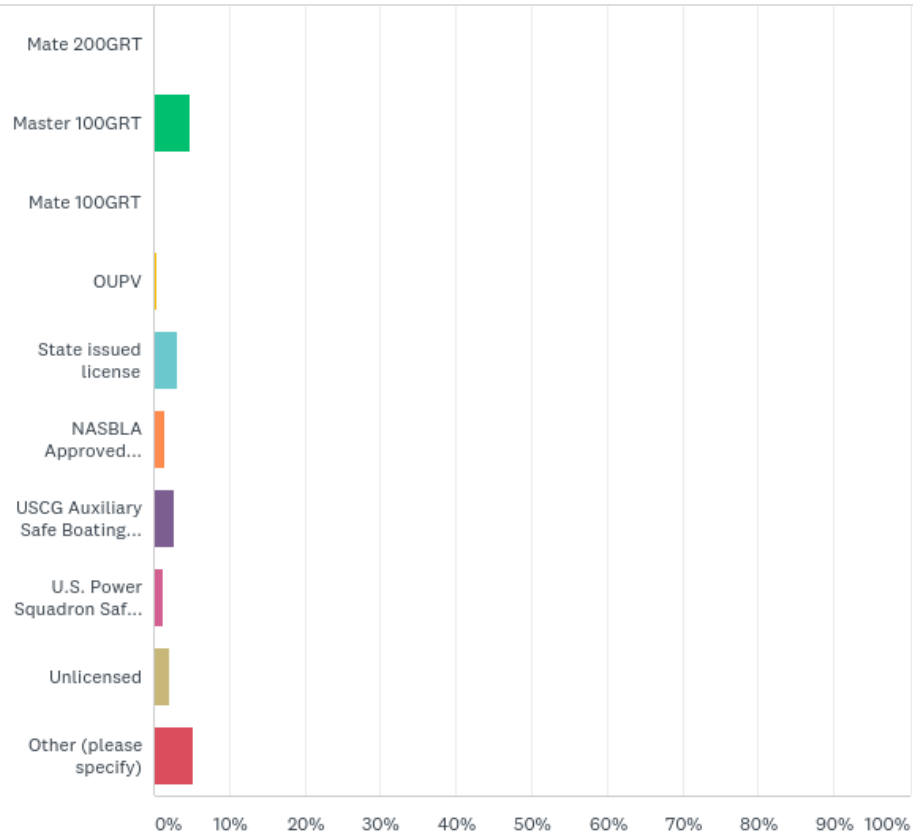
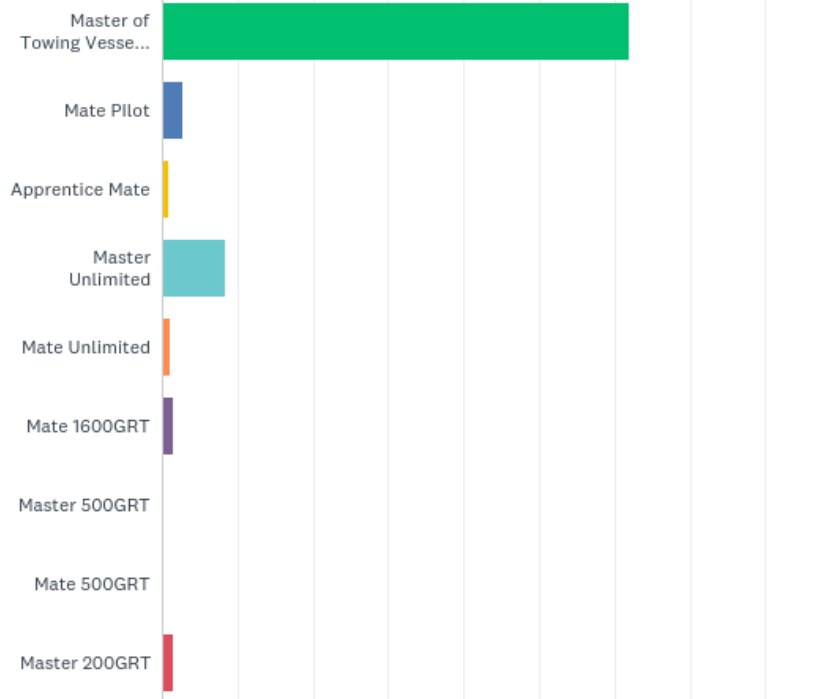
## Q4: How many years have you operated a vessel from the wheelhouse on the Western Rivers?

Answered: 458 Skipped: 4

ANSWER CHOICES	RESPONSES	
<1 year	3.93%	18
1-5 years	12.01%	55
5-10 years	17.90%	82
10-20 years	21.83%	100
>20 years	44.32%	203
<b>TOTAL</b>		<b>458</b>

# Q5: What is the highest type of training/license that you hold? (select one)

Answered: 461 Skipped: 1



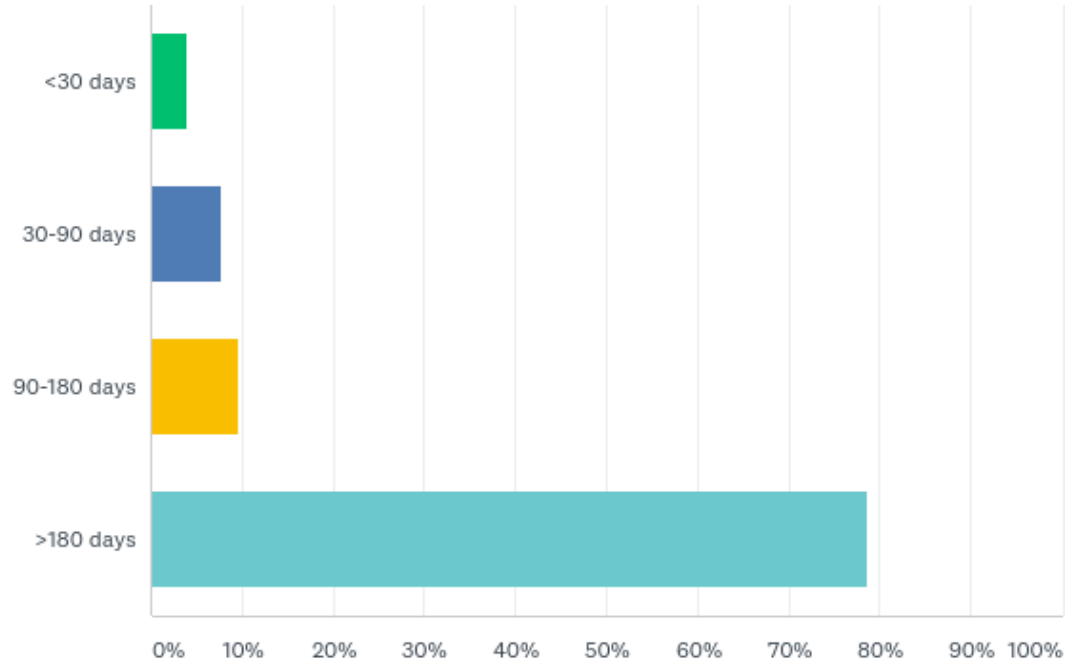
## Q5: What is the highest type of training/license that you hold? (select one)

Answered: 461 Skipped: 1

ANSWER CHOICES	RESPONSES	
Master of Towing Vessels, Western Rivers	61.82%	285
Mate Pilot	2.82%	13
Apprentice Mate	0.87%	4
Master Unlimited	8.46%	39
Mate Unlimited	1.08%	5
Mate 1600GRT	1.52%	7
Master 500GRT	0.22%	1
Mate 500GRT	0.22%	1
Master 200GRT	1.52%	7
Mate 200GRT	0.22%	1
Master 100GRT	4.77%	22
Mate 100GRT	0.00%	0
OUPV	0.43%	2
State issued license	3.04%	14
NASBLA Approved Boating Safety Courses	1.52%	7
USCG Auxiliary Safe Boating Courses	2.82%	13
U.S. Power Squadron Safe Boating Courses	1.30%	6
Unlicensed	2.17%	10
Other (please specify)	5.21%	24
<b>TOTAL</b>		<b>461</b>

## Q6: On average, how many days do you spend operating a vessel per year? (select one)

Answered: 459 Skipped: 3



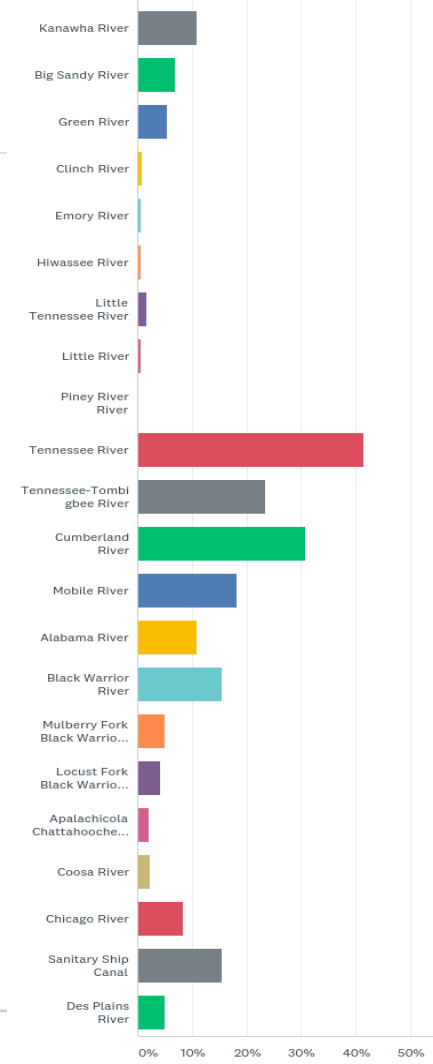
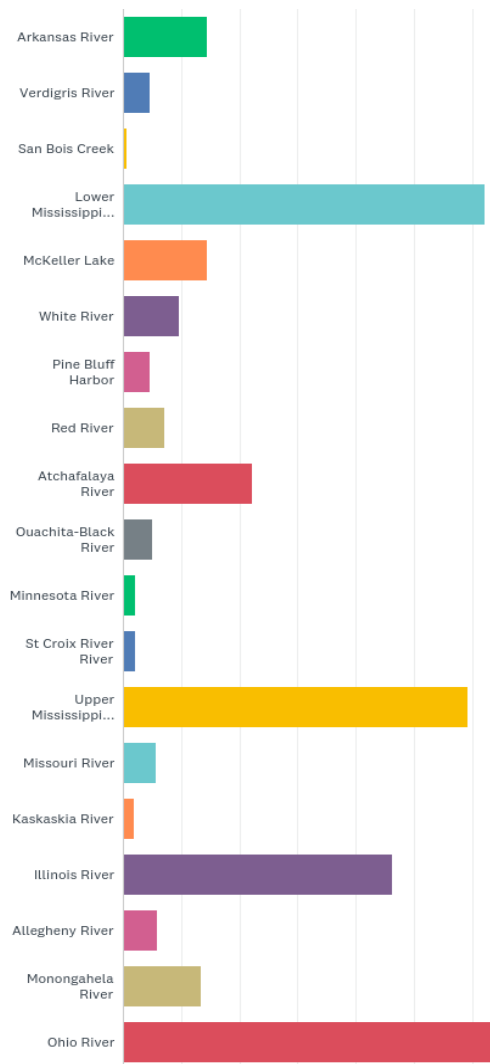
## Q6: On average, how many days do you spend operating a vessel per year? (select one)

Answered: 459 Skipped: 3

ANSWER CHOICES	RESPONSES	
<30 days	3.92%	18
30-90 days	7.84%	36
90-180 days	9.59%	44
>180 days	78.65%	361
TOTAL		459

Answered: 459 Skipped: 3

## Q7: On what waterways do you operate? (Select all that apply)



# Q7: On what waterways do you operate? (Select all that apply)

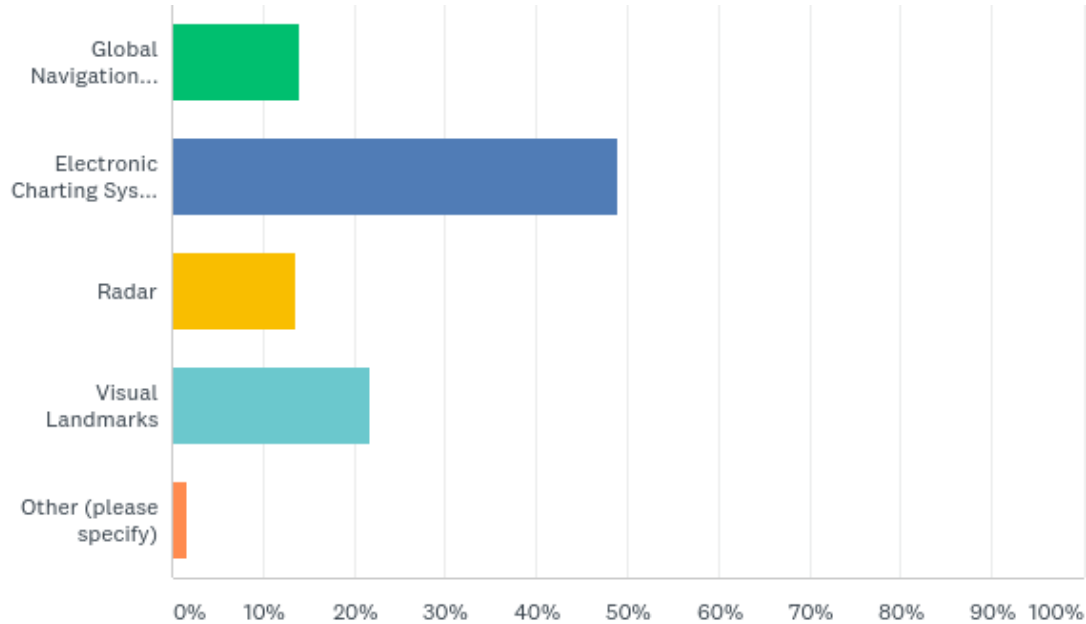
Answered: 459 Sk

ANSWER CHOICES	RESPONSES			
Arkansas River	14.38%	66	Kanawha River	10.89% 50
Verdigris River	4.58%	21	Big Sandy River	6.97% 32
San Bois Creek	0.65%	3	Green River	5.45% 25
Lower Mississippi River	62.09%	285	Clinch River	0.87% 4
McKeller Lake	14.38%	66	Emory River	0.65% 3
White River	9.59%	44	Hiwassee River	0.65% 3
Pine Bluff Harbor	4.58%	21	Little Tennessee River	1.74% 8
Red River	7.19%	33	Little River	0.65% 3
Atchafalaya River	22.22%	102	Piney River River	0.00% 0
Ouachita-Black River	5.01%	23	Tennessee River	41.39% 190
Minnesota River	2.18%	10	Tennessee-Tombigbee River	23.53% 108
St Croix River River	2.18%	10	Cumberland River	30.72% 141
Upper Mississippi River	59.26%	272	Mobile River	18.30% 84
Missouri River	5.66%	26	Alabama River	10.89% 50
Kaskaskia River	1.96%	9	Black Warrior River	15.47% 71
Illinois River	46.19%	212	Mulberry Fork Black Warrior River	5.01% 23
Allegheny River	5.88%	27	Locust Fork Black Warrior River	4.14% 19
Monongahela River	13.29%	61	Apalachicola Chattahoochee Flint River (ACF)	2.18% 10
Ohio River	64.71%	297	Coosa River	2.40% 11
			Chicago River	8.28% 38
			Sanitary Ship Canal	15.47% 71
			Des Plains River	5.01% 23
			Total Respondents: 459	



## Q8: What is your Primary means to determine your position? (select one )

Answered: 459 Skipped: 3



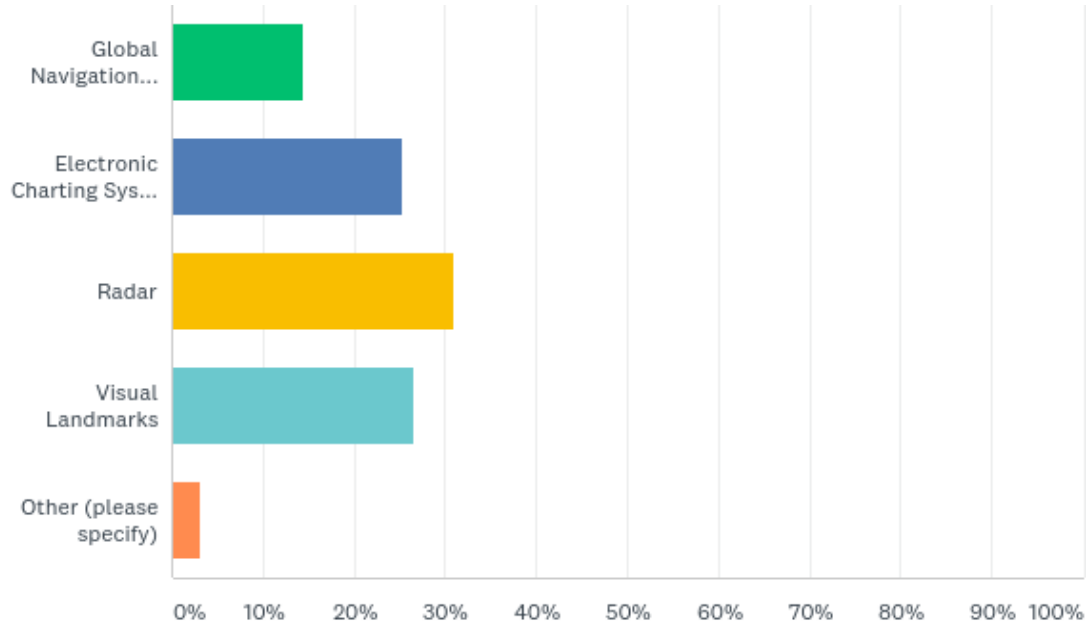
## Q8: What is your Primary means to determine your position? (select one )

Answered: 459 Skipped: 3

ANSWER CHOICES	RESPONSES	
Global Navigation Satellite System (GPS )	13.94%	64
Electronic Charting System (ECS) e.g. Rose Point, Nobeltec, CNS, etc	49.02%	225
Radar	13.51%	62
Visual Landmarks	21.79%	100
Other (please specify)	1.74%	8
<b>TOTAL</b>		<b>459</b>

# Q9: What is your Secondary means to determine your position? (select one)

Answered: 460 Skipped: 2



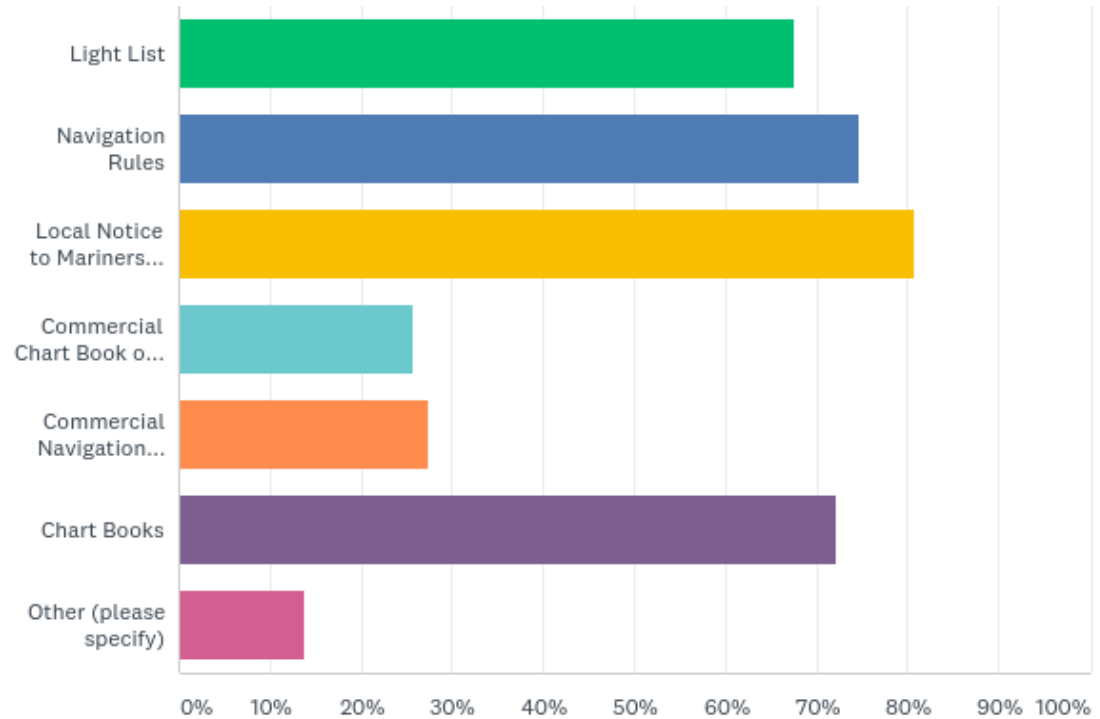
## Q9: What is your Secondary means to determine your position? (select one)

Answered: 460 Skipped: 2

ANSWER CHOICES	RESPONSES	
Global Navigation Satellite System (GPS )	14.35%	66
Electronic Charting System (ECS) e.g. Rose Point, Nobeltec, CNS, etc	25.22%	116
Radar	30.87%	142
Visual Landmarks	26.52%	122
Other (please specify)	3.04%	14
<b>TOTAL</b>		<b>460</b>

# Q10: What navigation reference materials do you use onboard when transiting? (select all that apply)

Answered: 459 Skipped: 3



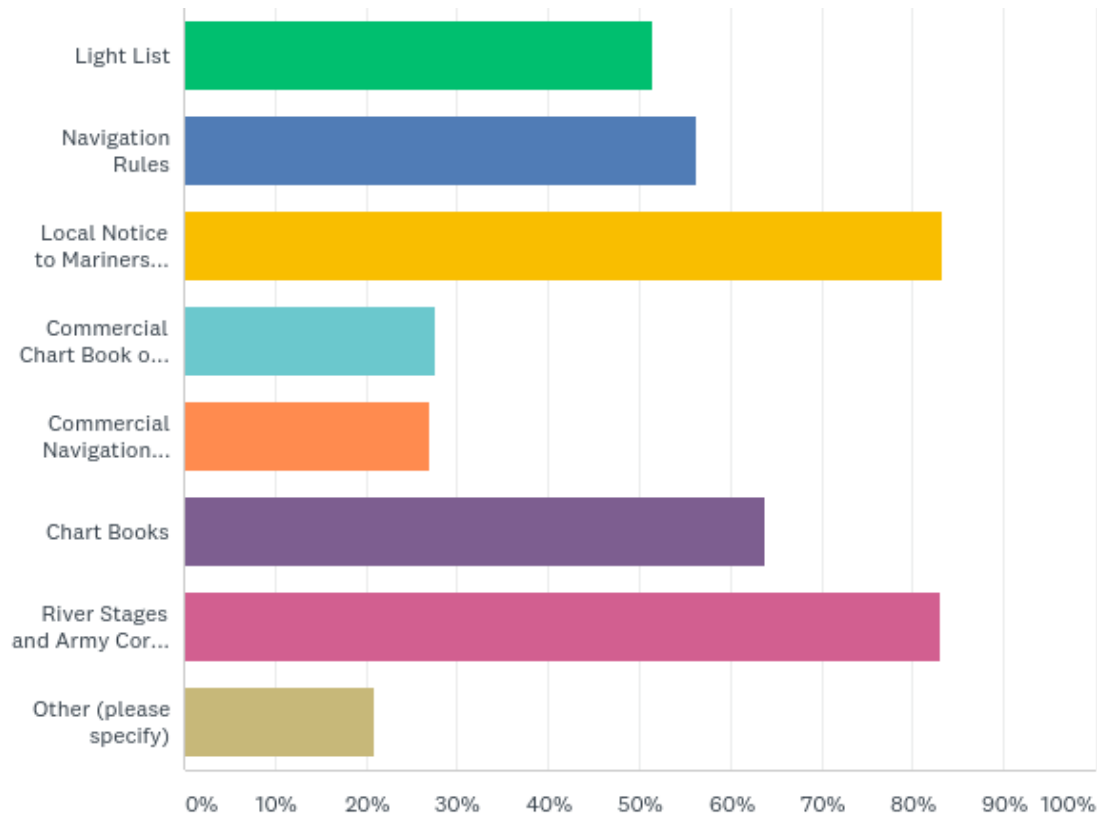
## Q10: What navigation reference materials do you use onboard when transiting? (select all that apply)

Answered: 459 Skipped: 3

ANSWER CHOICES	RESPONSES	
Light List	67.54%	310
Navigation Rules	74.73%	343
Local Notice to Mariners (USCG)	80.83%	371
Commercial Chart Book or Cruising Guide	25.71%	118
Commercial Navigation Applications	27.45%	126
Chart Books	72.11%	331
Other (please specify)	13.73%	63
Total Respondents: 459		

## Q12: What navigation reference materials do you use for voyage planning? (select all that apply)

Answered: 458 Skipped: 4



## Q12: What navigation reference materials do you use for voyage planning? (select all that apply)

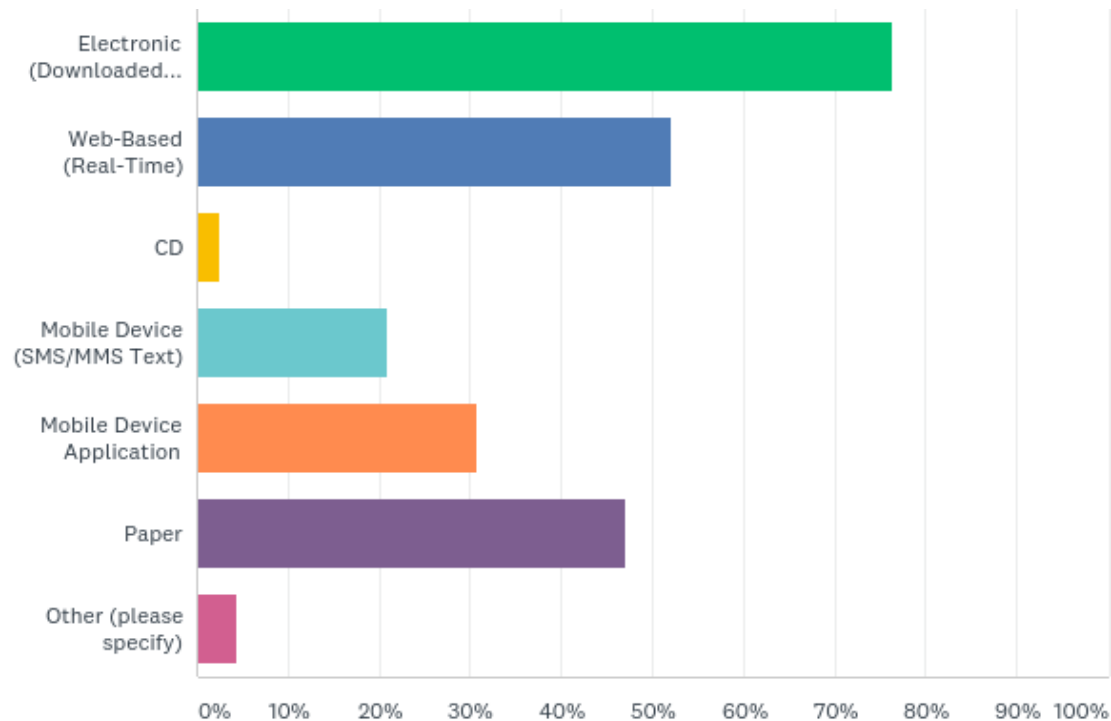
Answered: 458 Skipped: 4

ANSWER CHOICES	RESPONSES	
Light List	51.53%	236
Navigation Rules	56.33%	258
Local Notice to Mariners (USCG)	83.19%	381
Commercial Chart Book or Cruising Guide	27.51%	126
Commercial Navigation Applications	27.07%	124
Chart Books	63.76%	292
River Stages and Army Corps of Engineers Surveys	82.97%	380
Other (please specify)	20.96%	96
Total Respondents: 458		



# Q13: What format do you prefer your navigation reference materials to be in? (select all that apply)

Answered: 457 Skipped: 5



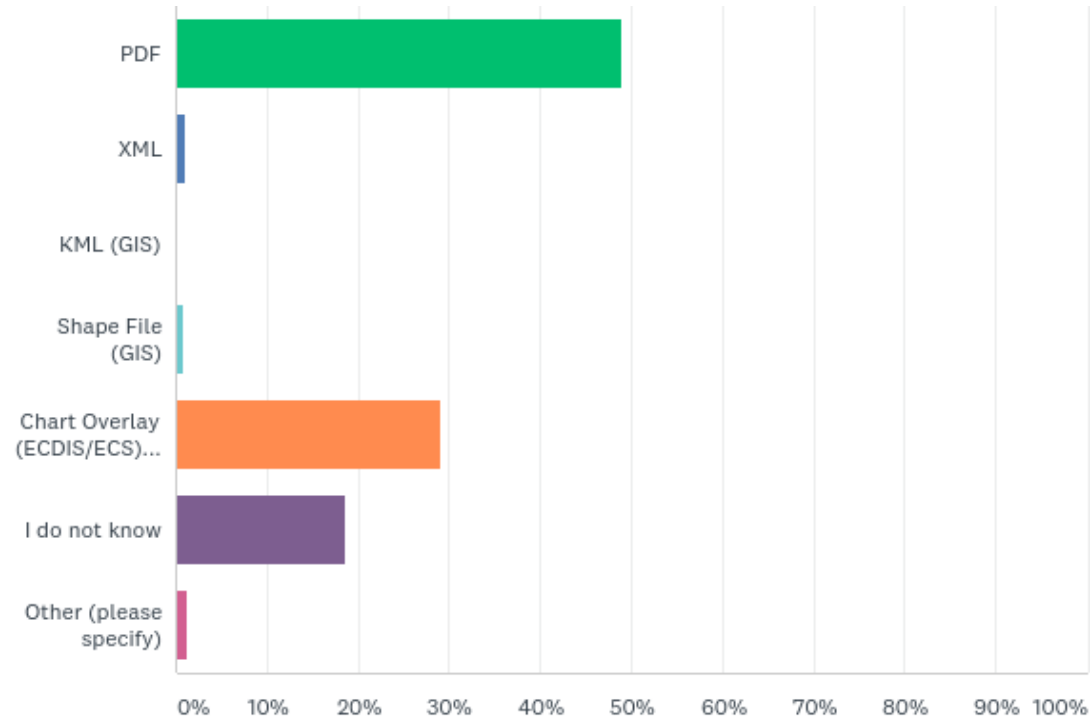
## Q13: What format do you prefer your navigation reference materials to be in? (select all that apply)

Answered: 457 Skipped: 5

ANSWER CHOICES	RESPONSES	
Electronic (Downloaded prior to getting u/w)	76.37%	349
Web-Based (Real-Time)	52.08%	238
CD	2.41%	11
Mobile Device (SMS/MMS Text)	21.01%	96
Mobile Device Application	30.85%	141
Paper	47.05%	215
Other (please specify)	4.38%	20
Total Respondents: 457		

## Q15: If you use electronic reference material, what format do you prefer? (select one)

Answered: 450 Skipped: 12



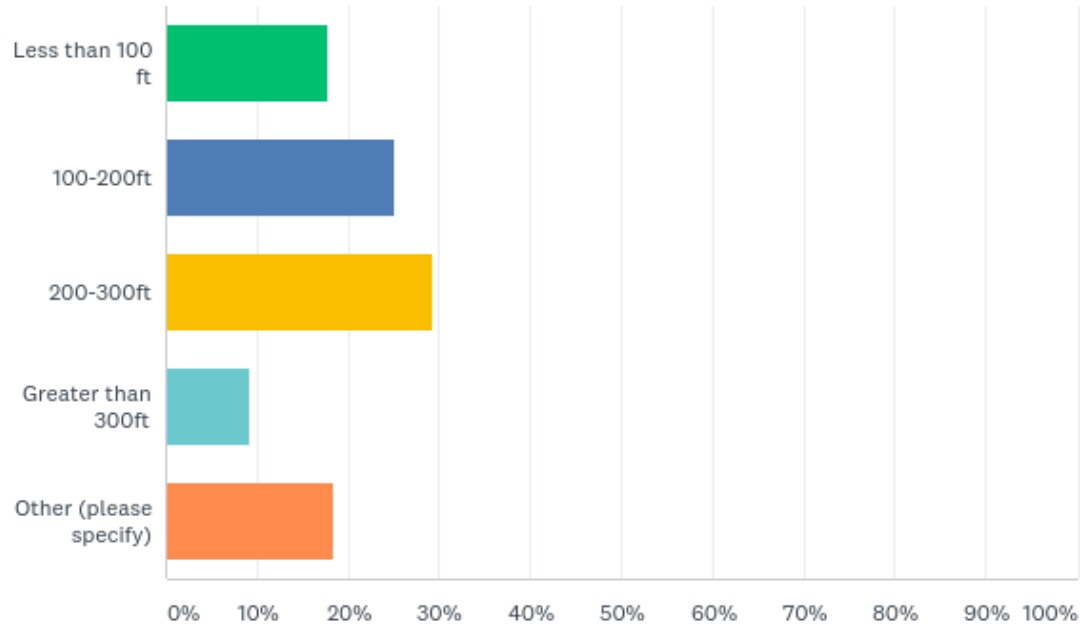
## Q15: If you use electronic reference material, what format do you prefer? (select one)

Answered: 450 Skipped: 12

ANSWER CHOICES	RESPONSES	
PDF	48.89%	220
XML	1.11%	5
KML (GIS)	0.00%	0
Shape File (GIS)	0.89%	4
Chart Overlay (ECDIS/ECS) Note:This is normally Marine Safety Information overlaid on your navigation screen	29.11%	131
I do not know	18.67%	84
Other (please specify)	1.33%	6
TOTAL		450

## Q16: What do you consider to be a narrow channel? (select one )

Answered: 454 Skipped: 8



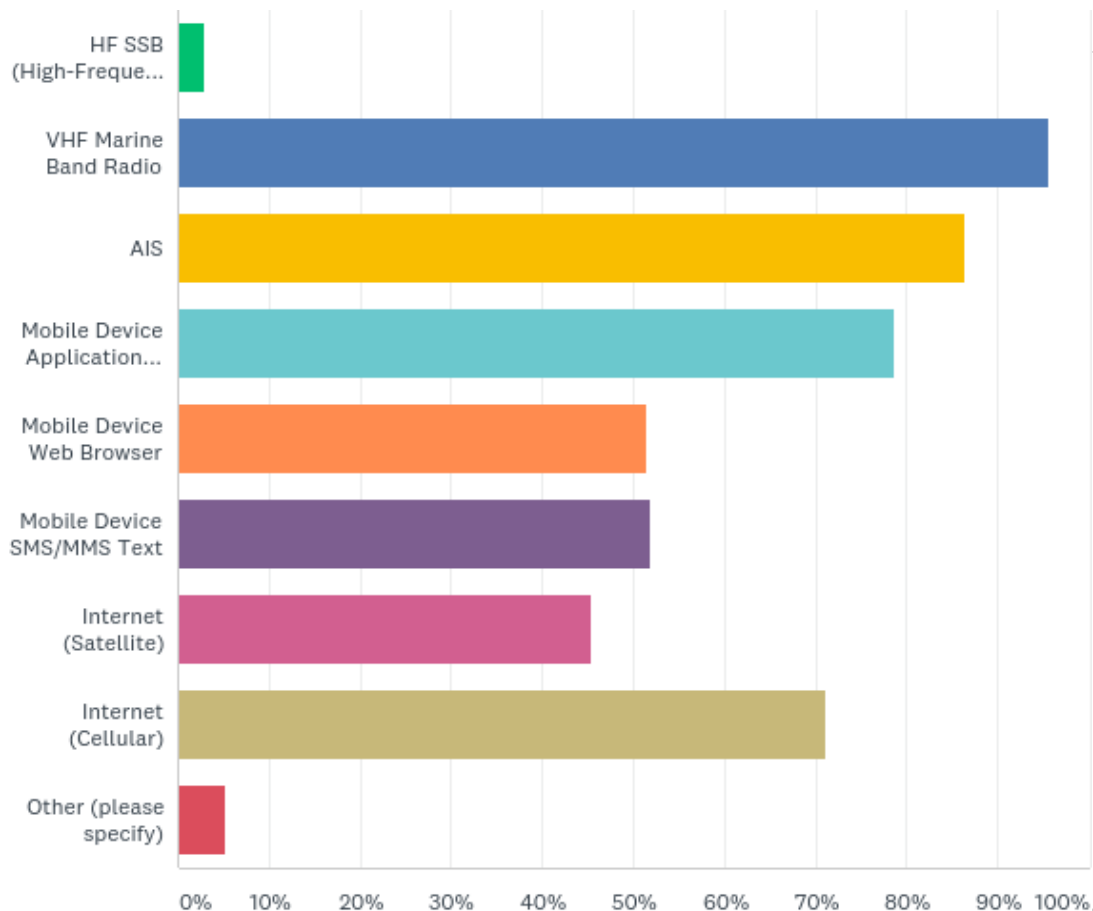
## Q16: What do you consider to be a narrow channel? (select one )

Answered: 454 Skipped: 8

ANSWER CHOICES	RESPONSES	
Less than 100 ft	17.84%	81
100-200ft	25.11%	114
200-300ft	29.30%	133
Greater than 300ft	9.25%	42
Other (please specify)	18.50%	84
<b>TOTAL</b>		<b>454</b>

# Q17: What kind of communications equipment do you have onboard? (select all that apply )

Answered: 458 Skipped: 4



## Q17: What kind of communications equipment do you have onboard? (select all that apply )

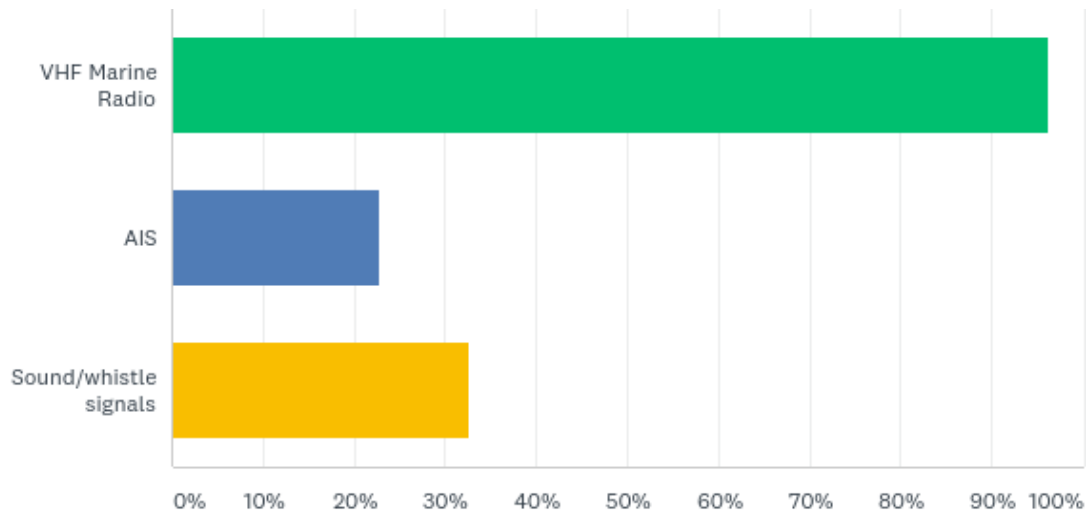
Answered: 458 Skipped: 4

ANSWER CHOICES	RESPONSES	
HF SSB (High-Frequency Single Side Band)	2.84%	13
VHF Marine Band Radio	95.63%	438
AIS	86.46%	396
Mobile Device Application (i.e. smartphone, tablet)	78.60%	360
Mobile Device Web Browser	51.53%	236
Mobile Device SMS/MMS Text	51.97%	238
Internet (Satellite)	45.41%	208
Internet (Cellular)	71.18%	326
Other (please specify)	5.24%	24
Total Respondents: 458		



## Q18: How do you routinely communicate your intentions with nearby vessels? (select all that apply):

Answered: 458 Skipped: 4



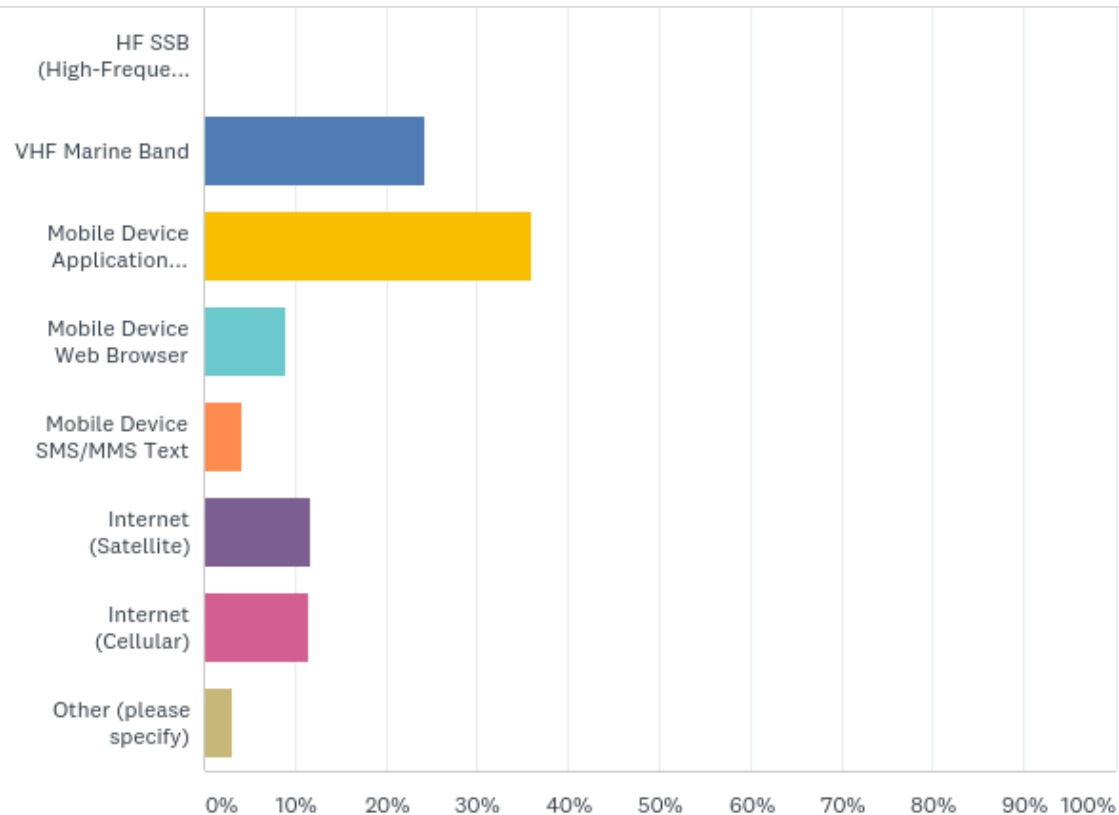
## Q18: How do you routinely communicate your intentions with nearby vessels? (select all that apply):

Answered: 458 Skipped: 4

ANSWER CHOICES	RESPONSES	
VHF Marine Radio	96.29%	441
AIS	22.71%	104
Sound/whistle signals	32.53%	149
Total Respondents: 458		

# Q19: While underway, how do you prefer to obtain weather information? (select one)

Answered: 457 Skipped: 5



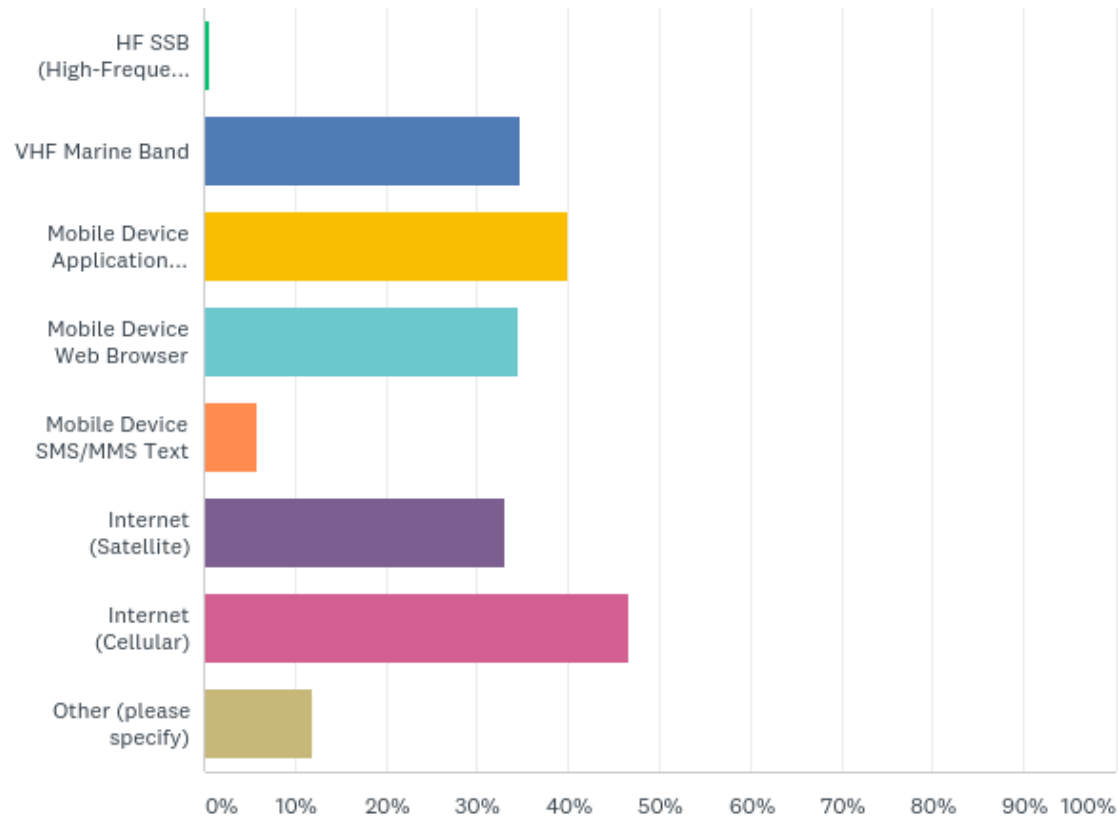
## Q19: While underway, how do you prefer to obtain weather information? (select one)

Answered: 457 Skipped: 5

ANSWER CHOICES	RESPONSES	
HF SSB (High-Frequency Single Side Band)	0.22%	1
VHF Marine Band	24.29%	111
Mobile Device Application (i.e. smartphone, tablet)	35.89%	164
Mobile Device Web Browser	8.97%	41
Mobile Device SMS/MMS Text	4.16%	19
Internet (Satellite)	11.82%	54
Internet (Cellular)	11.60%	53
Other (please specify)	3.06%	14
<b>TOTAL</b>		<b>457</b>

# Q20: How do you obtain river stage information and dam outflow information?

Answered: 456 Skipped: 6



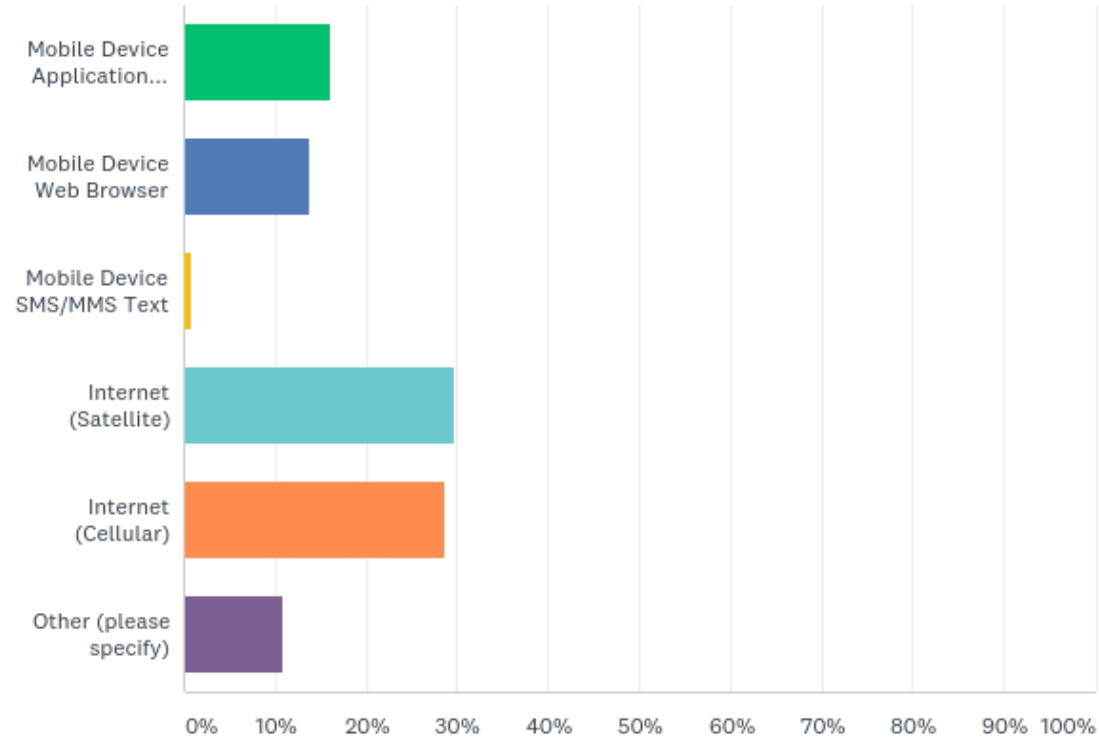
## Q20: How do you obtain river stage information and dam outflow information?

Answered: 456 Skipped: 6

ANSWER CHOICES	RESPONSES	
HF SSB (High-Frequency Single Side Band)	0.66%	3
VHF Marine Band	34.65%	158
Mobile Device Application (i.e. smartphone, tablet)	39.91%	182
Mobile Device Web Browser	34.43%	157
Mobile Device SMS/MMS Text	5.92%	27
Internet (Satellite)	33.11%	151
Internet (Cellular)	46.71%	213
Other (please specify)	11.84%	54
Total Respondents: 456		

## Q21: How do you obtain current USACE survey data ?

Answered: 452 Skipped: 10



## Q21: How do you obtain current USACE survey data ?

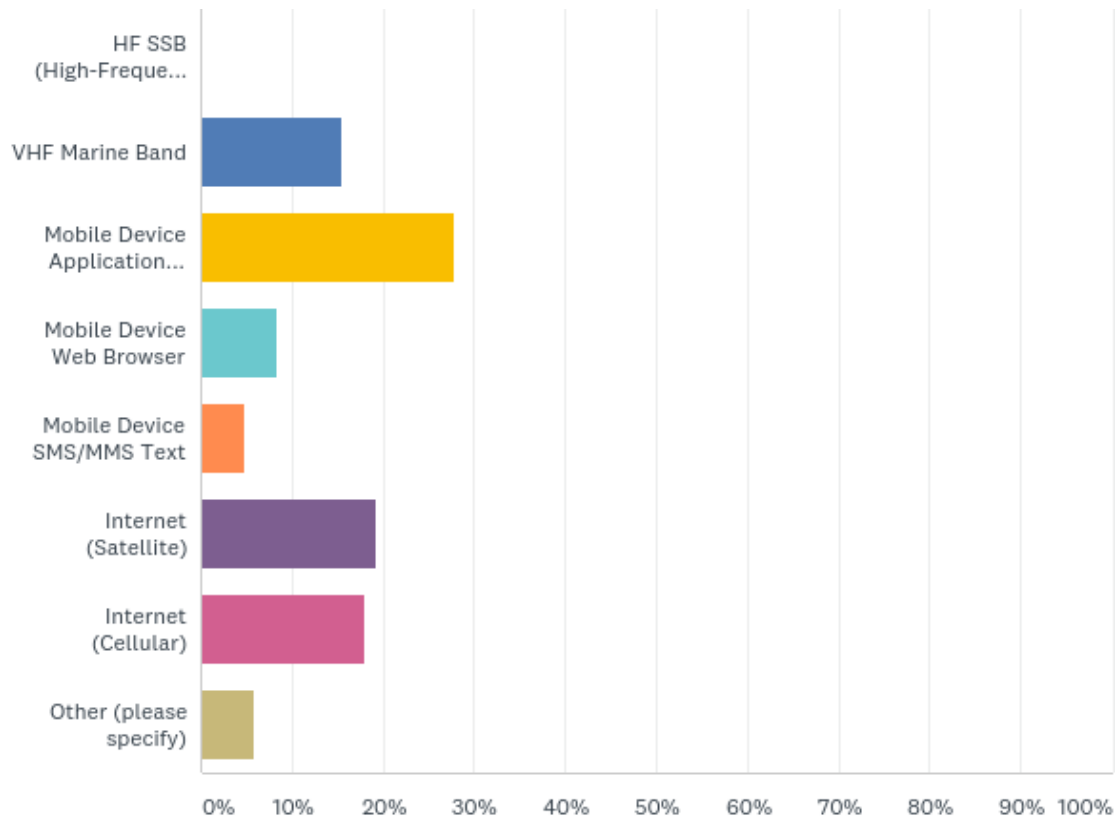
Answered: 452 Skipped: 10

ANSWER CHOICES	RESPONSES	
Mobile Device Application (i.e. smartphone, tablet)	16.15%	73
Mobile Device Web Browser	13.72%	62
Mobile Device SMS/MMS Text	0.88%	4
Internet (Satellite)	29.65%	134
Internet (Cellular)	28.76%	130
Other (please specify)	10.84%	49
<b>TOTAL</b>		<b>452</b>



## Q23: What would be your preferred method of obtaining dam outflow and river stage data?

Answered: 455 Skipped: 7



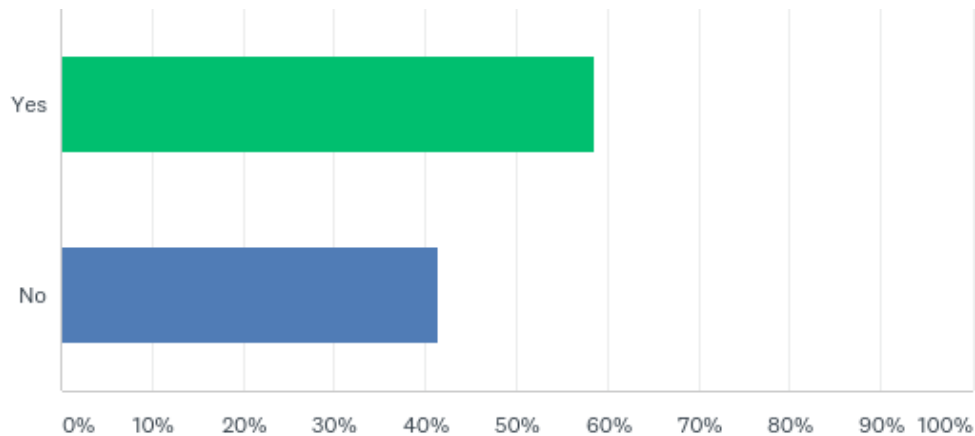
## Q23: What would be your preferred method of obtaining dam outflow and river stage data?

Answered: 455 Skipped: 7

ANSWER CHOICES	RESPONSES	
HF SSB (High-Frequency Single Side Band)	0.22%	1
VHF Marine Band	15.38%	70
Mobile Device Application (i.e. smartphone, tablet)	27.91%	127
Mobile Device Web Browser	8.35%	38
Mobile Device SMS/MMS Text	4.84%	22
Internet (Satellite)	19.34%	88
Internet (Cellular)	18.02%	82
Other (please specify)	5.93%	27
TOTAL		455

## Q24: Have you observed any electronic Aids to Navigation such as AIS-ATON?

Answered: 446 Skipped: 16



## Q24: Have you observed any electronic Aids to Navigation such as AIS-ATON?

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Answered: 446 Skipped: 16

ANSWER CHOICES	RESPONSES	
Yes	58.52%	261
No	41.48%	185
TOTAL		446