



NOAA
FISHERIES

Southeast
Regional
Office

2020 IFQ Fishery Pandemic Impacts - Carry Over Needs?

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January 2021

Carry over considerations

- Council ongoing consideration of carry-over
 - Review 2020 preliminary landings
 - Comparison to past years
- SSC advice needed prior to carry over action
 - Comments on amount of carry-over by share category
 - No negative impact on SSB or rebuilding time
 - Consider buffer between ABC and OFL
 - Approval of new ABC for each share category

Flexibility Measures & Multi-use Considerations

- Deep-water and shallow-water flexibility measures
 - Three species may be landed under their secondary category once all primary category is zero.
 - Scamp – Primary is SWG
 - Warsaw grouper and Speckled hind – Primary is DWG
- Red grouper & Gag Multi-use
 - A percentage of released quota for red grouper or gag converts to red grouper and gag multi-use
 - Disallowed when under rebuilding plans

Multi-use Considerations

- Formula derived – Ensures neither ACL exceeded

$$\text{Red multi-use} = 100 * \frac{(\text{Gag ACL} - \text{Gag commercial quota})}{\text{Red grouper commercial quota}}$$

- System determined usage – primary, primary multi-use, secondary multi-use
 - Ex. Gag, gag multi-use, red grouper multi-use
- Carry over affect on ACL under each scenario
 - All primary
 - As remaining in accounts (both primary and multi-use)
 - Proportioned by formula

Percentage of quota landed annually

Year	RS	RG*	GG	DWG	SWG	TF
2017	99.6%	42.8%	52.4%	80.3%	45.5%	83.3%
2018	99.6%	30.4%	52.5%	79.8%	42.7%	66.3%
2019	99.4%	67.9%*	56.7%	92.9%	35.2%	72.7%
2020	99.0%	78.9%*	50.7%	78.5%	31.3%	59.9%

* Red grouper quota significantly decreased between 2018 and 2019.
2017 and 2018 = 7.78 mp gw
2019 and 2020 = 3.00 mp gw

Pounds (lb gw) of quota landed annually

Year	RS	RG*	GG	DWG	SWG	TF
2017	6,287,083	3,328,271	492,095	821,899	239,046	484,895
2018	6,285,704	2,363,280	492,934	817,452	224,161	386,138
2019	6,899,225	2,037,046*	532,015	951,729	185,014	422,926
2020	6,869,968	2,368,322*	475,714	803,760	164,072	348,844
<i>2020 quota</i>	<i>6,937,838</i>	<i>3,000,000</i>	<i>939,000</i>	<i>1,024,000</i>	<i>525,000</i>	<i>582,000</i>
<i>2020 remaining</i>	<i>67,870</i>	<i>631,678</i>	<i>463,286</i>	<i>220,240</i>	<i>360,928</i>	<i>233,156</i>

* Red grouper quota significantly decreased between 2018 and 2019.

2017 and 2018 = 7.78 mp gw

2019 and 2020 = 3.00 mp gw



Accounts with remaining allocation

Cat.	Accts. w/alloc.	Accts. w/ remaining alloc.	Remaining pounds of allocation				
			1 - 10	11 - 100	101 - 1,000	1,001 -10,000	10,001+
RS	644	191 (30%)	32	65	84	9	1
RG	693	429 (62%)	60	109	177	76	7
RGM	549	344 (63%)	111	106	93	32	2
GG	733	503 (69%)	59	150	207	84	3
GGM	549	374 (68%)	100	128	122	24	0
DWG	463	278 (60%)	40	110	82	43	3
SWG	711	527 (74%)	78	161	198	87	3
TF	289	167 (58%)	42	52	50	17	6

Overage compared to buffer

Cat.	OFL	ABC	OFL- ABC	Overage
TF	747,000	608,000	139,000	233,156
DWG	1,220,000	1,200,000	20,000	220,240
SWG	209,000	166,000	43,000	360,928
GG	6,770,000	3,120,000	3,650,000	463,286
RG	14,160,000	13,920,000	240,000	631,678
RS	13,963,964	13,603,604	360,360	67,870

All weights are in gutted pounds as the IFQ system records in gutted pounds.
Assumes recreational is not their quota.

Carry Over Questions and Comments



Supplemental Slides

Annual Landings over time

DWG	Landings	% Quota
2010	624,762	61%
2011	779,519	76%
2012	963,835	86%
2013	912,923	82%
2014	1,048,142	94%
2015	911,339	83%
2016	867,040	85%
2017	821,899	80%
2018	817,452	80%
2019	951,729	93%

SWG	Landings	% Quota
2010	158,234	39%
2011	186,235	45%
2012	300,367	59%
2013	307,846	59%
2014	263,251	50%
2015	282,338	54%
2016	358,163	68%
2017	239,046	46%
2018	224,161	43%
2019	185,014	35%

TF	Landings	% Quota
2010	249,708	57%
2011	386,134	88%
2012	451,121	78%
2013	440,091	76%
2014	517,268	89%
2015	537,512	92%
2016	429,003	74%
2017	484,895	83%
2018	386,138	66%
2019	422,926	73%

Annual Landings over time

RG	Landings	% Quota
2010	2,913,858	51%
2011	4,782,194	91%
2012	5,217,205	97%
2013	4,594,672	83%
2014	5,497,993	98%
2015	4,784,992	84%
2016	4,631,388	60%
2017	3,377,210	43%
2018	2,404,300	31%
2019	2,099,186	70%

GG	Landings	% Quota
2010	493,938	35%
2011	320,137	74%
2012	525,066	93%
2013	579,664	82%
2014	689,513	83%
2015	554,941	59%
2016	777,190	83%
2017	443,156	47%
2018	451,914	48%
2019	469,875	50%

Landings by Species Over Time

Share Cat.	Species	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
DWG	Snowy grouper	90,180	132,971	168,759	108,689	159,857	108,980	94,830	87,587	89,416	91,430
	Speckled hind	15,359	24,925	43,344	34,922	72,241	55,550	41,151	51,061	60,618	67,082
	Warsaw grouper	56,496	61,661	86,212	103,074	75,426	55,502	44,635	44,362	35,976	33,590
	Yellowedge grouper	443,887	558,908	667,785	673,349	773,621	735,218	709,349	677,926	677,310	804,558
SWG	Black grouper	20,905	34,970	47,537	56,750	60,555	54,831	48,788	37,032	34,806	25,634
	Scamp	153,533	149,286	249,320	242,170	167,840	182,108	284,987	162,435	142,787	113,908
	Yellowfin grouper	1,394	945	739	856	568	442	709	152	440	377
	Yellowmouth grouper	85	548	506	959	1,285	1,046	754	390	260	164

Landings by Species Over Time

Share Cat.	Species	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
TF	Blueline tilefish	22,555	44,841	82,025	49,454	74,221	53,681	47,898	61,808	66,936	127,162
	Golden tilefish	209,641	341,260	366,763	383,132	442,992	483,779	380,125	423,054	318,133	295,691
	Goldface tilefish ²	16,559	33	2,333	7,505	55	35	212	33	1,069	73

Remaining Allocation Over Time

DWG	lb	Acct	% quota
2010	395,615	390	39
2011	240,703	283	24
2012	163,126	235	14
2013	205,088	253	18
2014	62,405	195	6
2015	189,347	238	17
2016	156,744	228	15
2017	202,191	250	20
2018	206,622	264	20
2019	71,973	202	7

SWG	lb	Acct	% quota
2010	251,503	630	61
2011	223,743	513	55
2012	208,450	441	41
2013	210,129	493	41
2014	259,689	461	50
2015	242,619	499	46
2016	166,837	476	32
2017	285,942	538	54
2018	300,925	536	57
2019	337,610	485	64

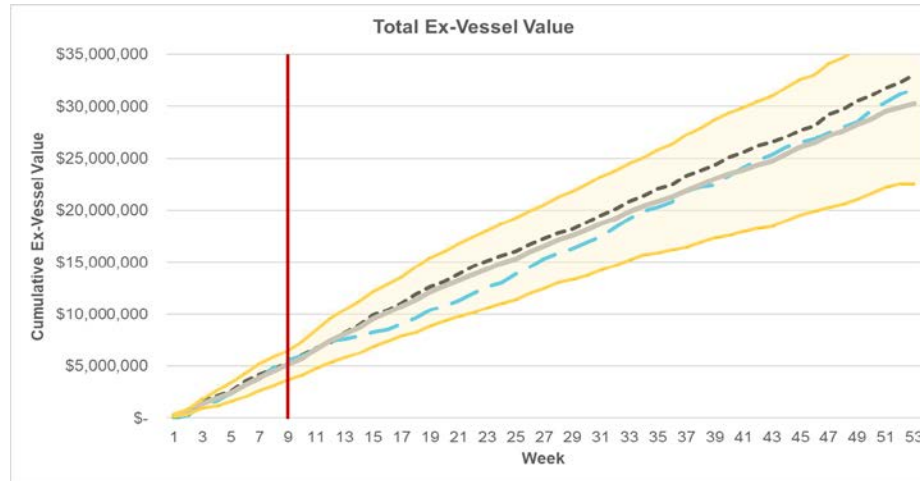
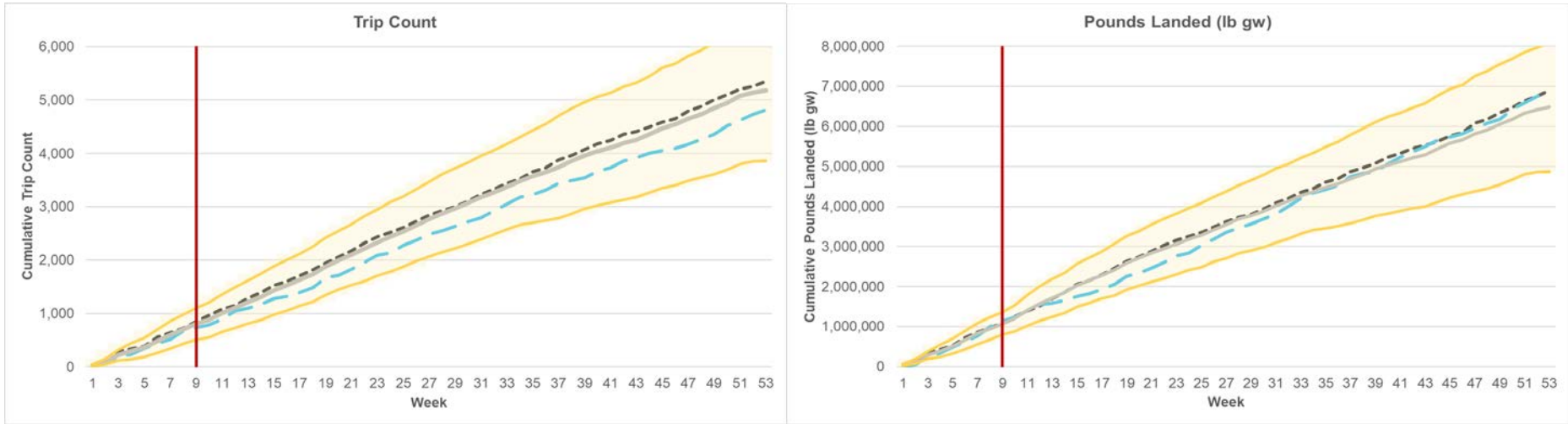
TF	lb	Acct	% quota
2010	190,857	219	43
2011	53,920	142	12
2012	130,903	130	22
2013	141,968	148	24
2014	64,855	113	11
2015	44,613	122	8
2016	153,031	121	26
2017	97,149	133	17
2018	195,955	157	34
2019	158,757	128	27

Remaining Allocation Over Time

RG	lb	Acct	% quota
2010	2,835,405	666	49
2011	448,926	501	9
2012	152,249	356	3
2013	935,526	441	17
2014	132,651	317	2
2015	935,240	478	16
2016	3,148,565	582	40
2017	4,403,288	571	57
2018	5,376,103	607	69
2019	898,038	478	30

GG	lb	Acct	% quota
2010	916,034	706	65
2011	109,780	531	26
2012	41,981	425	7
2013	128,169	467	18
2014	145,486	418	17
2015	384,151	519	41
2016	162,234	463	17
2017	495,728	556	53
2018	487,166	573	52
2019	467,614	503	50

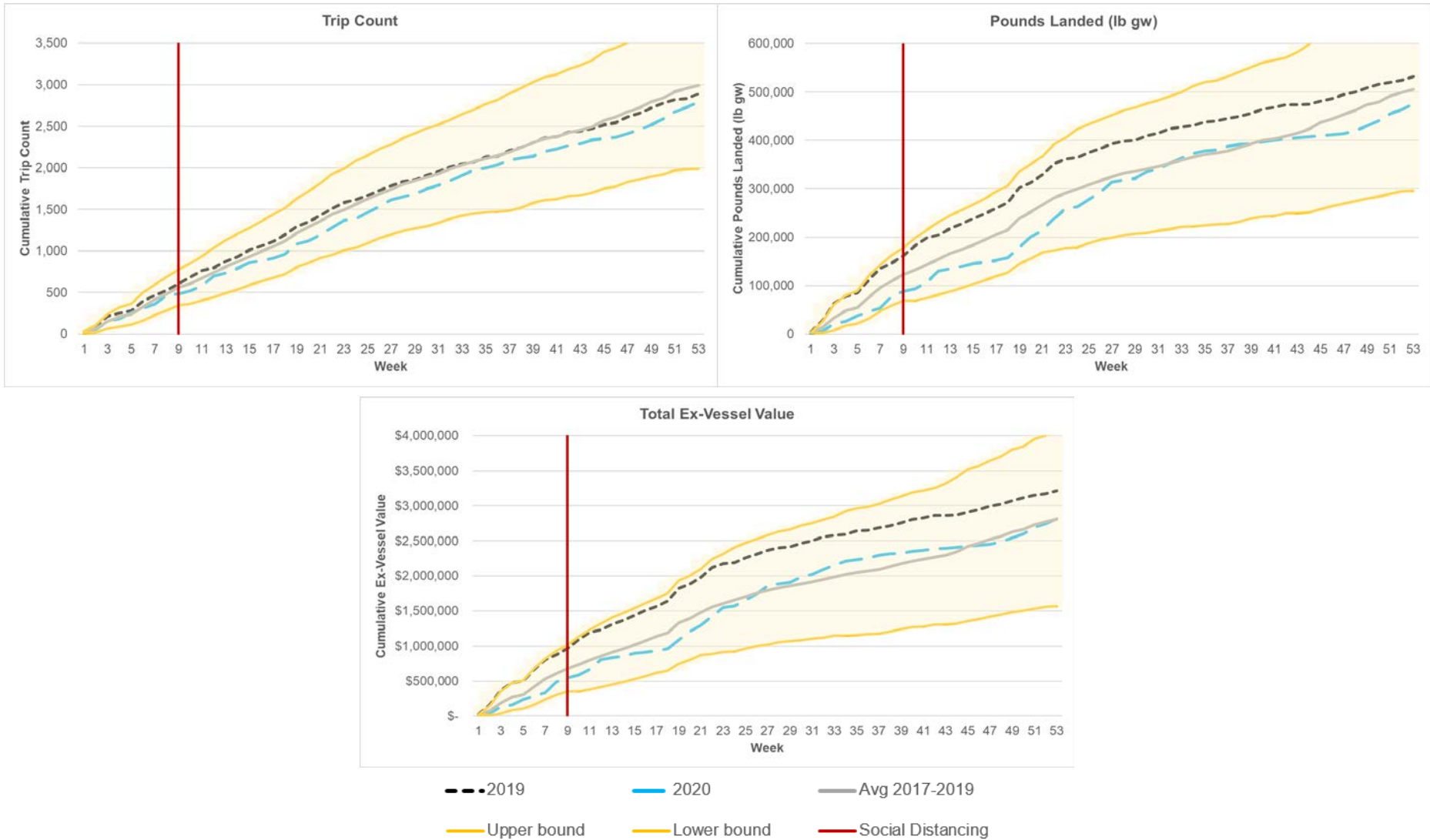
Red Snapper



- - - 2019 — 2020 — Avg 2017-2019
 — Upper bound — Lower bound — Social Distancing

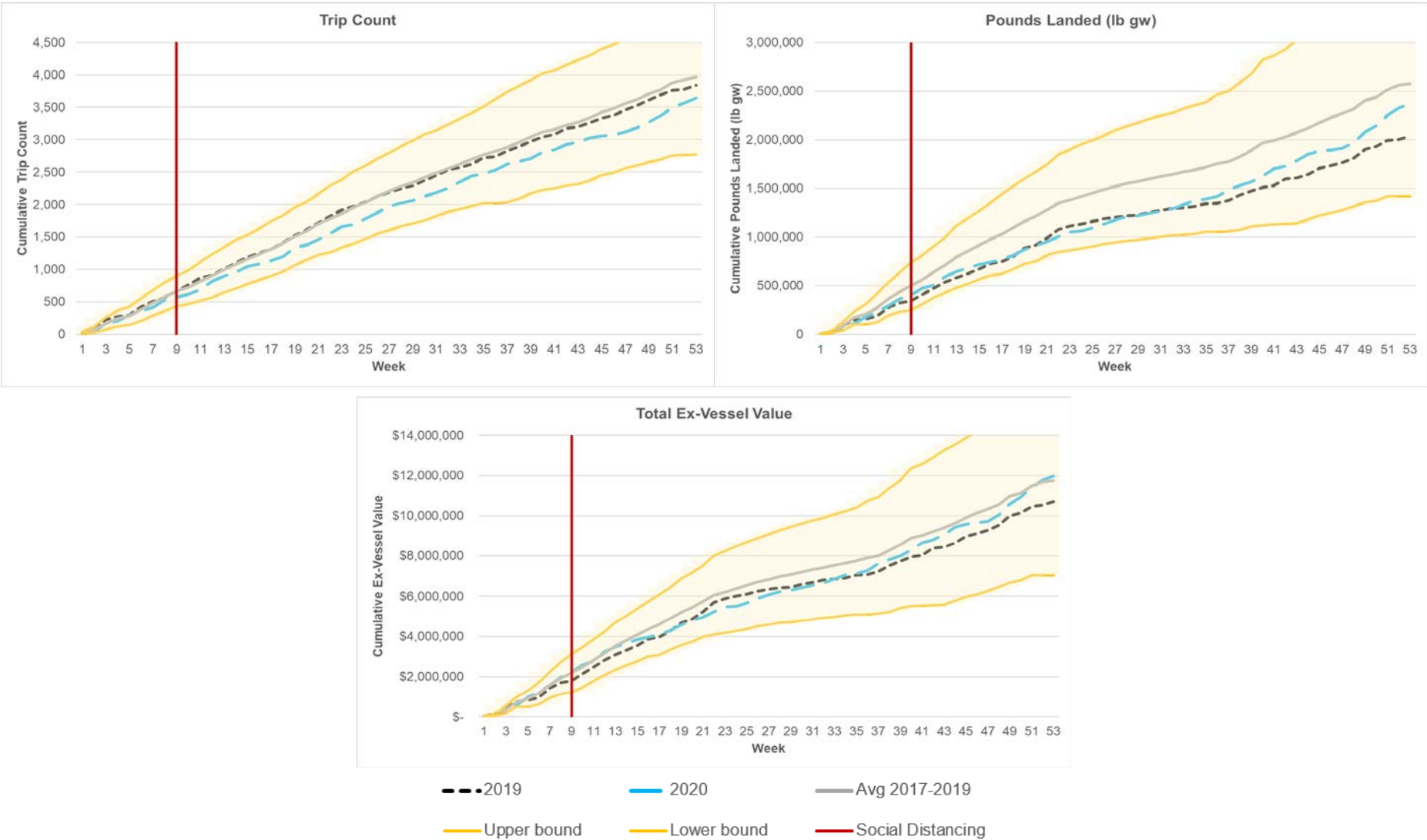
Note: Landings transactions are used as a proxy for trip count. One standard deviation is shown in yellow based on the averaged weekly data from 2017-2019. Social distancing measures were in place starting Week 9.

Gag



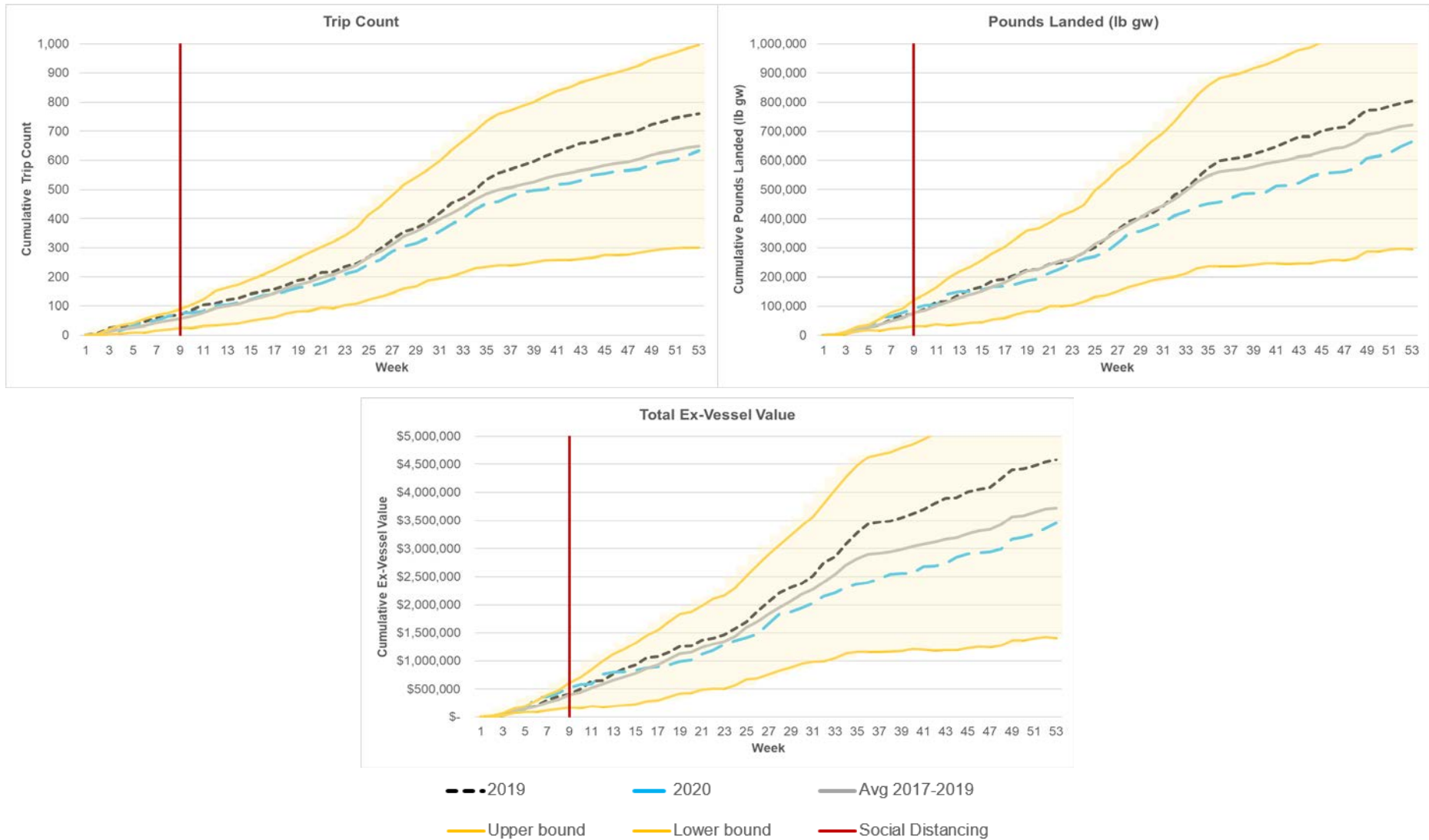
Note: Landings transactions are used as a proxy for trip count. One standard deviation is shown in yellow based on the averaged weekly data from 2017-2019. Social distancing measures were in place starting Week 9.

Red Grouper



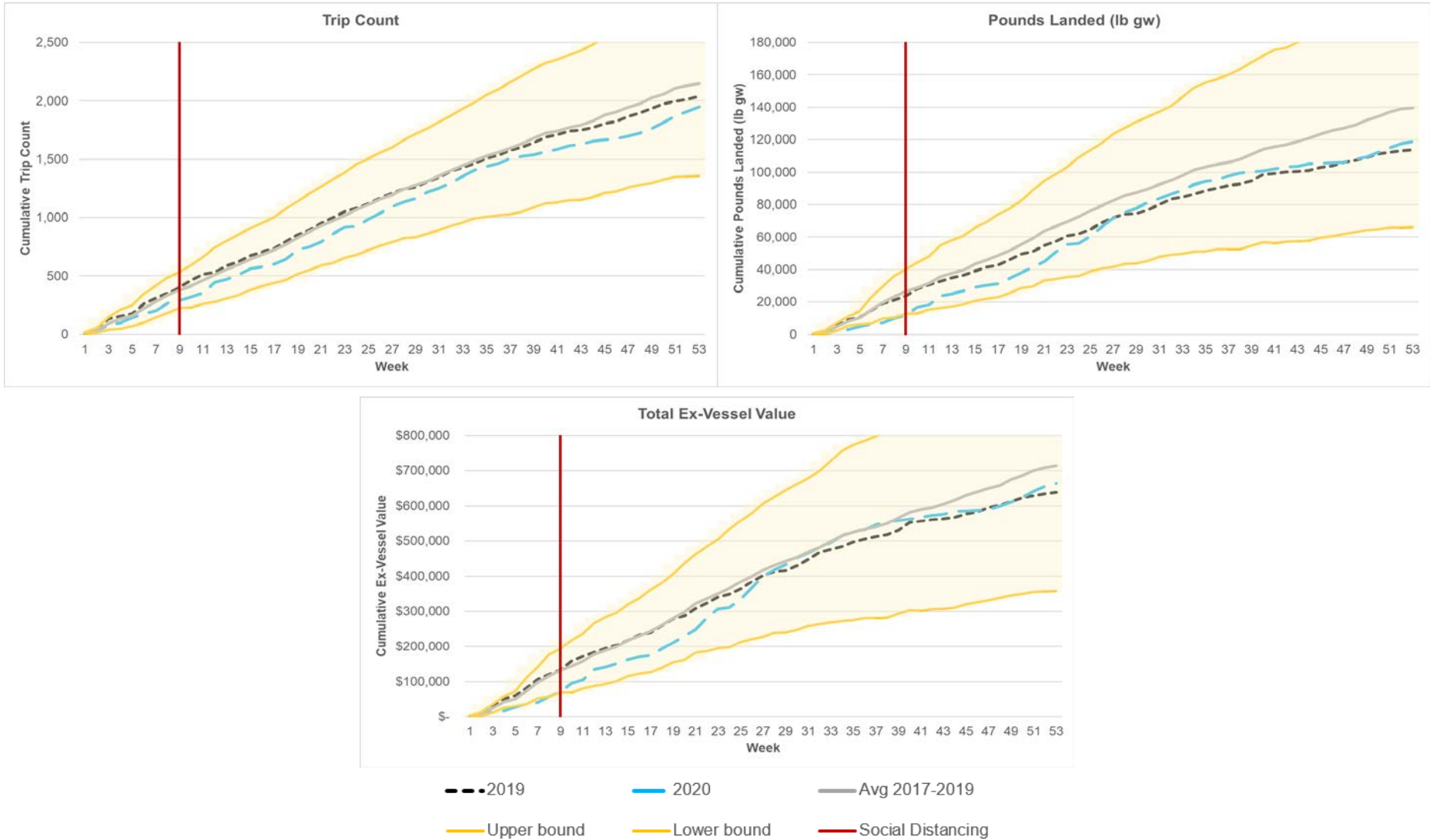
Note: Landings transactions are used as a proxy for trip count. One standard deviation is shown in yellow based on the averaged weekly data from 2017-2019. Social distancing measures were in place starting Week 9.

Yellowedge Grouper (DWG)



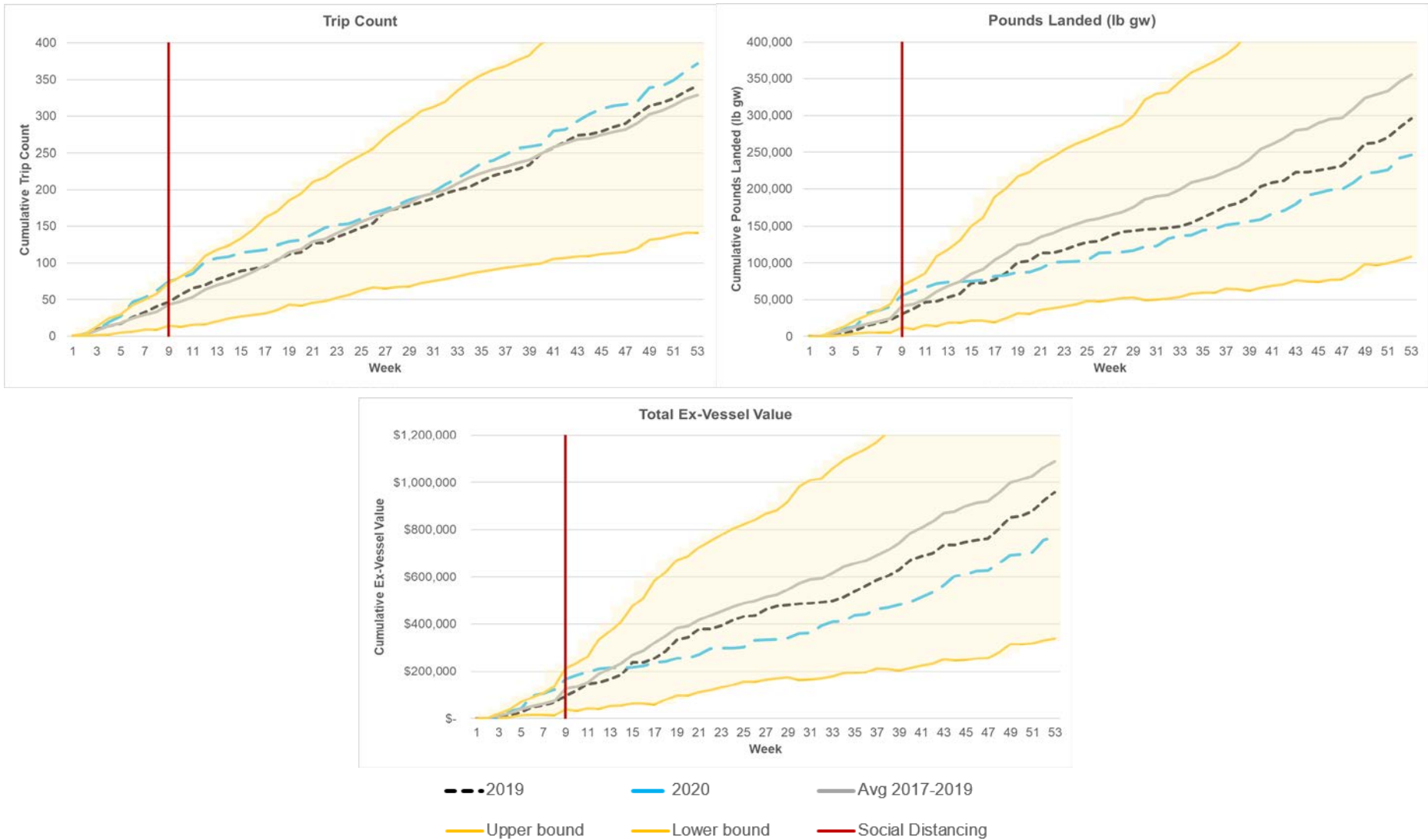
Note: Landings transactions are used as a proxy for trip count. One standard deviation is shown in yellow based on the averaged weekly data from 2017-2019. Social distancing measures were in place starting Week 9.

Scamp (SWG)



Note: Landings transactions are used as a proxy for trip count. One standard deviation is shown in yellow based on the averaged weekly data from 2017-2019. Social distancing measures were in place starting Week 9.

Golden Tilefish (TF)



Note: Landings transactions are used as a proxy for trip count. One standard deviation is shown in yellow based on the averaged weekly data from 2017-2019. Social distancing measures were in place starting Week 9.

2020 management values

Species	Commercial Quota	Commercial ACL	OFL -ABC	Pounds Landed	Percent Pounds Landed
Red snapper (lb ww)	7.701 mp	7.701 mp	0.400 mp	7.627 mp	90.0%
Red snapper (lb gw)	6.937 mp	6.937 mp	0.360 mp	6.870 mp	90.0%
Red grouper (lb gw)	3.000 mp	3.16 mp	0.240 mp	2.368 mp	78.9%
Gag (lb gw)	0.939 mp	1.217 mp	3.65 mp	0.476 mp	50.7%

Note that buffer between the OFL and ABC is for all sectors combined.

Important numbers for carry over consideration

Red Snapper (whole weight)

Year	Commercial quota (lb ww)	Commercial ACL (lb ww)	OFL -ABC (lb ww)	Note
2017	7.007 mp	7.007 mp	1.060 mp	Note that buffer between the OFL and ABC is for all sectors combined.
2018	7.007 mp	7.007 mp	1.060 mp	
2019	7.701 mp	7.701 mp	0.400 mp	
2020	7.701 mp	7.701 mp	0.400 mp	

Red Snapper (gutted weight)

Year	Commercial quota (lb gw)	Commercial ACL (lb gw)	OFL -ABC (lb gw)	Note
2017	6.312 mp	6.312 mp	0.955 mp	Note that buffer between the OFL and ABC is for all sectors combined.
2018	6.312 mp	6.312 mp	0.955 mp	
2019	6.937 mp	6.937 mp	0.360 mp	
2020	6.937 mp	6.937 mp	0.360 mp	



Important numbers for carry over consideration

Red Grouper (gutted weight)

Year	Commercial quota (lb ww)	Commercial ACL (lb ww)	OFL -ABC (lb ww)	Note
2017	7.780 mp	8.19 mp	0.240 mp	Note that buffer between the OFL and ABC is for all sectors combined.
2018	7.780 mp	8.19 mp	0.240 mp	
2019	3.000 mp	3.16 mp	0.240 mp	
2020	3.000 mp	3.16 mp	0.240 mp	

Gag (gutted weight)

Year	Commercial quota (lb gw)	Commercial ACL (lb gw)	OFL -ABC (lb gw)	Note
2017	0.939 mp	1.217 mp	3.65 mp	Note that buffer between the OFL and ABC is for all sectors combined.
2018	0.939 mp	1.217 mp	3.65 mp	
2019	0.939 mp	1.217 mp	3.65 mp	
2020	0.939 mp	1.217 mp	3.65 mp	