

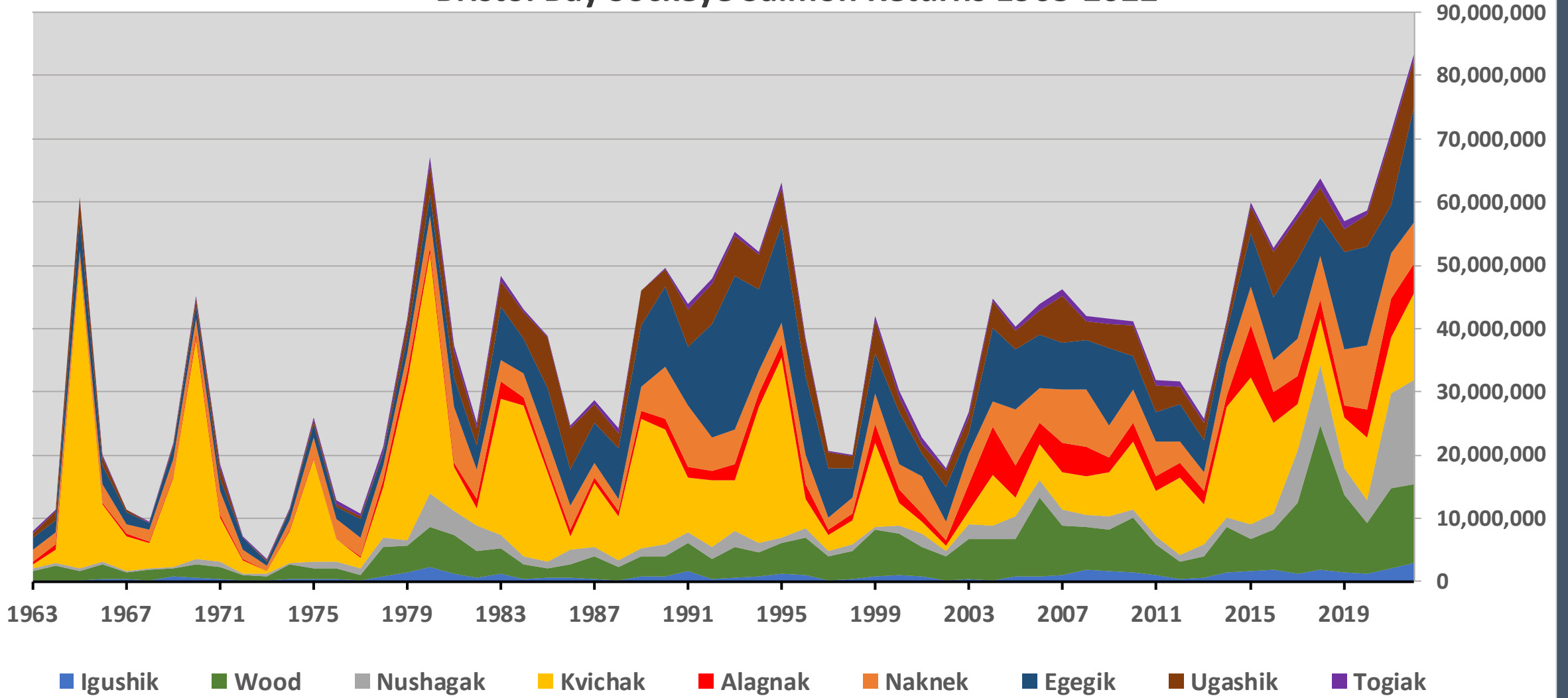
## 2023 UW-FRI Bristol Bay Sockeye Salmon Preseason Forecast

RIVER	AGES				TOTAL
	1.2	1.3	2.2	2.3	
<b>Kvichak</b>	1.90	5.50	0.57	0.50	8.47
<b>Naknek</b>	2.69	2.25	0.56	0.42	5.92
<b>Alagnak</b>	1.53	1.58	0.12	0.21	3.44
<b>Egegik</b>	2.00	6.20	1.53	1.83	11.56
<b>Ugashik</b>	1.18	1.30	0.40	0.28	3.16
<b>Wood</b>	5.24	2.70	0.08	0.28	8.30
<b>Nushagak</b>	0.80	5.40	0.07	0.16	6.64
<b>Igushik</b>	0.61	1.26	0.01	0.01	1.89
<b>Togiak</b>	0.11	0.47	0.01	0.01	0.60
<b>TOTALS</b>	<b>16.06</b>	<b>26.66</b>	<b>3.35</b>	<b>3.70</b>	<b>49.98</b>

**MILLIONS OF FISH**

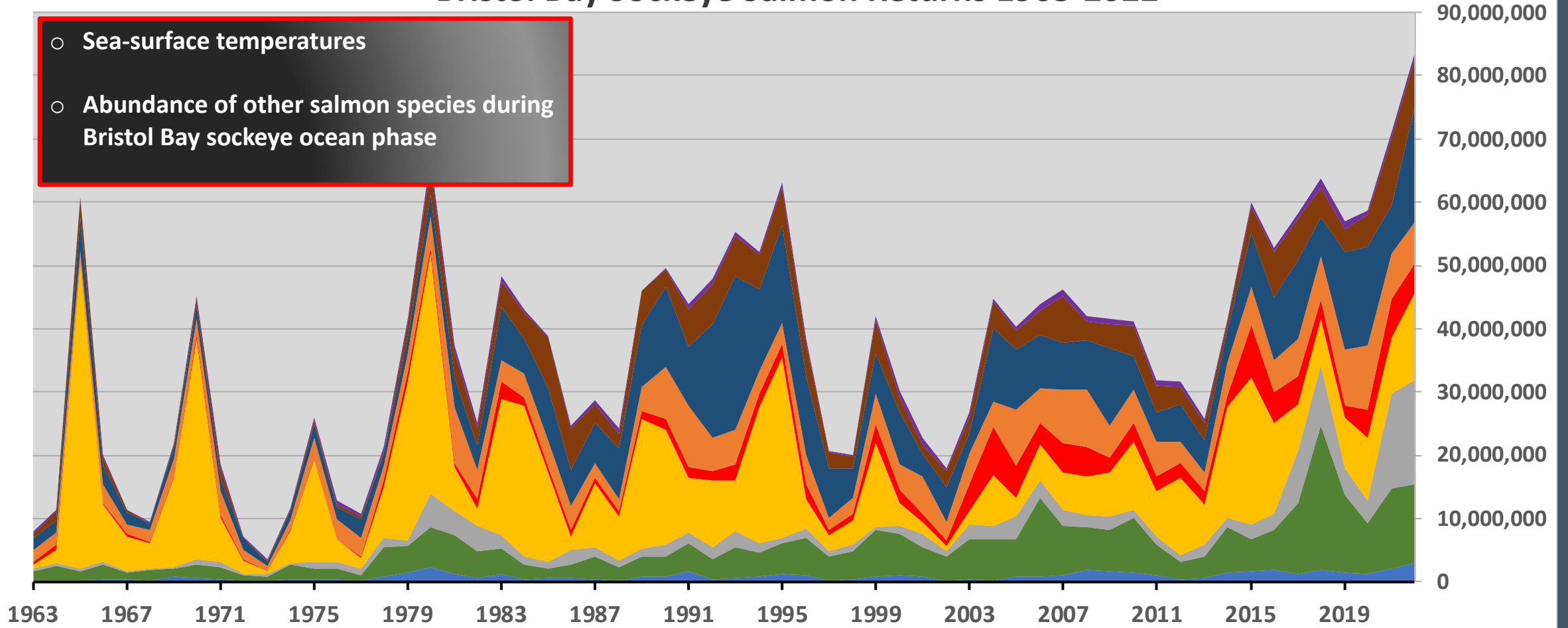
Curry Cunningham  
Chris Boatright

# Bristol Bay Sockeye Salmon Returns 1963-2022



# Bristol Bay Sockeye Salmon Returns 1963-2022

- Sea-surface temperatures
- Abundance of other salmon species during Bristol Bay sockeye ocean phase



Igushik Wood Nushagak Kvichak Alagnak Naknek Egegik Ugashik Togiak

# 2023 UW-FRI Preseason Forecast

RIVER	AGES				TOTAL	ESCAPEMENT	Estimated S. PEN CATCH	Inshore HARVEST
	1.2	1.3	2.2	2.3				
Kvichak	1.90	5.50	0.57	0.50	8.47	3.98	0.25	4.23
Naknek	2.69	2.25	0.56	0.42	5.92	1.70	0.18	4.04
Alagnak	1.53	1.58	0.12	0.21	3.44	1.62	0.10	1.71
Egegik	2.00	6.20	1.53	1.83	11.56	1.50	0.35	9.71
Ugashik	1.18	1.30	0.40	0.28	3.16	0.95	0.10	2.11
Wood	5.24	2.70	0.08	0.28	8.30	1.80	0.25	6.26
Nushagak	0.80	5.40	0.07	0.16	6.64	1.50	0.20	4.95
Igushik	0.61	1.26	0.01	0.01	1.89	0.28	0.05	1.56
Togiak	0.11	0.47	0.01	0.01	0.60	0.20	0.02	0.38
<b>TOTALS</b>	<b>16.06</b>	<b>26.66</b>	<b>3.35</b>	<b>3.70</b>	<b>49.98</b>	<b>13.53</b>	<b>1.50</b>	<b>34.95</b>

millions of sockeye

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Egegik	2.00	6.20	1.53	1.83	11.56	1.50	0.35	9.71
Ugashik	1.18	1.30	0.40	0.28	3.16	0.95	0.10	2.11
Wood	5.24	2.70	0.08	0.28	8.30	1.80	0.25	6.26
Nushagak	0.80	5.40	0.07	0.16	6.64	1.50	0.20	4.95
Igushik	0.61	1.26	0.01	0.01	1.89	0.28	0.05	1.56
Togiak	0.11	0.47	0.01	0.01	0.60	0.20	0.02	0.38
<b>TOTALS</b>	<b>16.06</b>	<b>26.66</b>	<b>3.35</b>	<b>3.70</b>	<b>49.98</b>	<b>13.53</b>	<b>1.50</b>	<b>34.95</b>

2-ocean 39%

3-ocean 61%

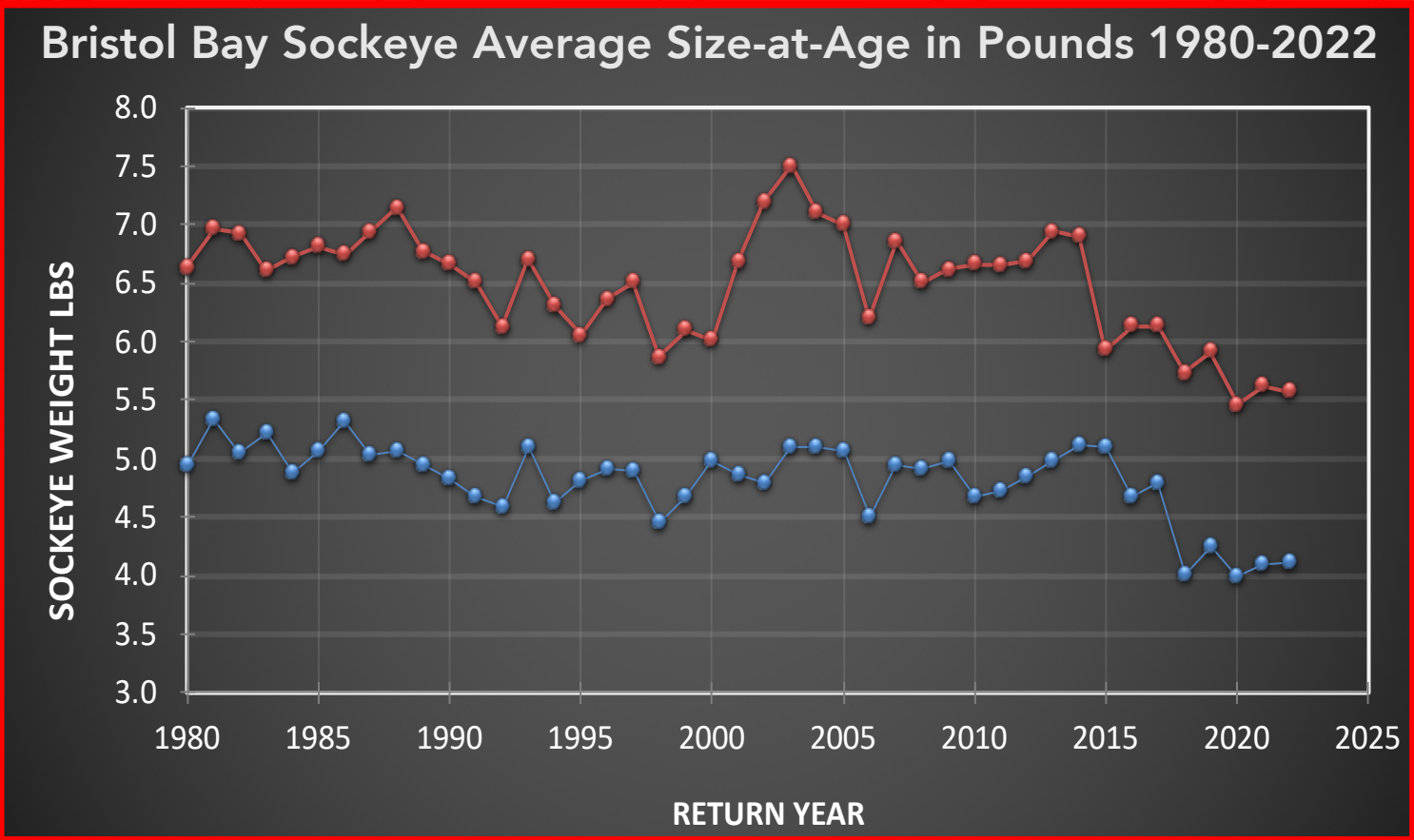
# 2023 Preseason Bristol Bay Sockeye Forecast in Pounds

DISTRICT	AGES				Inshore Harvest	
	1.2	1.3	2.2	2.3	lbs	no. of fish
Nak\Kvi	16.31	31.44	3.33	4.00	<b>55.08</b>	9.98
Egegik	7.74	32.29	5.91	9.53	<b>55.47</b>	9.71
Ugashik	3.64	5.41	1.24	1.17	<b>11.46</b>	2.11
Nushagak	23.20	43.68	0.56	2.06	<b>70.78</b>	12.77
Togiak	0.34	1.87	0.04	0.01	<b>2.26</b>	0.38
<b>Totals</b>	<b>51.23</b>	<b>114.69</b>	<b>11.08</b>	<b>16.77</b>	<b>195.05</b>	<b>34.95</b>

millions of lbs

# 2023 Preseason Bristol Bay Sockeye Forecast in Pounds

DISTR	AGES		Inshore Harvest	
	lbs	no. of fish	lbs	no. of fish
Nakv	<b>55.08</b>	9.98		
Ege	<b>55.47</b>	9.71		
Ugas	<b>11.46</b>	2.11		
Nusha	<b>70.78</b>	12.77		
Togi	<b>2.26</b>	0.38		
<b>Total</b>	<b>195.05</b>	<b>34.95</b>		

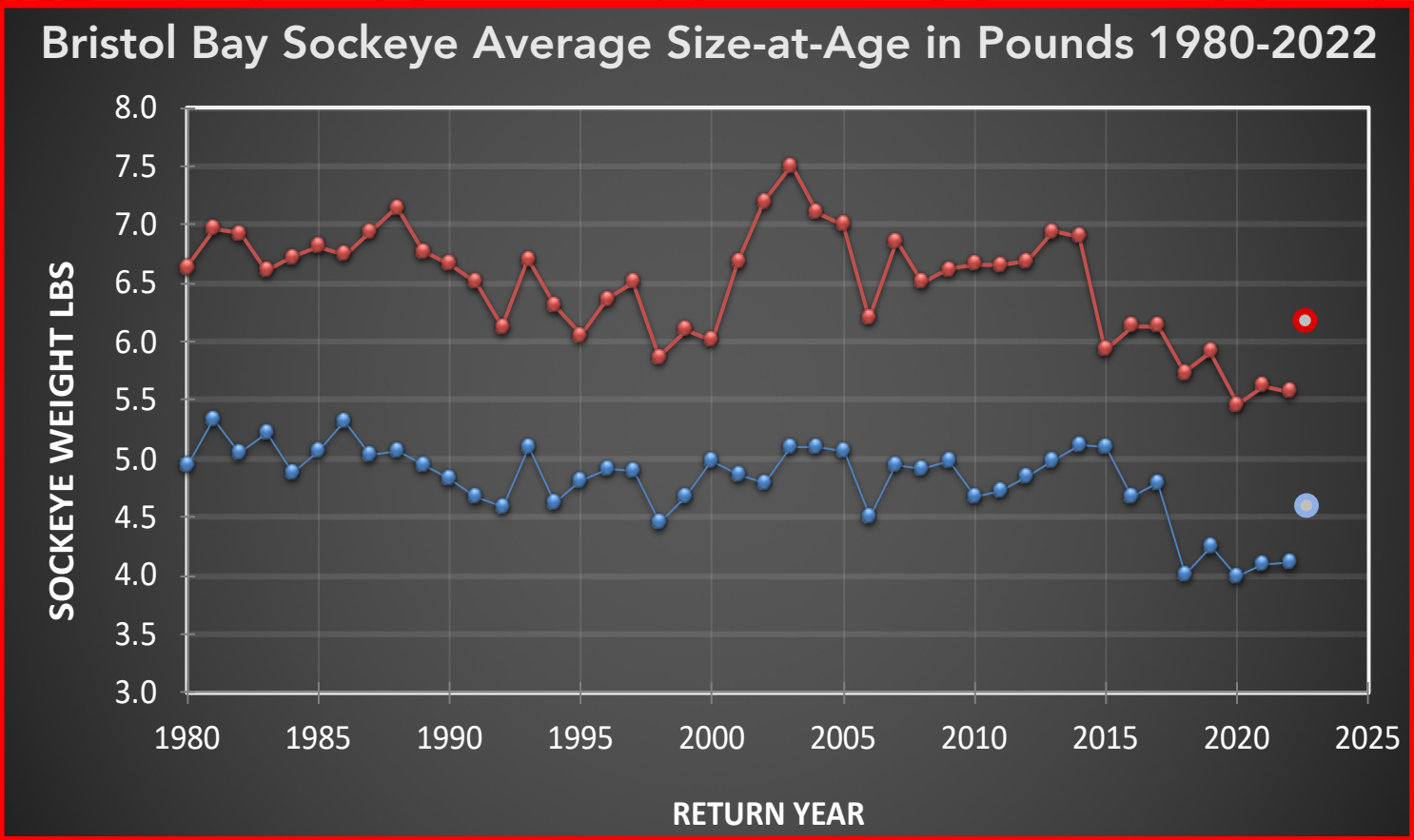


2-ocean: 4.6 lbs

3-ocean: 6.2 lbs

# 2023 Preseason Bristol Bay Sockeye Forecast in Pounds

DISTR	AGES	Inshore Harvest	
		lbs	no. of fish
Nakv		<b>55.08</b>	9.98
Ege		<b>55.47</b>	9.71
Ugas		<b>11.46</b>	2.11
Nusha		<b>70.78</b>	12.77
Togi		<b>2.26</b>	0.38
<b>Total</b>		<b>195.05</b>	<b>34.95</b>



2-ocean: 4.6 lbs

3-ocean: 6.2 lbs

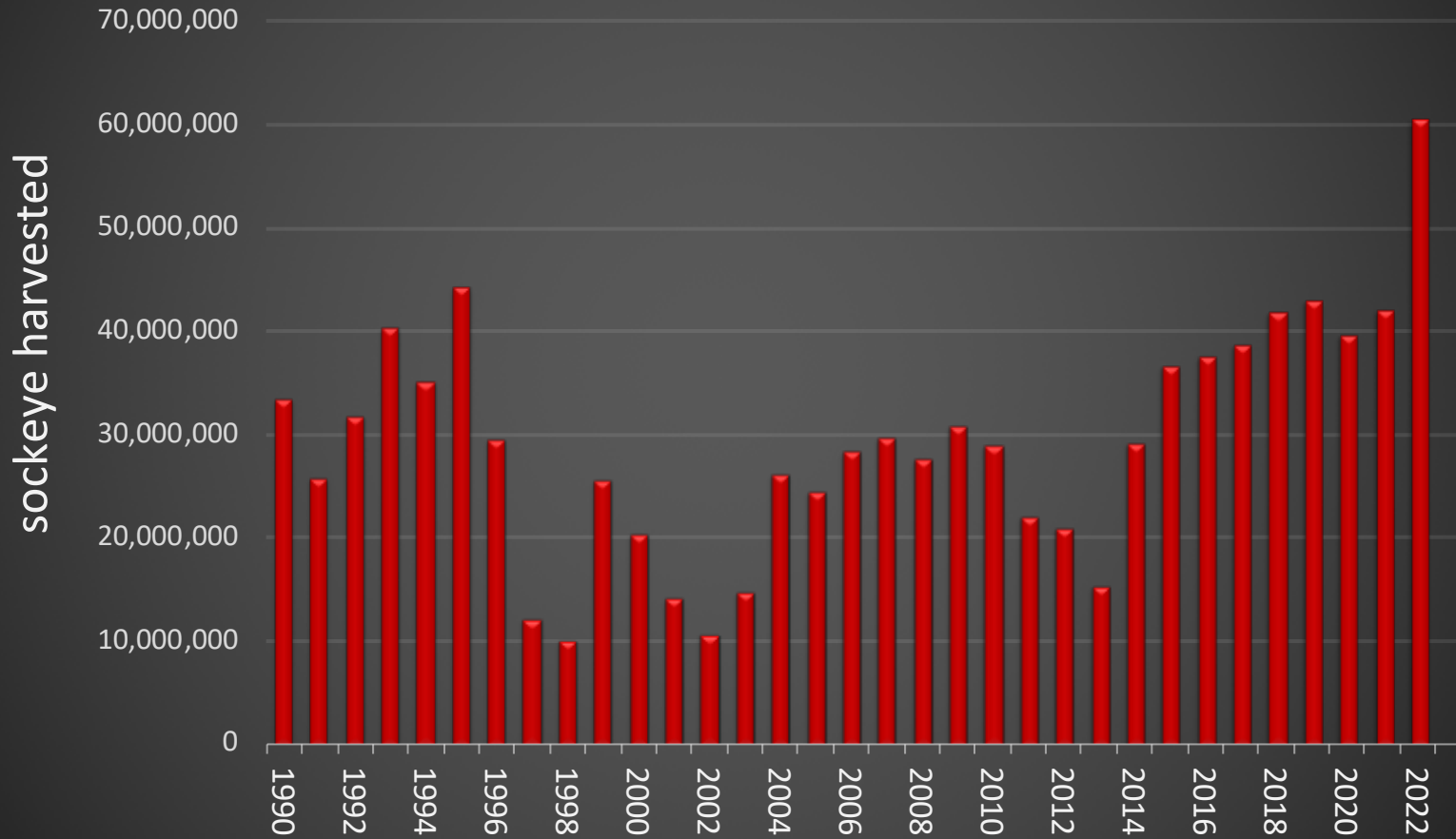


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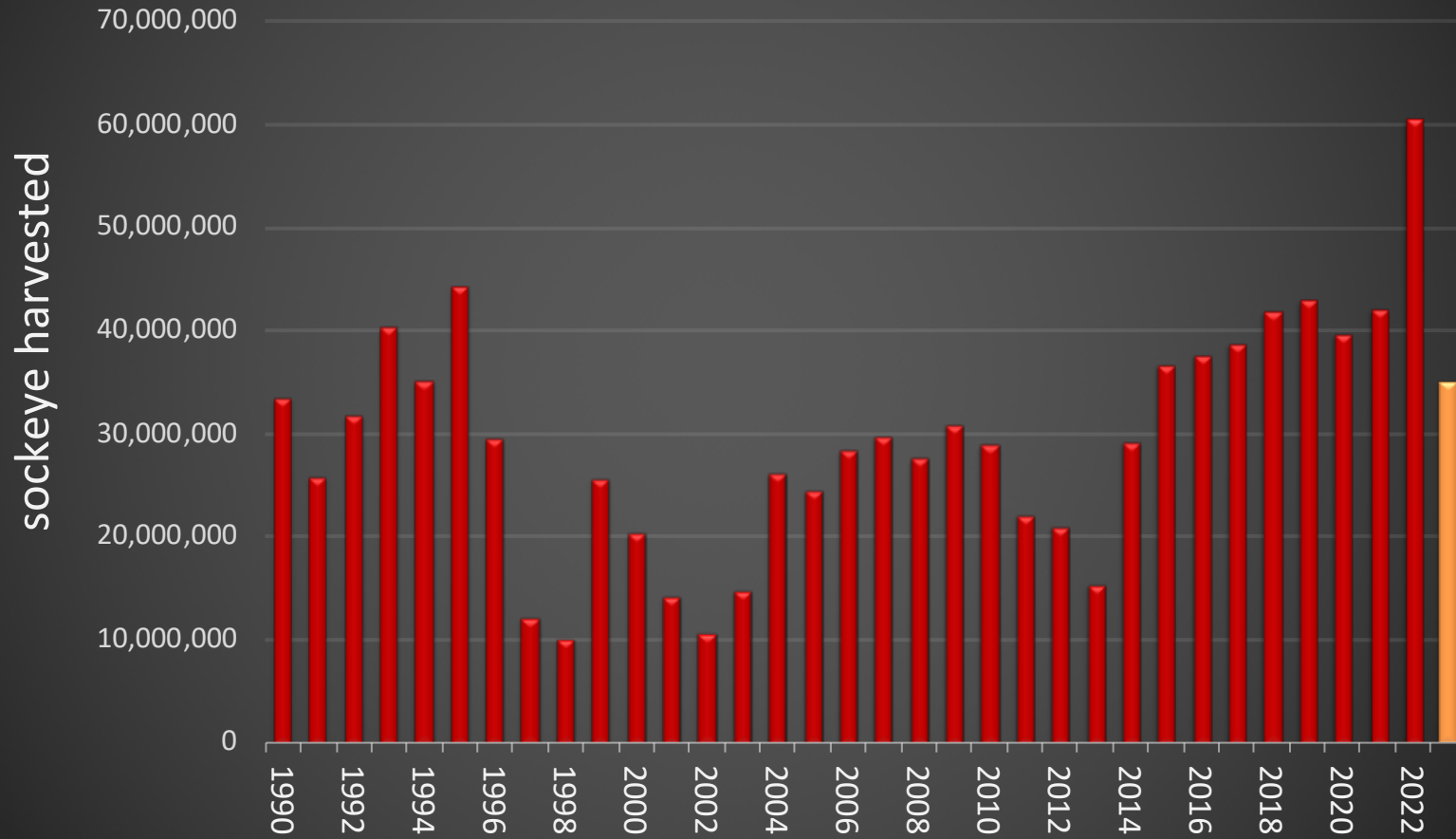
Bristol Bay Sockeye Salmon Commercial Catch in Numbers of Fish



Inshore Harvest	
lbs	no. of fish
55.08	9.98
55.47	9.71
11.46	2.11
70.78	12.77
2.26	0.38
<b>195.05</b>	<b>34.95</b>

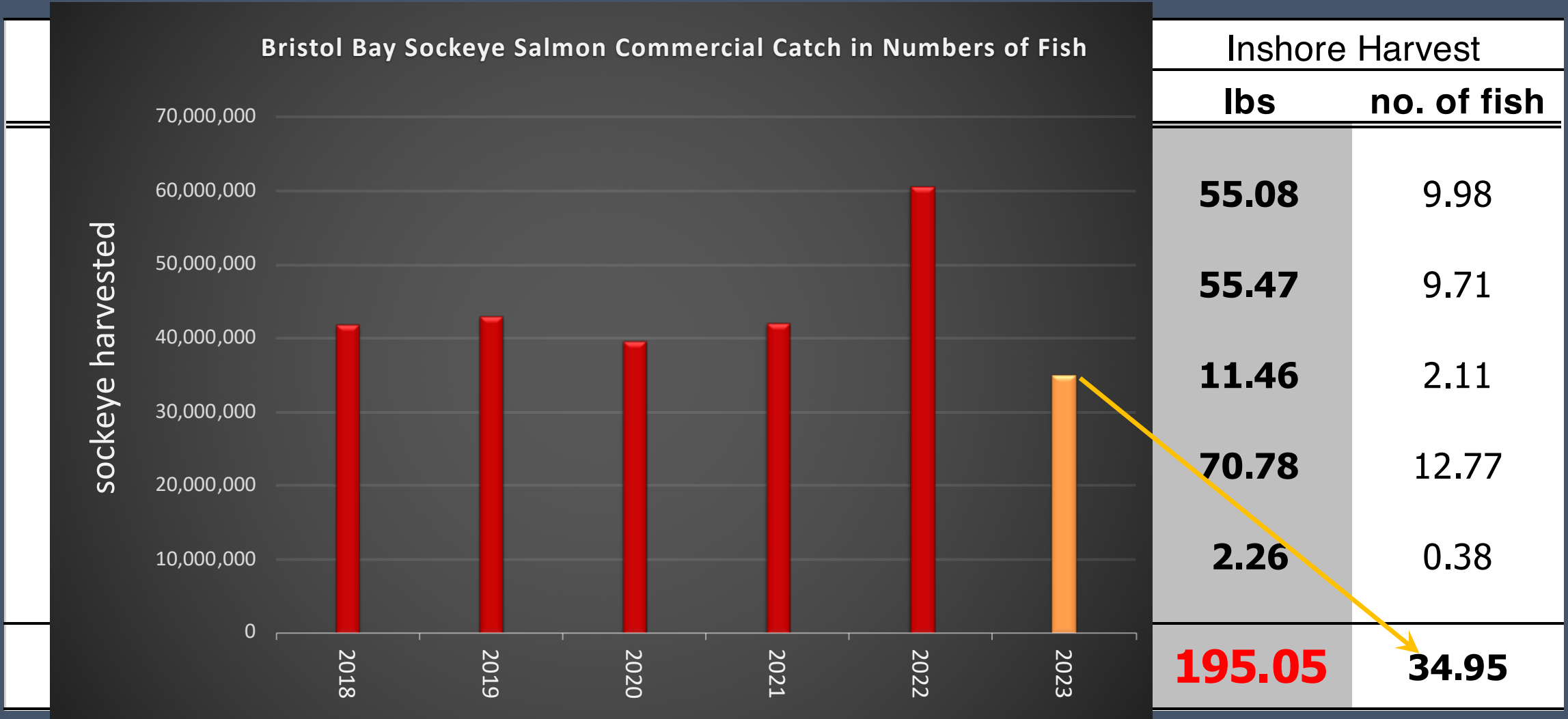
# 2023 Preseason Bristol Bay Sockeye Forecast in Pounds

Bristol Bay Sockeye Salmon Commercial Catch in Numbers of Fish

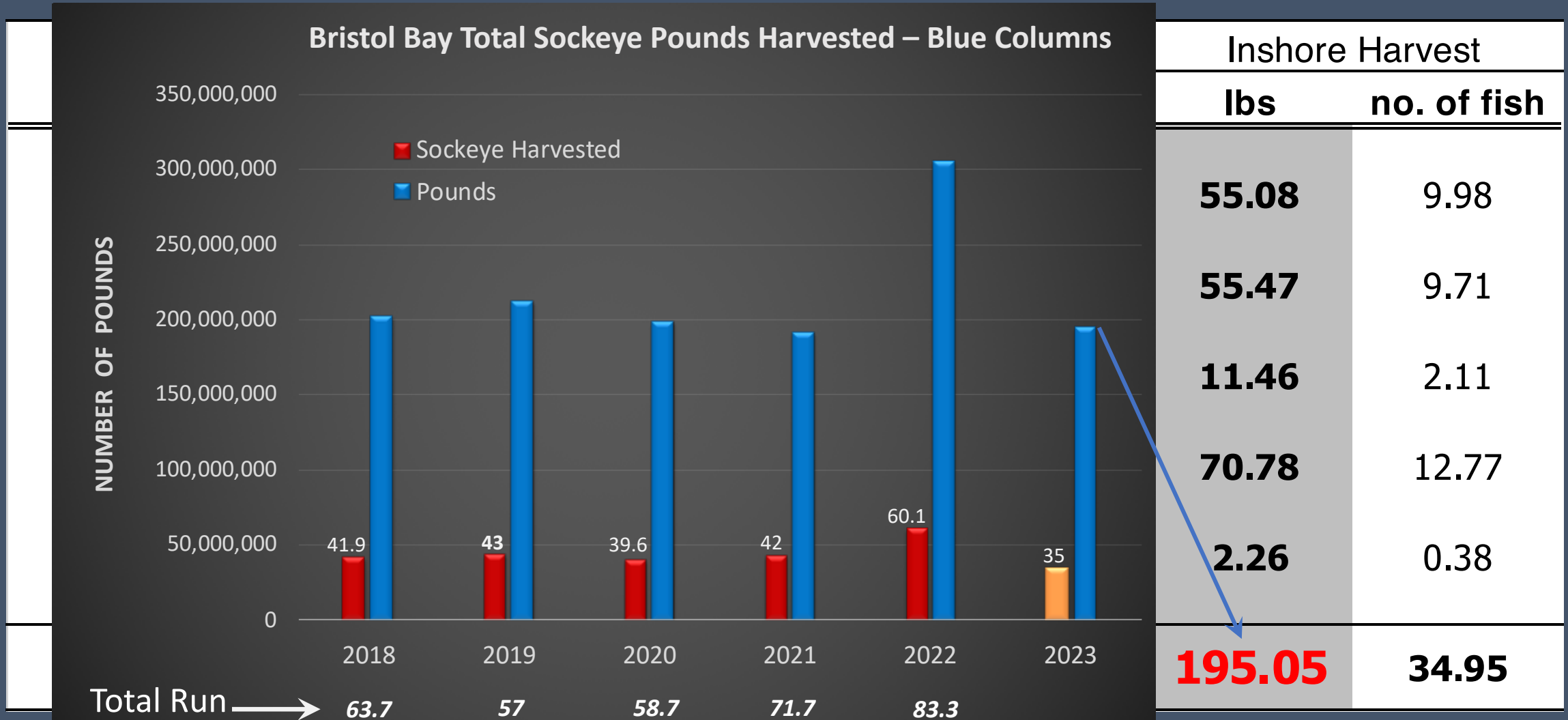


Inshore Harvest	
lbs	no. of fish
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11.46	2.11
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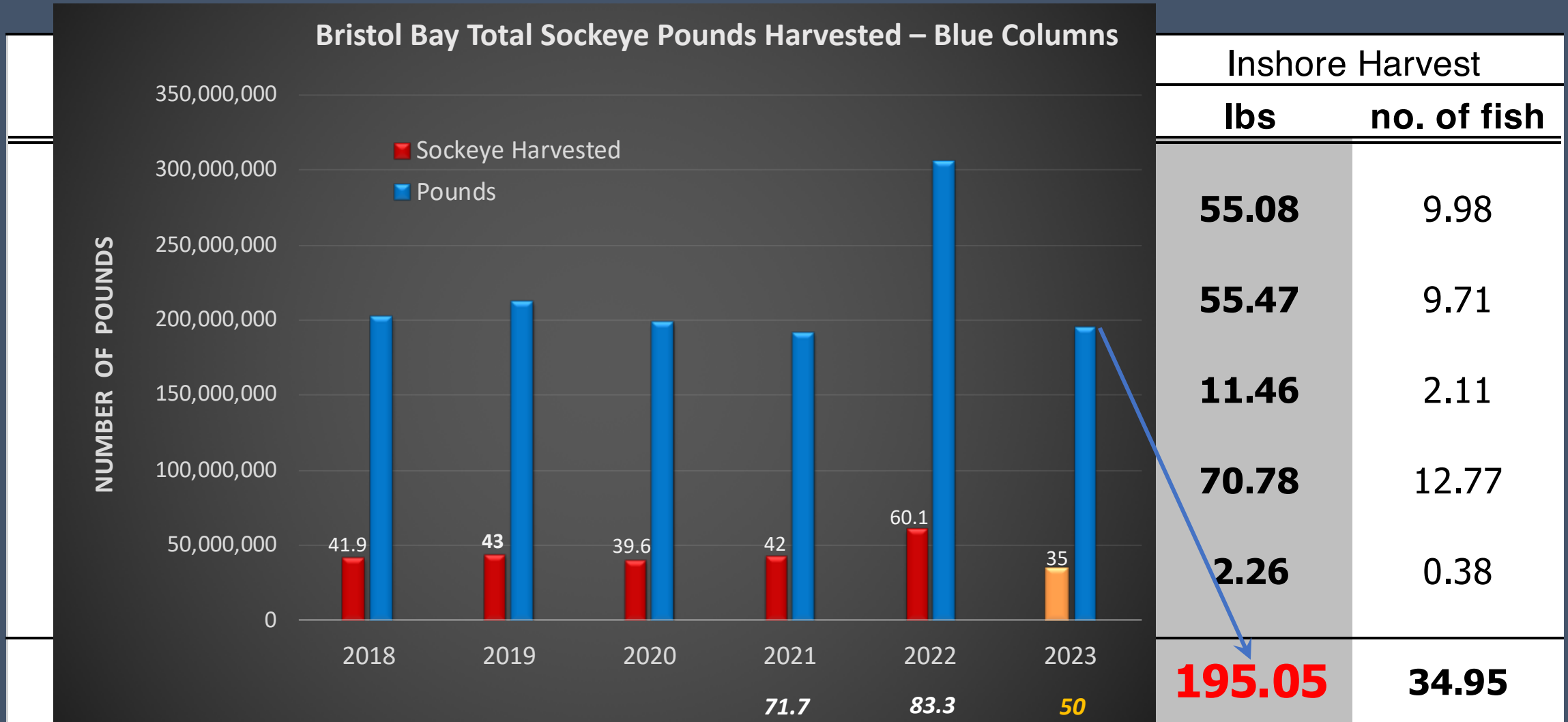
# 2023 Preseason Bristol Bay Sockeye Forecast in Pounds



# 2023 Preseason Bristol Bay Sockeye Forecast in Pounds



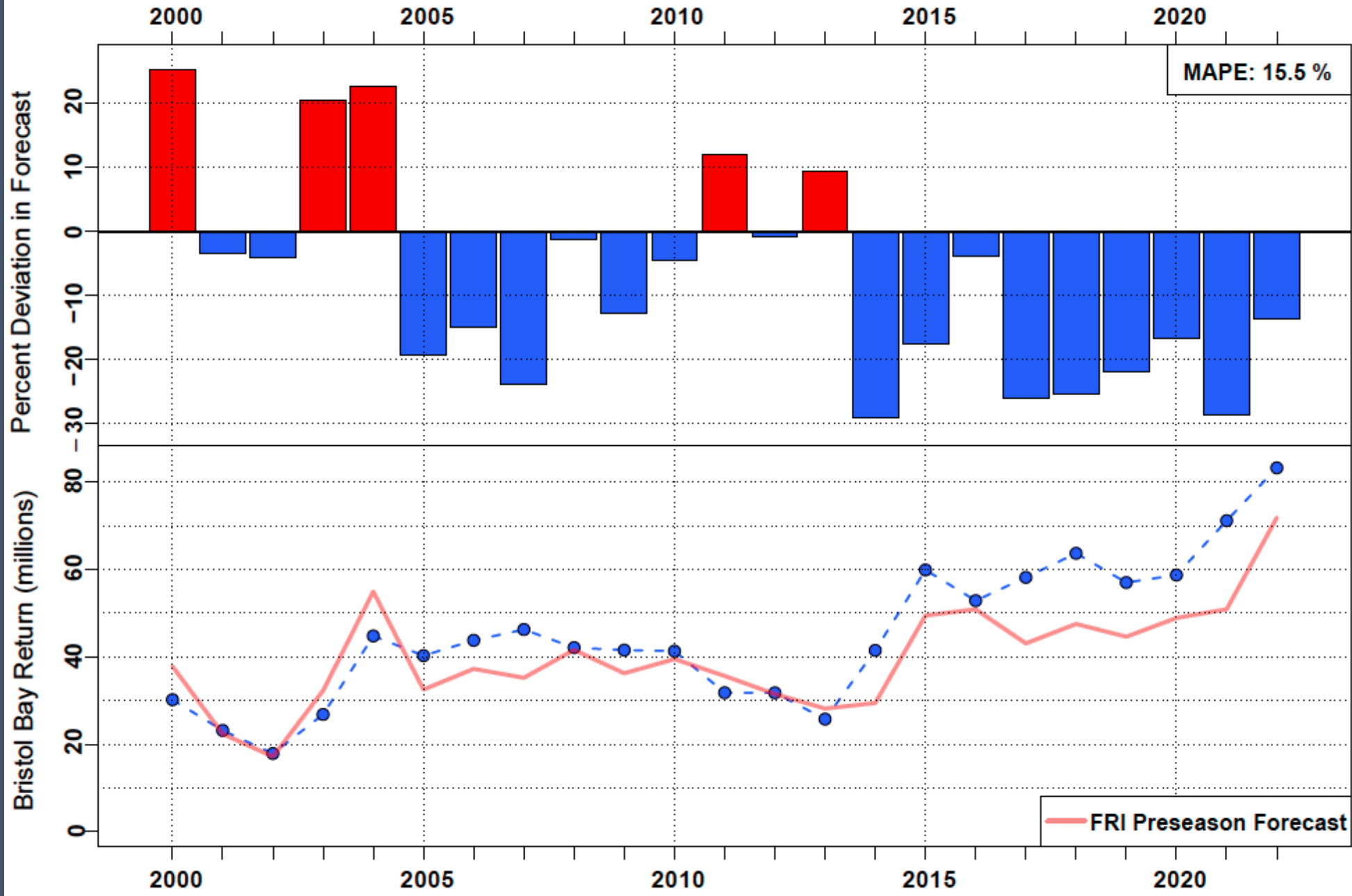
# 2023 Preseason Bristol Bay Sockeye Forecast in Pounds



Sockeye weight lbs **4.1 & 5.6** **4.6 & 6.2**

**.31** **.61** % 3-ocean

Return Year



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millions of sockeye





Photo: J. Ching