Douglas Island Pink and Chum, Inc.

2020 Returns & 2021 Forecast

updated 12/3/2020

2020 RETURNS, CONTRIBUTION, COST RECOVERY, & 2021 FORECAST

Chum: 2020 Return Summary

	Common Property Contribution	Cost Recovery Harvest	Hatchery Broodstock	Total Return
Cumulative Totals	425,300	204,500	161,600	791,400
Projected Return	1,027,000	440,100	190,000	1,657,000
Percent of Projection	41%	46%	85%	48%

Chum: 2020 Return Summary by District & Age

DISTRICT	AGE-3	AGE-4	AGE-5	AGE-6	TOTAL
Taku/Stephens	67,800	202,600	24,100	1,200	**295,700**
Lynn Canal/Amalga	110,700	306,000	73,000	6,000	**496,000**
	178,500	**508,600**	**97,200**	**7,200**	**791,000**
Projected:	52,800	1,213,000	367,600	23,600	1,657,000
Percent of Projection	338%	42%	26%	30%	48%

Chum: 2020 Harvest Summary

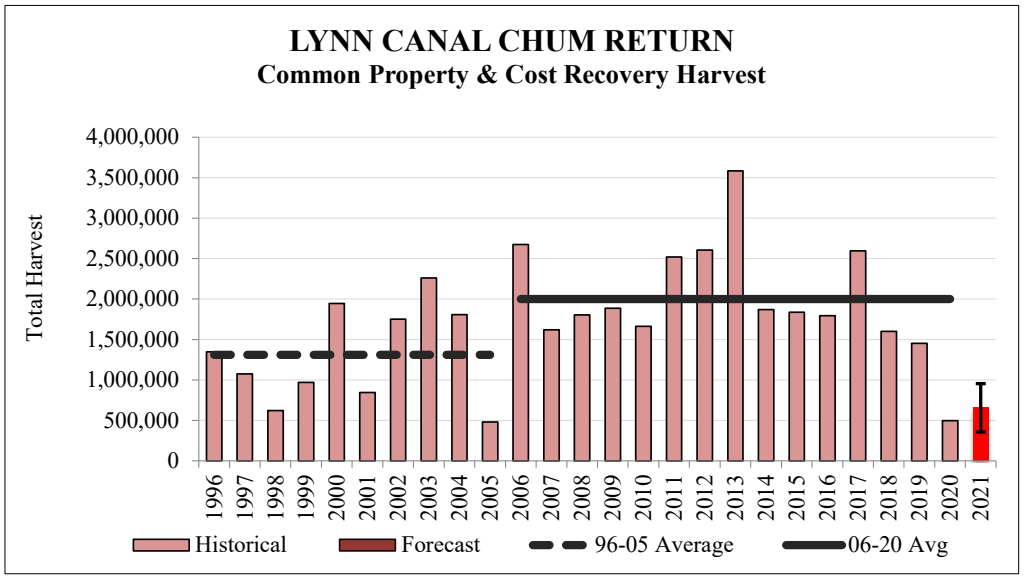
FISHERY	Property Harvest	DIPAC Contribution	% DIPAC Contribution	Cost Recovery	Total Harvest
Lynn Canal Gillnet	315,000	310,000	99%	204,100	515,000
Taku/Stephens Gillnet	109,000	106,700	98%	400	107,000
Homeshore Troll	12	9	73%		9
Amalga CP Seine	0	0	0%		0
Misc. SEAK	2,600	2,600	63%		5,100
Other Seine	8,200	5,100	100%		2,600
Sport		500			500
Brood & Esc					161,600
Total	**435,000**	**425,000**		**204,500**	**791,000**

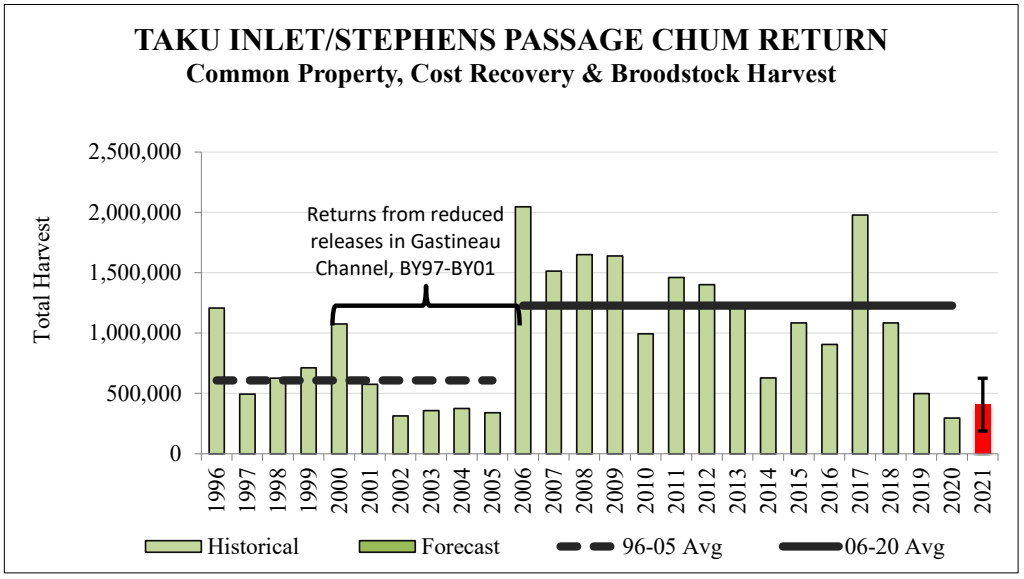
Chum: 2021 Forecast Summary By District

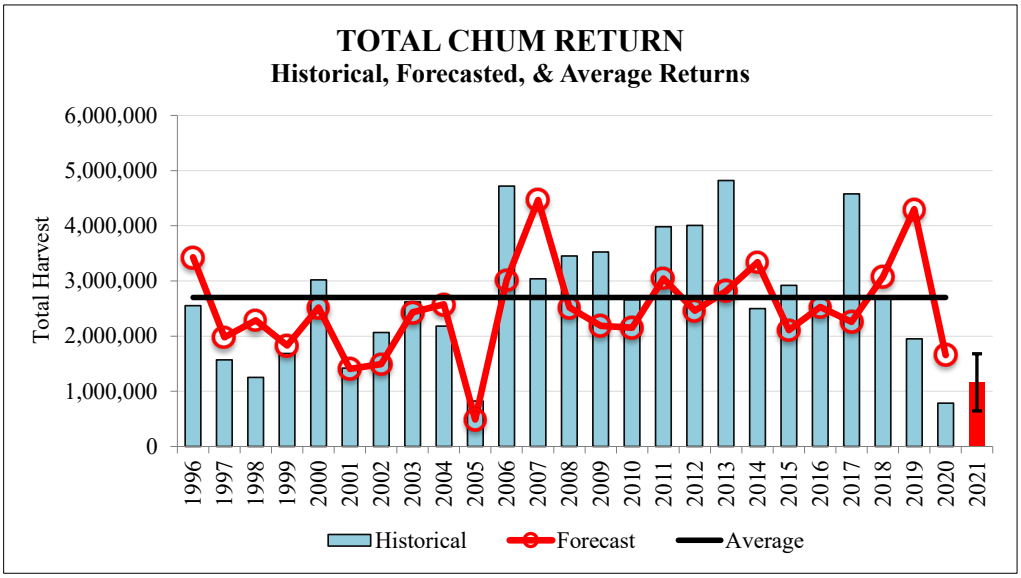
	PROJECTED RETURN			HARVEST SHARES	
DISTRICT	LOW	MID-POINT	HIGH	COM. PROP.	CR FISH
Taku/Stephens	188,400	407,300	626,100	216,200	1,000
Lynn Canal/Amalga	356,400	656,000	955,000	394,800	260,900
	545,000	**1,063,000**	**1,581,000**	**611,000**	**261,900**

Chum: 2021 Forecast Age Composition Summary

BROOD YEAR	AGE	% by AGE	FISH	CP Harvest	CR Harvest	Broodstock
2015	6	1%	5,900	3,300	1,000	1,600
2016	5	6%	66,100	38,200	17,600	10,300
2017	4	85%	909,000	521,800	220,900	165,900
2018	3	8%	82,300	47,700	22,400	12,200
			1,063,000	**611,000**	**261,900**	**190,000**


LYNN CANAL CHUM RETURN
Common Property & Cost Recovery Harvest
Total Harvest
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021
Historical
Forecast
96-05 Average
06-20 Avg


TAKU INLET/STEPHENS PASSAGE CHUM RETURN
Common Property, Cost Recovery & Broodstock Harvest
Total Harvest
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
Returns from reduced releases in Gastineau Channel, BY97-BY01
1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021
Historical
Forecast
96-05 Avg
06-20 Avg


TOTAL CHUM RETURN
Historical, Forecasted, & Average Returns
Total Harvest
6,000,000
5,000,000
4,000,000
3,000,000
2,000,000
1,000,000
0
1996 1997 1998 1999 2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021
Historical
Forecast
Average

2020 RETURNS, CONTRIBUTION, COST RECOVERY, & 2021 FORECAST

Sockeye: 2020 Return Summary

	Common Property Contribution	Cost Recovery Harvest	Hatchery Broodstock	Total Return
Cumulative Totals	30,500	72,100	6,600	109,600
Projected Return*	111,100	108,000	6,800	225,900
Percent of Projection	27%	67%	97%	49%

*Includes projections for hatchery smolt & Sweetheart Lake fry programs.
*Excess/unmarketable not shown but is summed into total

Sockeye: 2020 Harvest Summary

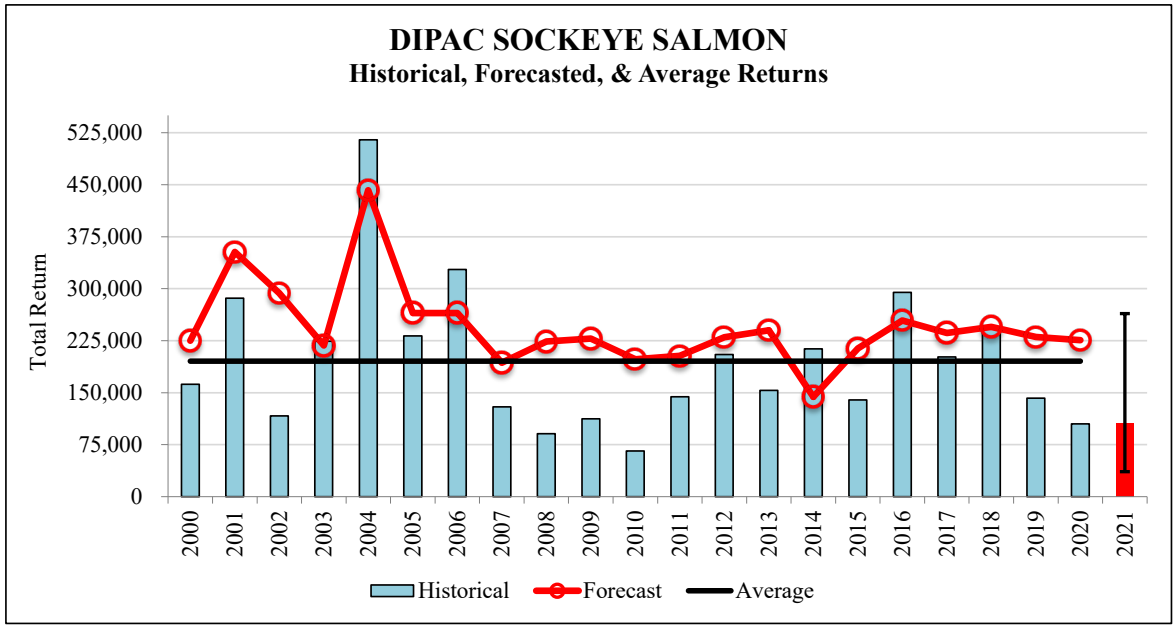
Fishery	CP Harvest	Total CP Contribution	Cost Recovery	Total Harvest*
District 11 Gillnet	28,200	16,400	72,100	88,600
Other Gillnet	60,000	9,700		9,700
Seine	1,300	300		300
Sport/Personal Use	4,100	4,100		4,100
Total	**93,500**	**30,500**	**72,100**	**109,600**

*does not include brood or excess

Sockeye: 2021 Forecast

Brood Year	Smolts Released	Age	% Age	Low	Mid	High
2016	8,965,000	5	93%	70,100	98,300	126,500
2017	646,000	4	7%	0	7,800	31,500
				70,100	**106,100**	158,000

Harvest Share Goal		**Average Harvest Share**	
70% Common Property:	69,500	52% Common Property:	50,400
30% Cost Recovery:	29,800	48% Cost Recovery:	49,000
Broodstock:	6,800	Broodstock:	6,800



2020 RETURNS, CONTRIBUTION, COST RECOVERY, & 2021 FORECAST

King: 2020 Return Summary

	Age-3	Age-4	Age-5	Age-6	Total Return
Gast. Ch. (MSH & Than	70	580	2,900	230	3,800
Fish Creek	60	520	1,400	100	2,100
Auke Bay	20	80	550	10	700
Lena Cove	50	0	1,060	0	1,100
Totals					

King: 2021 Forecast Age Compostion Summary (preliminary)

	[1]SMOLT RELEASED	Age-3	Age-4	Age-5	Age-6	Age-7	Total Return Forecast
Gast. Ch. (MSH & Than	1,644,000	0	160	1,100	230	10	1,500
Fish Creek	1,343,000	0	70	590	50	0	710
Auke Bay	354,000	0	20	230	40	0	290
Lena Cove	515,400	0	140	0	10	0	150
Totals							

[2]Forecast of Total Common Property Contribution: 1,500

[2]Forecast of Total Cost Recovery/Rack Return: 800

1 smolt released - the total smolt released for all brood years used in forecast

2 only includes ages 5 - 7

Coho: 2020 Harvest Summary

Brood Year	Smolt Released	Common Property Harvest[1]	Cost Recovery Harvest[2]	Total Return	Preseason Forecast	% of Forecast	2020 % M.S.
2017	1,068,000	20,900	13,300	35,500	40,000	89%	3.7%

Coho: 2021 Forecast

Brood Year	Smolt Released	Forecast	% M.S.
2018	998,000	44,000	4.4%

[1] Includes estimated sport catch of coho

[2] Includes Broodstock, Donations, and Excess