







2012 Sockeye Forecast- 'Long-term Productivity'

Stock Management Group	p10	p25	p50	p75	p90
Early Stuart (-RNT)	39,000	61,000	99,000	161,000	270,000
Early Summer	78,000	145,000	277,000	522,000	967,000
Summer (+RNT & Har)	580,000	917,000	1,585,000	2,776,000	4,808,000
Late (-Har)	46,000	80,000	158,000	304,000	589,000
Total Sockeye Salmon	743,000	1,203,000	2,119,000	3,763,000	6,634,000
Sockeye harvest would Likely to be harvest co ummer and Late Run s	d likely be dir Instraints bas Sockeye	ected on S ed on low	Summer rui predicted r	n sockeye returns of E	arly



Pre-season Planning-Harvest Opportunities at midpoint forecast

	Pre-season	Escapement		Management	Harvest
	Forecast	Target	Test Fisheries	Adjustment	Opportunities*
Early Stuart	99,000	52,000	2,500	101,400	7,400
Early Summer	277,000	166,000	5,300	53,100	52,600
Summer**	1,585,000	651,000	23,700	39,100	871,200
Late	158,000	158,000	2,600	153,300	29,000
Total	2,119,000	1,027,000	34,100	346,900	960,200
* Includes AFE a ** Raft, North Th	nd ER ceilings ompson, and Har	rison sockeye incl	uded in Summer-rur	n management g	roup
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2012 Fraser Sockeye Forecasts & In-season Run Size Estimates

	Pre∙	Season Fore	cast	Final
Run	25% Probability	50% Probability	75% Probability	In-Season Estimate (Sep 26)
Early Stuart	61,000	99,000	161,000	185,000
Early Summer	145,000	277,000	522,000	530,000
Summer	917,000	1,585,000	2,776,000	1,300,000
Late	80,000	158,000	304,000	260,000
Total	1,203,000	2,119,000	3,763,000	2,275,000







Preliminary Estimates of Fraser Sockeye Catch Fraser River Sockeye Catch Recreational Commercial FN FSC- Marine 53,200 FN FSC- Fraser 454,900 EO/Demo- Fraser _ Canadian Total 508,100 Test Fishing (incl. Albion & Qualark)^b 36,100 US 111,300 Total 655,500 a Includes 7,200 sockeye caught by Marine area First Nations in the Fraser Rive ^b Includes Fraser sockeye catch in Panel approved Test Fisheries in US waters ° Catch rounded to the nearest 100 fish Harvest opportunities for First Nations in both the marine and the river. Marine FSC catches lower this year due to high Southern diversion. No commercial or recreational harvest opportunities.

2012 Post-Season Summary

L			Pre-sea	son					
Г		Spawning		Manage-		Allowable			
Management	Run	Escapement		ment	Available	Exploitation			
Group	Size	Target	pMA	Adjust.	Harvest	Rate			
Early Stuart	99,000	52,000	1.95	101,400	9,900	10% ^a			
Early Summer	277,000	166,000	0.32	53,100	57,900	21%			
Summer	1,585,000	651,000	0.06	39,100	894,900	56%			
Late	158,000	158,000	0.97	153,300	31,600	20% ^a			
Sockeye	2,119,000	1,027,000		346,900	994,300				
Г			Final In-se	eason				Post-Season	
Г		Spawning		Manage-		Allowable			
Management	Run	Escapement		ment	Available	Exploitation	Spawning	Final In-season	Exploitation
Group	Size	Target	pMA	Adjust.	Harvest	Rate	Escapement	Catch	Rate
Early Stuart	185,000	74,000	3.19	236,100	10,000	10% ^a	26,224	9,100	5
Early Summer	530,000	212,000	0.49	103,900	214,100	40%	268,680	81,300	15
Summer	1,300,000	651,000	0.09	58,600	590,400	45%	567,101	516,500	40
Late	260,000	260,000	0.97	252,200	23,600	20% ^a	61,501	48,600	19
Sockeye	2,275,000	1.197.000		650,800	838,100		923,506	655,500	

Fraser Sockeye Escapement						
Management Group	Escapement Goal @ final in-season run size	Predicted Escapement *	Preliminary Spawning			
Early Stuart	74,000	42,000	26,224			
Early Summer	212,000	303,200	268,680			
Summer	651,000	742,600	567,101			
Late-run	260,000	107,500	61,501			
Total	1.197.000	1.195.300	923.506			



2012 Escapement Summary

- The spawning escapement for Early Stuart is less than brood year escapement and the cycle average.
- Preliminary spawning ground assessments indicate that the Early Summer-run escapement was the third largest spawning ground escapement for this cycle.
- Summer-run sockeye escapements appear to be slightly below the brood year and the cycle average.
- Preliminary Late-run sockeye assessments appear to be over twice the brood year escapement estimate.

