


## Juvenile Downstream Survival in the FCRPS system

Lower Granite Dam to Bonneville Dam						
Year	Snake River Spring Summer Chinook		Snake River Steelhead		Snake River Sockeye	
	Survival	Standard Error	Survival	Standard Error	Survival	Standard Error
1998			50.0%	5.4%	17.7%	9.0%
1999	55.7%	4.6%	44.0%	1.8%	54.8%	36.3%
2000	48.6%	9.3%	39.3%	3.4%	16.1%	8.0%
2001	27.9%	1.6%	4.2%	0.3%	2.2%	0.5%
2002	57.8%	6.0%	26.2%	5.0%	34.2%	21.2%
2003	53.2%	2.3%	30.9%	1.1%	40.5%	9.8%
2004	39.5%	5.0%				
2005	57.7%	6.8%				
2006	64.3%	1.7%	45.5%	5.6%	82.0%	45.4%
2007	59.7%	3.5%	36.4%	4.5%	27.2%	7.3%
2008	46.5%	5.2%	48.0%	2.7%	40.4%	17.9%
2009	55.5%	2.5%	67.6%	5.9%	57.3%	7.3%
2010	56.9%	3.2%	60.8%	2.6%	54.4%	7.7%
2011	51.3%	4.9%	60.0%	2.9%		

McNary Dam to Bonneville Dam				
Year	Upper Columbia Steelhead		Upper Columbia Spring Chinook	
	Survival	Standard Error	Survival	Standard Error
1998				
1999			71.2%	11.3%
2000				
2001				
2002			81.7%	4.1%
2003	87.1%	3.6%	87.9%	3.1%
2004	82.3%	8.8%	61.8%	3.8%
2005	67.4%	5.7%		
2006	73.3%	13.4%	87.1%	18.0%
2007	58.7%	5.9%	73.0%	8.0%
2008			62.6%	13.3%
2009	75.6%	10.5%	89.5%	11.6%
2010	62.6%	3.3%	73.5%	3.7%
2011	65.1%	11.9%	63.7%	7.7%

 Years with insufficient data to make a reliable survival estimate