

# Adult Upstream Survival from Bonneville Dam to McNary Dam

Snake River Steelhead							Snake River Spring Summer Chinook						
Migrated in River as Juveniles				Transported as Juveniles			Migrated in River as Juveniles			Transported as Juveniles			
Survival	95% Confidence interval		Survival	95% Confidence interval		Survival	95% Confidence interval		Survival	95% Confidence interval			
	Lower	Upper		Lower	Upper		Lower	Upper		Lower	Upper		
2002	79.8%	72.5%	78.7%	90.9%	64.4%	72.0%	2002	87.1%	85.0%	89.0%	78.9%	76.4%	81.2%
2003	82.8%	69.4%	86.4%	83.8%	70.1%	80.2%	2003	84.8%	82.3%	87.0%	79.6%	77.2%	81.8%
2004	81.4%	75.2%	84.4%	92.4%	65.6%	75.3%	2004	86.1%	84.4%	87.7%	80.8%	77.1%	84.0%
2005	80.4%	67.4%	79.6%	83.9%	69.2%	79.5%	2005	87.7%	84.8%	90.2%	82.9%	79.3%	86.1%
2006	86.2%	66.7%	84.7%	77.4%	58.3%	75.2%	2006	79.8%	74.5%	84.4%	75.0%	70.4%	79.2%
2007	82.7%	61.4%	80.1%	74.3%	53.1%	69.8%	2007	84.5%	78.2%	89.6%	82.0%	77.9%	85.5%
2008	82.7%	60.2%	68.2%	72.8%	52.7%	58.2%	2008	74.3%	71.7%	76.9%	76.3%	73.3%	79.1%
2009	74.9%	65.9%	68.2%	88.0%	62.4%	66.7%	2009	77.6%	74.8%	80.3%	80.4%	75.9%	84.4%
2010	76.8%	67.9%	70.6%	88.4%	62.8%	67.4%	2010	75.5%	72.4%	78.4%	77.3%	75.9%	78.7%
2011	77.1%	67.4%	70.1%	87.4%	60.8%	65.7%	2011	72.7%	70.7%	74.7%	75.0%	72.1%	77.8%

Upper Columbia Steelhead			
Survival	95%		
	Lower	Upper	
2002	78.9%	73.8%	83.4%
2003	77.3%	62.2%	88.5%
2004	71.6%	70.0%	73.1%
2005	68.6%	67.4%	69.8%
2006	72.8%	71.7%	73.9%
2007	73.4%	70.7%	75.9%
2008	74.7%	69.7%	79.3%
2009	73.3%	68.6%	77.7%
2010	78.5%	75.7%	81.1%
2011	78.4%	75.6%	81.0%

Upper Columbia Spring Chinook			
Survival	95% Confidence		
	Lower	Upper	
2002	78.3%	67.9%	86.6%
2003	81.0%	69.1%	89.8%
2004	84.9%	82.2%	87.3%
2005	81.4%	78.5%	84.0%
2006	78.1%	74.7%	81.2%
2007	78.6%	71.2%	84.8%
2008	72.9%	65.8%	79.3%
2009	80.4%	73.1%	86.5%
2010	82.6%	78.9%	86.0%
2011	75.6%	71.5%	79.5%

Snake River Sockeye			
Survival	95% Confidence		
	Lower	Upper	
2002	Insufficient Data		
2003			
2004			
2005			
2006	88.4%	85.3%	91.1%
2007	85.5%	82.0%	88.6%
2008	84.6%	82.4%	86.6%
2009	83.2%	81.0%	85.4%
2010	85.0%	70.2%	94.3%
2011	68.9%	64.7%	72.9%