

Nez Perce Tribe
Juvenile Monitoring Status Report
Migration Year 2017

02 October, 2019



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Table 1: Migratory year 2017 abundance, survival to Lower Granite Dam, and smolt equivalent estimates for natural origin fish interrogated at Rotary Screw Traps maintained by the Nez Perce Tribe Department of Fisheries Resource Management.

Rotary Screw Trap	SpeciesRun	Lifestage	Abundance	Ab_SE	Ab_L95	Ab_U95	Survival	Surv_SE	Surv_L95	Surv_U95	Equivalents
Newsome Creek	Summer Steelhead	Smolt	17940		11862	26403					
Lolo Creek	Summer Steelhead	Smolt	23913		13155	38365	0.68	0.05	0.60	0.79	16261
South Fork Clearwater River	Summer Steelhead	Smolt	618	237	108	975	0.71	0.05	0.62	0.82	439
South Fork Clearwater River	Summer Steelhead	Smolt	58919	14601	17008	61300	0.71	0.05	0.62	0.82	41832
Johnson Creek	Spring/Summer Chinook Salmon	Parr	98358	3509	91619	105407	0.15	0.01			14754
Johnson Creek	Spring/Summer Chinook Salmon	Presmolt	32244	1919	28797	36270	0.34	0.04			10963
Johnson Creek	Spring/Summer Chinook Salmon	Smolt	5884	1774	3548	10226	0.32	0.05			1883
Johnson Creek	Spring/Summer Chinook Salmon	Total	136486	4455	128367	145797					
Secesh River	Spring/Summer Chinook Salmon	Parr	167116	13354	144755	196729	0.20	0.01			33423
Secesh River	Spring/Summer Chinook Salmon	Presmolt	129236	4298	121588	137875	0.34	0.02			43940
Secesh River	Spring/Summer Chinook Salmon	Smolt	4202	2226	2067	8721	0.45	0.11			1891
Secesh River	Spring/Summer Chinook Salmon	Total	300554	14367	276816	330684					
Imnaha River	Spring/Summer Chinook Salmon	Presmolt	62308	16757	43808	102857					
Imnaha River	Spring/Summer Chinook Salmon	Smolt	34904	4262	28453	43322					
Imnaha River	Spring/Summer Chinook Salmon	Total	97212	16011	75800	129311					
Imnaha River	Summer Steelhead	Smolt	27269	2613	22803	33111					
South Fork Clearwater River	Summer Steelhead	Smolt					0.82	0.14	0.61	1.20	
Lolo Creek	Spring/Summer Chinook Salmon	Presmolt					0.62	0.23			
Lolo Creek	Spring/Summer Chinook Salmon	Smolt					0.65	0.10			
Newsome Creek	Spring/Summer Chinook Salmon	Presmolt					0.14	0.02			
Newsome Creek	Spring/Summer Chinook Salmon	Smolt					0.60	0.11			
Clearwater River	Fall Chinook Salmon	Parr					0.38	0.05			

^a Blank fields indicate missing data.

Table 2: Migratory year 2017 survival estimates to Lower Granite Dam for hatchery origin fish released by the Nez Perce Tribe Department of Fisheries Resource Management.

StreamName	Release Site	SpeciesRun	Lifestage	ReleaseType	Survival	Surv_SE	Surv_L95	Surv_U95
South Fork Clearwater River	South Fork Clearwater River: Upstream of Newsome Creek	Summer Steelhead	Smolt	Single Direct Release	0.90	0.05	0.81	1.02
South Fork Clearwater River	South Fork Clearwater River: Upstream of Newsome Creek	Summer Steelhead	Smolt	Single Direct Release	0.94	0.06	0.82	1.05
South Fork Clearwater River	South Fork Clearwater River: Upstream of Newsome Creek	Summer Steelhead	Smolt	Single Direct Release	0.84	0.02	0.80	0.88
Lostine River	Lostine River Acclimation Pond	Spring/Summer Chinook Salmon	Smolt	Acclimated Volitional Release	0.57	0.03	0.52	0.63
Lostine River	Lostine River Acclimation Pond	Spring/Summer Chinook Salmon	Smolt	Acclimated Volitional Release	0.60	0.04	0.53	0.69
Lostine River	Lostine River Acclimation Pond	Spring/Summer Chinook Salmon	Smolt	Acclimated Volitional Release	0.53	0.04	0.46	0.63
Johnson Creek	Johnson Creek Direct Release Site	Spring/Summer Chinook Salmon	Smolt	Single Direct Release	0.53	0.05		
Yoosa Creek	Yoosa Creek Acclimation Facility	Spring/Summer Chinook Salmon	Presmolt	Acclimated Volitional Release	0.08	0.01		
Newsome Creek	Newsome Creek Acclimation Facility	Spring/Summer Chinook Salmon	Presmolt	Acclimated Volitional Release	0.09	0.02		
Clearwater River	Big Canyon Creek Acclimation Pond	Fall Chinook Salmon	Smolt	Acclimated Direct Release	0.96	0.04		
Clearwater River	Big Canyon Creek Acclimation Pond	Fall Chinook Salmon	Parr	Acclimated Direct Release	0.89	0.05		
Clearwater River	Nez Perce Tribe Hatchery	Fall Chinook Salmon	Parr	Acclimated Direct Release	0.81	0.08		
Clearwater River	Nez Perce Tribe Hatchery	Fall Chinook Salmon	Parr	Acclimated Direct Release	0.70	0.06		
Lapwai Creek	North Lapwai Valley Acclimation Ponds	Fall Chinook Salmon	Parr	Acclimated Direct Release				
Selway River	Cedar Flats Acclimation Facility	Fall Chinook Salmon	Parr	Acclimated Direct Release				
Snake River	Captain Johns Rapid Acclimation Pond	Fall Chinook Salmon	Smolt	Acclimated Direct Release	0.97	0.05		
Snake River	Pittsburgh Landing Acclimation Pond	Fall Chinook Salmon	Smolt	Acclimated Direct Release	0.94	0.04		
Snake River	Captain Johns Rapid Acclimation Pond	Fall Chinook Salmon	Parr	Acclimated Direct Release	0.86	0.02		
Snake River	Captain Johns Rapid Acclimation Pond	Fall Chinook Salmon	Parr	Acclimated Direct Release				
Snake River	Pittsburgh Landing Acclimation Pond	Fall Chinook Salmon	Parr	Acclimated Direct Release	0.90	0.03		
South Fork Clearwater River	Lukes Gluch Acclimation Facility	Fall Chinook Salmon	Parr	Acclimated Direct Release	0.80	0.04		

^a Blank fields indicate missing data.

Table 3: Survival estimates to Lower Granite Dam in Migration Year 2017 for hatchery and natural origin Spring/Summer Chinook salmon.

StreamName	Release Site	Origin	Lifestage	ReleaseGroup	Survival	Surv_SE	Surv_L95	Surv_U95
Clearwater River	Big Canyon Creek Acclimation Pond	Hatchery	Parr	Early Group	0.89	0.05		
Clearwater River	Nez Perce Tribe Hatchery	Hatchery	Parr	NPTH- Ponds	0.81	0.08		
Clearwater River	Nez Perce Tribe Hatchery	Hatchery	Parr	NPTH- S Channels	0.70	0.06		
Clearwater River	Clearwater River	Natural	Parr	Early Group	0.38	0.05		
Clearwater River	Big Canyon Creek Acclimation Pond	Hatchery	Smolt	Early Group	0.96	0.04		
Johnson Creek	Johnson Creek RST	Natural	Parr	Normal Group	0.15	0.01		
Johnson Creek	Johnson Creek RST	Natural	Presmolt	Normal Group	0.34	0.04		
Johnson Creek	Johnson Creek Direct Release Site	Hatchery	Smolt	Normal Group	0.53	0.05		
Johnson Creek	Johnson Creek RST	Natural	Smolt	Normal Group	0.32	0.05		
Newsome Creek	Newsome Creek Acclimation Facility	Hatchery	Presmolt	Normal Group	0.09	0.02		
Newsome Creek	Newsome Creek RST	Natural	Presmolt	Normal Group	0.14	0.02		
Newsome Creek	Newsome Creek RST	Natural	Smolt	Normal Group	0.60	0.11		
South Fork Clearwater River	Lukes Gluch Acclimation Facility	Hatchery	Parr	Early Group	0.80	0.04		
South Fork Clearwater River	South Fork Clearwater River: Upstream of Newsome Creek	Hatchery	Smolt	Angler	0.90	0.05	0.81	1.02
South Fork Clearwater River	South Fork Clearwater River: Upstream of Newsome Creek	Hatchery	Smolt	Angler	0.94	0.06	0.82	1.05
South Fork Clearwater River	South Fork Clearwater River: Upstream of Newsome Creek	Hatchery	Smolt	Angler	0.84	0.02	0.80	0.88
South Fork Clearwater River	SF Clearwater RST	Natural	Smolt	Spring Emigration	0.71	0.05	0.62	0.82
South Fork Clearwater River	SF Clearwater RST	Natural	Smolt	Spring Emigration	0.71	0.05	0.62	0.82
South Fork Clearwater River	South Fork Clearwater River: Upstream of Newsome Creek	Natural	Smolt	Spring Emigration	0.82	0.14	0.61	1.20

^a Blank fields indicate missing data.