

Table S1. Sources of first observations of migratory adult fish upstream of the Elwha Dam and Glines Canyon Dam. Observations are listed in order of appearance in the timeline of Figure 2. These observations were provided as personal communications by the observer or obtained from a technical report.

Species	Upstream of dam	Observation type	Date	Source of observation	Citation
Winter Steelhead	Elwha	Redd Survey	6/1/2012	John McMillan (TU) and Raymond Moses (LEKT)	McMillan and Moses 2012
Chinook Salmon	Elwha	Redd Survey	8/20/2012	Phil Kennedy (NPS)	personal communication
Pink Salmon	Elwha	Redd Survey	9/15/2012	Heidi Connor (NPS) and Pat Crain (NPS)	McHenry et al. 2015
Coho Salmon	Elwha	Redd Survey	11/14/2012	John McMillan (TU), Mike McHenry (LEKT), Raymond Moses (LEKT)	McHenry et al. 2017
Pacific Lamprey	Elwha	Smolt Trap	3/9/2013	Mike McHenry (LEKT)	McHenry et al. 2014; Moser and Paradis 2013
Sockeye	Elwha	Tangle Netting	Aug 2013	Keith Denton (Denton and Associates)	Denton et al. 2014
Summer Steelhead	Elwha	Snorkel Survey	10/15/2013	John McMillan (TU)	personal communication
Bull Trout	Elwha	Radio-Telemetry	6/14/2013	Josh Geffre (NPS)	Geffre et al. 2015
Bull Trout	Glines Canyon	Radio-Telemetry	8/5/2014	Josh Geffre (NPS)	Geffre et al. 2015
Chinook Salmon	Glines Canyon	Redd Survey	9/9/2014	Mel Elofson (LEKT); Heidi Connor and Anna Geffre (NPS)	McHenry et al. 2021
Chum Salmon	Elwha	Snorkel Survey	Nov 2013	Heidi Connor (NPS)	personal communication
Winter Steelhead	Glines Canyon	Redd survey and Snorkel Survey	May 2015	James Starr (NPS)	personal communication
Summer Steelhead	Glines Canyon	Snorkel Survey	July 2015	Heidi Connor and Josh Geffre (NPS)	personal communication
Sockeye Salmon	Glines Canyon	Snorkel Survey	Aug 2016	Heidi Connor and Josh Geffre (NPS)	personal communication
Coho Salmon	Glines Canyon	Redd Survey, Radio-Telemetry	Oct 2016	Heidi Connor and Josh Geffre	Geffre et al. 2016
Pacific Lamprey	Glines Canyon	Radio-Telemetry	July 2017	Rebecca Paradis (LEKT)	personal communication
Pink Salmon	Glines Canyon	Snorkel Survey	8/8/20	Heidi Connor (NPS)	personal communication

Agency acronyms: LEKT = Lower Elwha Klallam Tribe, NPS = National Park Service, TU = Trout Unlimited

Citations

Denton, K., McHenry, M. , Moses, R., Ward, E., Liermann, M., Stefankiv O., Wells, W., and Pess, G. (2014) 2014 Elwha River Chinook Escapement Estimate Based on DIDSON/ARIS Multi-Beam SONAR Data. Report to Olympic National Park by the Lower Elwha Klallam Tribe under contract #P16PC00364.

Geffre, J., Brenkman, S., Peters, R., and Crain, P. (2016). Use of radio telemetry to assess adult salmonid movements and upstream passage at former Elwha and Glines Canyon dam sites in 2015 and 2016. Olympic National Park, Port Angeles, WA.

Geffre, J., Brenkman, S., Peters, R., and Crain, P. (2015). Use of radio telemetry to assess adult salmonid movements and upstream passage at former Elwha and Glines Canyon dam sites in 2014. Olympic National Park, Port Angeles, WA.

McMillan, J. R., and Moses, R. (2012). Winter Steelhead (*Oncorhynchus mykiss*) redd survey summary for middle Elwha River 2011/2012. Elwha River Annual Report for NOAA/NWFSC, Lower Elwha Klallam Tribe, and Olympic National Park.

McHenry, M., (2014) Elwha River smolt enumeration project. Report submitted to Olympic National park by the Lower Elwha Klallam Tribe, Port Angeles, WA.

McHenry, M., Pess, G. (2015). Spawning distribution of Chinook Salmon (*Oncorhynchus tshawytscha*) in the Elwha River, Washington State during dam removal from 2012 to 2014. Report submitted to Olympic National park by the Lower Elwha Klallam Tribe, Port Angeles, WA.

McHenry, M., McMillan, J., Moses, R., Pess, G., and Crain, P. (2017). Coho salmon relocations and redd surveys in the Elwha River 2011-2016: Summary Report. Report submitted to Olympic National park by the Lower Elwha Klallam Tribe, Port Angeles, WA.

McHenry, M., Pess, G., and Anderson, J. (2021). Spatial distribution of Chinook Salmon (*Oncorhynchus tshawytscha*) spawning in the Elwha River, Washington State during dam removal and early stages of recolonization. Report submitted to Olympic National Park by the Lower Elwha Klallam Tribe, Port Angeles, WA.

Moser, M. L., and Paradis, R. L. (2017). Pacific lamprey restoration in the Elwha River drainage following dam removals. American Currents, 42(2), 3–8.