

112-61-10100

Species Addition/Species Extension/Route Correction

Water Body Name: *Point Howard Creek

HUC12: 190103010709

Species & Lifestage Observed: SHp, CO

MTR: C041S063E

Observation Date: 05/06/2024

Quad: Juneau B-4 SE

Observers: Mark Hieronymus, Sam Roche, Riley Gallagher

Observations: We walked this stream from just above its confluence with 112-61-10120 to a point approximately 2.5km upstream with a GPS. We captured adult steelhead with hook and line as well as underwater video camera (GoPro Hero9), and hand-captured juvenile coho upstream of their current upper distribution (see AWC Nomination #23-776). During the course of observations, comparison of our GPS-derived stream line and the 2023 AWC arc for 112-61-10100 suggests a route correction is needed for the reach between the end of observations noted in nomination #23-776 and our upstream end of observations, including a channel split around an in-stream island between waypoints 4 and 5 (Fig. 8). Observation locations and notes are in Table 1, fish photos and a map showing observation locations and route correction are in Figures 1-8.

Table 1.- 112-61-10100 observation locations and notes.

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
1	58.310740	-135.086308	*Point Howard Ck, 05/06/2024 ~9am, 100% Hi, Thin OVC, R-. H ₂ O temp: 2.9°-3.0°C H ₂ O Vis Exc+ (5+ m) Tide (RefStn 9452210): -2.25' @ 6:31am. Observers: MH, SR, RG Start of US Obs.		
2	58.315293	-135.089956	1 Adult Steelhead under downed tree, captured on underwater video. Fish 26"-28", appearance suggests female.	Video	1 SH
3	58.317403	-135.095624	1 Adult Steelhead hooked and lost here, captured on underwater video after it resettled slightly downstream. Fish 27"-30", appearance suggests male.	Video	1 SH
4	58.320840	-135.101535	1 Adult Steelhead hooked and landed here. Fish 23"-25", appearance suggests male.	Hook/line	1 SH
5	58.323643	-135.099736	1 Adult Steelhead hooked and lost here, captured on underwater video after it resettled back in its lie. Fish 24"-27", unable to determine sex.	Video	1 SH
6	58.325011	-135.101442	River begins braiding thru blowdown here, US end of obs. Lots of coho fry in a small, slow braid, we captured 2 by hand for closeup photos. Distinguishing markings just starting to develop in these fry.	Visual Hand Capture	20-30 CO 2 CO



Figure 1.- Adult Steelhead captured on video under downed tree at waypoint 2.



Figure 2.- Adult Steelhead hooked and lost at waypoint 3, captured on video after it resettled slightly downstream.



Figure 3.- AKFHMP Project Lead Mark Hieronymus with an adult Steelhead captured at waypoint 4.



Figure 4.- Adult Steelhead hooked and lost at waypoint 5, captured on video after it resettled in its lie. The back half of the fish is visible in the lower left quadrant of the photo.



Figure 5.- Close-up of the photo in Fig.4, with red arrow pointing at caudal fin.



Figure 6.- Coho fry observed at waypoint 6.



Figure 7.- Close-up of coho fry hand-captured at waypoint 6. Distinguishing characteristics (orange coloration of caudal fin, parr markings through lateral line, dark first ray of anal / dorsal fin) are just starting to develop in this fish.

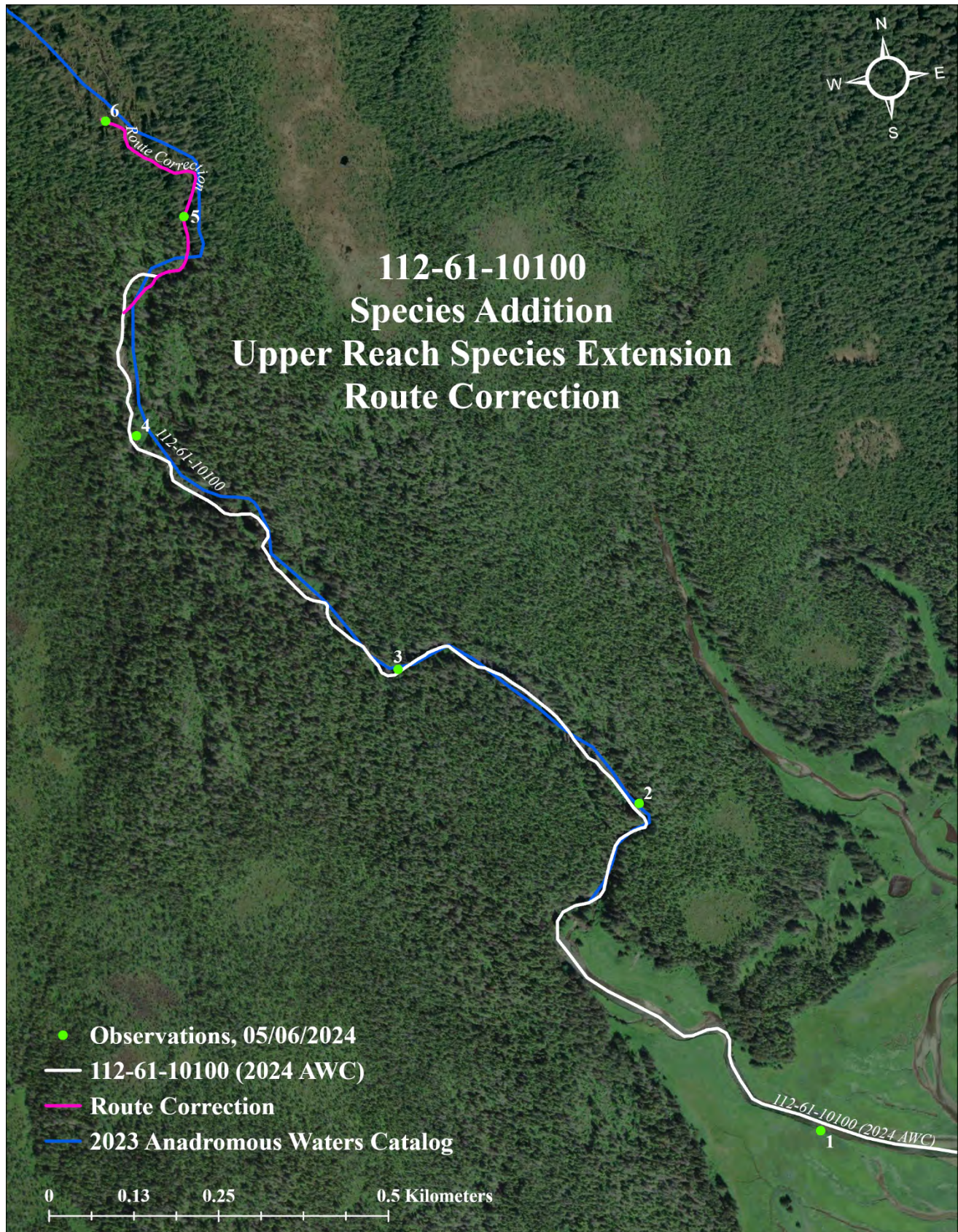


Figure 8.- Map of 112-61-10100 showing observation locations and upper reach route correction.