

Susitna-Watana Hydroelectric Project Document

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**Susitna-Watana Hydroelectric Project
(FERC No. 14241)**

**Salmon Escapement Study
Study Plan Section 9.7**

**Initial Study Report
Part B: Supplemental Information (and Errata) to
Part A (February 3, 2014 Draft Initial Study Report)**

Prepared for

Alaska Energy Authority



SUSITNA-WATANA HYDRO

Clean, reliable energy for the next 100 years.

Prepared by

LGL Alaska Research Associates, Inc. &

Alaska Department of Fish and Game, Division of Sport Fish

June 2014

**PART B: SUPPLEMENTAL INFORMATION (AND ERRATA) TO PART A
(FEBRUARY 3, 2014 DRAFT INITIAL STUDY REPORT)**

Part A Reference	Description
Tables I-5 and I-10 (Appendix I, p.10, 14)	The standard errors and confidence intervals for Chinook and coho salmon abundance within tributaries/groupings were revised by ADF&G after the February 3 submission of the draft ISR. Revised Tables I-5 and I-10 are provided below.

Table I-1. Chinook salmon spawning distributions, based on weighted abundance (Table I-4), in the mainstem Susitna River above the lower river tagging site, 2013.

Location	Estimated		Intervals	
	Abundance	SE	95% lower	95% upper
Susitna River above the mainstem tagging site	89,463	9,523	77,720	114,954
PRM 34–102.4 mainstem Susitna River ^a	2,432	757	1,227	4,184
Deshka River	18,469	2,262	15,343	24,207
Eastside Susitna River	16,867	2,511	13,306	23,134
Talkeetna River	24,408	3,545	19,541	33,412
PRM 102.4–153.4 mainstem Susitna River ^b	7,680	1,494	5,435	11,281
Chulitna River	19,607	2,823	15,635	26,700

^a PRM 34 upstream to the Chulitna River Confluence

^b Chulitna River Confluence to Devils Canyon

Table I-2. Coho salmon spawning distributions, based on weighted abundance (Table I-9), in the mainstem Susitna River above the lower river tagging site, 2013.

Location	Estimated		Intervals	
	Abundance	SE	95% lower	95% upper
Susitna River above the mainstem tagging site	130,026	24,342	100,411	193,403
PRM 34–102.4 mainstem Susitna River ^a	31,204	8,010	20,640	51,617
Deshka River	29,215	6,875	19,934	46,594
Eastside Susitna River	11,038	3,280	6,270	19,027
Talkeetna River	13,372	3,762	7,969	22,615
PRM 102.4–153.4 mainstem Susitna River ^b	8,313	2,961	4,005	15,534
Chulitna River	36,844	8,144	26,073	57,609

^a PRM 34 upstream to the Chulitna River Confluence

^b Chulitna River Confluence to Devils Canyon