# comprehensive Data delivery README FILE (INternal)

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| **Study Section** | Study 9.10: The Future Watana Reservoir Fish Community and Risk of Entrainment |
| **Study Component** | N/A |
| **Field Date Range** | Deferred Study |

**Introduction:** The goal of this study is to predict the fish community that will develop in the Project reservoir based on the existing species and the habitat that will be created in the inundation zone, and to characterize the potential loss from entrainment. The study objectives established in RSP Section 9.10.1 consist of the following:

* Develop scenarios for anticipated daily and seasonal changes in reservoir habitat characteristics based on predicted reservoir operations, size, temperatures, and water quality and depth profiles.
* Develop scenarios for future reservoir fish communities based on current fish species composition upstream of the proposed dam site and enhancement potential for select salmon species incorporating anticipated daily and seasonal changes in reservoir habitat characteristics.
* Characterize potential management options including recreational, commercial, and subsistence uses of the reservoir fishery.
* Conduct a qualitative desktop analysis on the potential for entrainment of fish species inhabiting the proposed reservoir upstream of Watana Dam.

Data collected as part of these studies will be used to provide a baseline characterization of fish and aquatic habitat in the Susitna River in support of identification and evaluation of potential Project-induced effects on fish assemblages, and inform development of any necessary protection, mitigation, and enhancement measures.

**Data Summary:**

Study 9.10 study is largely a desktop analysis that is to be completed with information gathered under Studies 9.5, 9.6, and 9.7. Section 7 of ISR 9.10 (Part C), filed in June 2014, described that the implementation of this study was deferred. Since that time, AEA has not completed any additional work on this study. Therefore, there are no results or updates to report for this study.

**Data Organization:**  N/A

**Software Considerations: N/A**

**Online Data Link:**  N/A

**Online Report Link:** AEA has deferred Study 9.10 and only filed procedural updates with FERC. To aid review, study documents using this study component are listed below. Each of these documents is accessible on AEA’s Project licensing website (<http://www.susitna-watanahydro.org/type/documents/>) or through FERC’s eLibrary system (<http://www.ferc.gov/docs-filing/elibrary.asp>), in Docket No. P-14241.

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| **Title** | **Date** | **Description** | **Link** |
| 9.10 The Future Watana Reservoir Fish Community and Risk of Entrainment Study (Revised Study Plan) | 12/14/2012 | This document presents the plan for this study, including goals, objectives, the study area, and proposed study methods relevant to the aquatic resource in the future Watana Reservoir. | [RSP for Study 9.10](http://www.susitna-watanahydro.org/wp-content/uploads/2012/12/04-RSP-Dec2012_4of8-Sec-9-FishandAquaticResources-v2.pdf) |
| FERC Study Plan Determination for Study 9.10 | 2/1/2013 | This document presents FERC approval of Study 9.10, which approved AEA’s Revised Study Plan with recommended adjustments. | [FERC SPD for Study 9.10](http://www.susitna-watanahydro.org/wp-content/uploads/2015/11/20130201_FERC_SPD.pdf) |
| Draft Initial Study Report for Study 9.10 | 2/3/2014 | This draft of the ISR summarized the study methods and variances during the 2013 study season, and presented preliminary data collected for Study 9.10. This draft ISR was later republished as Part A of the final ISR. | [Draft ISR for Study 9.10](http://www.susitna-watanahydro.org/wp-content/uploads/2014/01/09.10_RESFSH_ISR_Draft.pdf) |
| Initial Study Report for Study 9.10 | 6/3/2014 | This document is the Initial Study Report (Parts A, B and C) for Study 9.10. Part A republishes the Draft ISR. Part B identifies supplemental information and errata in Part A. Part C presents study modifications and plans for completing the study. | [ISR Part A for Study 9.10](http://www.susitna-watanahydro.org/wp-content/uploads/2014/05/09.10_RESFSH_ISR_PartA.pdf)  [ISR Part B for Study 9.10](http://www.susitna-watanahydro.org/wp-content/uploads/2014/05/09.10_RESFSH_ISR_PartB.pdf)  [ISR Part C for Study 9.10](http://www.susitna-watanahydro.org/wp-content/uploads/2014/05/09.10_RESFSH_ISR_PartC.pdf) |
| Initial Study Report Meetings, October 15, 2014 | 11/14/2014 | Transcripts and AEA’s agenda and PowerPoint presentations for the ISR meeting concerning Project fish and aquatic studies. | [Transcripts from ISR Meeting](http://www.susitna-watanahydro.org/wp-content/uploads/2014/11/Oct15_ISR_Meeting_PartA_Transcripts.pdf)  [Materials from ISR Meeting](http://www.susitna-watanahydro.org/wp-content/uploads/2014/11/Oct15_ISR_Meeting_PartB_Agenda_Presentations.pdf) |
| Response of the Alaska Energy Authority to Comments on the Initial Study Report | 10/24/2016 | This document provides a technical response to stakeholder comments on the Initial Study Report. | [Oct. 2016 Response for Study 9.10](http://www.susitna-watanahydro.org/wp-content/uploads/2016/11/ISR_Response_OCT_2016.pdf) |
| FERC Determination on ISR Requests for Study Modifications and New Studies | 6/22/2017 | This document presents FERC determination on stakeholder study modification requests and AEA proposed modifications | [FERC Determination on Requests for Study Modifications](http://elibrary.FERC.gov/idmws/file_list.asp?accession_num=20170622-3018) |