# Comprehensive Data Delivery README FILE

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| **Study Section** | Study 10.9: Wolverine Distribution, Abundance, and Habitat Occupancy |
| **Study Component** | (not applicable) |
| **Prepared By** | Alaska Department of Fish and Game, Palmer;ABR, Inc.—Environmental Research & Services, Fairbanks |
| **Data Collection and Processing By** | Kassidy Colson, Alaska Department of Fish and Game, Palmer |
| **Field Date Range** | April 2013 and March 2015 |

**Introduction:** The overall goal of this data collection effort was to document the distribution, abundance, and habitat use of wolverines (*Gulo gulo*) in areas with the potential to be affected by construction and operation of the proposed Susitna–Watana Hydroelectric Project (Project) in Alaska.

The Wolverine Distribution, Abundance, and Habitat Occupancy 13 (Wolverine Study) focused on aerial surveys of winter wolverine tracks to estimate population density and provide data on distribution and habitat use. An Occupancy Modeling (OM) survey was flown on April 11 and April 15, 2013, and a Sample-Unit Probability Estimator (SUPE) survey was flown March 9–12, 2015. The SUPE survey provided superior results and was used to assess wolverine density and abundance. Habitat use was assessed from the location of wolverine tracks observed during the SUPE survey and by using data from Study 10.10, Terrestrial Furbearer Abundance and Habitat Use.

This multi-year study was initiated in 2013 and completed in 2015. The Study Completion Report (SCR) for the study was produced in 2015.

**Data Summary:** Data for the Wolverine Study consist of public GIS layers for the study area. Occupancy Modeling data and Wolverine tracks from the SUPE survey are confidential under Alaska state statute and regulations. All data for the study have undergone a QC3 level of review.

*GIS Data*— Contain files for the 2013 and 2015 Sample-Unit Probability Estimator (SUPE) grid study area and the SUPE grid excluded and selected cells.

**Data Organization:**

The GIS data are archived in the public directory /10-WILD/10.09-WOLV/GIS in a geodatabase (SuWa\_10\_9\_GIS\_20170630.gdb ) containing the following feature classes:

* WOLV\_2013\_2015\_StudyAreaBound
* WOLV\_2015\_SUPE\_GridExcluded
* WOLV\_2015\_SUPE\_GridSelection

**Online Data Link:** <http://gis.suhydro.org/SuWa/10-WILD/10.09-WOLV/>

**Online Report Link:** 10.09 Wolverine Distribution, Abundance, and Habitat Occupancy – Study Completion Report under 2017; Study Completion and Implementation Reports at <http://www.susitna-watanahydro.org/type/documents>

[[1]](#endnote-1)

1. **Data Distributor Contact Information:**

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