

Text Supplement for ScholarWorks@UA collection: Supplemental data for “Bear encounters with seismic stations in Alaska and northwestern Canada”

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Version 1: April 4, 2019

Version 2: November 27, 2019

This collection is established as a supplement to a published manuscript (*Tape et al.*, 2019).

Version history

In Version 2, the bear encounter data for the FLATS project is updated through the end of the deployment (October 2019). Bear encounter data for the other active networks, AK and TA, are up-to-date through January 1, 2019.

Part A: compilations of bear encounters with seismic stations

The tables in *Tape et al.* (2019) that classify each bear encounter (B1, . . . , B6) and each site remoteness (R1, . . . , R4) are based on the following data tables:

file name	author	description
SALMON_FLATS_bears_data.pdf	Tape	SALMON and FLATS
MMEP_bears_data.pdf	Heath, Baker	MMEP
Yahtse_bears_data.xlsx	West	Yahtse
AlaskaTA-BearPaper-StationRemoteness_2019_03_11.pdf	Aderhold	Alaska TA
AK_bears_data.pdf	Dalton	AK network

Part B: Materials cited in *Tape et al.* (2019)

Tape et al. (2019) contains the following passage:

“Within the United States, electric fences have been in use by personnel within several government agencies:

- Alaska Department of Fish and Game (*Alaska Department of Fish and Game*, 2018)
- U.S. Geological Survey (Alaska Science Center): (*Smith*, 2005)
- U.S. National Park Service: (*Sousanes et al.*, 2017a,b)
- U.S. Bureau of Land Management (*Craig*, 2004)
- U.S. National Forest Service (*Karsky et al.*, 2007)
- U.S. Fish and Wildlife Service (*U.S. Fish and Wildlife Service*, 2015)”

Since some of these materials may be transient (like websites) or hard to find, we have included copies of them in this collection.

References

- Alaska Department of Fish and Game (2018), Electric Fences as Bear Deterrents, <http://www.adfg.alaska.gov/index.cfm?adfg=livingwithbears.bearfences> (last accessed Nov 2018).
- Craig, T. (2004), Detering Bears from Work Areas and Facilities, U.S. Dept. Interior, BLM-Alaska Open File Report 97.
- Karsky, D., K. Barber, J. Gookin, G. Kees, and J. Claar (2007), Specifications for portable electric fence systems as alternative methods for food storage, Tech Tip 0723–2305P–MTDC, Missoula, Montana, U.S. Department of Agriculture, Forest Service, Missoula Technology and Development Center, 10 p.
- Smith, T. S. (2005), Protecting Your Camp from Bears: Electric Fencing, 2-page document available at http://www.adfg.alaska.gov/static/species/livingwithwildlife/bears/pdfs/protecting_your_camp_from_bears_electric_fencing_tom_smith_usgs.pdf (last accessed Nov 2018).
- Sousanes, P., K. Hill, M. Bower, W. Johnson, and S. Miller (2017a), Standard Operating Procedure (SOP) 8: Site Installation and Maintenance Equipment Checklist, Version 2.0. Weather and Climate Monitoring Protocol, Arctic (ARCN), Central Alaska (CAKN), and Southeast Alaska (SEAN) Inventory and Monitoring Networks, National Park Service, Fairbanks, Alaska, available online at <https://irma.nps.gov/DataStore/Reference/Profile/2243696> (last accessed April 2019).
- Sousanes, P. J., K. R. Hill, W. F. Johnson, and S. D. Miller (2017b), Protocol implementation plan for monitoring weather and climate in the Arctic Network, Natural Resource Report NPS/ARCN/NRR–2017/1537, National Park Service, Fort Collins, Colo., available online at <https://irma.nps.gov/DataStore/Reference/Profile/2245839> (last accessed April 2019).
- Tape, C., D. C. Heath, M. G. Baker, S. Dalton, K. Aderhold, and M. E. West (2019), Bear encounters with seismic stations in Alaska and northwestern Canada, *Seismol. Res. Lett.*, 90(5), 1950–1970, doi:10.1785/0220190081.
- U.S. Fish and Wildlife Service (2015), Human-Polar Bear Safety and Interaction Plans, 3-page document available at https://www.fws.gov/uploadedFiles/Region_7/NWRS/Zone_1/Arctic/PDF/polar%20bear-human%20safety%20plans%202015.pdf (last accessed Nov 2018).