

Eran Hood

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RESEARCH INTERESTS

Watershed hydrology, Aquatic biogeochemistry, Alpine and glacial hydrology, Snow hydrology and snow chemistry

EDUCATION

Ph.D.	2002	University of Colorado, Boulder	Geography (Biogeochemistry)
M.A.	1998	University of Colorado, Boulder	Geography (Snow Hydrology)
A.B.	1991	Harvard University	Biology

EMPLOYMENT HISTORY

2014-present	Professor of Environmental Science
2008-2014	Associate Professor of Environmental Science University of Alaska Southeast, Natural Science Department
2010-2013	Chair , Natural Sciences Department, University of Alaska Southeast
2002-2008	Assistant Professor of Environmental Science University of Alaska Southeast, Natural Science Department
2004-present	Affiliate Professor of Environmental Science University of Alaska Fairbanks, Civil and Environ. Engineering Dept.
2002	Postdoctoral Researcher , LTER DON inter-site comparison project, University of Colorado
1998-2001	Research Assistant , Dr. Mark Williams, University of Colorado, Boulder
1998-2000	Graduate Instructor , Geography Department, University of Colorado, Boulder
1996-7	Teaching Assistant , Geography Department, University of Colorado, Boulder

FELLOWSHIPS AND AWARDS

2015	U.S. Geological Survey, Eugene M. Shoemaker Communication Award (Print Product), Joint with Shad O'Neel and Kristin Timm
2011	University of Alaska Southeast Faculty Award for Excellence in Research
2010	Sir Frederick McMaster Fellowship, Australian National Science Agency (CSIRO)
2007	American Geophysical Union Editor's Citation for Excellence in Refereeing: <i>Journal of Geophysical Research – Biogeosciences.</i>
2000	Hydrology Section Outstanding Student Paper Award, American Geophysical Union, 2000 Fall Meeting

1998-2000 National Science Foundation: Graduate Research Training (GRT) Fellowship in Hydrology.

TEACHING EXPERIENCE AT UNIVERISTY OF ALASKA SOUTHEAST

- Earth and Environment (ENVS/GEOG 102)
- Climate Change (ENVS 293)
- Hydrology (GEOG 302)
- Snow Hydrology (ENVS/GEOG 407)
- Biogeochemistry (ENVS/GEOG 414)
- Snow and Glaciers (ENVS 493)
- Introduction to Differential GPS (ENVS 111)
- Undergraduate Research Seminar (ENVS 492)

PUBLICATIONS

* denotes undergraduate student co-author

Peer-Reviewed Articles

- Li, X., E. Hood, Y. Ding, T. Han, X. He, S. Kang, Q. Wu, M. Sillanpää, Z. Yu, and D. Qin (2017) Importance of mountain glaciers as a source of dissolved iron. *Geochimica et Cosmochimica Acta*, in review.
- Castle, S.C., B.W. Sullivan, J. Knelman, E. Hood, D.R Nemergut, S.K. Schmidt and C.C. Cleveland (2017) Nutrient limitation of soil microbial activity during the earliest stages of ecosystem development. *Oecologia*, in press.
- Milner, A.M., T. Battin, J.E. Brittain, N. Barrand, S. Cauvy-Fraunie, G.M. Gislason, D. Jacobsen, D.M. Hannah, A.J. Hodson, E. Hood, K. Khamis, V. Lencioni, L. Fuereder, J.S. Olafsson, C. Robinson, M. Tranter, and L.E. Brown (2017) Glacier shrinkage driving global changes in downstream ecosystems. *Proceed. Nat. Acad. Sci.*, www.pnas.org/cgi/doi/10.1073/pnas.1619807114
- Arimitsu, M.L., K.A. Hobson, D.N. Webber, J.F. Piatt, E. Hood and J.B. Fellman (2017) Tracing biogeochemical subsidies from glacier runoff into Alaska coastal marine food webs, *Global Change Biology*, DOI: 10.1111/gcb.13875.
- Hotaling, S., E. Hood, and T.L. Hamilton (2017) Microbial ecology of mountain glacier ecosystems: biodiversity, ecological connections, and implications of a warming climate. *Environmental Microbiology*, DOI: 10.1111/1462-2920.13766.
- Vermilyea, A. W., S.A. Nagorski, C.H. Lamborg, E. Hood, D. Scott, and G.J. Swarr (2017) Continuous proxy measurements reveal large mercury fluxes from glacial and forested watersheds in Alaska. *Science of the Total Environment*, doi.org/10.1016/j.scitotenv.2017.03.297.
- Fellman, J., D. D'Amore, and E. Hood (2017) Vulnerability of wetland soil carbon stocks to climate warming in the perhumid coastal temperate rainforest. *Biogeochemistry*, 133: 165-179. DOI: 10.1007/s10533-017-0324-y
- Fellman, J., E. Hood, B. Buma, R. T. Edwards, and D. D'Amore (2017) Linking LIDAR with streamwater biogeochemistry in coastal temperate rainforest watersheds, *Canadian Journal of Fisheries and Aquatic Sciences*, 74: 801-811. 10.1139/cjfas-2016-0130.
- Castle, S.C., D.R Nemergut, A.S. Grandy, J.W. Leff, E. Graham, E. Hood, S.P. O'Neill, S.K. Schmidt, K. Wickings, and C.C. Cleveland (2016) Biogeochemical drivers of

- microbial community convergence across actively retreating glaciers. *Soil Biology & Biochemistry*, 101: 74-84.
- Fleming, S.W., E. Hood, H. Dalhke, and S. O'Neel (2016) Seasonal flows of international British Columbia-Alaska rivers: The nonlinear influence of ocean-atmosphere circulation patterns. *Advances in Water Resources*, 87:42-55.
<http://dx.doi.org/10.1016/j.advwatres.2015.10.007>
- Williams, M.W., **E. Hood**, N.P. Molotch, N. Caine, R. Cowie, and F. Liu (2015) The 'teflon basin' myth: hydrology and hydrochemistry of a seasonally snow-covered catchment. *Plant Ecology and Diversity*, 8: 639-661.
<http://dx.doi.org/10.1080/17550874.2015.1123318>
- Fellman, J., **E. Hood**, A. Stubbins, P. Raymond, and R.G.M. Spencer (2015) Spatial Variation in the Origin of Dissolved Organic Carbon in Snow on the Juneau Icefield, Southeast Alaska, *Environmental Science and Technology* 49: 11492–11499. DOI: 10.1021/acs.est.5b02685
- Fellman, J.B., **E. Hood**, W. Dryer, and S. Pyare (2015) Stream Physical Characteristics Impact Habitat Quality for Pacific Salmon in Two Temperate Coastal Watersheds. *PLoS ONE* 10(7): e0132652. doi:10.1371/journal.pone.0132652
- Fellman, J., **E. Hood**, P. Raymond, J. Hudson, M. Bozeman, and M. Arimitsu (2015) Evidence for the assimilation of glacier organic carbon in a proglacial stream food web. *Limnology and Oceanography* 60: 1118-1128. DOI: 10.1002/lno.10088
- Shanley, C.S., S. Pyare, M.I. Goldstein, P. Alaback, D. Albert, C. Beier, T. Brinkman, R.T. Edwards, **E. Hood**, A. MacKinnon, M. McPhee, T. Patterson, L. Suring, D. Tallmon, and M. Wipfli (2015) Climate change implications in the northern coastal temperate rainforest of North America. *Climatic Change* 130: 155-170. doi:10.1007/s10584-015-1355-9
- O'Neel, S., **E. Hood**, A. Bidlack, S. Fleming, M. Arimitsu, A. Arendt, E. Burgess, C. Sergeant, A. Beaudreau, K. Timm, G. Hayward, J. Reynolds, and S. Pyare (2015) Icefield-to-ocean linkages across the northern Pacific coastal temperate rainforest ecosystem. *Bioscience*, doi:10.1093/biosci/biv027
- D'Amore, D., R. Edwards, P. Herendeen, **E. Hood**, and J. Fellman (2015) Dissolved organic carbon fluxes from hydrogeologic units in Alaskan coastal temperate rainforest watersheds. *Soil Science Society of America Journal* 79: 378-388. doi:10.2136/sssaj2014.09.0380
- Hood, E.**, T.J. Battin, J. Fellman, S. O'Neel, and R.G.M. Spencer (2015) Storage and release of organic carbon from glaciers and ice sheets. *Nature Geoscience* 8: 91–96. doi:10.1038/ngeo2331
- Spencer, R.G.M., W. Guo, P. Raymond, T. Dittman, **E. Hood**, J. Fellman, and A. Stubbins (2014) Source and biolability of ancient dissolved organic matter in glacier and lake ecosystems on the Tibetan Plateau. *Geochimica et Cosmochimica Acta*, 142: 64-74. Doi: 10.1016/j.gca.2014.08.006
- Fellman, J.B., **E. Hood**, R.G.M. Spencer, A. Stubbins, and P. Raymond (2014) Watershed glacier coverage influences dissolved organic matter biogeochemistry in coastal watersheds of southeast Alaska. *Ecosystems* 17: 1014-1025. doi: 10.1007/s10021-014-9777-1.
- Spencer, R.G.M, A. Vermilyea, J. Fellman, P. Raymond, A. Stubbins, D. Scott, and **E. Hood** (2014) Seasonal variability of organic matter composition in an Alaskan glacier outflow: insights into glacier carbon sources. *Environmental Research Letters* 9: 055005. doi:10.1088/1748-9326/9/5/055005

- O'Neel, S., **E. Hood**, A. Arendt, and L. Sass (2014) Assessing streamflow sensitivity to variations in glacier mass balance. *Climatic Change* 123: 329-341. DOI 10.1007/s10584-013-1042-7.
- Nagorski, S., D. Engstrom, J. Hudson, D. Krabbenhoft, **E. Hood**, J. DeWild, and G. Aiken (2014) Spatial distribution of mercury in southeastern Alaskan streams influenced by glaciers, wetlands, and salmon. *Environmental Pollution* 182: 62-72.
- Fellman, J.B., S. Nagorski, S. Pyare, A. Vermilyea, D. Scott, and **E. Hood** (2014) Stream temperature response to variable glacier coverage in coastal watersheds of southeast Alaska. *Hydrological Processes* 28: 2062-2073. DOI: 10.1002/hyp.9742
- Stubbins, A., **E. Hood**, P.A. Raymond, G.R. Aiken, R.L. Sleighter, P.J. Hernes, D. Butman, P.G. Hatcher, R.G. Striegl, P. Schuster, H.A.N. Abdulla, A. Vermilyea, D.T. Scott, and R.G.M. Spencer (2012) Anthropogenic aerosols as a source of ancient dissolved organic matter in glaciers, *Nature Geoscience* 5: 198-201, doi:10.1038/ngeo1403.
- Williams, M.W., R.T. Barnes, J.N. Parman, M. Freppaz, and **E. Hood** (2011) Stream water chemistry along an elevational gradient from the Continental Divide to the foothills of the Rocky Mountains. *Vadose Zone J.* 10: 900-914. doi:10.2136/vzj2010.0131
- Petrone, K.C., J.B. Fellman, **E. Hood**, M.J. Donn, and P. Grierson (2011) The origin and function of dissolved organic matter in agro-urban coastal streams, *J. Geophysical Research*, 116, G01028, doi:10.1029/2010JG001537.
- Scott, D.T., **E. Hood**, and M. Nassry (2010) In-stream uptake and retention of C, N, and P in a supraglacial stream. *Annals of Glaciology* 51: 80–86.
- Fellman, J., **E. Hood**, and R.G.M. Spencer (2010) Fluorescence spectroscopy opens new windows into dissolved organic matter dynamics in freshwater ecosystems: A review. *Limnology and Oceanography*, 55: 2452-2462, doi:10.4319/lo.2010.55.6.2452
- Fellman, J., R.G.M. Spencer, R. Edwards, D. D'Amore, P.J. Hernes, and **E. Hood** (2010) The impact of glacier runoff on the biodegradability and biochemical composition of terrigenous dissolved organic matter in near-shore marine ecosystems, *Marine Chemistry* 121: 112-122, doi:10.1016/j.marchem.2010.03.009.
- Neal, E.G., **E. Hood**, and K. Smikrud (2010) Contribution of glacier runoff to freshwater discharge into the Gulf of Alaska. *Geophys. Res. Lett.*, 37: L06404, doi:10.1029/2010GL042385.
- D'Amore, D., J. Fellman, R.T. Edwards, and **E. Hood** (2010) Controls on dissolved organic matter concentrations in soils and streams from a forested wetland and sloping bog in southeast Alaska. *Ecohydrology* 3: 249-261, doi: 10.1002/eco.101
- Hood, E.**, J. Fellman, R.G.M. Spencer, P.J. Hernes, R. Edwards, D. D'Amore, and D. Scott (2009) Glaciers as a source of ancient and labile organic matter to the marine environment. *Nature* 462: 1044-1048, doi:10.1038/nature08580.
- Sattin, S., C. Cleveland, **E. Hood**, S. Reed, A. King, S. Schmidt, M. Robeson, N. Ascurranz, and D. Nemergut (2009) Functional shifts in unvegetated, perhumid, recently-deglaciated soils do not correlate with shifts in soil bacterial community composition. *J. Microbiol.* 47: 673-681, doi:10.1007/s12275-009-0194-7.
- Fellman, J., **E. Hood**, R. Edwards, D. D'Amore, and D. White (2009) Seasonal changes in the chemical quality and biodegradability of dissolved organic matter exported

- from soils to streams in coastal temperate watersheds. *Biogeochemistry*, doi 10.1007/s10533-009-9336-6.
- Hood, E.**, and L. Berner* (2009) Effects of changing glacial coverage on the physical and biogeochemical properties of coastal streams in southeastern Alaska, *J. Geophys. Res.*, 114, G03001, doi:10.1029/2009JG000971.
- Fellman, J., **E. Hood**, R. Edwards, and J.B. Jones (2009) Uptake of allochthonous dissolved organic matter from soil and salmon in coastal temperate rainforest streams. *Ecosystems*, doi:10.1007/s10021-009-9254-4.
- White, K.S, G. Pendleton, and **E. Hood** (2009) Effects of snow on Sitka black-tailed deer browse availability and nutritional carrying capacity in southeastern Alaska. *Journal of Wildlife Management*, 73: 481-487, doi: 10.2193/2007-499.
- Fellman, J., **E. Hood**, R. Edwards, and D. D'Amore (2009) Changes in the concentration, biodegradability and fluorescent properties of dissolved organic matter during stormflows in coastal temperate watersheds. *Journal of Geophysical Research-Biogeosciences*, 114, G01021, doi:10.1029/2008JG000790.
- Bower, J.P.*, **E. Hood**, and L.A. Hoferkamp (2008) Major solutes, metals, and alkylated aromatic compounds in high-latitude maritime snowpacks near the trans-Alaska pipeline terminal, Valdez, Alaska. *Environ. Res. Lett.* 3, 045010.
- Hood, E.** and D. T. Scott (2008) Riverine organic matter and nutrients in southeast Alaska affected by glacial coverage, *Nature Geoscience* 1: 583-587, doi:10.1038/ngeo280.
- Fellman, J, D. D'Amore, **E. Hood**, and R. Boone (2008) Fluorescence characteristics and biodegradability of DOM in forest and wetland soils from coastal temperate watersheds. *Biogeochemistry* 88: 169-184, DOI 10.1007/s10533-008-9203-x.
- Fellman, J, **E. Hood**, R.T. Edwards, and D. D'Amore (2008) Return of salmon-derived nutrients from the riparian zone to the stream during a storm in southeastern Alaska. *Ecosystems* 11: 537-544, DOI: 10.1007/s10021-008-9139-y.
- Fellman, J, D. D'Amore, and **E. Hood** (2008) An evaluation of freezing as a preservation technique for analyzing dissolved organic C, N and P in surface water samples. *Science of the Total Environment* 392: 305-312.
- Hood, E.**, J. Fellman, and R.T. Edwards (2007) Salmon influences on dissolved organic matter in a coastal temperate brownwater stream: An application of fluorescence spectroscopy. *Limnology and Oceanography* 52: 1580-1587.
- Gende, S.M., A.E. Miller, and **E. Hood** (2007) The effects of salmon carcasses on soil nitrogen pools in a riparian forest of southeast Alaska. *Canadian Journal of Forest Research* 37(7): 1194–1202, doi:10.1139/X06-318.
- Hood, E.**, Miller, A.E., and White, K. (2007) Effects of moose foraging on soil nutrient dynamics in the Gustavus forelands, Alaska, in Piatt, J.F., and Gende, S.M., eds., Proceedings of the Fourth Glacier Bay Science Symposium, October 26–28, 2004: U.S. Geological Survey Scientific Investigations Report 2007-5047, p. 20-24.
- Hood, E.**, M. N. Gooseff, and S. L. Johnson (2006), Changes in the character of stream water dissolved organic carbon during flushing in three small watersheds, Oregon, *J. Geophysical Research* 111: G01007, doi:10.1029/2005JG000082.
- Hood, E.**, M.W. Williams, and D.M. McKnight (2005) Sources of dissolved organic matter (DOM) in a Rocky Mountain stream using chemical fractionation and stable isotopes. *Biogeochemistry* 74: 231-255, DOI 10.1007/s10533-00404322-5.
- Hood, E.**, K.Scheler*, and P.Carter* (2005) Near-surface faceted crystal formation and snow stability in a high-latitude maritime snow climate, Juneau, Alaska. *Arctic, Antarctic, and Alpine Research* 37(3): 316-322.

- Cleveland, C.C., J. C. Neff, A. R. Townsend, and **E. Hood** (2004) Composition, dynamics, and fate of leached dissolved organic matter in terrestrial ecosystems: Results from a decomposition experiment, *Ecosystems* 7: 275-285, doi: 10.1007/s10021-003-0236-7.
- Hood, E.**, D.M. McKnight, M.W. Williams (2003) Sources and chemical quality of dissolved organic carbon (DOC) across and alpine/subalpine ecotone, Green Lakes Valley, Colorado Front Range. USA. *Water Resources Research* 39 (7), 1188, doi:10.1029/2002WR001738.
- Hood, E.**, M.W. Williams, and N. Caine (2003) Landscape controls on organic and inorganic nitrogen leaching across an alpine-subalpine ecotone, Green Lakes Valley, Colorado Front Range. *Ecosystems* 6: 31-45.
- Hood, E.**, M.W. Williams, N. Caine (2002) Yields of dissolved C, N, and P from three high-elevations catchments, Colorado Front Range, USA. *Water, Air, and Soil Pollution: Focus* 2, 165-180.
- Hood, E.** and M.W. Williams (2001) Seasonal changes in the character and nitrogen content of dissolved organic material in an alpine/subalpine headwater catchment. *TheScientificWorld*, V 1, 2001.
- Williams, M.W., **E. Hood**, and N. Caine (2001) The role of dissolved organic nitrogen in the nitrogen cycle of a high-elevation catchment, Colorado Front Range, USA. *Water Resources Research* 37: 2569-2582.
- Williams, M.W., **E.W. Hood**, B. Francou, G. Ostberg, and R. Galarraga (2001) Synoptic survey of inorganic and organic C, N, and P concentrations, Antisana Ecological Reserve, Ecuador. *Arctic, Alpine, and Antarctic Research* 33(4): 397-403.
- Liu, F., M. W. Williams, J. Sun, S. Zhu, **E. Hood**, and G. Cheng (1999) Hydrochemical processes and hydrological separation at the headwaters of the Urumqi River, Tianshan Mountains, China, *Journal of Glaciology and Geocryology*, V 21, N 4, pp 362-370.

Peer-Reviewed Reports and Book Chapters

- D'Amore, D., J. Fellman, R.T. Edwards, **E. Hood**, and C. Ping (2012) *Hydropedology of the North American Coastal Temperate Rainforest*. In Hydropedology: Synergistic Integration of Soil Science and Hydrology, Ed. H. Lin, Elsevier, Amsterdam.
- Nagorski, S., G. Eckert, **E. Hood**, and S. Pyare (2010) *Assessment of Coastal Water Resources and Watershed Conditions at Kenai Fjords National Park, Alaska*. National Park Service, Water Resources Division NPS/NRWRD/NRTR-2010/192. 150p.
- Nagorski, S., G. Eckert, **E. Hood**, and S. Pyare (2008) *Assessment of Coastal Water Resources and Watershed Conditions at Lake Clark National Park and Preserve, Alaska*. National Park Service, Water Resources Division. NPS/NRWRD/NRTR-2008/144. 166p.
- Nagorski, S., G. Eckert, **E. Hood**, and S. Pyare (2007) *Assessment of Coastal Water Resources and Watershed Conditions at Katmai National Park and Preserve, Alaska*. National Park Service, Water Resources Division. NPS/NRWRD/NRTR-2007/372. 178p.
- Nagorski, S., G. Eckert, **E. Hood**, and S. Pyare (2007) *Assessment of Coastal Water Resources and Watershed Conditions at Aniakchack National Monument and Preserve, Alaska*. National Park Service, Water Resources Division. NPS/NRWRD/NRTR-2007/371. 113p.

- Eckert, G., **E. Hood**, S. Nagorski, and C. Talus (2006) Assessment of Coastal Water Resources and Watershed Conditions in Glacier Bay National Park and Preserve, Alaska. National Park Service, Water Resources Division. NPS/NRWRD/NRTR-2006/353. 129p.
- Hood, E.**, G. Eckert, and C. Talus (2006) Assessment of Coastal Water Resources and Watershed Conditions in Klondike Gold Rush National Historical Park, Alaska. National Park Service, Water Resources Division. Technical Report NPS/NRWRD/NRTR-2006/349. 89p.
- Eckert, G., **E. Hood**, S. Nagorski, and C. Talus (2006) Assessment of Coastal Water Resources and Watershed Conditions in Sitka National Historic Park, Alaska. National Park Service, Water Resources Division. Technical Report NPS/NRWRD/NRTR-2006/347. 81p.
- Hood, E.**, G. Eckert, S. Nagorski, and C. Talus (2006) Assessment of Coastal Water Resources and Watershed Conditions in Wrangell – St. Elias National Park and Preserve, Alaska. National Park Service, Water Resources Division. Technical Report NPS/NRWRD/NRTR-2006/346. 77p.
- McKnight, D.M., **E. Hood**, and L. Klapper (2003) Trace organic moieties of dissolved organic material in natural waters, in Aquatic Ecosystems: Interactivity of Dissolved Organic Matter (S. Findlay and R. Sinsabaugh eds.). Aquatic Ecology Series, Academic Press, 71-96.
- Williams, M.W., **Hood, E.**, and Caine, N. (2002) Headwater catchments of the Boulder Creek Watershed: Chapter 8 in Murphy, S.F., Verplanck, P.L., and Barber, L.B., Eds., Comprehensive water quality of the Boulder Creek Watershed, Colorado, during high-flow and low-flow conditions: U.S. Geological Survey Water Resources Investigations Report.

Technical Reports

- Kelly, B., T. Ainsworth, S. Boyce, **E. Hood**, P. Murphy, and J. Powell (2007) Climate Change: Predicted Impacts on Juneau. Report to Mayor Bruce Botelho and the City and Borough of Juneau Assembly by the CBJ Scientific Panel on Climate Change. Available at the City and Borough of Juneau Website: http://www.juneau.org/clerk/boards/Climate_Change/CBJ%20_Climate_Report_Final.pdf
- Nagorski, S., **E. Hood**, and L. Hoferkamp (2006) Watershed Protection and Recovery for Duck Creek, Jordan Creek, and Peterson Hill Creek. Final Reports submitted to Alaska Department of Environmental Conservation for the period July 1, 2005-June 30, 2006. 69p.
- Hood, E.**, L. Hoferkamp, and J. Hudson (2005) Jordan and Duck Creek Watershed Protection and Recovery. Final reports submitted to Alaska Department of Environmental Conservation for the period July 1, 2004-June 30, 2005. 24p.
- Hood, E.** (2004) Mendenhall Watershed Protection and Recovery. Final report submitted to Alaska Department of Environmental Conservation for the period July 1, 2003-June 30, 2004. 16p.
- Hood, E.** (2003) Water Quality Assessment for Montana Creek in Juneau, Alaska. Final reports submitted to Alaska Department of Environmental Conservation for the period July 1, 2002-June 30, 2003. 13pp.

SYNERGISTIC ACTIVITIES

Professional and Scientific

Co-Organizer, Interdisciplinary Workshop on Biogeochemical Cycling in the Pacific Coastal Temperate Forest Ecoregion, NSF Coastal Margins Research Coordination Network, University of Washington, Seattle, WA, February, 2017.

Lead Convener, Alaska Climate Science Center: Interdisciplinary Workshop on Glacier-Ecosystem Dynamics, March 2013, Juneau, Alaska.

Associate Editor, *Biogeochemistry*, 2007-2013.

Steering Committee, Dept. of Interior Alaska Climate Science Center, 2010-2017.

Board of Directors, American Water Resources Association, Alaska Chapter, 2008-2010.

Member, City and Borough of Juneau Mayor's Panel on Climate Change, 2006-2007.

Co-PI, Assessment of Coastal Water Resources and Estuarine Conditions in Selected National Parks of Southeast and Southwest Alaska, 2004-2007.

Journal Article Reviews (42 Total, 2005-2017)

- Ecosystems
- Journal of Geophysical Research – Biogeosciences
- Nature Geoscience
- Arctic and Alpine Research
- Global Change Biology
- Biogeochemistry
- Journal of Hydrology
- Aquatic Science
- Environmental Science and Technology
- Limnology and Oceanography
- Atmospheric Environment
- Chemical Geology
- Water Resources Research
- Geophysical Research Letters

National Science Foundation Proposal Reviewer (21 Total, 2007-2017)

- Ecosystems Program
- Hydrology Program
- Arctic Natural Sciences Program
- Major Research Instrumentation Program

Professional Societies

- American Geophysical Union
- American Society of Limnology and Oceanography
- American Association for the Advancement of Science

Educational and Community

Juneau/Douglas High School Science Fair Mentor/Judge 2004-present

Mentored 6 science fair students in last 10 years

Board Member (Chair): *Juneau Climbing and Recreation*, Juneau, Alaska, 2013-present

Board Member (Chair): *Juneau Watershed Partnership*, Juneau, Alaska, 2003-2010

Host/Organizer of Visiting Speakers at UAS:

Arctic Research Consortium of the United States (ARCUS) Visiting Speakers – Mark Williams, Univ. of Colorado, 2004; Ming Koo Woo, McMaster University, 2005. University of Alaska, International Polar Year Visiting Speakers – Michael Gooseff (Penn State University), 2007; Diana Nemergut (Univ. of Colorado), 2007. Hydrology/Glaciology Instructor for Alaska Marine Highway and U.S. Forest Service Mendenhall Glacier Visitor Center Naturalists, Juneau, Alaska 2005-present. Undergraduate Student Mentor: National Science Foundation Research Experience for Undergraduates (REU) Program and University of Alaska E PSCoR Undergraduate Research Program (12 Students total, summers 2005-2012). Consultant, NSF-funded PBS Dragonfly TV Children’s Science Program on Mendenhall Glacier, 2006.

FUNDED RESEARCH GRANTS

External support

- E. Hood** and S. Pyare, 2016-2017. Stream Temperature monitoring network for southeast Alaska, *US Forest Service*. \$10,642.
- E. Hood**, J. Fellman, and S. Nagorski. 2016. Black Carbon on the Juneau Icefield. *US Forest Service*. \$32,000.
- S. O’Neel, **E. Hood**, A. Arendt, C. Larsen, D. Hill, and A. Bidlack. 2015-2017. Ice2O: Assessing ecosystem-wide implications of glacier change in the PCTR. *Alaska Climate Science Center*. \$200,000 (\$36K to UAS).
- E. Hood** and S. Pyare, 2015-2016. Linking landscape characteristics and stream temperature in the coastal temperate rainforest of southeast Alaska. *USGS National Institutes for Water Resources*. \$19,264.
- J. Fellman, **E. Hood**, and A. Bidlack, 2013-2018. Carbon fluxes in the Pacific Coastal Temperate Rainforest, *U.S. Forest Service*, \$119,977.
- E. Hood** and S. Pyare, 2013-2014. Assessing the Sensitivity of Alaska’s Coastal Rainforest Ecosystem to Changes in Glacier Runoff. *U.S. Geological Survey*, \$142,741.
- E. Hood**, 2013-2017. Alaska Climate Science Center Advisory Committee. \$76,689.
- D. Hill, A. Arendt, and **E. Hood**. 2012-2015. Development and validation of an updated hydrological model for Prince William Sound, Alaska. *Oil Spill Research Institute*, \$450,000K (\$94K to UAS).
- E. Hood**, 2012-2013. Workshop: Impacts of glacier change in Alaska. *Alaska Climate Science Center*, \$41,809.
- A. Stubbins, **E. Hood**, P. Raymond, R. Spencer, and M. Frischer. 2012-2014. Collaborative Research: Are glacial exports of labile, ancient organic matter driven by fossil fuel combustion product deposition? *National Science Foundation*, Ecosystem Science Program, \$717K (\$259K to UAS).
- M. Arimitsu, **E. Hood**, J. Piatt, and K. Hobson, 2012-2015. Glacier runoff and marine food webs. *North Pacific Research Board*, \$268,000 (\$44K to UAS).
- E. Hood** and S. Pyare, 2012-2013. Assessing the Sensitivity of Alaska’s Coastal Rainforest Ecosystem to Changes in Glacier Runoff. *U.S. Geological Survey*, \$43,771.
- E. Hood**, A. Vermilyea, C. Connor, and S. Nagorski. 2011-2012. Acquisition of instrumentation to support research and undergraduate training in hydrology and

- biogeochemistry at the University of Alaska Southeast. *National Science Foundation*. Earth Sciences Instrumentation Program. \$79,500.
- E. Hood** and S. Pyare, 2011-2012. Assessing the Sensitivity of Alaska's Coastal Rainforest Ecosystem to Changes in Glacier Runoff. *U.S. Geological Survey*, \$25,000.
- R. Hock, **E. Hood**, and J. Zhang, 2010-2013. Collaborative research: Present and future contribution of glacial runoff to freshwater discharge into the Gulf of Alaska, *National Science Foundation*, \$430,000 (85K to UAS).
- E. Hood**, 2009-2014. Soil contributions to watershed functions: Soil hydrology and biogeochemistry, *U.S. Forest Service*, \$96,005.
- D. Nemergut, C. Cleveland, **E. Hood**, and S. Schmidt, 2009-2012. Collaborative Research: Links between soil biogeochemistry and microbial community dynamics along recently deglaciated chronosequences, *National Science Foundation*, \$420,000 (70K to UAS).
- E. Hood**, 2009. Instrument upgrade of the National Atmospheric Deposition Site, *U.S. Forest Service*, \$10,750.
- E. Hood** and D.T. Scott, 2009-2011 (3 yr) Collaborative Research: How Does Changing Glacial Coverage Affect the Transport and Fate of DOM and Nutrients in Coastal Watersheds on the Gulf of Alaska?, *National Science Foundation*, \$357,083.
- M. Heavner, **E. Hood**, D.R. Fatland, and C. Connor, 2006-2009 (3 yr) SEAMONSTER: A Smart Sensor Web in Southeast Alaska. *NASA*, \$881,772.
- S. Nagorski and **E. Hood**, 2006-2007 (1 yr) Watershed protection and assessment for Jordan, Duck, Lemon, and Vanderbilt Hill Creeks, *Alaska Department of Environmental Conservation*, \$24,708.
- S. Nagorski and **E. Hood**, 2006-2007 (1 yr) Technical Assistance in Evaluating, Summarizing, and Developing Monitoring Components of the National Park Service's Southeast Alaska Network Inventory and Monitoring Program, *National Park Service*, \$42,000.
- E. Hood**, R.T. Edwards, and D.V. D'Amore, 2005-2008 (3 yr) Wetland and salmon contributions to dissolved organic matter loads in forested watersheds, *US Department of Agriculture National Research Initiative*, Competitive Grants Program, \$295,000.
- E. Hood**, 2005-2008 (3 yr) Soil contributions to watershed functions: Influence of basin characteristics on carbon and nutrient inputs to southeast Alaska streams, *US Forest Service*, \$40,000.
- E. Hood**, S. Nagorski, and L. Hoferkamp. 2005-6 (1 yr) Watershed protection and recovery on Jordan Creek, Duck Creek, and Peterson Hill Creek near Juneau, Alaska. *Alaska Department of Environmental Conservation* (sub-contract through Mendenhall Watershed Partnership), \$22, 812.
- S. Nagorski, G. Eckert, **E. Hood**, and S. Pyare, 2005-7 (2 yr) Assessment of coastal water resources and watershed conditions in and adjacent to southwest Alaska National Parks, *National Park Service* \$121,500.
- G. Eckert and **E. Hood**. 2004-5 (1 yr). Assessment of Coastal Water Resources and Estuarine Conditions in Selected National Parks of Southeast Alaska. *National Park Service*, \$69,700.
- E. Hood**. 2004-7 (3 yrs). Pacific Salmon as Indicators of Ecosystem Health. *National Park Service*, \$39,664.

- E. Hood** and L. Hoferkamp. 2004-5 (1 yr). Water Quality Monitoring on Duck and Jordan Creeks, Juneau, Alaska. *Alaska Department of Environmental Conservation* (sub-contract through Mendenhall Watershed Partnership), \$27,810.
- E. Hood**, C. Byers, and M. T. Walter. 2003-4 (1 Yr). Mendenhall Watershed Protection and Assessment, *Alaska Dept of Environmental Conservation*, \$22,200.
- E. Hood**. 2003-2005 (2 Y rs). P recipitation C hemistry M onitoring S ite in Southeast Alaska. *US Forest Service*, \$20,010.
- T. Walter, **E. Hood**, C. Connor, C. Byers. 2002-3 (1 Yr). Montana Creek Protection and Assessment, *Alaska Dept of Environmental Conservation*, \$23,113.

Internal (University of Alaska) Support

- S. Nagorski, J. Fellman, **E. Hood**. (2017) Assessing spatiotemporal variability of water quality impacts to southeast Alaska. *Alaska Idea Network of Biomedical Research Excellence (INBRE)* pilot grant \$74,983.
- S. Nagorski, J. Fellman, **E. Hood**, S. Kaspari 2016. Black Carbon Deposition onto the Juneau Icefield. *Alaska EPSCoR Seed Grant*. \$43,300.
- E. Hood**, S. Nagorski, A. Vermilyea, and I. Smith*. Landscape controls on mercury pollution in aquatic ecosystems in southeastern Alaska. UAS Chancellor's Rainforest Ecology Research Fund. \$6900 (direct costs only).
- E. Hood**. 2009 Funding to develop an NSF Proposal related to the effects of cryospheric changes on estuarine productivity in sub-arctic Alaska, NSF-Alaska EPSCoR. \$7,652.
- K. Michael* and **E. Hood**. 2007 (1 yr). *Alaska EPSCoR Undergraduate Student Research Support Award* "Carbon and Nitrogen Leaching from Wetland Soil Profiles in Southeast Alaska". NSF-Alaska EPSCoR. \$5000 (direct costs only).
- N. Schlosstein* and **E. Hood**. 2007 (1 yr). UAS Chancellor's Rainforest Research Support Award "Effects of post-glacial succession on streamwater quality and aquatic ecology in southeastern Alaska". UAS Chancellor's Rainforest Ecology Research Fund. \$4825 (direct costs only).
- P. Flynn* and **E. Hood**. 2006 (1 yr). Alaska EPSCoR Undergraduate Student Research Support Award "Contributions of Lemon Glacier to Stream Flow in the Lemon Creek Watershed Juneau, Alaska". NSF-Alaska EPSCoR. \$1500 (direct costs only).
- E. Hood**. 2005-6 (1 yr). Alaska EPSCoR Young Investigator First Award "Dissolved organic matter dynamics in coastal Alaskan streams". NSF-Alaska EPSCoR. \$29,856 (direct costs only).
- M. Heavner and **E. Hood**. 2005-6 (1 yr). Establishment of Collaborative Monitoring of Mendenhall Glacier between the University of Alaska Southeast and the United States Forest Service. UA President's Special Project Fund, \$5,100.
- D. Bleidorn* and **E. Hood** 2005-6 (1 yr) Vegetable oil hybrid car conversion project. UAS Chancellor's Special Project Fund. \$1200.
- E. Hood**, C. Connor, M. Heavner, L. Hoferkamp, and S. Pyare. 2005-6 (1 yr) ENVS undergraduate student travel. UAS Chancellor's Special Project Fund. \$5000.
- J. Bower* and **E. Hood**. 2005 (1 yr). Alaska EPSCoR Undergraduate Student Research Support Award "Accumulation and fate of atmospheric volatile organic compounds in a high latitude maritime snow climate Valdez, Alaska". NSF-Alaska EPSCoR. \$1500 (direct costs only).

- D. Shallies* and **E. Hood**. 2005 (1 yr). Alaska EPSCoR Undergraduate Student Research Support Award “A GIS based model for the spatial distribution of snow accumulation in the Fish Creek Watershed Juneau, Alaska”. NSF-Alaska EPSCoR. \$1402 (direct costs only).
- M. Heavner and **E. Hood**. 2004-5 (1 yr) UAS Environmental Sciences Undergraduate Research Support for Glacier, Snow, and Climate Studies. UAS Chancellor’s Special Project Fund. \$5000.
- E. Hood** and M. Heavner. 2003-4 (1 yr) UAS Field Research Site for Snow and Climate Studies. UAS Chancellor’s Special Project Fund. \$1500.
- E. Hood** and K. Scheler*. 2002-3 (1 yr). Undergraduate research on weak layer formation and avalanche dynamics in maritime snow climates . UAS Chancellor’s Fund, \$2,000.
- E. Hood** and L. Hoferkamp. 2002-3 (1 yr). National Atmospheric Deposition Program site in Southeast AK, UA President’s Special Project Fund, \$5,000.

RECENT PRESENTATIONS (Last 5 years)

- Nagorski SA, Hudson, JP, Fellman JB, **Hood E**, Vermilyea A, Krabbenhoft DP, Ylitalo G. Do spawning salmon contribute marine-derived contaminants to southeast Alaskan streams? *American Geophysical Union Fall Meeting*, San Francisco, CA, December 12-16, 2016.
- Hood, E.**, J. Fellman, D. Scott, S. Nagorski, M. Nassry, and R. Spencer. Climate driven changes in organic C export from the coastal temperate rainforest. Impact of Extreme Events on Biogeochemical Cycling, *Chapman Conference*, Puerto Rico, January 23-27, 2017.
- Bellmore, JR, Fellman JB, **Hood E**, Edwards and Chaloner D. Landscape heterogeneity stabilizes southeast Alaska freshwater food webs and fish productivity. *American Fisheries Society – Alaska Chapter annual meeting*, Fairbanks, AK, March 19-23, 2017
- Schroth, A, B. Rosenberg, S. Nagorski, **E. Hood**, A. Vermilyea, and E. Joung. Iron speciation and provenance control potential reactivity and impact on carbon and phosphorus cycling from catchments to receiving waters, ASLO Spring Meeting, Santa Fe, NM. February, 2016. (poster)
- Hood, E.**, S. O’Neel, J. Fellman, A. Bidlack, A. Arendt, M. Arimitsu, and R. Spencer. Implications of glacier volume change for ice-ocean interactions. AGU Fall Meeting, San Francisco, CA. December 14-18, 2015. (Invited talk)
- Fellman, J., D.V. D’Amore, and **E. Hood**. Potential vulnerability of southeast Alaskan wetland soil carbon stocks to climate warming. AGU Fall Meeting, San Francisco, CA. December 14-18, 2015. (poster)
- D’Amore, D.V., R. Edwards, J. Fellman, P. Herendeen, and **E. Hood**. Hydropedological hotspots for dissolved organic carbon loading to streams along the perhumid temperate coastal rainforest margin of Alaska AGU Fall Meeting, San Francisco, CA. December 14-18, 2015. (poster)
- Hood, E.** and J. Amundson. The Suicide basin outburst flood: Geophysical research for science and resource management. Climate, Conservation, and Community in Alaska and Northwest Canada conference, Anchorage, Alaska, November 4 – 6, 2014.

- Hood, E.**, S. O’Neel, A. Bidlack, and A. Arendt. Implications of biophysical linkages in Alaska’s icefield-to-ocean-ecosystem. Climate, Conservation, and Community in Alaska and Northwest Canada conference, Anchorage, Alaska, November 4 – 6, 2014.
- Pyare, S., **E.W. Hood**, M. Winfree, E.W. Nichols, W. Dryer, M.I. Goldstein, S. Ellison & J. Fellman. Past, current & future stream temperatures in Southeast Alaska. Climate, Conservation, and Community in Alaska and Northwest Canada conference, Anchorage, Alaska, November 4 – 6, 2014.
- Whitehead, A., J. Fellman, and **E. Hood**. Dissolved organic carbon degradation pathways in southeast Alaska. Alaska Section, American Water Resources Association Annual Meeting. Juneau, AK. October 22-24, 2014.
- Nagorski, S, E.G. Neal, J.P. Hodson, D. Krabbenhoft, G.R. Aiken, **E. Hood**, J. DeWild, and T.P. Brabets. Contrasting mercury dynamics and uptake in three adjacent watersheds near Gustavus, southeast Alaska. Alaska Section, American Water Resources Association Annual Meeting. Juneau, AK. October 22-24, 2014.
- Jacobs, A., **E. Hood**, and T. Moran. Simulating Glacial Outburst Lake releases for Suicide Basin, Mendenhall Glacier, Juneau, Alaska. Alaska Section, American Water Resources Association Annual Meeting. Juneau, AK. October 22-24, 2014.
- Fellman, J., **E. Hood**, P. Raymond, A. Stubbins, and R. Spencer. Spatial Drivers in the Origin and Composition of Dissolved Organic Matter in Snow: Implications for Proglacial Stream Biogeochemistry. AGU Fall meeting, San Francisco, CA. December 15-19, 2014.
- Beamer, J., D. Hill, A. Arendt, G. Liston, **E. Hood**. High-Resolution Modeling of Freshwater Discharge and Glacier Mass Balance in the Gulf of Alaska Drainage. AGU Fall meeting, San Francisco, CA. December 15-19, 2014.
- Arimitsu, M., J. Piatt, K. Hobson, **E. Hood**, and J. Fellman. Hydrogen and carbon stable isotopes ($\delta^2\text{H}$, $\delta^{13}\text{C}$) trace glacier runoff through coastal marine food webs in the Gulf of Alaska. Alaska Marine Science Symposium. Anchorage, Alaska. January 2014.
- Hood, E.** Climate change impacts on stream carbon export from coastal temperate rainforest ecosystems in Alaska, AGU Fall Meeting, December 2013, San Francisco, CA, H43B-1446 (invited poster).
- Fellman, J., **E. Hood**, P. Raymond, M. Bozeman, J. Hodson, and M. Arimitsu. Assimilation of aged organic carbon in a glacial river food web, AGU Fall Meeting, December 2013, San Francisco, CA, GC22C-07 (poster).
- O’Neel, S., **E. Hood**, A. Arendt, L. Sass, and R. March. Assessing streamflow sensitivity to variations in glacier mass balance, AGU Fall Meeting, December 2013, San Francisco, CA, GC23D-0975 (poster).
- Pyare, S. and **E. Hood**. Spatiotemporal analysis of regional climate effects on stream temperatures in Southeast Alaska. Southeast Alaska Watershed Symposium. Centennial Hall, Juneau, Alaska. November, 2013.
- Hill, D.F., Beamer, J., Arendt, A., **Hood, E.**, 2013, “Development and validation of an updated hydrological model for Prince William Sound, Alaska,” Oil Spill Recovery Institute Advisory Board Meeting, Cordova, AK.
- Vermilyea, A. W., **E. Hood**, D. Scott, A. Stubbins, R. Spencer, P. Raymond, J. Fellman, and A. Schroth. Alaskan glacier dichotomy: Melt season dynamics of nutrients and mercury. ASLO Aquatic Sciences Meeting, New Orleans, LA, 2013 (oral presentation).

- Schroth, A. W., **E. Hood**, A. Vermilyea, J.B. Fellman, and D. Scott. Time-series insights into trace metal dynamics in Alaskan catchments with varying degrees of glaciation. ASLO Aquatic Sciences Meeting, New Orleans, LA, 2013 (oral presentation).
- Hood, E. W.**, R.M. Hock, D.T. Scott, A. Schroth, and J. Zhang. Future changes in water and nutrient fluxes from glacier watersheds in Alaska. ASLO Aquatic Sciences Meeting, New Orleans, LA, 2013 (oral presentation).
- Scott, D. T., **E. Hood**, A. Vermilyea, and A. Schroth. Seasonal nutrient and iron fluxes from a glacier along the gulf of Alaska: Insight into material export into coastal estuaries. ASLO Aquatic Sciences Meeting, New Orleans, LA, 2013 (oral presentation).
- Fellman, J., **E. Hood**, E., A. Stubbins, R. Spencer, and P. Raymond. Variable glacial coverage influences dissolved organic matter biogeochemistry in coastal watersheds of southeast Alaska. ASLO Aquatic Sciences Meeting, New Orleans, LA, 2013 (oral presentation).
- Hood, E.** Biogeochemistry of Glacial Runoff. Impacts of Glacier Runoff Workshop. University of Alaska Southeast and Alaska Climate Science Center, Juneau, AK, March 5, 2012 (oral presentation).
- Hood, E.**, D. Scott, A. Vermilyea, R.G. Spencer, A. Stubbins, and P. Raymond. Insights into physical and biological controls on the export of organic matter and nutrients from glacier ecosystems, AGU Fall Meeting, December 2012, San Francisco, CA, C23E-02 (Invited talk).
- Hood, E.**, J. Fellman, S. Nagorski, A. Vermilyea, S. Pyare, and D. Scott. Stream temperature response to variable glacier coverage in coastal watersheds of northern southeast Alaska, AGU Fall Meeting, December 2012, San Francisco, CA, C23E-02 (poster).
- Hood, E.** D. Scott, A. Vermilyea, J. Fellman, A. Stubbins, P. Raymond, and R. Spencer. Biogeochemistry of glacier runoff along the Gulf of Alaska. International Glaciological Society Meeting: Glaciers and Ice Sheets in a Changing Climate, Fairbanks, AK, June, 2012 (oral presentation).
- O'Neel, S., H.P. Marshall, L. Sass, **E. Hood**, A. Arendt, and R. March. Contribution of glacier runoff to stream flow in two Alaskan climate regimes. International Glaciological Society Meeting: Glaciers and Ice Sheets in a Changing Climate, Fairbanks, AK, June, 2012 (poster presentation).
- Hekkers, M., R. Motyka, S. O'Neel, C. Connor, and **E. Hood**. Mass Balance Challenges at the Mendenhall Glacier, Juneau, AK. International Glaciological Society Meeting: Glaciers and Ice Sheets in a Changing Climate, Fairbanks, AK, June, 2012 (poster presentation).
- Hood, E.** D. Scott, A. Vermilyea, J. Fellman, A. Stubbins, P. Raymond, and R. Spencer. Biogeochemistry of glacier runoff along the Gulf of Alaska. European Geosciences Union Annual Meeting, Vienna, Austria, April, 2012 (Invited poster presentation).
- Fellman, J., S. Nagorski, A. Vermilyea, D. Scott, S. Pyare, and **E. Hood**. Stream temperature response to changing glacier coverage in coastal watersheds of southeast Alaska. *American Water Resources Association Alaska Section*, Annual Meeting, Juneau, AK, March, 2012 (oral presentation).

- Hood, E.**, A. Jacobs, E. Neal, and T. Mattice. The 2011 Mendenhall Glacier outburst flood. . *American Water Resources Association Alaska Section, Annual Meeting*, Juneau, AK, March, 2012 (oral presentation).
- Hock, R.M., J. Zhang, S.J. Herreid, **E. Hood**, and M. Hekkers. How will glaciers affect runoff in Alaska?, *American Water Resources Association Alaska Section, Annual Meeting*, Juneau, AK, March, 2012 (oral presentation).

Invited Seminars, Public Lectures and Trainings

- Eran Hood and Sonia Nagorski. Black Carbon on White Glaciers. Mendenhall Visitor Center Fireside Chat (2 lectures), March 2017.
- Eran Hood. *Glaciers and Climate Change*. Annual Naturalist Staff Training, Mendenhall Glacier Visitor Center. April, 2017.
- Eran Hood. *Glaciers, Climate Change and Glacier-Ecosystem Interactions*. Naturalist Staff Training for Glacier Bay National Park and Preserve. Gustavus, Alaska. May, 2017.
- Eran Hood. *The Pacific Coastal Temperate Rainforest Ecoregion and Glacier Change in Alaska*. Juneau Icefield Research Program, June 2017.
- Eran Hood. *Glaciers and Climate Change*. Annual Naturalist Staff Training, Mendenhall Glacier Visitor Center. April, 2016.
- Eran Hood. *Climate Change and Water Resources in southeast Alaska*. Jim Powell's Environmental Management and Sustainability classes, Fall 2015 and Spring 2016.
- Eran Hood. *Glacier Change impacts on the Biogeochemistry of Coastal Ecosystems in Alaska*. UAF SFOS Climate Change Graduate Seminar, October 2015.
- Eran Hood (University of Alaska Southeast) and Shad O'Neel (USGS Alaska Science Center), *Icefield-to-ocean linkages across the northern Pacific coastal temperate rainforest ecosystem*. *Alaska Center for Climate and Policy (ACAAP) Webinar Series*. March, 2015
- Eran Hood and Jason Amundson, *The 2014 Mendenhall Glacier Outburst Flood, Fireside Lecture Series, Mendenhall Glacier Visitor Center*. February, 2015.
- Eran Hood. *Juneau's Changing Snow Climate*. Evening at Egan. November, 2014.
- Hood, E. and S. O'Neel. *From Icefield to Ocean: Impacts of Glacier Change in Alaska*. *Mendenhall Glacier Visitor Center Fireside Chat*. March 8, 2013. Juneau, Alaska.
- Hood, E. and J. Amundson. . *Monitoring the Mendenhall Outburst Flood*. *Evening at Egan Lecture Series. University of Alaska Southeast*. September 21, 2012.
- Hood, E., A. Jacobs, and T. Mattice. *The 2011 Mendenhall Outburst Flood, Mendenhall Glacier Visitor Center Fireside Chat*, Feb. 10, 2012.
- Hood, E. *The Juneau Icefield and the Mendenhall Outburst Flood*. *Juneau Bar Association Monthly Meeting*, August 26, 2011.
- Hood, E., A. Jacobs, and T. Mattice. *The Mendenhall Outburst Flood: What Happened?*, *Alaska Wildlife Alliance - Wildlife Wednesday Lecture Series*, UAS, Sept. 7, 2011.
- Hood, E. *Global Climate Change*. Talk at the *UAS 350 Day student event at the UAS Recreation Center*, Sept. 24, 2011.
- Hood, E. *Climate change and water resources in southeast Alaska*. *Tlingit and Haida Southeast Environmental Conference*. Juneau, Alaska, June 28, 2011.
- Hood, E. *Hydrology of Southeast Alaska*. *Alaska Hydrologic Issues and Needs Workshop*, USGS Alaska Science Center, Anchorage, AK, April 20-21, 2011.
- Hood, E. *Glaciers as an alpine source of freshwater and nutrients to marine ecosystems in southeastern Alaska*. *Alaska Chapter of the Wildlife Society Annual Meeting*, Juneau, AK. April 7, 2011.

- Hood, E. Glacial contributions of freshwater and nutrients to the Gulf of Alaska. *University of Alaska Fairbanks*, Department of Geology and Geophysics Lecture Series, October 22, 2010.
- Hood, E. Impacts of climate change on the hydrology of the Tongass National Forest, *USFS Climate Change Summit*, Juneau, AK. May 12, 2010.
- Hood, E. Glaciers in southeast Alaska, *NOAA Marine Naturalists Symposium*, Ted Stevens Marine Science Center, Juneau, AK. April 29, 2010.
- Hood, E., Characterizing dissolved organic matter (DOM) at the watershed scale: Examples from catchments along the Gulf of Alaska Perth Laboratory – *CLW Public Seminar Series*, February 11 2010, CSIRO Auditorium, Perth, Australia.
- Hood, E., The role of glaciers as a source of freshwater and nutrients to the Gulf of Alaska, School of Plant Biology Seminar series, February 4, 2010, Agriculture Lecture Theatre, *University of Western Australia*, Perth, Australia.
- Hood, E. The hydrology and biogeochemistry of glacier runoff to the Gulf of Alaska, *USGS Alaska Science Center*, Anchorage, AK, November 20, 2009.
- Hood, E., The importance of glaciers as a source of freshwater and nutrients to the Gulf of Alaska, *University of Colorado Institute of Arctic and Alpine Research Fall Lecture Series*, Boulder, CO, October 26, 2009.
- Hood, E. Glaciers, salmon, and wetlands: The hydrology and biogeochemistry of coastal temperate rainforest streams in southeast Alaska. *University of Nebraska, Spring Water Lecture Series*, Feb, 2008.
- Hood, E. The influence of salmon and wetlands on the biogeochemistry of streams in southeastern Alaska. *University of Alaska Fairbanks, Water and Environmental Research Center*, May, 2008.

Graduate Advisees:

Jason Fellman (Univ. of Alaska Fairbanks)	PhD	2005-2009
Jonathan O'Donnell (Univ. of Alaska Fairbanks)	PhD	2007-2010
Mike Nassry (Virginia Tech)	PhD	2009-2013
Stacey Reisdorph (Univ. of Alaska Fairbanks)	PhD	2010-2013
Mayumi Arimitsu (Univ. of Alaska Fairbanks)	PhD	2011-2016
Molly Tedesche (Univ. of Alaska Fairbanks)	PhD	2012-2016
Michael Winfree (Univ. of Alaska Fairbanks)	MS	2014-2016
Joanna Young (Univ. of Alaska Fairbanks)	PhD	2015-present

Postdocs:

Andrew Vermilyea (University of Alaska Southeast)	2009-2011
Jason Fellman (University of Alaska Southeast)	2011-2014