

BIOGRAPHICAL SKETCH

Ed Neal

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Education:

Diploma for Graduates	2003	Otago University, Dunedan, New Zealand	Geography
B.S.	1991	Washington State University	Env. Science

Professional Background:

2012-2014	Chief Scientist/Proprietor Alaska Hydrosience
2010-2012	Surface Water Specialist/Hydrologist USGS, Alaska Science Center, Juneau, AK
1995-2012	Hydrologist USGS, Alaska Science Center, Juneau Field Office, AK
1993-1995	Hydrologist USGS, National Water Quality Assessment Program, Las Vegas, NV
1992-1993	Hydrologist USGS, Carson City, NV

Selected Publications:

- 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.
- Neal, E.G.** 2009. Channel Incision and Water-Table Decline Along a Recently Formed Proglacial Stream, Mendenhall Valley, Southeastern Alaska: U.S. Geological Survey Professional Paper 1760-E.
- Neal, E.G.** 2004. Simulated Peak Inflows for Glacier Dammed Russell Fiord, near Yakutat, Alaska, 2004: U.S. Geological Survey Scientific Investigations Report 2004-5234.
- Neal, E.G.** (2007) Hydrology and Glacier-Lake-Outburst Floods (1987-2004) and Water Quality (1998-2003) of the Taku River near Juneau, Alaska: U.S. Geological Survey Scientific Investigations Report 2007-5027.
- Neal, E.G.**, Walter, M.T., and C. Coffeen. 2002. Linking the Pacific decadal oscillation to seasonal stream discharge patterns in southeast Alaska: *Journal of Hydrology* 263, 188-197.
- Neal, E.G.** 1999. Hydrology, geomorphology, and flood profiles of the Mendenhall River, Juneau, Alaska: U.S. Geological Survey Water-Resources Investigations Report 99-4150.

Other Relevant Publications

- Nagorski, S.A., **Neal, E.G.**, and Brabets, T.P., 2013, Mercury and water-quality data from Rink Creek, Salmon River, and Good River, Glacier Bay National Park and Preserve, Alaska, November 2009–October 2011: U.S Geological Survey Open-File Report 2013-1097, 20 p., <http://pubs.usgs.gov/ofr/2013/1097>.

- Host, R.H., **Neal, E.G.** 2005. Hydrology, Geomorphology, and Flood Profiles of Lemon Creek, Juneau, Alaska: U.S. Geological Survey Scientific Investigations Report 2005-5186.
- Neal, E.G.**, Brabets, T.P., Frenzel, S.A. 2004. Water-Quality and Streamflow of the Indian River, Sitka, Alaska, 2001-02: U.S. Geological Survey Scientific Investigations Report 2004-5023
- Neal, E.G.** 2008. Water Quality Monitoring Strategies for the Indian River, Sitka, Alaska. U.S. Geological Survey Administrative Report, prepared for the National Park Service.
- Host, R.H., **Neal E.G.** 2004. Baseline Characteristics of Jordan Creek, Juneau, Alaska: U.S. Geological Survey Open File Report 2004-1220.
- Neal, E.G. 1998.** Hydrologic investigation of the Ophir Creek watershed near Yakutat, Alaska: U.S. Geological Survey Open-File Report 98-1998.
- Neal, E.G.**, Schuster, P.F. 1996. Data on quality of shallow ground water, Las Vegas Urban Area, Nevada, 1993: U.S. Geological Survey Open File Report 96-552.

Synergistic Activities

- Board member of Juneau Watershed Partnership, 2004-2011
- Advisor to Yakutat Salmon Board, 2002-2012
- Guest lecturer in environmental science courses, University of Alaska Southeast, 2007-2012
- Technical Advisor to Southeast Alaska Watershed Coalition, 2011-present.

Scientific Collaborators:

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| Anthony Arendt (UAF Geophysical Institute) | Neil Stichertt (USF&W Juneau) |
| David D'Amore (PNW Forestry Science Lab) | Paul Schuster (USGS Boulder Colorado) |
| David Hill (Oregon State University) | Todd Walter (Cornell University) |
| Sonia Nagorski (Univ. Alaska Southeast) | Kathy Smikrud (ADF&G Juneau) |
| Shad O'Neel (USGS Alaska Science Center) | Tim Brabets. (USGS Alaska Science Center) |
| Randy Host (USGS Alaska Science Center) | Glenn Hodgkins (USGS Maine Science Center) |
| Bill Lucy (Yakutat Salmon Board) | |