

IAN M. NESBITT

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EXPERIENCE

- 2014 - Present **E4SCIENCES, LLC** Sandy Hook, CT / Jersey City, NJ
Geospatial Scientist, Field Operations Manager
- Manage team performing data collection and analysis for both marine and terrestrial projects.
 - Design and execute marine and terrestrial survey plans, often in time-critical conditions, on high-traffic roads and waterways, and in secure and sensitive areas; have TSA TWIC and Secure Worker clearances.
 - Operate and troubleshoot various geophysical and remote sensing instruments; see 'Skills', below.
 - Navigate small (15-60 foot) survey vessels in all weather and traffic conditions with appropriate seamanship.
 - Produce high-quality maps; analyze and interpret large (>1 billion point) geospatial datasets.
 - Present and communicate scientific concepts to both technical and non-technical audiences.
 - Cooperate with government and corporate data privacy procedures to handle privileged information.
 - Coordinate personnel recruitment, including identifying candidates and conducting interviews.
- 2013 - 2014 **SAINT MICHAEL'S COLLEGE / EASTERN INTERCOLLEGIATE SKI ASSOCIATION** Colchester, VT
NCAA Div. I Assistant Nordic Ski Coach / Media Intern
- Instructed athletes in ski technique; provided waxing & race strategy support. / Race journalism, social media.
- 2012 - 2013 **WILLIAMS COLLEGE** Williamstown, MA
Senior Honors Thesis
- Collected alpine stream flow data in the Colorado Front Range and analyzed historic precipitation patterns to understand complex relationship between runoff and absorption patterns during snowmelt.
 - Presented findings at the 2013 GSA Northeastern Section Meeting, & 2013 KECK Geology Consortium.
- 2012 - 2013 **WILLIAMS COLLEGE** Williamstown, MA
Teaching Assistant, GIS and Remote Sensing / Teaching Assistant, Geomorphology
- Assisted professor in lecture, lab, grading, fieldwork, & office hours. Taught sections in professor's absence.
- 2010 - 2011 **WILLIAMS COLLEGE** Williamstown, MA
Student Research Assistant
- Lab of Dr. Mea S. Cook. Paleooceanography and biostratigraphy of Bering Sea benthic foraminifera species.
- 2010 - 2013 **WILLIAMS STUDENTS ONLINE** Williamstown, MA
Treasurer, Software & Database Engineer (volunteer)
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EDUCATION

- 2009 - 2013 **WILLIAMS COLLEGE** Williamstown, MA
Bachelor of Arts with Honors in Geosciences
NCAA Division I Varsity Nordic Ski Team, Cycling Team, Root/Treasurer of Williams Students Online.
Honors Received: Sigma Xi; Williams College Class of 1960 Scholar in Geosciences; NESCAC and NCAA All-Academic Student-Athlete, 2011-2012; Dean's List.
- 2006 - 2009 **HOLDERNESS SCHOOL** Holderness, NH
Degree with Honors
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SKILLS

Marine and terrestrial survey planning, execution, quality assurance/quality control, and post-processing. Field operations, field team participation and management. Operation and troubleshooting of sidescan sonar, multi-beam and single-beam bathymetric sonar, sub-bottom seismic sonar, marine magnetometry, mobile LiDAR, ground-penetrating radar (GPR), terrestrial magnetometry, high-precision global positioning systems (GPS), and inertial motion unit (IMU) devices. ArcGIS, QGIS, and associated tools. Unix/Linux command line, Python, Ruby, SQL, web hosting and development, Matplotlib, gnuplot scientific plotting software.

PERSONAL

Amateur weather enthusiast, competitive Nordic skier, alpine skier, runner, cyclist, club soccer keeper.

PUBLICATIONS

Cook, M.S., Ravelo, A.C., Mix, A., **Nesbitt, I.M.**, and Miller, N.V., 2016, Tracing subarctic Pacific water masses with benthic foraminiferal stable isotopes during the LGM and late Pleistocene: Deep Sea Research Part II: Topical Studies in Oceanography, v. 125-126, p. 84–95, doi: [10.1016/j.dsr2.2016.02.006](https://doi.org/10.1016/j.dsr2.2016.02.006).

Nesbitt, I. M., 2013, A comparative study of snowmelt-driven water budgets in adjacent alpine basins, Niwot Ridge, Colorado Front Range [thesis]: Geosciences, Williams College Libraries. ([PDF](#), [library record](#), accessed December 2016).

Nesbitt, I.M., 2013, A comparative study of snowmelt-driven water budgets in two adjacent alpine basins, Niwot Ridge, Colorado Front Range, *in* Varga, R.J. ed., Proceedings of the Twenty-Sixth Annual Keck Research Symposium in Geology, Claremont, CA, Pomona College, p. 366–372, http://www.keckgeology.org/keckwp/wp-content/uploads/http://www.keckgeology.org/26th-keck-symposium-volume/26thSymVol_Colorado_Nesbit.pdf (accessed December 2016).

Nesbitt, I.M., and Dethier, D.P., 2013, A comparative study of snowmelt-driven water budgets in adjacent alpine basins, Niwot Ridge, Colorado Front Range, in The Geological Society of America: Northeastern Section - 48th Annual Meeting, Bretton Woods, NH, Geological Society of America Abstracts with Programs, v. 45, p. 101, <https://gsa.confex.com/gsa/2013NE/webprogram/Paper215324.html> (accessed December 2016).

REFERENCES AVAILABLE ON REQUEST