

CURRICULUM VITAE
for
JOHN M. JAEGER
Department of Geological Sciences
University of Florida
241 Williamson Hall
P.O. Box 112120
Gainesville, FL 32611-2120
Tel: (352) 846-1381
ORCID ID# orcid.org/0000-0003-0248-489X

<http://people.clas.ufl.edu/jmjaeger>

Last edited: January 1, 2025

Personal History

EDUCATION:

Ph.D.-1998, State University of New York Stony Brook, Geological Oceanography
M.S. - 1993, State University of New York, Stony Brook, Marine Environmental Science
B.S. - 1991, Humboldt State University, Oceanography, Geology Minor

EMPLOYMENT:

2021-Present, Professor, University of Florida
2007-2021, Associate Professor, University of Florida
2000-2007, Assistant Professor, University of Florida
1998-1999, Post Doctoral Scientist, Lehigh University

Affiliate Appointments

School of Natural Resources & Environment, UF

Awards

Fellow, *Geological Society of America*, 2021
Colonel Allan R. and Margaret G. Crow Term Professor, College of Liberal Arts and Sciences,
University of Florida, 2014-2015
NASA Group Achievement Award, Kennedy Space Center Dune Vulnerability Team, August
2012

Professional Affiliations

American Geophysical Union
Geological Society of America
Society of Economic Paleontologists and Mineralogists
American Association of Petroleum Geologists

Research Interests

- Marine Sedimentology
- Glacial and Glacimarine Geology
- Continental Margin Stratigraphy
- Estuarine and Coastal Sedimentology

- Sedimentary geochemistry, diagenesis of sediments

Research Experience

- Sedimentologist, TERMINUS Program, Greenland Expedition R/V Celtic Explorer CE24009, 8/1/2024-8/29/2024
- Co-Chief Scientist, Integrated Ocean Drilling Program Expedition 341 Southern Alaska, 5/28/13-7/29/13
- Sedimentologist, Integrated Ocean Drilling Program Expedition 317 Canterbury Basin, 11/2/09-1/5/10
- Monitoring shoreline and beach morphologic change at Kennedy Space Center, Cape Canaveral, Florida, May 2009-September, 2013.
- GIS analysis of remotely sensed imagery, estuarine shoreline and morphologic change Florida east coast estuaries, March 2012-present
- Sedimentary geology of coastal Florida lakes, lagoons, marshes, and estuaries (2000-present)
- Co-Chief Scientist: R/V *Maurice Ewing*, Cruise EW0408, Sedimentation, Paleoceanography, and Paleoclimatology of Southeast Alaska, Newport Oregon to Kodiak Alaska, 8/21/2004-9/23/2004
- Coring Supervisor, R/V *Alpha Helix*, Cruise AH0404, Hubbard Glacier Expedition, Seward-Seward Alaska, 6/14/2004-6/22/2004
- Hydrate Ridge, Cascadia Margin, DSV Alvin Dives to ODP CORK 892B June 1998; July, 1999; August, 2000
- Northeastern Gulf of Alaska, August-Sept., 1994; July 1995 (PhD cruises)
- Naval Research Laboratory, Coastal Benthic Boundary Layer (CBBL) Program 1993 Baltic Sea, Germany & 1995 Dry Tortugas, Florida
- Joint Australian-US Cruise, April 5-20, 1996, R/V *Lady Basten*-Sepik River, North Coast of Papua New Guinea

Laboratory research includes: quantitative sedimentology, x-radiography, sedimentary petrology-Optical/SEM. Mineralogical studies using X-ray diffraction. Quaternary dating techniques including radiocarbon, ²¹⁰Pb, ¹³⁷Cs, and uranium-series. Stable isotope and chemical analysis of sediments, organic matter, and carbonates. Field experience in box, gravity, piston, and vibra coring. Description and curation of geological samples.

Awards and Grants-Lead PI at UF

- National Science Foundation, Office of Polar Programs/Arctic Natural Sciences "Collaborative Research: Sediment and stability: Quantifying the effect of moraine building on Greenland tidewater glaciers." Sept 2023-August 2025. OPP- 2234523.
- National Science Foundation, Ocean Sciences, Marine Geology and Geophysics, "Collaborative Research: Expedition 341 Oriented Research- Linking Sediment Provenance and Strata Formation to Tectonic-Climate Interactions along the southern Alaska Margin", August 2014 – August 2017, OCE-1434402.
- Integrated Ocean Drilling Program Expedition 341 Participation Award, Consortium for Ocean Leadership, 5/30/2013-1/31/2015
- National Science Foundation, Earth Sciences, "Energetics and Stability of Geologically-Confined Water", July 2013 – September 2014, EAR-0819769, co-PI with Elizabeth Screaton, UF/Geo. Sci.

- NOAA Regional Ocean Partnership Funding Program “Phase 1 and 2: Application of New Geospatial Tools for a Regional Vulnerability Assessment of Estuarine Shorelines of North Carolina, South Carolina, Georgia and Eastern Florida”-subcontract through Skidaway Institute of Oceanography, March 2012-March 2014.
- National Science Foundation, Ocean Sciences/ Marine Geosciences/ Ocean Drilling Program "Collaborative Research: Expedition 317 Objective Research – Linking Sediment Provenance to Supply and Lithofacies Formation on the Canterbury Margin," May 2011 – April 2014, OCE-1060844
- NASA “Monitoring Shoreline and Beach Morphologic Change At Kennedy Space Center, Cape Canaveral, Florida” 10/1/10-9/30/11, subcontracted through Innovative Health Applications
- “Developing Sediment Chronologies for the Chukchi Sea”, sub-contract to University of Alaska, 07/17/2009-12/31/2010
- Integrated Ocean Drilling Program Expedition 317 Participation Award, Consortium for Ocean Leadership, 11/4/2009-11/03/2012
- “An evaluation of Neogene sedimentation on the Surveyor Fan, Gulf of Alaska: Site Augmentation proposal for IODP 686-Full”, Consortium for Ocean Leadership, 8/1/08-7/31/10.
- “Development of Shoreline Change Proxies from Satellite Image Analysis and Beach Surveys at Cape Canaveral, Florida”, NASA, 4/15/09-4/14/10
- National Science Foundation, Ocean Sciences/ Marine Geosciences/ Ocean Drilling Program “Collaborative Research: Establishing a High-resolution Temporal Record of Quaternary Climate-Glacial-Ocean Linkages in Southern Alaska (and IODP Site Survey)," May 2004 – April 2006, OCE-0351043
- National Science Foundation, Office of Polar Programs/Arctic Natural Sciences “Collaborative Research: Establishing Marine Varve Thickness as a Proxy for Annual Alaska Climate Variability and PDO Oscillations, Hubbard Glacier Field Study." August 2003-July 2006. OPP-0326926
- Joint Oceanographic Institutions, "Evaluating Decadal-Scale Climate Change and Geomagnetic Paleointensity Records in Continental Shelf Strata of the Subarctic Pacific: IODP Proposal 597", May 2003-April 2004,
- Joint Oceanographic Institutions, Workshop “Interplay of Collisional Tectonics and Late Cenozoic Glacial Climate in Alaska and the Northeastern Pacific Ocean" joint with Continental Dynamics/National Science Foundation, January 2003-December 2003,
- Jupiter Inlet District Commission, Jan.-December, 2002
Developing Late Holocene Chronologies of Estuarine Processes, Loxahatchee River Estuary, Palm Beach County, FL, Lead PI,

Awards and Grants-Co PI at UF

- NASA “Monitoring Shoreline and Beach Morphologic Change at Kennedy Space Center, Cape Canaveral, Florida” 10/1/11-9/30/13, subcontracted through Innovative Health Applications, NASA subcontractor
- National Science Foundation-EAR/Instrumentation and Facilities “Acquisition of an X-ray Diffractometer for Mineralogical and Sedimentological Studies”, Sept 1, 2008-August 31, 2009.

- “Sediment Transport through Tidal Inlets During Extreme Forcing: Erosion or Accretion?” Arnoldo Valle-Levinson - PI (Civil and Coastal Engineering), John M. Jaeger (Geological Sciences), Tian-Jian Hsu (Civil and Coastal Engineering), Alexandru Sheremet (Civil and Coastal Engineering). UF Water Institute Program Initiation Fund, June 1, 2007-May 31, 2008.
- “Lake Apopka Sediment Resuspension Model Development”, Ashish Mehta (Civil and Coastal Engineering), John M. Jaeger (Geological Sciences), Arnoldo Valle-Levinson (Civil and Coastal Engineering), St. Johns River Water Management District, July 1, 2007-June 30, 2009.
- Jupiter Inlet District Commission, June, 2005-Sept. 2006, Reassessment of Sand Budget at Jupiter Inlet, Joint with UF Coastal Engineering
- St. John’s Water Management District, May 2003-May. 2005, Quantification of Advective Benthic Processes Contributing Nitrogen and Phosphorus to Surface Waters of the Indian River Lagoon,
- St. John’s Water Management District, January 2003-Sept. 2004 Grassbed Sediment Composition Survey of the Lower St. Johns River, Joint with Soil and Water Sciences
- Jupiter Inlet District Commission, Jan.-December, 2002 Developing Late Holocene Chronologies of Estuarine Processes, Loxahatchee River Estuary, Palm Beach County, FL, Joint with UF Coastal Engineering Lead PI
- Southwest Florida Water Management District, 8/2001-2/2004, “Collaborative Research: Ecology and Paleoecology of Groundwater-Augmented Lakes”-
- St. John’s Water Management District, July 2001-December 2002, Characterization of Biological and Chemical Factors affecting Sedimentary Processes of the Lower St. John’s River Estuary FL, Joint with UF Soil and Water Science Dept.
- Jupiter Inlet District Commission, June, 2000-Nov. 2003, Sedimentation Study of the Loxahatchee River Estuary, FL, Joint with UF Coastal Engineering

Publications

*=student author

Peer-Reviewed (61)

- * Villaseñor, T., **Jaeger, J.M.**, and Marsaglia, K.M. et al., Grain size matters: Middle to Late Pleistocene dynamics of a sediment-routing system in Canterbury Basin, South Island New Zealand. *Journal of Sedimentary Research*, in review, manuscript # SEPM-JSR-S-24-00063.
- Hayter, E. J., Mehta, A. J., **Jaeger, J. M.**, Valle-Levinson, A., Manning, A. J., & Forlini, C. (2025). Wind, Water Level, and Fluid Mud in Lake Apopka, Florida. *Journal of Marine Science and Engineering*, 13(1), 38. <https://doi.org/10.3390/jmse13010038>
- Wu, C., J. Mossa, and **J.M. Jaeger**, 2022. Estimate of decadal-scale riverbed deformation and bed-load sediment transport during flood events in the lowermost Mississippi River. *Earth Surface Processes and Landforms*. DOI: 10.1002/esp.5316

- Kyzar, T., I. Safak, J. Cebrian, M.W. Clark, N. Dix, K. Dietz, R.K. Gittman, R. Grizzle, **J. Jaeger**, K.R. Radabaugh, A. Roddenberry, A. Sheremet, C.S. Smith, E.L. Sparks, B. Stone, G. Sundin, M. Taubler, C. Angelini, 2021. Challenges and opportunities for sustaining coastal wetlands and oyster reefs in the southeastern United States. *Journal of Environmental Management*, Volume 296, 113178, doi.org/10.1016/j.jenvman.2021.113178.
- Screaton, E.A., C. Summerfield, **J.M. Jaeger**, J. Whipple, 2021. Data report: permeability and grain size of sediments, IODP Expeditions 372 and 375. In Proceedings of the Integrated Ocean Drilling Program, 341: College Station, TX (Integrated Ocean Drilling Program). <https://doi.org/10.14379/iodp.proc.372B375.205.2021>
- Conlin*, M. P., Adams, P. N., **Jaeger, J. M.**, & MacKenzie, R. (2020). Quantifying Seasonal-to-Interannual-Scale Storm Impacts on Morphology Along a Cuspate Coast With a Hybrid Empirical Orthogonal Function Approach. *Journal of Geophysical Research: Earth Surface*. <https://doi.org/10.1029/2020jf005617>
- Zindorf, M., Rush, D., **Jaeger, J.M.**, Mix, A., Penkrot*, M. L., Schnetger, B., Sidgwick, F. R., Talbot, H. M., van der Land, C., Wagner, T., Walczak, M., & März, C. (2020). Reconstructing oxygen deficiency in the glacial Gulf of Alaska: Combining biomarkers and trace metals as paleo-redox proxies. *Chemical Geology*, 558(March), 119864. <https://doi.org/10.1016/j.chemgeo.2020.119864>
- Cowan, E. A., Zellers, S. D., Müller, J., Walczak, M. H., Worthington, L. L., Caissie, B. E., Clary, W. A., **Jaeger, J. M.**, Gulick, S. P. S., Pratt, J. W., Mix, A. C., & Fallon, S. J. (2020). Sediment controls dynamic behavior of a Cordilleran Ice Stream at the Last Glacial Maximum. *Nature Communications*, 11(1). <https://doi.org/10.1038/s41467-020-15579-0>
- Vermassen, F., Bjørk, A. A., Sicre, M.-A., **Jaeger, J. M.**, Wangner, D. J., Kjeldsen, K. K., et al. (2020). A major collapse of Kangerlussuaq Glacier's ice tongue between 1932 and 1933 in East Greenland. *Geophysical Research Letters*, 47, e2019GL085954.
- Wangner, D.J., Sicre, M.-A., Kjeldsen, K.K., **Jaeger, J.M.**, Bjørk, A.A., Vermassen, F., Sha, L., Kjær, K.H., Klein, V. and Andresen, C.S. (2020), Sea Surface Temperature Variability on the SE-Greenland Shelf (1796–2013 CE) and Its Influence on Thrym Glacier in Nørre Skjoldungesund. *Paleoceanography and Paleoclimatology*, 35: e2019PA003692. doi:[10.1029/2019PA003692](https://doi.org/10.1029/2019PA003692)
- Zindorf, M. C. März, T. Wagner, S.P.S. Gulick, H. Strauss, J. Benowitz, **J.M. Jaeger**, B. Schnetger, L. Childress, C. van der Land, M. La Rosa, L. LeVay (2019). Deep Sulphate-Methane-Transition and sediment diagenesis in the Gulf of Alaska (IODP Site U1417). *Marine Geology*, 417, /doi.org/10.1016/j.margeo.2019.105986.
- Penkrot*, M., **Jaeger, J.M.**, Cowan, E.A., St-Onge, G. and L. LeVay (2018). Multivariate modeling of glacial-marine lithostratigraphy combining scanning XRF, multisensory core properties, and CT imagery: IODP Site U1419. *Geosphere*, 10.1130/GES01635.1.
- Vyverberg*, K. L., **Jaeger, J. M.**, Dutton, A. (2018). Quantifying detection limits and uncertainty in X-ray diffraction mineralogical assessments of biogenic carbonates. *Journal of Sedimentary Research*, v. 88, 1261–1275: <http://dx.doi.org/10.2110/jsr.2018.63>.
- Bloch, L., Wallis, N. J., Kamenov, G., & **Jaeger, J. M.** (2019). Production origins and matrix constituents of spiculate pottery in Florida, USA : Defining ubiquitous St Johns ware by LA-

- ICP-MS and XRD. *Journal of Archaeological Science: Reports*, 24(August 2018), 313–323. <https://doi.org/10.1016/j.jasrep.2019.01.012>
- Bender-Whitaker, C., K.M. Marsaglia, G.H. Browne, and **J.M. Jaeger**. Sedimentary processes and sequence stratigraphy of a Quaternary siliciclastic shelf-slope system: Insights from sand provenance studies, Canterbury Basin, New Zealand. *Tectonics, Sedimentary Basins and Provenance: A Celebration of William R. Dickinson's Career*. GSA Special Paper, in press.
- Mehta, A. **J.M., Jaeger**, J. M., Boz, Z., & Khare, Y. P. (2018). Multiphase Layering and Mobility of Suspended Fine Sediment in Lake Apopka, Florida, *Int. Jour. of Computational Methods and Experimental Measurements*, 6(2), 433–445. doi.org/10.2495/CMEM-V6-N2-433-445.
- Penkrot*, M., L. LeVay and **Jaeger, J.M.**, (2017), Data report: X-ray fluorescence scanning of sediment cores, Site U1419, Gulf of Alaska. In *Proceedings of the Integrated Ocean Drilling Program*, 341: College Station, TX (Integrated Ocean Drilling Program). [doi:10.2204/iodp.proc.341.203.2017](https://doi.org/10.2204/iodp.proc.341.203.2017).
- Walczak, M.H. , J.S. Stoner, A.C. Mix, **J. M. Jaeger**, G.P. Rosen*, J.E.T. Channell, D. Heslop, C. Xuan, 2017. A 17,000 year paleomagnetic secular variation record from the southeast Alaskan margin: Regional and global correlations. *Earth and Planetary Science Letters*, [doi: 10.1016/j.epsl.2017.05.022](https://doi.org/10.1016/j.epsl.2017.05.022)
- Montelli, A., Gulick, S.P.S., Worthington, L.L., Mix, A.C., Davies-Walczak, M., Zellers, S.D., and **Jaeger, J.M.**, 2017. Late Quaternary glacial dynamics and sedimentation variability in Bering Trough, Gulf of Alaska. *Geology*, [doi:10.1130/G38836.1](https://doi.org/10.1130/G38836.1) .
- Marsaglia, K.M., G. H. Browne, S.C. George, D. Kemp, **J.M. Jaeger**, D. Carson, M. Richaud and IODP Expedition 317 Scientific Party, 2017. The Transformation of Sediment into Rock: Insights from IODP Site U1352, Canterbury Basin, New Zealand. *Journal of Sedimentary Research*, DOI: 10.2110/jsr.2017.15.
- Meridith*, L. N., E. J. Screaton, **J. M. Jaeger**, S. R. James, and T. Villaseñor (2017), The impact of rapid sediment accumulation on pore pressure development and dehydration reactions during shallow subduction in the Gulf of Alaska, *Geochem. Geophys. Geosyst.*, 18, 189–203, [doi:10.1002/2016GC006693](https://doi.org/10.1002/2016GC006693).
- Screaton, E.J., T. Villaseñor, S.R. James, L.N. Meridith, **J.M. Jaeger**, and W.F. Kenney (2017), Data report: permeability, grain size, biogenic silica, and clay minerals of Expedition 341 sediments from Sites U1417 and U1418. In *Proceedings of the Integrated Ocean Drilling Program*, 341: College Station, TX (Integrated Ocean Drilling Program). [doi:10.2204/iodp.proc.341.202.2017](https://doi.org/10.2204/iodp.proc.341.202.2017).
- Cui, X., T.S. Bianchi, **J.M. Jaeger**, R.W. Smith, 2016. Biospheric and petrogenic organic carbon flux along southeast Alaska. *Earth and Planetary Science Letters*, v. 452, p. 238–246. [10.1016/j.epsl.2016.08.002](https://doi.org/10.1016/j.epsl.2016.08.002).
- Gulick, S.P.S., **Jaeger, J.M.**, Mix, A.C., et al., 2015, Mid-Pleistocene climate transition drives net mass loss from rapidly uplifting St. Elias Mountains, Alaska: *Proceedings of the National Academy of Sciences*, p. 201512549–6, [doi: 10.1073/pnas.1512549112](https://doi.org/10.1073/pnas.1512549112).
- Villaseñor, T. *, **Jaeger, J.M.**, and Foster, D.A., 2016, Linking Late Pleistocene alpine glacial erosion and continental margin sedimentation: Insights from $^{40}\text{Ar}/^{39}\text{Ar}$ dating of silt-sized

- sediment, Canterbury Basin, New Zealand: *Earth and Planetary Science Letters*, v. 433, p. 303–316, doi: 10.1016/j.epsl.2015.11.008.
- Jaeger, J.M.**, and Koppes, M.N., 2015, The role of the cryosphere in source-to-sink systems: *Earth Science Reviews*, p. 1–34, doi: 10.1016/j.earscirev.2015.09.011.
- Walczak, M.H., Mix, A.C., Willse, T., Slagle, A., Stoner, J.S., **Jaeger, J.M.**, Gulick, S., LeVay, L., Kioka, A., the IODP Expedition 341 Scientific Party, 2015, Correction of non-intrusive drill core physical properties data for variability in recovered sediment volume: *Geophysical Journal International*, v. 202, p. 1317–1323, doi: 10.1093/gji/ggv204.
- Johnson, J.M., L.J. Moore, K. Ells, A.B. Murray, P.A Adams, R.A. MacKenzie* III, and **J.M. Jaeger**. Recent shifts in coastline change and shoreline stabilization linked to storm climate change. *Earth Surface Processes and Landforms*, DOI: 10.1002/esp.3650.
- Villaseñor, T.*, **J.M. Jaeger**, K. Marsaglia and G.H. Browne, 2015. Evaluation of the relative roles of global versus local sedimentary controls on Middle - Late Pleistocene formation of continental margin strata, Canterbury Basin, New Zealand. *Sedimentology*, doi:10.1111/sed.12181.
- Addison, J. A., B. P. Finney, **J. M. Jaeger**, J. S. Stoner, R. D. Norris, and A. Hangsterfer (2013), Integrating satellite observations and modern climate measurements with the recent sedimentary record: An example from Southeast Alaska, *J. Geophys. Res. Oceans*, 118, 3444–3461, doi:10.1002/jgrc.20243.
- Jaeger, J.M.** and Kramer*, B., 2013. A continental shelf sedimentary record of Little Ice Age to modern glacial dynamics: Bering Glacier, Alaska, 2013. *Continental Shelf Research*. DOI: 10.1016/j.csr.2013.03.011.
- Villasenor*, T. and **J.M. Jaeger**. Data report: quantitative X-Ray Diffraction analysis from the Canterbury Basin, Expedition 317. Integrated Ocean Drilling Program Management International, Inc., doi:10.2204/iodp.proc.317.205.2014.
- Alonso-García, M., J.T. Andrews, S.T. Belt, P. Cabedo-Sanz, D. Darby, and **J.M. Jaeger**, 2013. A comparison between multiproxy and historical data (AD 1990–1840) of drift ice conditions on the East Greenland Shelf (~66°N). *The Holocene*. 23: 1672-1683, doi:10.1177/0959683613505343.
- Addison, J.A., B.P. Finney, W.E. Dean, M.H. Davies, A.M. Mix, and **J.M. Jaeger**, 2012. Productivity maxima and sedimentary $d^{15}N$ during the Last Glacial Maximum termination in the Gulf of Alaska. *Paleoceanography*, Vol. 27, Pa1206, doi:10.1029/2011PA002161.
- Davies, M., A. Mix, J.S. Stoner, J. Addison, **J. M Jaeger**, B. Finney, J. Wiest, 2011. The deglacial transition on the Southeastern Alaska Margin: meltwater input, sea-level rise, marine productivity, and sedimentary anoxia. *Paleoceanography*, vol. 26, PA2223, doi:10.1029/2010PA002051.
- Willems, B.A, R.D. Powell, E.A. Cowan, J.M. Jaeger, 2011. Glacial outburst flood sediments within Disenchantment Bay, Alaska: Implications of recognizing marine jökulhlaup deposits in the stratigraphic record. *Marine Geology*, doi:10.1016/j.margeo.2011.03.004.

- Adams, P.N., N.D. Opdyke, and J.M. Jaeger, 2010. Isostatic uplift driven by karstification and sea-level oscillation: Modeling landscape evolution in north Florida. *Geology*, v. 38, p. 531-534, doi:10.1130/G30592.1
- Cowan, E.A., K.C. Seramur, R.D. Powell, B.A. Willems, S.P.S. Gulick, and J.M. Jaeger, 2010. Glacimarine Sequences from the Last Glacial Maximum and Neoglacial Preserved in Muir Inlet, Glacier Bay National Park, Southeastern Alaska. *Geological Society of America Bulletin*, doi: 10.1130/B26595.1.
- Van Eaton*, A.R., A.R. Zimmerman, **J.M. Jaeger**, M. Brenner, W.F. Kenney, J.R. Schmid, 2010. A novel application of radionuclides for dating sediment cores from sandy, anthropogenically disturbed estuaries. *Marine and Freshwater Research* 61(11) 1268–1277, doi:10.1071/MF10028.
- Walinsky, S.E., F.G. Prahl, A.C. Mix, B.P. Finney, **J.M. Jaeger**, and G.P. Rosen*, 2009. Distribution and Composition of Organic Matter in Surface Sediments of Coastal Southeast Alaska. *Continental Shelf Research*, 29:1565–1579.
- Ullrich*, A. D., E. A. Cowan, S. D. Zellers, **J.M. Jaeger**, R. D. Powell, 2009. Intra-Annual Variability in Benthic Foraminiferal Abundance in Sediments of Disenchantment Bay, an Alaskan Glacial Fjord. *Arctic, Antarctic, and Alpine Research*, 41: 257-271.
- Jaeger, J.M.**, Ashish Mehta, A., Faas, R., and Grella, M., 2009. Anthropogenic Impacts on Sedimentary Sources and Processes in a Small Urbanized Subtropical Estuary, Florida. *Journal of Coastal Research*, v. 25 (1): 30–47.
- Berger, Aaron L., Gulick, S.P.S., Spotila, J.A., Upton, P., **Jaeger, J.M.**, Chapman, J.B., Worthington, L.A., Pavlis, T.L., Ridgway, K.D., Willems, B.A., McAleer, R.J., Quaternary tectonic response to intensified glacial erosion in an orogenic wedge, *Nature Geoscience*, 1, 793-799, doi:10.1038/ngeo334, 2008.
- Chapman, J.B., Pavlis, T.L., Gulick, S., Berger, A., Lowe, L., Spotila, J., Bruhn, R., Vorkink, M., Koons, P., Barker, A., Picornell, C., Ridgway, K., Hallet, B., **Jaeger, J. M.**, McCalpin, J., Neotectonics of the Yakutat collision: Changes in deformation driven by mass redistribution, in *Tectonics and Seismic Hazards of Alaska*, edited by J. T. Freymueller, P.J. Haeussler, R.L. Wesson, G. Ekstrom, *Geophysical Monograph Series, Volume 179, 350 pp.*, 2008.
- Bhadha, J., Martin J.B., **Jaeger J.M.**, Lindenberg M., and Cable J. 2007. Implications for biogeochemical cycling from water circulation through estuarine sediments. *Journal of Coastal Research*, v. 23 (4), 878–891.
- Jaeger, J.M.** and C.A. Nittrouer, 2006. A quantitative examination of modern sedimentary lithofacies formation on the glacially influenced Gulf of Alaska continental shelf. *Continental Shelf Research*, 26, 2178–2204.
- Bentley, S., A. Sheremet, and **J. Jaeger**, 2006. Event sedimentation, bioturbation, and preserved sedimentary fabric: field and model comparisons in three contrasting marine settings. *Continental Shelf Research*, 26, 2108-2124.
- Cable J., Martin J.B., and **J. Jaeger** 2006. Evaluating the Bernoulli Effect on Seepage Meters and Submarine Ground Water Discharge Measurements. *Limnology and Oceanography: Methods*, 4:172-183.

- Martin, J. B., J. E. Cable, **J.M. Jaeger**, K. Hartl, and C.G. Smith. 2006. Thermal and chemical evidence for rapid water exchange across the sediment-water interface by bioirrigation in the Indian River Lagoon, Florida. *Limnology and Oceanography*, 51: 1332-1341.
- Gulick, S., **J. Jaeger**, J. Freymueller, P. Koons, T. Pavlis, and R. Powell, 2004. Examining Tectonic-Climatic Interactions in Alaska and the Northeastern Pacific. *Eos*, Transactions, American Geophysical Union, Vol. 85 (43), p. 433-448.
- Carson, B., M. Kastner, D. Bartlet, **J. Jaeger**, H. Jannasch, and Y. Weinstein, 2003. Active Carbon Flux on the Cascadia Accretionary Prism: Preliminary Results from Long-Term, In-Situ Measurements at ODP Site 892B. *Marine Geology*, v. 198 (1-2): 159-180.
- Mertz*, L.M., Hart*, M.L., and **J. Jaeger**, 2003. Preservation Potential of Paleocyclone Deposits In Gulf of Mexico Coastal Sediments. *Transactions - Gulf Coast Association of Geological Societies*, vol. 53, pp. 537-547.
- Jaeger, J.M.**, 2002. Developing High-Resolution Chronologies in Glacimarine Sediments: Examples From Southeastern Alaska. In: Dowdeswell, J.A., Ó Cofaigh, C. (eds). Glacier-influenced sedimentation in High-latitude continental margins. *Geological Society, London, Special Publications*, 203, 195-213.
- Jaeger, J.M.**, B. Hallet, T. Pavlis, J. Sauber, D. Lawson, J. Milliman, R. Powell, S.P. Anderson, R. Anderson, 2001. Orogenic and glacial research in pristine southern Alaska. *Eos*, Transactions, American Geophysical Union, Vol. 82 (19), p. 213-216.
- Kastner, M., B. Carson, D. B. Bartlett, **J.M. Jaeger**, K. Bidle, and H. Jannasch. 2000. An In Situ Experiment of Methane Sequestration as Gas Hydrate, Authigenic Carbonate, and Loss to the Water Column and/or Atmosphere. *Gas Hydrates: Challenges for the Future*, G.D. Holder and P.R. Bishnoi, Ed. New York, New York. 32-37.
- Jaeger, J.M.**, and C.A. Nittrouer, 1999, Marine record of surge-induced outburst floods from the Bering Glacier, Alaska. *Geology*, 27 (9), 847-850.
- Jaeger, J.M.**, and C.A. Nittrouer, 1999. Sediment deposition in an Alaskan fjord: Controls on the formation and preservation of sedimentary structures in Icy Bay. *Journal of Sedimentary Research*, 69, 1011-1026.
- Jaeger, J.M.**, C.A. Nittrouer, N. D. Scott, and J.D. Milliman, 1998. Sediment accumulation along a glacially impacted mountainous coastline: Northeast Gulf of Alaska. *Basin Research*, 10:155-173.
- Milliman, J.D., J. Snow, **J.M. Jaeger** and C.A. Nittrouer, 1996. Catastrophic discharge of fluvial sediment to the ocean: evidence of Jökulhlaups events in the Alsek Sea Valley, Southeast Alaska (USA), in D.E. Walling and B.W. Webb, eds., *Erosion and sediment yield: global and regional perspectives*. Int. Assoc. Hydrol. Sci., 236, 367-379.
- Jaeger, J.M.**, C.A. Nittrouer, D.J. DeMaster, C. Kelchner and R. B. Dunbar, 1996. Lateral transport of settling particles in the Ross Sea and implications for the fate of biogenic material, *J. Geophys. Res.-Oceans*, 101(C8): 18479-18488.
- Kuehl, S.A., C.A. Nittrouer, M.A. Allison, L.E.C. Faria, D.A. Dukat, **J.M. Jaeger**, T.D. Pacioni, A.G. Figueiredo and E. C. Underkoffler, 1996. Sediment deposition, accumulation, and seabed

dynamics in an energetic fine-grained coastal environment, *Continental Shelf Research* 16, 787-816.

Jaeger, J.M. and C.A. Nittrouer, 1995. Tidal controls on the formation of fine-scale sedimentary strata near the Amazon river mouth. *Marine Geology*, 125:259-281.

Non-peered reviewed/Reports (13)

Jaeger, J. M., & Shevenell, A. E. (2020). Steering iceberg armadas. *Science*, 370(6517), 662–663. <https://doi.org/10.1126/science.abe8461>

Christensen, B. and **J. M. Jaeger**. 2018. *JOIDES Resolution* Assessment Report, prepared for the National Science Foundation. U.S. Science Support Program, <http://usoceandiscovery.org/workshop-jr-assessment/> , 94 pp.

Hine, A.C., E.E. Martin, **J.M. Jaeger**, and M. Brenner, 2017. Paleoclimate of Florida. In: Chassignet, E. P., Jones, J. W., Misra, V., & Obeyseker, J. (Eds.). *Florida's climate: Changes, variations, & impacts*. Gainesville, FL: Florida Climate Institute. <https://doi.org/10.17125/fci2017>.

Jaeger, J.M., Gulick, S.P.S., LeVay, L.J., and the Expedition 341 Scientists, 2014. Proc. IODP, 341: College Station, TX (Integrated Ocean Drilling Program). doi:10.2204/iodp.proc.341.2014

Alexander, C.R., Jackson, C.W. Jr, Jaeger, J.M., Adams, P., Corbett, D.R., Howard, S. and J.P. Walsh. 2014. Regional Collaborative Research in the Southeastern US: Progress Toward a New Coastal Hazard Vulnerability Assessment Tool. In: Cherry, K. Hernandez, D., and Alexander, C., *Designing A Multi-State and Regional Framework for Ocean Planning and Decision-Making: A Governors' South Atlantic Alliance Initiative. Phase Ii – Revised Final Report 3: October 1, 2012 – March 31, 2014*. NOAA Regional Ocean Partnership Funding Program.

Jaeger, J.M. and P.N. Adams, 2012. Geology, Geomorphology, and Physical Oceanography of Kennedy Space Center, Florida. In: *Draft Environmental Assessment for Shoreline Protection Plans*, John F. Kennedy Space Center, Florida. 18 pp.

Adams, P.N., J.M. Jaeger, R. MacKenzie, S. Kline, 2012. *Monitoring Shoreline and Beach Morphologic Change at Kennedy Space Center, Cape Canaveral, Florida: Annual Report Phase 3, May 2010-Sept. 2011*. National Aeronautics and Space Administration (NASA), Innovative Health Applications (IHA), 20 pp.

Jaeger, J.M., P.N. Adams, R. MacKenzie, S. Kline, J. Lovering, B. Maibauer, T. Kirchner, A. Lesnek, E. Harris-Parks, 2011. *Monitoring Shoreline and Beach Morphologic Change at Kennedy Space Center, Cape Canaveral, Florida: Annual Report Phase 2, May 2009---May 2011*. National Aeronautics and Space Administration (NASA), Innovative Health Applications (IHA), 282 pp.

Morgan, J.R. Arrowsmith, M. Behn, M. Benoit, S. Bilek, H. DeShon, P. Flemings, M. Gurnis, J. Jaeger, K. Kelley, K. Keranen, D. Lizarralde, M. Oskin, M. Pritchard, T. Rooney, D. Saffer, D. Shillington, C. Thurber, M. Underwood, H. van Avendonk , J. van Wijk, 2011. National Science Foundation GeoPRISMS (Geodynamic Processes at Rifting and Subducting MarginS) Science

http://www.geoprisms.org/images/stories/documents/IP/GeoPRISMS_IP_Full.pdf

- Jaeger, J.M. and Ullrich, A., 2011. Pre-Drilling Activity Proposal For IODP 686-Full. An Evaluation of Neogene Sedimentation on the Surveyor Fan, Gulf of Alaska: Geochemical, Mineralogical, And Rock Magnetic Provenance Variation in Alaskan Abyssal Plain Sediments Consortium for Ocean Leadership Award #SA 08-02 Final Report, 78 pp.
- Naidu, S., and J.M. Jaeger, 2010. The Geochronology and the Historical Changes in Trace Metals and isotopes of Carbon and Nitrogen in Sediments of Chukchi Sea, Arctic Alaska. Final Report, ConocoPhillips Agreement #S12294, 125 pp.
- Expedition 317 Scientists, 2010. Canterbury Basin Sea Level: Global and local controls on continental margin stratigraphy. IODP Prel. Rept., 317. doi:10.2204/iodp.pr.317.2010.
- Mehta, A.J., Jaeger, J.M., Valle-Levinson A., Hayter E.J., Wolanski, E., and Manning A.J., 2009. Resuspension Dynamics in Lake Apopka, Florida. Dept of Civil and Coastal Oceanographic Engineering, University of Florida, Gainesville; Report #. UFL/COEL-2009/001. 350 pp.

Meeting Abstracts (126)

*** student presentations**

- Greco*, N., **Jaeger, J.M.**, 2020. Modeling Mud: Floccs as Global Meltwater Indicators in Ice-Proximal Glacimarine Sediments. AGUFM, 2020, EP001-0014.
- Jaeger, J.M.**, Gulick, S.S.P., Frederik, M., Morey, S., Somchat, K., Reece, R., 2020. Feeding A Subduction Zone from The Side: Neogene Sediment Delivery To And Dispersal Along The Aleutian-Alaska Subduction Zone. Geological Society of America Abstracts with Programs. Vol 52, No. 6, 2020 doi: 10.1130/abs/2020AM-356421
- Angelini, C., J. Cebrian, M.W Clark, N. Dix, K. Dietz, R.K Gittman, R. Grizzle, **J.M Jaeger**, K.R Radabaugh, C.S Smith, E.L Sparks, B.Stone, 2019: Challenges and Opportunities for Sustaining Southeastern US Coastal Wetlands and Oyster Reefs. presented at 2019 CERF Biennial Conference, CERF.
- Alexander, C., **J. M. Jaeger**, and D. R. Corbett, 2019: Coastal environments as geologic archives for assessing environmental change. presented at 2019 CERF Biennial Conference, CERF.
- Jaeger, J. M.**, and M. L. Penkrot, 2019: Peering Beneath the Ice: Tectonic and Climatic Controls on Erosion at Hubbard Glacier, Alaska. AGUFM, 2019, EP23A-08.
- Conlin*, M. P., P. N. Adams, **J. M. Jaeger**, and R. MacKenzie, 2019: Storm-Driven Morphological Changes Along a Valuable Coastline: The Unique Impact of Hurricane Sandy (2012) at NASA-Kennedy Space Center. Abstract U12C-20 presented at 2019 Fall Meeting, AGU, San Francisco CA, 9-13 December.
- Jaeger, J. M.**, 2019: Chicken or egg? The legacy of scientific ocean drilling is tackling the climate-tectonic debate in the earth sciences. Geological Society of America Abstracts with Programs. Vol. 51, No. 5, ISSN 0016-7592, doi: 10.1130/abs/2019AM-337664
- Spector*, A.B. and **J.M. Jaeger**, A Quantitative Comparison of Horizontal Uncertainty In Orthoimage- And Lidar-Established Estuarine Shorelines In Northeast Florida. Geological Society of America Abstracts with Programs. Vol. 50, No. 6, ISSN 0016-7592. doi: 10.1130/abs/2018AM-322634
- Penkrot*, M., **Jaeger, J.M.**, Cowan, E.A, Walczak, M.H., Mix, A.C. and L. LeVay (2018). Tectonic and Climate Influences on Spatial and Temporal Variations of Subglacial Erosion; Bering Glacier, Alaska. Abstract C51E-1119: presented at 2018 Fall Meeting, AGU, Washington D.C., 15-19 December.
- Conlin* M.P., P.N. Adams, **J.M. Jaeger**, R. MacKenzie (2018). Complex Coupling Between Storm Response and Recovery as a Control on Interannual-Scale Coastal Evolution. Abstract EP23C-2329 presented at 2018 Fall Meeting, AGU, Washington D.C., 15-19 December.

- McGillivray*, K., **J.M. Jaeger**, Cowan E.A., S.D. Zellers (2018) Establishing The Last Glacial Maximum-To-Modern Spatial Patterns Of Glacial Erosion In The Bering-Bagley Glacial System, Gulf Of Alaska, From Iodp Expedition 341 Site U1421: Abstract C51E-1120: presented at 2018 Fall Meeting, AGU, Washington D.C., 15-19 December.
- Summerfield*, C. E. Screamon, M. Brenner, **J.M. Jaeger**, J.H Curtis, W. Kenney (2018). Role of Lakebed Sediments in Lake-Groundwater Exchange in Lake Lochloosa, Central Florida Abstract H23K-2089: presented at 2018 Fall Meeting, AGU, Washington D.C., 15-19 December.
- Jaeger, J. M.**, J.K. Salinas, M.L. Penkrot, E. Bruand, 2017. Persistence of The Pleistocene Glacial Buzzsaw In The St. Elias Mountains, Alaska. Geological Society of America Abstracts with Programs. Vol. 49, No. 6, 142-3. doi: 10.1130/abs/2017AM-303894
- Conlin* M.P., P.N. Adams, **J.M. Jaeger**, R. MacKenzie. Exploring the Dominant Modes of Shoreline Change Along the Central Florida Atlantic Coast. Abstract GC23B-1047 presented at 2017 Fall Meeting, AGU, New Orleans, LA., 15-19 December.
- Mix, A.C., M.H. Walczak, H. Asahi, C.L. Belanger, E.A. Cowan, J. Du, S. Fallon, L.K. Fifield, T. Hobern, **J.M. Jaeger**, B.J.L. Jensen, J.L. McKay, J. Padman, A. Ross, S. Sharon, J. S Stoner, S. Zellers. Multi-core, multi-constraint chronostratigraphic framework over past 50,000 years places high-resolution Gulf of Alaska ocean-ice-sediment history into a global framework. Abstract PP53A-1114 presented at 2017 Fall Meeting, AGU, New Orleans, LA., 15-19 December.
- Jaeger, J.M.**, S.P.S. Gulick, S. Morey, M.C.G. Frederik, T.K. Somchat. Evolving Neogene Sediment Delivery to and Dispersal in the Aleutian-Alaska Subduction Zone. Abstract T41G-01 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 December.
- Salinas*, J.K., **Jaeger, J.M.**, Penkrot, M.L*., Elemental and Mineralogical Analysis of Silt Fraction from Site U1420, IODP Expedition 341. Abstract T41D-2964 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 December.
- Jaeger, J.M.** And Villasenor, T. Examining the importance of process-based field studies on interpreting mudrock lithofacies on continental shelves. Geological Society of America Abstracts with Programs. Vol. 48, No. 7, doi: doi: 10.1130/abs/2016AM-282713, Paper No. 210-2.
- Penkrot*, M, **Jaeger, J. M.**, LeVay, L.J. and St-Onge, G., Multivariate modeling of glacial-marine lithostratigraphy using scanning XRF and multisensory core properties validated with CT imagery. Geological Society Of America Abstracts With Programs. vol. 48, no. 7 doi: 10.1130/abs/2016am-282907, paper no. 210-3.
- Cui, X., T.S. Bianchi, **J.M. Jaeger**, R.W. Smith, Organic carbon fluxes in fjords across a high-to-mid latitudinal gradient. Abstract B22A-08 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 December.
- LeVay, L. Romero, E.O, McClymont, E., Müller, J., Penkrot, M.L*., **Jaeger, J.M.**, Mix, A.C., and Walczak, M. , Late Pleistocene-Holocene phytoplankton productivity in the Gulf of Alaska, IODP Site U1419. Abstract PP51D-2347 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 December.
- Adams, P.N, **J.M. Jaeger**, H. B. Woo, M.P. Panning, Beach Ridge Evidence for Regional Tilting and Drainage Reorganization in Central Florida. Abstract EP11A-0987 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 December.
- Screamon, E.J., S.R. James, L.N. Meridith, T. Villaseñor, **J.M. Jaeger**, J.M., and W.F. Kenney, The Contribution of Slope and Basin Sediments to Fluid Budgets of the Costa Rica and the Nankai Trough Margins. Abstract T31C-2904 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 December.
- Worthington, L.L., W.A. Clary, H.Daigle, P.O.Koons, S.P.S. Gulick, **J.M. Jaeger** Transient Deformation Patterns in Response to Quaternary Glacial Advance-Retreat Across the Offshore St. Elias Mountains, southern Alaska. Abstract T41D-2962 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 December.
- Asahi, H., A.C. Mix, I. Suto, S.P.S Gulick, **J.M. Jaeger**, L. LeVay and S. Nam. Orbital scale oxygen isotope stratigraphy at Sites U1417 and U1418 in the Gulf of Alaska (IODP Exp. 341). Abstract T44B-08 presented at 2016 Fall Meeting, AGU, San Francisco, Calif., 12-16 December.

- Zellers, S.D., Montelli, A., Cowan, E.A., Mix, A.C., Walczak, M.H., Gulick, S.P.S., Worthington, L.L. and **Jaeger, J.M.** Foraminiferal and sedimentologic characterization of seismic facies seaward of the Bering glacier, Gulf of Alaska. Geological Society of America Abstracts with Programs. Vol. 48, No. 7, doi: 10.1130/abs/2016AM-283379, Paper No. 342-3.
- Penkrot*, M.L., **J.M. Jaeger**, D.P. *Loss, E. Bruand. Testing Models of Modern Glacial Erosion of the St. Elias Mountains, Alaska Using Marine Sediment Provenance. Abstract C11A-0744 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 December.
- Villaseñor*, T.G., **J.M. Jaeger**, K.M. Marsaglia. The Impact of Pleistocene Climate on Sediment Routing Systems: Reconstructing Sediment Dispersal from the Southern Alps to the Canterbury Continental Shelf, New Zealand. Abstract EP41B-0923 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 December.
- Meridith*, L.N., E. Sreaton, **J.M. Jaeger**, S.R. James T.G *Villaseñor. Quaternary Sediment Accumulation in the Aleutian Trench: Implications for Dehydration Reaction Progress and Pore Pressure Development Offshore Alaska. Abstract T21E-2879 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 December.
- Morey, S. , S.P.S. Gulick, M. Walton, J. Swartz, L.L. Worthington, R. Reece, K. Somchat, P. Wagner, **J.M. Jaeger**, A.C. Mix. The Evolution of the Surveyor Fan and Channel System, Gulf of Alaska based on Core-Log-Seismic Integration at IODP Site U1417. Abstract T33D-2957 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 December.
- Gulick, S.P.S., A. Montelli, J. Swartz, S. Morey, **J.M. Jaeger**, A.C. Mix, R. Reece, K. Somchat, P. Wagner, L.L. Worthington, Margin Architecture and Sediment Flux as Controls on Submarine Fan Development: Tectonic-Climate Interactions in the Gulf of Alaska. Abstract T33D-2958 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 December.
- Worthington, L.L., S.P.S. Gulick, A. Montelli, **J.M. Jaeger**, S. Zellers, M. Walczak, A.C. Mix. Offshore Tectonics of the St. Elias Mountains: Insights from Ocean Drilling and Seismic Stratigraphy on the Yakutat Shelf. Abstract T51C-2890 presented at 2015 Fall Meeting, AGU, San Francisco, Calif., 14-18 December.
- Jaeger, J M**, Gulick, S P S, IODP Exp. 341 Scientists, (2014), Gulf of Alaska Cryosphere and Paleoceanography in the Neogene: IODP Expedition 341 Southern Alaska, Abstract PP23D- 03presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Villaseor*, T G, **Jaeger, J M**, Foster, D A, (2014), Sediment production and transport in the New Zealand Southern Alps Canterbury sedimentary system during the Late Pleistocene: the influence of alpine glacial erosion on the marine stratigraphic record, Abstract EP13B-3526 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Penkrot*, M L, **Jaeger, J M**, LeVay, L, St-Onge, G, Mix, A C, Bahlburg, H, Davies-Walczak, M, Gulick, S P S, IODP Exp. 341 Scientists, (2014), Northern Cordilleran Ice Sheet Dynamics in Coastal Alaska from MIS 3 to the Present: Initial Results, Abstract PP21A-1285 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Sreaton, E, Daigle, H, James, S, Meridith, L, **Jaeger, J M**, *Villaseor, T G, (2014), Investigating the Role of Dehydration Reactions in Subduction Zone Pore Pressures Using Newly-Developed Permeability-Porosity Relationships, Abstract H33B-0805 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- St-Onge, G, Francus, P, Labrie, J, Beauvais, Q, Velle, J H, Mix, A C, **Jaeger, J M**, Stoner, J S, Bahlburg, H, Forwick, M, Zolitschka, B, (2014), CAT-scan analysis in scientific drilling: effective routine data acquisition and processing of whole cores, split cores and u-channels, Abstract OS53D-1085 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Asahi, H, Mix, A C, Suto, I, Belanger, C L, Fukumura, A, Gupta, S, Matsuzaki, K M, Romero, O E, Gulick, S P S, **Jaeger, J M**, Schneider, L J, IODP Exp. 341 Scientists, (2014), Oxygen isotope stratigraphy in the Gulf of Alaska (IODP Exp. 341), Abstract PP21A-1286 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.
- Montelli, A, Gulick, S P S, Worthington, L L, Mix, A C, Zellers, S, **Jaeger, J M**, IODP Exp. 341 Scientists, (2014), Seismic stratigraphy of the Bering Trough, Gulf of Alaska: Late Quaternary history of Bering Glacier, Abstract PP21A-1287 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15-19 Dec.

- Reece, R, Gulick, S P S, **Jaeger, J M**, IODP Exp. 341 Scientists, (2014), Deciphering the Transitional Tectonics of the Southern Alaska Margin Through Gulf Sedimentology and Geophysics: IODP Expedition 341, Abstract T11A-4540 presented at 2014 Fall Meeting, AGU, San Francisco, Calif., 15- 19 Dec.
- Alexander, C., Jackson, C.W. Jr, **Jaeger, J.M.**, Adams, P., Corbett, D. Reide, Howard, Scott, And Walsh, J.P. Regional Collaborative Research in the Southeastern US: Progress Toward a New Coastal Hazard Vulnerability Assessment Tool. Joint Geological Society of America PENROSE / American Geophysical Union CHAPMAN Conference: Coastal Processes and Environments Under Sea-Level Rise and Changing Climate: Science to Inform Management. 14–19 April 2013, Galveston, Texas, USA.
- Jaeger, J.M.**, S.P. Gulick, and IODP Expedition 341 Scientific Party, 2013. The Impact of Neogene Climate and Tectonics on Sediment Dispersal and Accumulation on a Glaciated Continental Margin: IODP Expedition 341 Southern Alaska. Abstract T22C-03 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 December.
- Koppes, M.N. and **J.M. Jaeger**, 2013. A Source-to-Sink Perspective on Landscapes and Strata in an Icy World. Abstract EP43D-0884 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 December.
- Gulick, S.P., **J.M. Jaeger** and IODP Expedition 341 Scientific Party, 2013. Extreme mass flux from the glaciated, collisional St. Elias Orogen: Preliminary results from IODP Expedition 341. Abstract T22C-04 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 December.
- Worthington, L.L. S.P. Gulick; K.R. Ridgway; **J.M. Jaeger**; E.A. Cowan; A.L. Slagle; M. Forwick, 2013. Interplay between climatic and tectonic processes in the St. Elias foreland, southern Alaska: Evolution of a glaciated convergent margin since the mid-Pleistocene. Abstract T22C-05 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 December.
- St-Onge, G., J.S. Stoner; S.Ge; A.C. Mix; **J.M. Jaeger**; S.P. Gulick; and IODP Expedition 341 Scientific Party, 2013. Shipboard Paleomagnetic Records from IODP Expedition 341 (Southern Alaska Margin) and Their Potential for Chronostratigraphy. Abstract T22C-06 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 December.
- Ridgway, K.D.; H. Bahlburg; L.B. Childress; E.A. Cowan; M. Forwick; C.M. Moy; J. Müller; F.Ribeiro; S.Gupta; S.P. Gulick; **J.M. Jaeger**, 2013. Neogene marine sedimentary record of the Gulf of Alaska: from the glaciers to the distal submarine fan systems. Abstract T22C-08 presented at 2013 Fall Meeting, AGU, San Francisco, Calif., 9-13 December.
- Jaeger, J.M.**, T.G. Villasenor* Jorquera, 2012. Modes of Late Pleistocene Fine-Grain Sediment Dispersal in Canterbury Basin, South Island New Zealand. Abstract EP41B-0798 presented at 2012 Fall Meeting, AGU, San Francisco, Calif., 3-7 Dec.
- Villasenor* Jorquera, T.G., **J.M. Jaeger**, 2012. Late Pleistocene lithofacies and changes in sediment provenance in Canterbury Basin, South Island of New Zealand. 34th International Geological Congress, Brisbane Australia, August 2012.
- Jaeger, J.M** and A.D. Ullrich*. An Evaluation of Neogene Sedimentation on the Surveyor Fan, Gulf of Alaska: Geochemical, Mineralogical, and Rock Magnetic Provenance Variation in Alaskan Abyssal Plain Sediments. Abstract T33A-2371 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- MacKenzie*, R.A. **J.M. Jaeger**, P.N. Adams, N.G. Plant, R. Schaub, S.W. Kline, J.L. Lovering. Improvements of Visual Based Shoreline Accuracy From Satellite Imagery and Simultaneous Differential GPS Surveys. Abstract EP33A-0887 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Kline, S.W., P.N. Adams, N.G. Plant, R.A. MacKenzie, **J.M. Jaeger**. Video Based Observations of Event-Driven Behavior of Double Barred Nearshore Bathymetry at Kennedy Space Center, Cape Canaveral, Florida. Abstract EP33A-0888 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Addison, J.A., B.P. Finney, b, J.S. Stoner, R.D. Norris, and A. Hangsterfer. The recent marine sedimentary record of Baranof Island, Southeast Alaska – implications for paleoclimate reconstructions. Abstract PP43B-1813 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Adams, P.N., **J.M. Jaeger**, R.A. MacKenzie*, S.W. Kline, B.J. Maibauer, N.G. Plant, M.B. Gravens, T.P. Pierro, J. Shaffer. Investigating the Geomorphic Behavior of the Cape Canaveral Coast Through High-Resolution Beach

- Monitoring, Sediment Analysis, Oceanographic Observations, and Numerical Modeling. Abstract EP51D-07 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec.
- Stoner, J.S., M.H. Davies, A.C. Mix, **J.M. Jaeger**, J.E. Channell, C. Xuan. Towards Defining Modes of Paleomagnetic Variability: A 15,000 Year Inclination Anomaly Stack for the Eastern North Pacific. Abstract GP51B-1165 presented at 2011 Fall Meeting, AGU, San Francisco, Calif., 5-9 Dec
- Bender, C., Marsaglia, K.M., Browne, G., Carson, D., **Jaeger, J.M.**, Kemp, D., Lever, H., McHugh, C.M., Murakoshi, N., Richaud, M., Tanabe, S., Uramoto, G., Fulthorpe, C. Hoyanagi, K., Blum, P. Expedition 317 Shipboard Scientific Party. A first approximation of sand distribution and provenance on the Canterbury Shelf, New Zealand - implications for across shelf vs. along shelf transport based on sediment cores recovered during IODP Expedition 317. Abstract PP11E-1467 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Davies, M. H., Stoner, J.S., Mix, A.C., **Jaeger, J.M.**, Rosen, G.P., Channell, J.E., Southon, J.R. Holocene Paleomagnetic Secular Variation from the Gulf of Alaska. Abstract GP33B-0947 presented at 2010 Fall Meeting, AGU, San Francisco, Calif., 13-17 Dec.
- Mackenzie*, R.A., **Jaeger, J.M.**, Adams, P., and Schaub, R., 2009. Beach Morphodynamic Response to a 5-Day Summertime Nor'easter at Cape Canaveral, Florida. Geological Society of America Abstracts with Programs, Vol. 41, No. 7, p. 473.
- Ullrich*, A D and **Jaeger, J M** (2009). Mineralogical and rock magnetic provenance variation in Alaskan Abyssal Plain sediments, Gulf of Alaska. *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract EP31A-0582.
- Berger, A L, Gulick, S P, Spotila, J A, Worthington, L L, Upton, P, **Jaeger, J M**, Pavlis, T L (2009) Orogenic Response to Augmented Erosion Associated with Northern Hemisphere Glaciation: The St. Elias Orogen of Alaska. *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract G53B-0675.
- Davies, M H, Stoner, J S, Mix, A C, Southon, **JM Jaeger** J R, Rosen, G P, Channell, J E. (2009). A North Pacific View of Holocene Paleomagnetic Secular Variation. *Eos Trans. AGU*, 90(52), Fall Meet. Suppl., Abstract GP23A-0781.
- Davies, M.H., Stoner, J., Mix, A.C., Southon, J., **Jaeger, J.**, Rosen, G.P., And Channell, J.E.T., 2009. Reconstructing Holocene Paleomagnetic Secular Variation From The Gulf of Alaska. Geological Society of America Abstracts with Programs, Vol. 41, No. 7, p. 47
- Gulick, S.S.P, Pavlis, T.L., Christeson, G., **Jaeger, J. M.**, Ridgway, K.D., Worthington, L.L., Reece, R.S., and Horton, B.K., 2009. Marine Records Of Flat Slab Subduction Influenced By Temperate Glaciation In The St. Elias Orogen, Gulf Of Alaska Geological Society of America Abstracts with Programs, Vol. 41, No. 7, p. 304.
- Reece, R.S., Gulick, S.P.S., **Jaeger, J.M.**, Christeson, G., Worthington, L.L., And Pavlis, T.L., 2009. Erosion And Deposition By Cross-Shelf Glacial Advance As A Mechanism For Channel Inception In The Surveyor Fan, Gulf Of Alaska. Geological Society of America Abstracts with Programs, Vol. 41, No. 7, p. 305
- Jaeger J.**, E.A. Cowan, R.D. Powell, and G. Chapman*, 2008. A Multi-Proxy Sedimentary Record of Hubbard Glacier Meltwater Production, Disenchantment Bay, Alaska. *GSA Abstracts with Programs*, v. 40, no. 6, p. 378.
- Cowan, E.A., K.C. Seramur, B.A. Willems, R.D. Powell, S.P.S. Gulick and **J.M. Jaeger**, 2008. Retreat Sequences from the Last Glacial Maximum and Little Ice Age Preserved in Muir Inlet, Glacier Bay National Park, Southeastern Alaska. *GSA Abstracts with Programs*, v. 40, no. 6, p. 378.
- Davies, M., Mix, A. C. Stoner, J.S., Southon, J., **Jaeger, J.** (2008), Holocene Radiocarbon Dates on Coexisting Benthic and Planktic Foraminifera Shells in the Subarctic North Pacific, *Eos Trans. AGU*, 89(53), Fall Meet. Suppl., Abstract PP23A-1459.
- Jaeger, J. M.**, Rosen*, G. P., Kramer*, B. Stoner, J. Cowan, E. A. Channell, J. (2008) Cross-Margin Signal Transfer In A Glacial Source-To-Sink Sedimentary System; Bering Glacier, Southern Alaska. 2008 ASLO/AGU/TOS Ocean Sciences Meeting, Orlando FL.
- Jaeger, J M**, Cowan, E, Jackolski, C, Powell, R D, Chapman*, G (2007). Correlating tidewater glacial meltwater discharge with El Niño-Southern Oscillation in Southern Alaska. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract PP13C-1415.

- Kramer*, B J, **Jaeger, J M** (2007). A 700 year-long Record of Glacial Surging and Associate Flooding: Bering Glacier, Alaska. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract C41A 0041.
- Rosen*, G.P., **Jaeger, J.M.**, Stoner, J.S., and Channell, J. E.T. (2007). Lithofacies Based Interpretations Of Environmental Magnetic Data Of Late Quaternary Gulf Of Alaska Sediments. Abstracts With Programs - Geological Society Of America, Vol. 39, No. 6, Paper No. 114-11.
- Rosen*, G P, **Jaeger, J M**, Stoner, J S, Channell, J (2007). Environmental magnetic and physical grain size data of surface sediments across a variety of depositional environments in the Gulf of Alaska region. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract GP53B-1224.
- Adams, P N, **Jaeger, J M**, Opdyke, N D, Martin, J B, Hodell, D A, (2007). Using Paleocoastal Features to Model Epeirogenic Uplift History and Karstification of North Florida. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract H34B-05.
- Elmore, R, Gulick, S P, Mohrig, D, Willems, B , Powell, R D, **Jaeger, J M** (2007) Investigation Into the Origin of Submarine Channelized Deposits Found on the Continental Shelf of Southern Alaska *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract C41A-0040.
- Stoner, J S, Rosen*, G P, **Jaeger, J M**, Channell, J, (2007). Observations on the Sediment Magnetic Acquisition Process from Multicores Collected From the SE Alaska Margin. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract GP33E-07.
- Willems, B A, Powell, R D, Gulick, S P, **Jaeger, J M**, Elmore, R (2007). Glacier Dominated Shelf Stratigraphy Interpreted From High-Resolution Seismic Reflection Profiles Within the Yakutat Sea Valley Region, Gulf of Alaska. *Eos Trans. AGU*, 88(52), Fall Meet. Suppl., Abstract C41A-0039.
- Willems, B.A, Powell, R. D., Cowan, E.A., and **Jaeger, J. M.**, (2007). Seismic Reflection Characteristics Of Temperate Glacimarine Varves: An Example From Disenchantment Bay, Alaska. Abstracts With Programs - Geological Society Of America, Vol. 39, No. 6, Paper No. 27-19.
- Jaeger, J M**, Vienne, W, Channell, J E, Stoner, J , Finney, B, (2006), Do Continental Shelf Strata Contain Evidence of Rapid Late 20th Century Glacial Melting and Increased Runoff in Alaska?, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract OS23A-1617
- Gulick, S P, **Jaeger, J M**, Willems, B, Powell, R D, Lowe, L A, (2006), Glacial climate driven sedimentation overwhelms tectonics in the battle for control of margin architecture: Southeast Alaska, St. Elias Orogeny, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract T24B-05
- Jackolski, C L., E.A. Cowan, **J.M. Jaeger**, R. Powell, (2006), High-Resolution Glacial Discharge Records From Deep-Water Tidal Rhythmites in an Alaskan Fjord, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract PP51C-1155.
- Jackolski, C L., E.A. Cowan, **J.M. Jaeger**, R. Powell, (2006), Tidal Rhythmites in Alaskan Fjord Sediment: Establishing a Paleomeltwater Record. Geological Society of America *Abstracts with Programs*, Vol. 38, No. 3, p. 19.
- Rosen*, G P, **Jaeger, J M**, Stoner, J S, Channell, J E, (2006), Establishing and characterizing modern depositional analogues for Late Quaternary paleoenvironmental reconstructions in the Gulf of Alaska region, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract PP54A-06
- Roy, M., Martin, J., Cable, J., **Jaeger, J.**, Smith, C., and Cherrier, J., 2006. Fe and Mn Distribution in Pore Water: An Indicator Of Submarine Groundwater Discharge. Geological Society of America *Abstracts with Programs*, Vol. 38, No. 7, P. 464.
- Ullrich*, A. D., Cowan, E., Zellers, S., and **Jaeger, J.**, 2006. Seasonal Variations in Benthic Foraminiferal Assemblages in Disenchantment Bay, Southern Alaska. Geological Society of America *Abstracts with Programs*, Vol. 38, No. 7, p. 488
- Van Eaton, A R, Zimmerman, A, Brenner, M, Kenney, W, **Jaeger, J M**, (2006), Reconstruction of Disturbance History in Naples Bay, Florida: A Combined Radiometric/Geochemical Approach, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract OS11C-1520

- Willems, B. A., R. Powell, E.A. Cowan, **J.M. Jaeger**, (2006), A Marine Record of the Largest Jokulhlaup's in Recorded History: an Analogy for Subglacial Outburst Flooding, *Eos Trans. AGU*, 87(52), Fall Meet. Suppl., Abstract C31A-1243.
- Jaeger, J.**, Hartl*, K. Cable, J.E., Martin, J.B., (2005) Evaluating The Role Of Bioirrigation In Submarine Ground Water Discharge: Abstracts With Programs - Geological Society Of America, Vol.37, No.7, pp.
- Jaeger, J.M.**, R. Powell, E. Cowan, S. Gulick, P. Mann, T. Pavlis, B. Finney (2005), Uplift versus Denudation: the Sedimentary Record of Yakutat Terrane Collision and Glacial Erosion in Southeast Alaska. A Geological Society of America Penrose Meeting Lessons in Tectonics, Climate, and Eustasy from the Stratigraphic Record in Arc Collision Zones.
- Hartl*, K., **Jaeger, J.**, Cable, J.E., Martin, J.B., (2005) Submarine Groundwater Discharge In Lagoonal Sediments Of A Holocene Transgressive Barrier Island Sequence: Abstracts With Programs - Geological Society Of America, Vol.37, No.7
- Rosen*, G.P., **Jaeger, J.M.**, Stoner, J.S., Channell, J.E., (2005) Establishing the Temporal Resolution of High-Latitude Paleoclimatic and Paleomagnetic Signals in Bioturbated Gulf of Alaska Continental Margin Sediments, *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract H51G-0446.
- Gulick, S., P. Mann, G. Christeson, H. van Avendonk, T. Pavlis, **J. Jaeger**, R. Powell, E. Cowan (2005) Geophysical and Geologic Investigations of the Yakutat Terrane Collision, Glacial Erosion, and Marine Deposition, St. Elias Orogen, Southeast Alaska. A Geological Society of America Penrose Meeting Lessons in Tectonics, Climate, and Eustasy from the Stratigraphic Record in Arc Collision Zones.
- Gulick, S.P., Willems, B., Powell, R.D. **Jaeger, J.M.**, Cowan, E.A., (2005) High-resolution seismic images of southeast Alaskan glacial fjords and continental shelf: Is the present the key to the past? *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract H51G-0444.
- Martin, J.B., Cable, J.E., **Jaeger, J.**, Roy, M., Hartl*, K., and Smith, C.G. (2005). Separating Marine and Terrestrial Submarine Ground Water Discharge: Abstracts With Programs - Geological Society Of America, Vol.37, No.7
- Van Eaton, A., Zimmerman, A., **Jaeger, J. M.**, Brenner, M., (2005) A Geochemical Record Of Anthropogenic Disturbances In Naples Bay Estuary, Florida : Abstracts With Programs - Geological Society Of America, Vol.37, No.7
- Willems, B.A., Gulick, S.P., Powell, R.D., **Jaeger, J.M.**, Cowan, E.A., (2005) Multiple Glacial Advance and Retreat Cycles Preserved in Yakutat Bay, Southern Alaska: Potential for Constraining Cordilleran Ice Sheet and Southern Alaskan Climate Histories. *Eos Trans. AGU*, 86(52), Fall Meet. Suppl., Abstract H51G-0445.
- Vienne*, W F **Jaeger, J** (2004), A Continental Shelf Sediment Transport Proxy Record of Decadal Atmospheric and Oceanographic Variability in Southern Alaska, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract PP21A-1371.
- Jaeger, J M** Vienne*, W Hildick*, A Stoner, J (2004), Sediment Proxies of Quaternary Glacial Dynamics in the Gulf of Alaska Region, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract H51A-1098.
- Finney, B P., **Jaeger, J M.**, Mix, A C, Cowan, E A, Gulick, S S, Mayer, L A, Pisias, N G, Powell, R D, Prahl, F, Stoner, J S (2004), High-Resolution Holocene Records of Paleooceanographic and Paleoclimatic Variability from the Southern Alaskan Continental Margin, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract OS52A-04.
- Gulick, S S, Powell, R D, **Jaeger, J M**, Cowan, E A, Mayer, L A, Mix, A C, Finney, B P, Pisias, N G, Prahl, F , Stoner, J S (2004), Glacial Advances and Retreats in Tectonic Southeast Alaska During the Little Ice Age and Last Glacial Maximum: Preliminary Results from EW0408, *Eos Trans. AGU*, 85(47), Fall Meet. Suppl., Abstract H51A-1099.
- Jaeger, J. M.**, Sun, M.Y., White, J. R., and Hendrickson, J. (2004) A Seasonal Time-Series Study of Sediment Resuspension in a High-Organic-Carbon Blackwater Estuary, Lower St. Johns River Florida: Implications for Estuarine Nutrient Fluxes. *Eos Trans. AGU*, 84(52), Ocean Sci. Meet. Suppl., Abstract OS21D-02, 2004.
- Mertz*, L.M., Hart*, M.L., and **J. Jaeger**. (2003) Preservation Potential Of Paleocyclone Deposits In Gulf of Mexico Coastal Sediments. Gulf Coast Association of Geological Societies Annual Meeting, 2003. Baton Rouge, LA.
- Mausner*, J., **Jaeger, J.**, and Hart, M. (2003) An examination of anthropogenically influenced sedimentation in highly developed Florida Estuaries. 2003 Estuarine Research Federation conference, p. 54.

- Jaeger, J. M.**, Sun, M.Y., White, J. R., and Hendrickson, J. A (2003) Seasonal Time-Series Study of Sediment Resuspension in a High-Organic-Carbon Blackwater Estuary, Lower St. Johns River Florida. 2003 Estuarine Research Federation conference, p. 57.
- Jaeger, J. M.**, Vienne*, W., Finney, B., Stoner, J., Evans, H. (2003) A Sub-Decadal Continental Margin Record of Little Ice Age-to-Modern Climate-Induced Changes in Sediment Delivery and Transport in the Gulf of Alaska. *Eos Trans. AGU*, 84(46), Fall Meet. Suppl., Abstract PP52C-06.
- Jaeger, J.M.**, Nittrouer, C.A., Milliman, J.D., Evaluating Uplift Versus Glacial Erosion in the Chugach-St. Elias Mountains, South-Central Alaska: Answers from Holocene Marine Strata, (2002) Fall American Geophysical Union Meeting, *EOS Transactions, AGU*, 83 (47), Fall Meeting. Suppl., F1362.
- Hart* M.R. and **Jaeger, J.M.**, Evaluating Multi-Proxy Records of Paleocyclones in Florida Coastal Sediments, (2002) Fall American Geophysical Union Meeting, *EOS Transactions, AGU*, 83 (47), Fall Meeting. Suppl., F900.
- Jaeger, J.**, Mausner*, J., Mehta, A., (2003), Exploring Historic Anthropogenic Disturbance In Florida Estuaries With Multiple Radioisotopic Tracers, *GSA Abstracts with Programs Vol. 35, No. 1. Feb. 2003.*
- Mertz*, L., M. Hart*, and **Jaeger, J.**, (2003), Use Of Radioisotopes To Constrain Preservation Potential Of Paleostorm Deposits In Gulf Of Mexico Coastal Sediments, *GSA Abstracts with Programs Vol. 35, No. 1. Feb. 2003.*
- Jaeger, J.**, Mehta, A., Faas, R., and Hart*, M. An Examination Of Anthropogenically Controlled Sedimentation In A Highly Developed South Florida Estuary, Palm Beach County Florida, Geological Society of America Annual Meeting, November, 2001. Abstracts with Programs - Geological Society of America, vol.33, no.6, pp.453, Nov 2001
- Jaeger, J.M.** and J.D. Milliman. (2001) The Importance of Sediment Gravity Flows and Submarine Slope Failures in the Creation of Glacimarine Strata in Southern Alaska. 2000 Fall American Geophysical Union Meeting, Dec. 2001.
- Jaeger, J.M.**, (2001). Determining Limits on the Temporal Resolution of Paleoenvironmental Records in High-Latitude Marine Sediments in the Gulf of Alaska. Changes In Climate And Environment At High-Latitudes Conference. Abstracts and Proceedings of the Norwegian Geological Society, no. 2, p. 46.
- Jaeger, J.M.**, Nittrouer, C.A., Milliman, J.D., Henrichs, S.A., and Ding, X. (2001), Modern Paraglacial Shelf Sedimentation: Insights from the Northeast Gulf of Alaska. American Geophysical Union Chapman Conference on the Formation of Sedimentary Strata on Continental Margins Ponce, Puerto Rico, June.
- Jaeger, J.M.**, (2001) Developing High-Resolution Chronologies in Glacimarine Sediments: Examples From Southeastern Alaska. Geological Society, Special Meeting, Glacier-Influenced Sedimentation On High-Latitude Continental Margins, British Geological Society, University of Bristol, Bristol, England, March 2001
- Jaeger, J. M.**, M.L. Bateman, B. Carson, M. Kastner and D. Bartlett, (2000), Cold seep authigenic carbonates from Northern Hydrate Ridge, Cascadia: Models of Formation. *EOS Transactions, AGU*, 81(48), Fall Meeting. Suppl., Abstract OS61B-14, F638.
- Carson, B., M. Kastner, D. Bartlett, K Bidle, **J. Jaeger**, M.L. Bateman*, and H. Jannasch, (2000). Active Carbon Flux on the Cascadia Accretionary Prism: Preliminary results from long-term, in-situ measurements at ODP Site 892B, *EOS Transactions, AGU*, 81(48), Fall Meeting. Suppl., Abstract OS51E-11, f604.
- Kastner, M., D. Bartlett, K. Bidle, B. Carson, **J. Jaeger**, and H. Jannasch, (1999). Active Carbon Flux on the Cascadia Accretionary Prism: In-Situ Measurement of Hydrocarbon Sequestration as Gas Hydrates and Authigenic Carbonate Deposits, *EOS Transactions* 80 (46), OS203.
- Kastner, M., A. Paytan, D Bartlett, K. Bidle, B Carson, b, and H Jannasch, (1998). Methane Advection, Methane Hydrate Formation and Possibly Dissociation, at the Cascadia Margin, *Off Central Oregon* 79 (45), OS72H-01.
- Jaeger, J.M.**, Carson, B., Sreaton, E. J., Jannasch, H., Kastner, M, and Bartlett, D., (1998), In-Situ Measurement of Hydrocarbon-Rich Fluid Flow from the Cascadia Accretionary Prism, *EOS Transactions* 79 (45), OS71B-09.
- Jaeger, J.M.**, and Nittrouer, C.A., (1997). Line source sediment accumulation on continental shelves; an alternative to the point source deltaic model. Abstracts with Programs - Geological Society of America, v. 29, n. 6, p. 439.

- Jaeger, J.M.**, C.A. Nittrouer, and J.D. Milliman, (1996). Sediment delivery and accumulation along a mountainous coastline: Northeastern Gulf of Alaska, EOS Transactions, Fall AGU Meeting.
- Jaeger, J.M.** and C.A. Nittrouer, (1996). Sedimentary environments of the northeastern Gulf of Alaska shelf: point source versus line source deposits, EOS Transactions 77, OS203.
- Nittrouer C.A. and , (1996). Sediment accumulation in the Copper River dispersal system, EOS Transactions 77, OS203.
- Milliman, J.D. D. Stocks, **J.M. Jaeger** and C.A. Nittrouer, (1996). Prince William Sound, Alaska: distal depocenter for Copper River sediment, EOS Transactions 77, OS202.
- Jaeger, J.M.**, C.A. Nittrouer, and J.D. Milliman, (1995). Short-term sedimentary processes in a temperate glacial fjord: Icy Bay, Alaska, EOS Transactions 76, F290.
- Nittrouer C.A. and **J.M. Jaeger**, (1994). Advection of suspended particles in the Ross Sea and implications for the fate of biogeochemical materials, EOS Transactions 75, OS139.
- Jaeger, J.M.** and C.A. Nittrouer, (1992). Temporal controls on the formation of strata on the Amazon Subaqueous Delta, EOS Transactions 73, F268.

Service for the profession

- Participant in organizational meeting for the Marine and Coastal Geoscience Division, GSA 2019 meeting
- Co-Chair, workshop and white paper author, Assessment of the JOIDES Resolution in Meeting the Challenges of the IODP Science Plan, September 2018, Denver CO
- SEPM (Society for Sedimentary Geology), Shepard Medal Selection Committee, 2013-2016.
- Chair, U.S. Advisory Committee for Scientific Ocean Drilling (USAC). Term 2013-2015.
- Member National Science Foundation GeoPRISMS (Geodynamic Processes at Rifting and Subducting MarginS) mid-life review committee July-August 2015.
- Member, U.S. Advisory Committee for Scientific Ocean Drilling (USAC). Term 2012-2015.
- Member, National Science Foundation GeoPRISMS (Geodynamic Processes at Rifting and Subducting MarginS) Steering and Oversight Committee (GSOC), Nov. 2010-Mar. 2013.
- Workshop steering committee member (7 members), National Science Foundation GeoPRISMS-EarthScope Alaska Planning Workshop. This was a 2.5-day meeting in Portland, OR in Sept. 2011 with ~150 attendees who participated in break-outs and in plenary sessions that lead to a consensus plan for GeoPRISMS science in Alaska. I was responsible for the creation of an Alaska/Aleutian Implementation Plan for the National Science Foundation
(http://www.geoprisms.org/images/stories/documents/IP/december2013/GeoPRISMS_IP_Alaska_12-23-13.pdf)
- Served as member of Coastal Community Resiliency Initiative Focus Group, Department of Economic Opportunity, State of Florida, March 2012-present. As a member of this group of ~40 scientists, policy makers, and stakeholders, we will participate in a NOAA-funded, 5-year project to integrate planning for sea level rise adaptation into the existing planning framework in Florida.

National Science Foundation Proposal Review Panels:

- Ocean Sciences review panel member “CBED 05 - Technologies for the Study of Coastal Benthic Boundary Layer”, July 2005

- Office of Polar Programs/Arctic Natural Sciences/ARCSS, April 2006
- Office of Polar Programs/Arctic Natural Sciences BEST Panel, June 2007.
- Office of Polar Programs/Arctic Natural Sciences/ARCSS, April 2008
- Office of Polar Programs/Antarctic Integrated System Science Program, July 2014

Integrated Ocean Drilling Program (IODP) Panels:

- Science Steering and Evaluation Panel (SSEP), May 2006-May 2009
- US Advisory Committee for Scientific Ocean Drilling (USAC). Term 2011-2014
- External Proposal Reviewer for International Ocean Discovery Program (Oct. 2019)

Science Planning Workshops:

- Working Group Theme Chair, INVEST (IODP Ventures in Exploring Scientific Targets) workshop. INVEST was organized as a large, multidisciplinary, international community meeting, whose focus was to define the scientific research goals of a new ocean drilling program. University of Bremen, Germany, September 23-25, 2009.
- Convener and organizer of Alaska Community workshop jointly funded by Joint Oceanographic Institutions and NSF/EAR, 53 participants
- Co-breakout session chair, “Drilling to Decipher Long-term Sea-level Changes and Effects”, Joint Oceanographic Institutions, IODP-Management International, International Continental Scientific Drilling Program, DOSECC, and the Chevron Corporation, Salt Lake City, October, 2007
- Lead editor on a white paper resulting from a workshop held at Austin Texas, May 5-6, 2003 jointly sponsored by the Continental Dynamics Program, Earth Sciences Division, National Science Foundation (CD/GEO/EAR) and the Joint Oceanographic Institutions/U.S. Science Support Program (JOI/USSSP). 2004. Austin, TX. 80 pp
- Presenter at NSF MARGINS Source-to-sink planning workshop, 2001
- Attendee: NSF/NOAA/Navy Coastal Ocean Processes Program, Salt Lake City 1998, St. Petersburg FL 2004; NSF/JOI ANDRILL-US WORKSHOP, Denver, 2005
- Reviewed Manuscripts for: *Marine Geology, Journal of Sedimentary Research, Sedimentary Geology, Continental Shelf Research, Geology, Arctic, Antarctic, and Alpine Research, Estuaries, Antarctic Research Series Monograph, Marine Environmental Research, Geophysical Research Letters, Estuarine, Coastal and Shelf Science, Journal of Quaternary Science, Science Advances, PNAS, Geosphere*
- Reviewed Book Chapters: *STRATAFORM Master Volume*, Tom Bianchi "Biogeochemistry of Estuaries".
- *Reviewed Proposals for:* National Science Foundation (Office of Polar Programs, Ocean Sciences, Earth Sciences), American Chemical Society Petroleum Research Fund, NOAA National Undersea Research Program, National Geographic Society, Deutsche Forschungsgemeinschaft (DFG), Norwegian NWO Council for the Earth and Life sciences,

Professional Meetings and Workshops

Co-Convener, Climate and Tectonic Archives of the North Pacific and Beringia: Insights into Fans, Faults, Ice Sheets, and Ocean Gateways. American Geophysical Union, Annual Meeting, 2023, Dec 15. AGU.

Co-Convener, "T32E Marine Sedimentary Records of Climate-Tectonic Interactions I", Fall 2015 American Geophysical Union Annual Meeting

Co-Convener, "T11A Active Tectonics and Magmatism of Alaska, the Aleutians, and northwest Canada", Fall 2014 American Geophysical Union Annual Meeting

Co-Convener, "EP009. Exploring the interplay between solid Earth tectonics and surface processes from mountains to the sea", Fall 2013 American Geophysical Union Annual Meeting

Co-Convener, "T048. Source to Subduction: The Interplay of Sedimentation and Deformation at Subduction Zones", Fall 2011 American Geophysical Union Annual Meeting

Co-Convener, "PP21: Examining Late Quaternary Linkages Between Oceanographic, Terrestrial, and Cryospheric Dynamics in the Northeastern Pacific and Gulf of Alaska Regions", Fall 2006 American Geophysical Union

Co-Convener, "H53: Exploring the Response of High-Latitude Landscapes and Surface Processes to Global Changes" oral and poster session, Fall 2005 American Geophysical Union

Co-Convener, "The Interplay of Collisional Tectonics and Late Cenozoic Glacial Climate in Alaska and the northeastern Pacific Ocean: A Continental Dynamics/NSF and JOI/USSSP Sponsored Workshop. May, 2003 University of Texas at Austin

Co-Convener, "Interplay of Tectonics, Glacial Climate, and Surficial Processes in the Evolution of Collisional Coastal Margins" oral and poster session, Fall 2002 American Geophysical Union

Co-Convener, "Continental Shelf Sedimentary Processes" poster session, 1996 AGU/ASLO meeting, San Diego

Invited Papers and Seminars

Ocean Discovery Lecturer, USSSP-IODP Ocean Discovery Lecture Series, for the 2016-2017 academic year (7 lectures)

Guest Lecturer, April 10, 2015, University of Missouri, Columbia MO

Guest Lecturer, Sept. 17, 2015, University of South Florida, St. Petersburg, FL

Chapman Seminar Series, Guest Lecturer, March 5-7, 2014, University of Alaska Fairbanks

Alaska Quaternary Center (AQC) Guest Lecturer, April 12-16, 2010. Based at the University of Alaska Fairbanks, the AQC is an interdisciplinary association with a primary mission to promote Quaternary research and education in the North. Talks given at University of Alaska Fairbanks, University of Alaska Anchorage, and USGS Alaska Science Center on "Gulf of

Alaska glacier melting events and the connection to oceanic and atmospheric circulation” and “The Quaternary Marine Record of Bering Glacier Dynamics: Ice streams, Surges, and Outburst Floods”.

“Fjord Sedimentation: A proxy record for runoff?” Coastal Engineering, UF, 10/12/09.

“Sedimentary Records of Holocene Climate Change in the coastal Gulf of Alaska”, Coastal Engineering, UF, 10/13/07.

“The Interplay of Climate Change and Sea Level: Florida's Transformation over Geologic Time” Oak Hammock Climate Change Short Course, Gainesville FL, 3/18/2008.

" Sediment and Organic Matter Dynamics in the LSJR", St. Johns River Water Management District, Palatka, Fl., 11/18/03

" Sediment transport and climate change: A view from continental shelf sediments ", Department of Civil and Coastal Engineering, University of Florida, 11/15/03

"Geology of South Florida” Soil and Water Sciences SOS 5235 South Florida Ecosystems (Distance Education), 5/22/03

"The Sedimentary Record of Anthropogenic Disturbance of Florida's Estuaries", Department of Geology, University of South Florida, 4/14/03

"Estuarine Sedimentary Processes in Florida", University of South Florida, 2/15/03

"The Sedimentary Record of Anthropogenic Disturbance of Florida's Estuaries", Center For Wetlands, University of Florida, 3/5/03

"Humans vs. Nature: Deciphering the historical sedimentary record of the Lower St. Johns River Estuary", University of North Florida, 11/22/02

“A Quantitative Evaluation of Seasonal and Historical Sedimentary Processes in the Lower St. Johns River Estuary”, Lower St. Johns River Research Symposium, Jacksonville University, 10/14/02

"Glacial erosion and the creation of high-latitude continental margin strata", Texas A&M University, Galveston 10/22/02

"Glacial erosion and the creation of high-latitude continental margin strata", NSF MARGINS Source-to-Sink Workshop, Lake Tahoe CA, 9/25/01

Courses Taught

Undergraduate

ESC1000 Introduction to Earth Sciences

GLY 1000 Exploring Geological Sciences

GLY 2010C Physical Geology
GLY 2010C Honors Physical Geology
GLY 4552 Sedimentary Geology
GLY 3083C Fundamentals of Marine Sciences

Graduate

GLY5733 Marine Geology (team taught)
GLY 5558 Sedimentology
GLY 5576 Continental Margin Stratigraphy
GLY6519 Modern Stratigraphy
GLY 6932 Special Topics in Geology/GIS Applications in Geological Science

Current students under your direction

- Rachael Durr, MSc.

Names and placement of students awarded graduate degrees under your direction

- Mary Lindsey Bateman, Masters of Science, December 2002, currently employed by El Paso Oil and Gas, Houston TX
- Jesse Mausner, Masters of Science, May 2003, current employment unknown
- Mary L. Hart, Masters of Science, December 2003, Geohazards, Gainesville. Fl.
- Lisa M. Mertz, Masters of Science, August 2006, employed by Arcadis Geraghty & Miller Inc, Mahwah, NJ
- W. Vienne, Masters of Science, August 2005, currently employed by environmental firm Round Rock , TX
- Kevin Hartl, M. Sc., August 2006, employed by Chesapeake Energy Corporation, Oklahoma City, OK.
- Alice Hildick, M.Sc., December 2006, currently employed by Exxon/Mobil, Houston TX.
- Braden Kramer, M.Sc., May 2008, Brown Root Environmental, Aiken SC.
- Kendall Fountain, Ph.D., May 2010, Senior Manager, Mineral Resources, Plum Creek Timber, Athens Georgia
- Alex Ullrich, M. Sc., May 2009, Adjunct Professor, Valencia College-Osceola Campus
- Rich MacKenzie, Ph.D., August 2012. U.S. Bureau of Ocean Energy Management.
- Dylan Loss, M.Sc., May 2013, ConocoPhillips, Houston TX
- Tania Villasenor, Ph.D., August 2015, Assistant Professor, Universidad de O'Higgins in Chile
- Joe Kendall Salinas, M.Sc., August 2017, HSW Engineering, Orlando FL.
- Krista McGillvary, M.Sc., May 2018, ExxonMobil. Houston, TX
- Michelle Penkrot, Ph.D., December 2018, Curator, Gulf Coast Repository, Texas A&M
- Nicole Greco, Ph.D., May 2024, Community Education and Outreach Coordinator for NCEAS (National Center for Ecological Analysis and Synthesis), U.C. Santa Barbara

Graduate committee service

Ph.D.-64

M.Sc.-52

Service to department

- Departmental Graduate Student Advisor and Coordinator (2008-2013, 2022 to present)
- Served on search and screen committee for faculty positions in: climate change (2020); plate margin geology (chair; 2018); solid earth geology (2005); climate change organic geochemistry (2000, 2003), geophysics (2002)
- Student Awards Committee (2001-2013)
- Tenure and Promotion Study Group
- Faculty Merit Pay Committee (2005-2018)
- Graduate Studies Committee (2005-present)
- Space Committee (2014-2022)

Service to the College and University

- *College of Liberal Arts and Sciences Post-Tenure Review Committee Chair, 2024*
- *College of Liberal Arts and Sciences Tenure and Promotion Committee, 2022-present*
- *Marine Sciences Committee 2020-present*
- *College of Liberal Arts and Sciences Curriculum Committee, 2019-2020*
- *University of Florida Press Advisory Board, 2016-2021*
- *Graduation Marshal: 2009, 2012, 2014, 2015*
- *Mentor for UF's University Scholars Program, 2006*

I mentored geology undergraduate major Kelly Deuerling for her project on sedimentary weathering regimes in Alaska.

- *Mentor for UF's Student Science Training Program (SSTP)*

I mentored two high school students, Kevin Humphreys and Mary Arden, in my lab in the summer of 2002.

Volunteered at local schools

Gave presentation to three 1st grade classes at Talbot Elementary on Rocks and Minerals (2005)