

LADDER: Publications

In Press or Submitted

(more coming soon)

Published

Lavelle, J.W., A.M. Thurnherr, L.S. Mullineaux, D.J. McGillicuddy Jr., and J.R. Ledwell. 2012. The prediction, verification, and significance of flank jets at mid-ocean ridges. *Oceanography* 25(1):277–283, <http://dx.doi.org/10.5670/oceanog.2012.26>. ([pdf](#))

Thurnherr, A.M., and L.C. St. Laurent. 2012. Turbulence observations in a buoyant hydrothermal plume on the East Pacific Rise. *Oceanography* 25(1):180–181, <http://dx.doi.org/10.5670/oceanog.2012.15>. ([pdf](#))

Fornari, D.J., K.L. Von Damm, J.G. Bryce, J.P. Cowen, V. Ferrini, A. Fundis, M.D. Lilley, G.W. Luther III, L.S. Mullineaux, M.R. Perfit, M.F. Meana-Prado, K.H. Rubin, W.E. Seyfried Jr., T.M. Shank, S.A. Soule, M. Tolstoy, and S.M. White. 2012. The East Pacific Rise between 9°N and 10°N: Twenty-five years of integrated, multidisciplinary oceanic spreading center studies. *Oceanography* 25(1):18–43, <http://dx.doi.org/10.5670/oceanog.2012.02>. ([pdf](#))

Adams, D.K., S.M. Arellano, and B. Govenar. 2012. Larval dispersal: Vent life in the water column. *Oceanography* 25(1):256–268, <http://dx.doi.org/10.5670/oceanog.2012.24>. ([pdf](#))

Fornari, D.J., S.E. Beaulieu, J.F. Holden, L.S. Mullineaux, and M. Tolstoy. 2012. Introduction to the special issue: From RIDGE to Ridge 2000. *Oceanography* 25(1):12–17, <http://dx.doi.org/10.5670/oceanog.2012.01>. ([pdf](#))

Lavelle JW. 2012. On the dynamics of current jets trapped to the flanks of mid-ocean ridges. *J. Geophys. Res* 117: C07002, doi:10.1029/2011JC007627 ([pdf](#))

Adams DK, McGillicuddy DJ, Zamudio L, Thurnherr AM, Liang X, Rouxel O, German CR, Mullineaux LS (2011) Surface-generated mesoscale eddies transport deep-sea products from hydrothermal vents. *Science* 332:580-583 ([pdf](#)) ([SOM](#))

Liang X, Thurnherr AM. 2011. Subinertial variability in the deep ocean near the East Pacific Rise between 9° and 10°N. *GRL* 38: L06606 ([pdf](#))

Thurnherr AM, Ledwell JR, Lavelle JW, Mullineaux LS. 2011. Hydrography and circulation near the crest of the East Pacific Rise between 9° and 10° N. *Deep-Sea Research Part I-Oceanographic Research Papers* 58:365-376 ([pdf](#))

Bayer, S.R., L.S. Mullineaux, R.G. Waller, A.R. Solow. 2011. Reproductive traits of pioneer gastropod species colonizing deep-sea hydrothermal vents after an eruption. *Marine Biology* 158:181-192 ([pdf](#))

Mullineaux LS, Adams DK, Mills SW, Beaulieu SE. 2010. Larvae from afar colonize deep-sea hydrothermal vents after a catastrophic eruption. *PNAS* 107:7829–7834 ([pdf](#))

Adams DK, Flierl GR. 2010. Modeled interactions of mesoscale eddies with the East Pacific Rise: Implications for larval dispersal. *Deep-Sea Research Part I-Oceanographic Research Papers* 57:1163-1176 ([pdf](#))



[Enlarge Image](#)

Manipulator of Alvin holding a piece of basalt covered with limpets. (photo by LADDER science party and WHOI Alvin Group)

Related Files

- » [Neubert et al. 2006](#)
- » [Mills et al. 2007](#)
- » [Adams 2007](#)
- » [Lenihan et al. 2008](#)
- » [Adams & Mullineaux 2008](#)
- » [Beaulieu et al. 2009](#)
- » [Mullineaux et al. 2009](#)
- » [Mills et al. 2009](#)
- » [McGillicuddy et al. 2010](#)
- » [Jackson et al. 2010](#)
- » [Adams et al. 2010](#)
- » [Adams & Flierl 2010](#)
- » [Lavelle et al. 2010](#)
- » [Thurnherr 2010](#)
- » [Mullineaux et al. 2010](#)
- » [Bayer et al. 2011](#)
- » [Thurnherr et al. 2011](#)
- » [Liang et al. 2011](#)
- » [Adams et al. 2011](#)
- » [Adams et al. 2011 \(SOM\)](#)
- » [Lavelle 2012](#)
- » [Fornari 2012 Oceanography](#)
- » [Adams 2012 Oceanography](#)
- » [Fornari2 2012 Oceanography](#)
- » [Thurnherr 2012 Oceanography](#)
- » [Lavelle 2012 Oceanography](#)

- Thurnherr A. 2010 A practical assessment of the errors associated with full-depth LADCP profiles obtained using Teledyne RDI Workhorse acoustic doppler current profilers. *J Atmos Ocean Technol* 27:1215-1227 ([pdf](#))
- Lavelle JW, Thurnherr AM, Ledwell JR, McGillicuddy DJ, Mullineaux LS. 2010. Deep ocean circulation and transport where the East Pacific Rise at 9-10°N meets the Lamont seamount chain. *Journal of Geophysical Research-Oceans* 115:C12073 ([pdf](#))
- McGillicuddy DJ, Lavelle W, Thurnherr AM, Kosnyrev VK, Mullineaux LS. 2010. Larval dispersion along an axially symmetric mid-ocean ridge. *Deep Sea Res I* 57:880-892 ([pdf](#))
- Jackson, P.R., J.R. Ledwell, A.M. Thurnherr. 2010. Dispersion of a tracer on the East Pacific Rise (9°N to 10°N), including the influence of hydrothermal plumes. *Deep-Sea Research* ([pdf](#))
- Adams, D.K., S.W. Mills, T.M. Shank, L.S. Mullineaux. 2010. Expanding dispersal studies at hydrothermal vents through species identification of cryptic larval forms. *Marine Biology* ([pdf](#))
- Mills, S. W., S. E. Beaulieu, and L. S. Mullineaux. 2009. Photographic identification guide to larvae at hydrothermal vents. Woods Hole Oceanog. Inst. Tech. Rept. WHOI-2009-05. ([pdf](#))([url](#))
- Mullineaux, L.S., F. Micheli, C.H. Peterson, H.S. Lenihan, N. Markus. 2009. Historical effects on succession : imprint of past conditions on structure of a deep-sea hydrothermal vent community. *Oecologia* 161:387-400. ([pdf](#))
- Beaulieu, S.E, L.S. Mullineaux, D.K. Adams and S.W. Mills. 2009. Comparison of a sediment trap and plankton pump for time-series sampling of larvae near deep-sea hydrothermal vents. *Limnology & Oceanography Methods* 7:235-248 ([pdf](#))
- Adams, D.K. and L.S. Mullineaux. 2008. Gastropod larval flux to hydrothermal vents influenced by spatial and temporal variability in currents on small scales. *Limnology and Oceanography* 53: 1945 – 1955. ([pdf](#))
- Lenihan, H.S., S.W. Mills, L.S. Mullineaux, C.H. Peterson, C.R. Fisher, F. Micheli. 2008. Biotic interactions at hydrothermal vents: recruitment inhibition by the mussel *Bathymodiolus thermophilus*. *Deep-Sea Research* 155:1707-1717.([pdf](#))
- Tyler, P.A., S. Pendlebury, S.W. Mills, L.S. Mullineaux, K.J. Eckelbarger, M. Baker and C.M. Young. 2008. Reproduction of gastropods from vents on the East Pacific Rise and the Mid-Atlantic Ridge. *J. Shellfish Res.* 27: 107-118
- Mills, S.W., L.S. Mullineaux and P.A. Tyler. 2007. Habitat associations in gastropod species at East Pacific Rise hydrothermal vents (9°50'N). *Biological Bulletin* 212: 185-194 ([pdf](#))
- Adams, D.K. 2007. The influence of hydrodynamics on the larval supply to hydrothermal vents on the East Pacific Rise. MIT/WHOI PhD thesis, 164 pp. ([pdf](#))
- Neubert, M., L.S. Mullineaux and M.F. Hill. 2006. A metapopulation approach to interpreting diversity at deep-sea hydrothermal vents. In 'Marine Metapopulations', J. Kritzer and P. Sale, eds., Elsevier Academic Press, pp. 321-350. ([pdf](#))

Last updated: July 11, 2012

Copyright ©2007 Woods Hole Oceanographic Institution, All Rights Reserved.

Mail: Woods Hole Oceanographic Institution, 266 Woods Hole Road, Woods Hole, MA 02543, USA.

E-Contact: info@whoi.edu; press relations: media@whoi.edu, tel. (508) 457-2000

Problems or questions about the site, please contact webdev@whoi.edu