Dario Diehl

Research Coordinator
Cross Departmental Technical Support
Southern California Coastal Water Research Project

Education

B.S., marine biology, California State University, Long Beach. 1982

Professional Experience

Marine Programs Coordinator, Southern California Coastal Water Research Project Authority. Costa Mesa, CA. 1997-present

Senior Research Technician, Southern California Coastal Water Research Project Authority. Westminster, CA. 1990-1997

Research Technician, Southern California Coastal Water Research Project Authority. Long Beach, CA. 1983-1989

Professional Societies and Certifications

American Fisheries Society

American Geophysical Union

American Society of Ichthyologists & Herpetologists

Southern California Association of Marine Invertebrate Taxonomists

Southern California Association of Ichthyological Taxonomists and Ecologists

Southern California Academy of Sciences

Selected Presentations and Conference Proceedings

Elizabeth Fassman-Beck, E., D. Diehl, J. Lapinski, A. Montoya, and M. Borst. 2021. Innovating Traditional Instrumentation for Effective BMP Flow Monitoring. CASQA 2021 Virtual Conference October 26–27. Sacramento, CA.

Diehl, D. 2019. Hurdles encountered with AUVs [Autonomous Underwater Vehicles] for routine offshore water quality monitoring in Southern California. 8th EGO Meeting and International Glider Workshop. Rutgers University, NJ.

Diehl, D. 2011. Field Sampling Refresher Training. Presentation to County of Los Angeles, Department of Public Works, Watershed Management Division. Alhambra, CA.

Diehl, D. 2011. Examining the SCB via Autonomous Underwater Vehicle (AUV). Presentation at SCCWRP Symposium. Costa Mesa, CA.

Diehl, D. 2010. SQO Field Sampling Techniques. Demonstration at SCCWRP Symposium. Costa Mesa, CA.

Journal Articles

Mehinto, A.C., H.L. Schoenfuss, E. Wenger, D.W. Diehl, S.M. Bay. 2021. Application of an Effects-Based Monitoring Strategy to Assess the Impact of Contaminants on Fish Health in an Urbanized Watershed. *Environmental Toxicology and Chemistry* 40:402-412.

Nezlin, N.P., K. McLaughlin, J.A.T. Booth, C.L. Cash, D.W. Diehl, K.A. Davis, A. Feit, R. Goericke, J.R. Gully, M.D.A. Howard, S Johnson, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, L. Terriquez, L. Washburn, S.B. Weisberg. 2018. Spatial and Temporal Patterns of Chlorophyll Concentration in the Southern California Bight. *Journal of Geophysical Research: Oceans* 123:231-245.

Maruya, K.A., W. Lao, D. Tsukada, D.W. Diehl. 2015. A passive sampler based on solid phase microextraction (SPME) for sediment-associated organic pollutants: Comparing freely-dissolved concentration with bioaccumulation. *Chemosphere* 137:192-197.

Love, M.S., J.K. Passarelli, C. Okamoto, D.W. Diehl. 2015. The Bigeye Scad, Selar crumenophthalmus (Bloch, 1793) (Family Carangidae), New to the California Marine Fauna, with

a List to and Keys for All California Carangids. *Bulletin of the Southern California Academy of Sciences* 114:141-148.

Sabin, L.D., K.A. Maruya, W. Lao, D.W. Diehl, D. Tsukada, K.D. Stolzenbach, K.C. Schiff. 2010. Exchange of polycyclic aromatic hydrocarbons among the atmosphere, water, and sediment in coastal embayments of southern California, USA. *Environmental Toxicology and Chemistry* 29:265-274.

Nezlin, N.P., P.M. DiGiacomo, D.W. Diehl, B.H. Jones, S.C. Johnson, M.J. Mengel, K.M. Reifel, J.A. Warrick, M. Wang. 2008. Stormwater plume detection by MODIS imagery in the southern California coastal ocean. *Estuarine, Coastal and Shelf Science* 80:141-152.

Schiff, K.C., J.S. Brown, D.W. Diehl, D.J. Greenstein. 2007. Extent and magnitude of copper contamination in marinas of the San Diego region, California, USA. *Marine Pollution Bulletin* 54:322-328.

Nezlin, N.P., S.B. Weisberg, D.W. Diehl. 2007. Relative availability of satellite imagery and ship-based sampling for assessment of stormwater runoff plumes in coastal southern California. *Estuarine, Coastal and Shelf Science* 71:250-258.

Zeng, E.Y., D. Tsukada, D.W. Diehl, J. Peng, K.C. Schiff, J. Noblet, K.A. Maruya. 2005. Distribution and mass inventory of total dichlorodiphenyldichloroethylene in the water column of the Southern California Bight. *Environmental Science and Technology* 39:8170-8176.

Zeng, E.Y., D. Tsukada, D.W. Diehl. 2004. Development of a solid-phase microextraction-based method for sampling of persistent chlorinated hydrocarbons in an urbanized coastal environment. *Environmental Science and Technology* 38:5737-5743.

Schiff, K.C., D.W. Diehl, A. Valkirs. 2004. Copper emissions from antifouling paint on recreational vessels. *Marine Pollution Bulletin* 48:371-377.

Schiff, K.C., S.M. Bay, D.W. Diehl. 2003. Stormwater toxicity in Chollas Creek and San Diego Bay, California. *Environmental Monitoring and Assessment* 81:119-132.

Allen, M.J., P.V. Velez, D.W. Diehl, S.E. McFadden, M. Kelsh. 1996. Demographic variability in seafood consumption rates among recreational anglers of Santa Monica Bay, California, in 1991-1992. *Fishery Bulletin* 94:597-610.

Hose, J.E., J.N. Cross, S.G. Smith, D.W. Diehl. 1989. Reproductive impairment in a fish inhabiting a contaminated coastal environment off southern California. *Environmental Pollution* 57:139-148.

Hose, J.E., J.N. Cross, S.G. Smith, D.W. Diehl. 1987. Elevated circulating erythrocyte micronuclei in fishes from contaminated sites off southern California. *Marine Environmental Research*

22:167-176.

Book Chapters

Diehl, D.W. 2020. Key to Combfishes and Greenlings (Families Zaniolepididae and Hexagrammidae). in: M.S. Love, J.K. Passarelli (eds.), *Miller and Lea's Guide to Coastal Marine Fishes of California* pp. 175-178. UC Agriculture and Natural Resources. Davis, CA.

Diehl, D.W. 2020. Key to the Jacks (Family Carangidae). in: M.S. Love, J.K. Passarelli (eds.), *Miller and Lea's Guide to Coastal Marine Fishes of California* pp. 235-242. UC Agriculture and Natural Resources. Davis, CA.

Love, M.S., D.W. Diehl. 2020. Key to Driftfishes (Family Nomeidae). in: J.K. Passarelli (ed.), pp. 342. UC Agriculture and Natural Resources. Davis, CA.

Technical Reports

Diehl, D.W., A. Latker, K. Stolzenbach, L. O'Donahue, Z. Scott, S. Walther, K.C. Schiff. 2026. Southern California Bight 2023 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates. Technical Report 1470. Southern California Coastal Water Research Project. Costa Mesa, CA.

Bay, S.M., D.J. Greenstein, A.N. Parks, D.J. Gillett, W. Lao, D.W. Diehl. 2021. Sediment Quality Assessment Technical Support Manual. Technical Report 777. Southern California Coastal Water Research Project. Costa Mesa, CA.

Wisenbaker, K., K. McLaughlin, D.W. Diehl, A. Latker, K. Stolzenbach, R. Gartman, K.C. Schiff. 2021. Southern California Bight 2018 Regional Marine Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates. Technical Report 1183. Southern California Coastal Water Research Project. Costa Mesa, CA.

Nezlin, N.P., K. McLaughlin, A.T. Booth, C.L. Cash, D.W. Diehl, K. Davis, A. Feit, R. Goericke, J.R. Gully, M.D.A. Howard, S. Johnson, A. Latker, M.J. Mengel, G.L. Robertson, A. Steele, L. Terriquez, L.i.b.e. Washburn, S.B. Weisberg. 2017. Spatial and Temporal Patterns of Chlorophyll Concentration in the Southern California Bight. Technical Report 998. Southern California Coastal Water Research Project. Costa Mesa, CA.

Walther, S.M., J.P. Williams, A.M. Latker, D.B. Cadien, D.W. Diehl, K. Wisenbaker, E. Miller, R. Gartman, C. Stransky, K.C. Schiff. 2017. Southern California Bight 2013 Regional Monitoring Program: Volume VII. Demersal Fishes and Megabenthic Invertebrates. Technical Report 972. Southern California Coastal Water Research Project. Costa Mesa, CA.

Dodder, N., W. Lao, D. Tsukada, D.W. Diehl, K.C. Schiff. 2014. Areas of Special Biological Significance: Bioaccumulation Monitoring. Technical Report 816. Southern California Coastal Water Research Project. Costa Mesa, CA.

Howard, M.D.A., G. Robertson, M. Sutula, B.H. Jones, N.P. Nezlin, Y. Chao, H. Frenzel, M.J. Mengel, D.A. Caron, B. Seegers, A. Sengupta, E. Seubert, D.W. Diehl, S.B. Weisberg. 2013. Southern California Bight 2008 Regional Monitoring Program: VII. Water Quality. Technical Report 710. Southern California Coastal Water Research Project. Costa Mesa, CA.

Howard, M.D.A., G. Robertson, M. Sutula, B.H. Jones, N.P. Nezlin, Y. Chao, H. Frenzel, M.J. Mengel, D.A. Caron, B. Seegers, A. Sengupta, E. Seubert, D.W. Diehl, S.B. Weisberg. 2013. Southern California Bight 2008 Regional Monitoring Program: VII. Water Quality (Appendix A). Technical Report 710.A. Southern California Coastal Water Research Project. Costa Mesa, CA.

Howard, M.D.A., G. Robertson, M. Sutula, B.H. Jones, N.P. Nezlin, Y. Chao, H. Frenzel, M.J. Mengel, D.A. Caron, B. Seegers, A. Sengupta, E. Seubert, D.W. Diehl, S.B. Weisberg. 2013. Southern California Bight 2008 Regional Monitoring Program: VII. Water Quality (Appendix B). Technical Report 710.B. Southern California Coastal Water Research Project. Costa Mesa, CA.

Howard, M.D.A., G. Robertson, M. Sutula, B.H. Jones, N.P. Nezlin, Y. Chao, H. Frenzel, M.J. Mengel, D.A. Caron, B. Seegers, A. Sengupta, E. Seubert, D.W. Diehl, S.B. Weisberg. 2013. Southern California Bight 2008 Regional Monitoring Program: VII. Water Quality (Appendix C). Technical Report 710.C. Southern California Coastal Water Research Project. Costa Mesa, CA.

Howard, M.D.A., G. Robertson, M. Sutula, B.H. Jones, N.P. Nezlin, Y. Chao, H. Frenzel, M.J. Mengel, D.A. Caron, B. Seegers, A. Sengupta, E. Seubert, D.W. Diehl, S.B. Weisberg. 2013. Southern California Bight 2008 Regional Monitoring Program: VII. Water Quality (Appendix D). Technical Report 710.D. Southern California Coastal Water Research Project. Costa Mesa, CA.

Howard, M.D.A., G. Robertson, M. Sutula, B.H. Jones, N.P. Nezlin, Y. Chao, H. Frenzel, M.J. Mengel, D.A. Caron, B. Seegers, A. Sengupta, E. Seubert, D.W. Diehl, S.B. Weisberg. 2013. Southern California Bight 2008 Regional Monitoring Program: VII. Water Quality (Appendix E). Technical Report 710.E. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff. 2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates. Technical Report 655. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff.

2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates (Appendix B). Technical Report 655.B. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff. 2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates (Appendix D). Technical Report 655.D. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff. 2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates (Appendix A). Technical Report 655.A. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff. 2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates (Appendix C). Technical Report 655.C. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff. 2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates (Appendix E). Technical Report 655.E. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff. 2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates (Appendix F). Technical Report 655.F. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff. 2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates (Appendix G). Technical Report 655.G. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., D. Cadien, D.W. Diehl, K. Ritter, S.L. Moore, C. Cash, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, W. Power, A.K. Latker, J. Williams, J.L. Armstrong, E. Miller, K.C. Schiff.

2011. Southern California Bight 2008 Regional Monitoring Program: Volume IV. Demersal Fishes and Megabenthic Invertebrates (Appendix H). Technical Report 655.H. Southern California Coastal Water Research Project. Costa Mesa, CA.

Bay, S.M., D.J. Greenstein, J.A. Ranasinghe, D.W. Diehl, A.E. Fetscher. 2009. Sediment quality assessment draft technical support manual. Technical Report 582. Southern California Coastal Water Research Project. Costa Mesa, CA.

Bay, S.M., D.J. Greenstein, J.A. Ranasinghe, D.W. Diehl, A.E. Fetscher. 2009. Sediment quality assessment draft technical support manual (Appendix A). Technical Report 582.A. Southern California Coastal Water Research Project. Costa Mesa, CA.

Bay, S.M., D.J. Greenstein, J.A. Ranasinghe, D.W. Diehl, A.E. Fetscher. 2009. Sediment quality assessment draft technical support manual (Appendix B). Technical Report 582.B. Southern California Coastal Water Research Project. Costa Mesa, CA.

Bay, S.M., D.J. Greenstein, J.A. Ranasinghe, D.W. Diehl, A.E. Fetscher. 2009. Sediment quality assessment draft technical support manual (Appendix C). Technical Report 582.C. Southern California Coastal Water Research Project. Costa Mesa, CA.

Bay, S.M., D.J. Greenstein, J.A. Ranasinghe, D.W. Diehl, A.E. Fetscher. 2009. Sediment quality assessment draft technical support manual (Appendix D). Technical Report 582.D. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., T. Mikel, D. Cadien, J.E. Kalman, E.T. Jarvis, K.C. Schiff, D.W. Diehl, S.L. Moore, S. Walther, G. Deets, C. Cash, S. Watts, D.J. Pondella II, V. Raco-Rands, C. Thomas, R. Gartman, L. Sabin, W. Power, A.K. Groce, J.L. Armstrong. 2007. Southern California Bight 2003 Regional Monitoring Program: IV. Demersal Fishes and Megabenthic Invertebrates. Technical Report 505. Southern California Coastal Water Research Project. Costa Mesa, CA.

Nezlin, N.P., P.M. DiGiacomo, S.B. Weisberg, D.W. Diehl, J.A. Warrick, M.J. Mengel, B.H. Jones, K.M. Reifel, S.C. Johnson, J.C. Ohlmann, L. Washburn, E.J. Terrill. 2007. Southern California Bight 2003 Regional Monitoring Program: V. Water Quality. Technical Report 528. Southern California Coastal Water Research Project. Costa Mesa, CA.

Peng, J., K.A. Maruya, K.C. Schiff, D. Tsukada, D.W. Diehl, W. Lao, J. Gan, E. Zeng. 2007. Organochlorine pesticides and other trace organic contaminants in the Upper Newport Bay watershed. Technical Report 512. Southern California Coastal Water Research Project. Costa Mesa, CA.

Schiff, K.C., J.S. Brown, D.W. Diehl. 2006. Extent and magnitude of copper contamination in marinas of the San Diego region, CA USA. Technical Report 483. Southern California Coastal

Water Research Project. Westminster, CA.

Allen, M.J., D.W. Diehl, E.Y. Zeng. 2004. Bioaccumulation of contaminants in recreational and forage fish in Newport Bay, California in 2000-2002. Technical Report 436. Southern California Coastal Water Research Project. Westminster, CA.

Schiff, K.C., D.W. Diehl, A. Valkirs. 2003. Copper emissions from antifouling paint on recreational vessels. Technical Report 405. Southern California Coastal Water Research Project. Westminster, CA.

Allen, M.J., A.K. Groce, D. Diener, J.S. Brown, S.A. Steinert, G. Deets, J.A. Noblet, S.L. Moore, D.W. Diehl, E.T. Jarvis, V. Raco-Rands, C. Thomas, Y. Ralph, R. Gartman, D. Cadien, S.B. Weisberg, T. Mikel. 2002. Southern California Bight 1998 Regional Monitoring Program: V. Demersal fishes and megabenthic invertebrates. Technical Report 380. Southern California Coastal Water Research Project. Westminster, CA.

Schiff, K.C., S.M. Bay, D.W. Diehl. 2001. Stormwater toxicity in Chollas Creek and San Diego Bay. Technical Report 340. Southern California Coastal Water Research Project. Westminster, CA.

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Stubbs, H.H., D.W. Diehl, G.P. Hershelman. 1987. A van veen grab sampling method. Technical Report 204. Southern California Coastal Water Research Project. Long Beach, CA.

Annual Report Articles

Sabin, L.D., K.A. Maruya, W. Lao, D.W. Diehl, D. Tsukada, K.D. Stolzenbach, K.C. Schiff. 2011. A pilot study of air-water exchange of organochlorine compounds at three coastal estuaries in southern California.

Sabin, L.D., K.A. Maruya, W. Lao, D.W. Diehl, D. Tsukada, K.D. Stolzenbach, K.C. Schiff. 2008. Exchange of polycyclic aromatic hydrocarbons between the atmosphere, water, and sediment in southern California coastal embayments.

Nezlin, N.P., P.M. DiGiacomo, D.W. Diehl, B.H. Jones, S.C. Johnson, M.J. Mengel, K.M. Reifel, J.A. Warrick, M. Wang. 2008. Stormwater plume detection by MODIS imagery in the southern California coastal ocean.

Ritter, K.J., B.H. Jones, S.B. Weisberg, D.W. Diehl. 2006. A two-stage multivariate approach to identifying ocean outfall plumes based on temperature and salinity profiles.

Nezlin, N.P., S.B. Weisberg, D.W. Diehl. 2006. Relative availability of satellite imagery and ship-based sampling for assessment of stormwater runoff plumes in coastal southern California.

Schiff, K.C., J.S. Brown, D.W. Diehl, D.J. Greenstein. 2006. Extent and magnitude of copper contamination in marinas of the San Diego region, California.

Zeng, E.Y., D. Tsukada, D.W. Diehl, J. Peng, K.C. Schiff, J.A. Noblett, K.A. Maruya. 2006. Distribution and mass inventory of total dichlorodiphenyldichloroethylene in the water column of the Southern California Bight.

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Schiff, K.C., S.M. Bay, D.W. Diehl. 2003. Stormwater toxicity in Chollas Creek and San Diego Bay, California.

Santangelo, R.V., D.W. Diehl, S.B. Weisberg. 1999. Spatial characterization of four water column parameters on the Mainland Shelf of southern California in July 1994.

Cross, J.N., V. Raco-Rands, D.W. Diehl. 1985. Fish reproduction around outfalls.