

Valerie Raco-Rands

Research Technician

Administration

Southern California Coastal Water Research Project

Education

Certificate digital media arts, Orange Coast College, Costa Mesa, CA. 2004

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

Professional Experience

Research Technician, Southern California Coastal Water Research Project Authority. Costa Mesa, CA. 1983-present

Assistant Research Technician, Southern California Coastal Water Research Project Authority. El Segundo and Long Beach, CA. 1979-1982

Research Assistant, California State University, Long Beach. Long Beach, CA. 1979-1980

Marine Technician, Marine Biological Consultants. Costa Mesa, CA. 1978-1979

Research Technician, Occidental College. Los Angeles, CA. 1978

Honors and Awards

Dean's Honor List, California State University, Long Beach (1976-1977)

Presidents Honor List, California State University, Long Beach (1977-1978)

Journal Articles

Schiff, K.C., S.B. Weisberg, V. Raco-Rands. 2002. Inventory of ocean monitoring in the Southern California Bight. *Environmental Management* 29:871-876.

Technical Reports

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.

Allen, M.J., E.T. Jarvis, V. Raco-Rands, G. Lyon, J.A. Reyes, D.M. Petschauer. 2008. Extent of fishing and fish consumption by fishers in Ventura and Los Angeles County watersheds in 2005. Technical Report 574. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., E.T. Jarvis, V. Raco-Rands, G. Lyon, J.A. Reyes, D.M. Petschauer. 2008. Extent of fishing and fish consumption by fishers in Ventura and Los Angeles County watersheds in 2005 (Appendix A). Technical Report 574.A. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., E.T. Jarvis, V. Raco-Rands, G. Lyon, J.A. Reyes, D.M. Petschauer. 2008. Extent of fishing and fish consumption by fishers in Ventura and Los Angeles County watersheds in 2005 (Appendix B). Technical Report 574.B. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., E.T. Jarvis, V. Raco-Rands, G. Lyon, J.A. Reyes, D.M. Petschauer. 2008. Extent of fishing and fish consumption by fishers in Ventura and Los Angeles County watersheds in 2005 (Appendix C). Technical Report 574.C. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., E.T. Jarvis, V. Raco-Rands, G. Lyon, J.A. Reyes, D.M. Petschauer. 2008. Extent of fishing and fish consumption by fishers in Ventura and Los Angeles County watersheds in 2005

(Appendix D). Technical Report 574.D. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., E.T. Jarvis, V. Raco-Rands, G. Lyon, J.A. Reyes, D.M. Petschauer. 2008. Extent of fishing and fish consumption by fishers in Ventura and Los Angeles County watersheds in 2005 (Appendix E). Technical Report 574.E. Southern California Coastal Water Research Project. Costa Mesa, CA.

Allen, M.J., E.T. Jarvis, V. Raco-Rands, G. Lyon, J.A. Reyes, D.M. Petschauer. 2008. Extent of fishing and fish consumption by fishers in Ventura and Los Angeles County watersheds in 2005 (Appendix F). Technical Report 574.F. 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.

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.

Allen, M.J., R.W. Smith, V. Raco-Rands. 2001. Development of Bointegrity Indices for Marine Demersal Fish and Megabenthic Invertebrate Assemblages of Southern California. Technical Report 469. Southern California Coastal Water Research Project. Westminster, CA.

Bay, S.M., D.J. Greenstein, V. Raco-Rands, J.W. Anderson. 1989. Responses of marine organisms to wastewater: comparisons between species and effluent types. Technical Report 0239.

Annual Report Articles

Allen, M.J., R.W. Smith, E.T. Jarvis, V. Raco-Rands, B.B. Bernstein, K.T. Herbinson. 2004. Temporal trends in southern California coastal fish populations relative to 30-year trends in oceanic conditions.

Steinberger, A., E.D. Stein, V. Raco-Rands. 2004. Offshore oil platform discharges to the Pacific outer continental shelf along the coast of southern California in 1996 and 2000.

Schiff, K.C., S.B. Weisberg, V. Raco-Rands. 2001. Inventory of ocean monitoring in the Southern

California Bight.

Raco-Rands, V., A.n.d.r.e.a. Steinberger. 2001. Characteristics of effluents from large municipal wastewater treatment facilities in 1997.

Raco-Rands, V.. 1999. Characteristics of effluents from large municipal wastewater treatment facilities in 1996.

Raco-Rands, V.. 1999. Characteristics of effluents from nonpower industrial facilities in 1995.

Raco-Rands, V.. 1997. Characteristics of effluents from large municipal wastewater treatment facilities in 1995.

Raco-Rands, V.. 1997. Characteristics of effluents from power generating stations in 1995.

Raco-Rands, V.. 1997. Characteristics of effluents from small municipal wastewater treatment facilities in 1995.

Raco-Rands, V.. 1996. Characteristics of effluents from large municipal wastewater treatment facilities in 1994.

Raco-Rands, V.. 1996. Characteristics of effluents from power generating stations in 1994.

Raco-Rands, V.. 1996. Characteristics of effluents from small municipal wastewater treatment facilities in 1994.

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

Brown, D.A., E.M. Perkins, K.D. Jenkins, P.S. Oshida, S.M. Bay, J.F. Alfafara, V. Raco-Rands. 1983. Seasonal changes in mussels.