Summary of currently available Nevada USGS authored journal articles and reports on EDCs at Lake Mead

Journal articles, reports, and book chapters since 2012 are in red.
Blue are articles since SNPLMA funds were available

1. Alvarez, D.A., Rosen, M.R., Perkins, S.D, Cranor, W.L, Schroeder, V.L, and Jones-Lepp, T.L, 2012, Bottom sediment as a source of organic contaminants in Lake Mead, Nevada, USA. Chemosphere, 88, 605–611.

2. Bevans, H.E., Goodbred, S.L., Meisner, J.F., Watkins, S.A., Gross, T.S., Denslow, N.D., and Scheob, T., 1996, Synthetic organic compounds and carp endocrinology and histology in Las Vegas Wash and Las Vegas and Callville Bays of Lake Mead, Nevada, 1991 and 1995, U.S. Geological Survey Water Research Investigation Report 96-4266, 12p.

3. Blunt, S.M., Benotti, M.J., Rosen, M.R., Hedlund B., and Moser, 2017a, Reversible Reduction of Estrone to 17β -estradiol by Rhizobium, Sphingopyxis, and Pseudomonas Isolates from the Las Vegas Wash. Journal of Environmental Quality, 46 281–287.

4. Blunt, S.M., Beckett, J.D., Rosen, M.R., Benotti, M.J., Trenholm, R.A., Vanderford, B.J., Hedlund B.P., and Moser, D.P., 2017b, Association between microbial degradation of pharmaceuticals and endocrine-disrupting compounds and microbial communities along a treated wastewater effluent gradient in Lake Mead. Science of the Total Environment. https://doi.org/10.1016/j.scitotenv.2017.10.052

5. Boyd, R.A., and Furlong, E.T., 2002, Human-Health Pharmaceutical Compounds in Lake Mead, Nevada and Arizona, and Las Vegas Wash, Nevada, October 2000–August 2001: U.S. Geological Survey Open-File Report 02-385.

6. Caldwell, T.J. Rosen, M.R., Chandra, S., Acharya, K., Caires, A.M., Davis, C.J., Thaw, M., Webster, D. 2015, Temporal and basin-specific population trends of quagga mussels on soft sediment of a multi-basin reservoir. *In* Wong WH, Gerstenberger SL (eds) Biology and Management of Invasive Quagga and Zebra Mussels in the Western United States, CRC Press

7. Covay, K.J., and Beck, D.A., 2001, Sediment deposition rates and organic compounds in bottom sediment at four sites in Lake Mead, Nevada, U.S. Geological Survey, Open File Report 01-282, 34p.

8. Covay, K.J., and Leiker, T.J., 1998, Synthetic organic compounds in water and bottom sediment from streams, detention basins, and sewage-treatment plant outfalls in Las Vegas Valley, Nevada, 1997: U.S. Geological Survey Open-File Report 98–633, 15 p.

9. Goodbred, S.L., Leiker, T.J., Patiño, R., Jenkins, J.A., Denslow, N.D., Orsak, E., and Rosen, M.R., 2007, Organic chemical concentrations and reproductive biomarkers in common carp (Cyprinus carpio) collected from two areas in Lake Mead, Nevada, May 1999–May 2000: U.S. Geological Survey Data Series 286, 18 p.

10. Goodbred, SL, Patino, R. Torres, L, Echols, KR, Jenkins, JA, Rosen, MR, and Orsak, E, 2015, Are endocrine and reproductive biomarkers altered in contaminant-exposed wild male Largemouth Bass (Micropterus salmoides) of Lake Mead, Nevada/Arizona, USA? General and Comparative Endocrinology: 219: 125–135. http://dx.doi.org/10.1016/j.ygcen.2015.02.015

11. Jenkins, J. 2011. Male Germplasm in Relation to Environmental Conditions: Synoptic Focus on DNA, Chapter 16. In: Cryopreservation in Aquatic Species, 2nd Edition. T. R. Tiersch. and C. C. Green, editors. World Aquaculture Society, Baton Rouge, Louisiana. Pp. 227-239

12. Jenkins, J.A., B.E. Eilts, A.M. Guitreau, C.R. Figiel, R.O. Draugelis-Dale, and T.R. Tiersch. 2011. Sperm quality assessments for endangered razorback suckers *Xyrauchen texanus*. Reproduction, 141:55-65. http://dx.doi.org/10.1530/REP-10-0153

13. Leiker, T.J., Abney, S.R., Goodbred,S.L., and Rosen, M.R., 2009, Identification of methyl triclosan and halogenated analogues in both male common carp (Cyprinus carpio) from Las Vegas Bay and Semipermeable Membrane Devices from Las Vegas Wash, Nevada. Science of the Total Environment, **407**, 2102-2114.

14. Linder, G., Little, E.E. 2009 Competing Risks and the Development of Adaptive Management Plans for Water Resources: Field Reconnaissance Investigation of Risks to Fishes and Other Aquatic Biota Exposed to Endocrine Disrupting Chemicals (EDCs) in Lake Mead, Nevada USA. ASCE Conf. Proc. 342, 567, DOI:10.1061/41036(342)567.

15. Patiño R., Goodbred, S.L., Draugelis-Dale, R., Barry, C.E., Foott, J.S., Wainscott, M.R., Gross, T.S., and Covay, K.J., 2003, Morphometric and histopathological parameters of gonadal development in adult common carp from contaminated and reference sites in Lake Mead, Nevada, Journal Aquatic Animal Health 15:55-68.

16. Patiño, R., Rosen, M.R., Orsak, E., Goodbred, S.L., May, T.W., Alvarez D., Echols, K.R., Wieser, C.M., Ruessler, S., and Torres, L., 2012, Patterns of metal composition and morpho-physiological condition and their association in male common carp across an environmental contaminant gradient in Lake Mead National Recreation Area, Nevada and Arizona, USA. Science of the Total Environment. 416, 215–224.

17. Patiño, R., VanLandeghem, M.M., Orsak, E., Jenkins, J.A., Goodbred, S.L., Echols, KR, Rosen, M.R., and Torres, L., 2015, Novel associations between contaminant body burdens and reproductive condition of male Common Carp along multiple gradients of contaminant exposure in Lake Mead National Recreation Area, USA. General and Comparative Endocrinology: 219: 112–124. http://dx.doi.org/10.1016/j.ygcen.2014.12.013

18. Rosen, M.R., Alvarez, D.A., Goodbred, S.L., Leiker, T.J., & Patiño, R., 2010, Sources and distribution of organic compounds using passive samplers in Lake Mead National Recreation Area, Nevada and Arizona, and their implications for potential effects on aquatic biota Journal of Environmental Quality, 39, S-1161 - S-1172.

19. Rosen, M.R., Goodbred, S.L., Patiño, R., Leiker, T.J., and Orsak E., 2006, Investigations of the effects of synthetic chemicals on the endocrine system of common carp in Lake Mead, Nevada and Arizona, U.S. Geological Survey Fact Sheet 2006-3131, 4 p. Permanent URL: http://pubs.usgs.gov/fs/2006/3131/

20. Rosen M.R. and Van Metre, P.C. 2010, Assessment of multiple sources of anthropogenic and natural chemical inputs to a morphologically complex basin, Lake Mead, USA. Palaeogeography, Palaeoclimatology, Palaeoecology, 294, 30-43.

21. Rosen, M.R., Turner, K., Goodbred, S.L., and Miller, J.M., eds., 2012, A synthesis of aquatic science for management of Lakes Mead and Mohave: U.S. Geological Survey Circular 1381, 168 p. http://pubs.usgs.gov/circ/1381/

22. Umek, J., Chandra, S., Rosen, M.R., Wittmann, M., and Orsak E., 2010, Importance of benthic production to fish populations in Lake Mead prior to the establishment of quagga mussels. Lake and Reservoir Management, 26, 293–305.

23. Wessells, S. and Rosen, M.R. 2013, Lake Mead Clear and Vital, U.S. Geological Survey General Information Product 148, 13 minute DVD, available at: http://www.usgs.gov/blogs/features/usgs_top_story/lake-mead-video-documents-healthy-ecosystem/

24. Wittmann, M.E., Chandra, S., Caires, A., Denton, M., Rosen, M.R., Wong, W.H. Teitjen, T., Turner, K., Roefer, P. and Holdren, C., 2010, Early invasion population structure of quagga mussel and associated benthic invertebrate community composition on soft sediment in a large reservoir, Lake and Reservoir Management, 26, 316–327.