

## 13. REFERENCES

- Abiola, F. A. 1992. Insecticides organochlores et ecotoxicite: Effets de l'endosulfan sur la reproduction de oiseaux et evaluation de son pouvoir inducteur sur la perdrix grise (*Perdix perdix*). Revue Med. Vet. 143:443-450.
- Agency for Toxic Substances and Disease Registry (ATSDR). 1993. 'ToxFAQ®' for Di(ethylhexyl)phthalate. Agency for Toxic Substances and Disease Registry, Atlanta, GA.
- ATSDR. 1997. 'ToxFAQ®' for Hexachlorobenzene. Agency for Toxic Substances and Disease Registry, Atlanta, GA.
- ATSDR. 1998. Aldrin and Dieldrin, 1989. <http://atsdr1.atsdr.cdc.gov:8080/Toxprofiles/phs8801.html>. As accessed in 1998 by Exponent.
- Alexander, G. R. 1977. Food of vertebrate predators in trout waters in north central lower Michigan. Michigan Academ. 10:181 – 195.
- Allen, A. W. 1984. Habitat suitability index models: Mink. US Fish and Wildlife Service. FWS/OBS-82/10.61. Revised. 19 pp.
- Alumot, E., M. Meidler, P. Holstein, and M. Herzberg. 1976. Tolerance and acceptable daily intake of ethylene dichloride in the chicken diet. Food Cosmet. Toxicol. 14:111-114.
- Ambrose, A. M., P. S. Larson, J. F. Borzelleca, and G. R. Hennigar, Jr. 1976. Long-term toxicologic assessment of nickel in rats and dogs. J. Food Sci. Technol. 13:181 -187.
- American Society for Testing and Materials (ASTM). 1993. Standard guide for conducting sediment toxicity tests with freshwater invertebrates. E 1383-93. American Society for Testing and Materials. Philadelphia, PA.
- Anderson, D. W. and J. J. Hickey. 1969. Eggshell changes in certain North American birds. Proc. XVth Int. Ornithol. Cong. P 514-540.
- Anderson, D. W., R. W. Risebrough, L. A. Woods, Jr., L. R. DeWeese, and W. G. Edgecomb. 1975. Brown pelicans: Improved reproduction off the southern California coast. Science 190:806 -808.
- Andrle, R. J. and J. R. Carroll. 1988. Atlas of breeding birds in New York State. Cornell University Press, Ithaca, NY.
- Ankley, G. T., D. M. DiToro, D. J. Hansen, and W. J. Berry. 1996. Technical basis and proposal for deriving sediment quality criteria for metals. Environ. Toxicol. Chem. 15(12):2056-2066.

Anthony, E. L. P. and T. H. Kunz. 1977. Feeding strategies of the little brown bat, *Myotis lucifugus*, in southern New Hampshire. *Ecology* 58:775-86.

Anthony, E. L. P., M. H. Stack, and T. H. Kunz. 1981. Night roosting and the nocturnal time budget of the little brown bat, *Myotis lucifugus*: Effects of reproductive status, prey density, and environmental conditions. *Oecologia* 51:151-56.

Armstrong, F. A. J. 1979. Effects of mercury compounds on fish. In: J. O. Nriagu (Ed.), *The Biogeochemistry of Mercury in the Environment*. pp. 657-670. New York: Elsevier/North-Holland Biomedical Press.

Arrigo, M. A. 1995. Aquatic macrophyte survey of Onondaga Lake, New York. Report for the period June 15 – August 30, 1995. State University of New York, College of Environmental Science and Forestry, Syracuse, NY.

Auer, M. T., M. L. Storey, S. W. Effler, N. A. Auer, and P. Sze. 1990. Zooplankton impacts on chlorophyll and transparency in Onondaga Lake, New York, USA. *Hydrobiol.* 200/201:603-617.

Auer, M. T., S. W. Effler, M. L. Storey, S. D. Connors, P. Sze, C. A. Siegfried, N. A. Auer, J. D. Madsen, R. M. Smart, L. W. Eichler, C. W. Boylen, J. W. Sutherland, J. A. Bloomfield, B. A. Wagner, R. Danehey, N. A. Ringler, C. Gandino, P. Hirethota, P. Tango, M. A. Arrigo, C. Morgan, C. Millard, M. Murphy, R. J. Sloan, S. L. Niehaus, and K. A. Whitehead. 1996a. Biology. pp. 384-535. In: *Limnological and Engineering Analysis of a Polluted Urban Lake: Prelude to Environmental Management of Onondaga Lake, New York*. S.W. Effler (ed). Springer-Verlag, New York, NY.

Auer, M.T., N. A. Johnson, M. R. Penn, and S. W. Effler. 1996b. Pollutant sources, depositional environment, and the surficial sediments of Onondaga Lake, New York. *J. Environ. Qual.* 25:46-55.

Aulerich, R. J., R. K. Ringer, and S. Iwamoto. 1974. Effects of dietary mercury on mink. *Arch. Environ. Contam. Toxicol.* 2(1):43-51.

Aulerich, R.J., R.K. Ringer, M.R. Bleavins, and A. Napolitano. 1982. Effects of supplemental dietary copper on growth, reproductive performance and kit survival of standard dark mink and the acute toxicity of copper to mink. *J. Anim. Sci.* 55(2):337-343.

Azar, A., H.J. Trochimowicz, and M.E. Maxfield. 1973. Review of lead studies in animals carried out at Haskell laboratory-two-year feeding study and response to hemorrhage study. pp. 199-210. In: *Environmental Health Aspects of Lead*. D. Barth, A. Berlin, R. Engel, et al. (eds). Commission of the European Communities, Luxembourg.

Barbour, R.W. and W.H. Davis. 1969. *Myotis lucifugus*. pp. 42-54. In: *Bats of America*. University Press of Kentucky, Lexington, KY.

- Barr, J. 1986. Population dynamics of the common loon (*Gavia immer*) associated with mercury contaminated waters in northwestern Ontario. Canadian Wildlife Service, Ottawa Ontario, Occasional Paper 56.
- Barrett, G.W. and K.L. Stueck. 1976. Caloric ingestion rate and assimilation efficiency of the short-tailed shrew, *Blarina brevicauda*. Ohio J. Sci. 76:25-26.
- Barsotti, D.A., L. Abrahamson, and J. Allen. 1979. Hormonal alterations in female rhesus monkeys fed a diet containing 2,3,7,8 tetrachlorodibenzo-p-dioxin. Bull. Environ. Contam. Toxic. 21(4-5):463-469.
- Belwood, J.J. and M.B. Fenton. 1976. Variation in the diet of *Myotis lucifugus* (Chiroptera: Vespertilionidae). Can. J. Zool. 54:1674-1678.
- Benoit, J. M., C. C. Gilmour, R. P. Mason, and G. S. Riedel. 1998. Behavior of mercury in the Patuxent River estuary. Biochemistry 40: 249.
- Benoit, J. M., C. C. Gilmour, R. P. Mason, and A. Heyes. 1999a. Sulfide controls on mercury speciation and bioavailability to methylating bacteria in sediment pore waters. Environ. Sci. Technol. 33: 951.
- Benoit, J. M., R. P. Mason, and C. C. Gilmour 1999b. Estimation of mercury-sulfide speciation in sediment pore waters using octanol-water partitioning and implications for availability to methylating bacteria. Environ. Toxicol. Chem. 18: 21-38.
- Bent, A.C. 1926. Life histories of North American marsh birds. Smithsonian Institute, US Natural Museum, Bull. 135. US Government Printing Office, Washington, DC.
- Bent, A.C. 1940. Life histories of North American cuckoos, goatsuckers, hummingbirds, and their allies. US Natl. Mus. Bull. 176.
- Berg, C.O. 1963. Middle Atlantic states. pp. 191-237. In: Limnology in North America. D. G. Frey (ed). University of Wisconsin Press, Madison, WI.
- Berry, W. J., D. J. Hansen, J. D. Mahony, D. L. Robson, D. M. DiToro, B. P. Shipley, B. Rogers, J. M. Corbin, and W. S. Boothman. 1996. Predicting the toxicity of metal-spiked laboratory sediments using acid-volatile sulfide and interstitial water normalizations. Environ. Toxicol. Chem. 15(12):2067-2079.
- Bevelhimer, M.S, Beauchamp, J.J., B.E. Sample, and G.R. Sample. 1997. Estimation of whole-fish contaminant concentrations from fish fillet data. Oak Ridge National Laboratory. ES/ER/TM-202.
- Beyer, W.N., E. Conner, and S. Gerould. 1994. Survey of soil ingestion by wildlife. J. Wildl. Manage. 58(2):375-382.

Beyer, W.N., G.H. Heinz, and A. W. Redmon-Norwood. 1996. Environmental Contaminants in Wildlife: Interpreting Tissue Concentrations. CRC Press. Boca Raton, FL.

Birge, W. J., J. A. Black, A. G. Westerman, and J. E. Hudson. 1979. The effects of mercury on reproduction of fish and amphibians. In: J. O. Nriagu (ed.). The Biogeochemistry of Mercury in the Environment. pp. 629-655. New York: Elsevier/North-Holland Biomedical Press. As cited in NOAA (1996).

Bisogni, J. J. and A. W. Lawrence 1975. Kinetics of mercury methylation in aerobic and anaerobic aquatic environments, *J. Water Pollut. Control Fed.* 47: 135.

Blasland & Bouck. 1987. Leachate seep assessment. Blasland & Bouck Engineers, P.C., Syracuse, NY.

Blasland & Bouck. 1989. Hydrogeologic assessment of the Allied waste beds in the Syracuse area. Volume 1 of 2. Prepared for Allied-Signal, Inc., Solvay, NY. Blasland & Bouck Engineers, P.C., Syracuse, NY.

Blasland, Bouck & Lee, Inc. (BBL). 1990. Waste bed feasibility study (Sections 1B4). Prepared for AlliedSignal, Inc., Solvay, NY. Blasland, Bouck & Lee, Inc., Syracuse, NY.

BBL. 1999. Supplemental site investigation report, Wastebeds 9 to 15, Onondaga County, New York. Prepared for AlliedSignal, Inc., Solvay, NY. Blasland, Bouck & Lee, Inc., Syracuse, NY.

Bleavins, M.R. and R.J. Aulerich. 1981. Feed consumption and food passage time in mink (*Mustela vison*) and European ferrets (*Mustela putorius furo*). *Lab. Animal. Science* 31:268-269.

Bleavins, M.R., R.J. Aulerich, and R.K. Ringer. 1980. Polychlorinated biphenyls (Aroclors 1016 and 1242): effects on survival and reproduction in mink and ferrets. *Arch. Environ. Contam. Toxicol.* 9:627-635.

Bleavins, M. R., R. J. Aulerich, and R. K. Ringer. 1984. Effects of chronic dietary hexachlorobenzene exposure on the reproductive performance and survivability of mink and European ferrets. *Arch. Environ. Contam. Toxicol.* 13: 357-365.

Bloom, N. S., G. A. Gill, S. Cappellino, C. Dobbs, L. McShea, C. Driscoll, R. Mason, and J. Rudd. 1999. Speciation and cycling of mercury in Lavaca Bay, Texas, sediments. *Environ. Sci. Technol.* 33: 7.

Bode, R. W., M. A. Novak, and L. E. Abele. 1991. Methods for Rapid Biological Assessment of Streams. Stream Biomonitoring Unit, Bureau of Monitoring and Assessment, Division of Water, NYS Department of Environmental Conservation. Albany, NY.

Bolger, M. 1993. Overview of PCB toxicology. pp. 1-37 to 1-53. In: Proc. US Environmental Protection Agency's National Technical Workshop, PCBs in Fish Tissue. EPA/823-R-93-003. US Environmental Protection Agency, Office of Water, Washington, DC.

Bopp, J. 1999. Curator, New York State Museum, Albany, NY. Personal communication with J. Schaeffer, TAMS Consultants, Inc. January 19, 1999.

Brooks, R.P. and W.J. Davis. 1987. Habitat selection by breeding belted kingfishers (*Ceryle alcyon*). Am. Midl. Nat. 117:63-70.

Brown, L. and D. Amadon. 1968. Eagles, hawks, and falcons of the world. Volume 1. McGraw-Hill, New York, NY.

Brunstrom, B., D. Broman, and C. Naf. 1990. Embryotoxicity of polycyclic aromatic hydrocarbons (PAHs) in three domestic avian species, and of PAHs and coplanar polychlorinated biphenyls in the common eider. Environmental Pollution. 67:133-143.

Buben, J.A. and E.J. O'Flaherty. 1985. Delineation of the role of metabolism in the hepatotoxicity of trichloroethylene and perchloroethylene: A dose-effect study. Toxicol. Appl. Pharmacol. 78:105-122.

Buchler, E. R. 1976. Food transit time in *Myotis lucifugus* (Chiroptera: Vespertilionidae). Journal of Mammalogy. 56:252-255.

Buckner, C.H. 1964. Metabolism, food capacity, and feeding behaviour in four species of shrews. Can. J. Zool. 42:259-279. As cited in Sample and Suter, 1974.

Bull, J. L. 1998. Bull's Birds of New York State. Comstock Publishing Associates, Cornell University Press. Ithaca, New York. 622 pp.

Cain, B. W. and E. A. Pafford. 1981. Effects of dietary nickel on survival and growth of mallard ducklings. Arch. Environ. Contam. Toxicol. 10:737-745.

Calder, III, W.A. and E.J. Braun. 1983. Scaling of osmotic regulation in mammals and birds. Am. J. Physiol. 244:R601-R606.

California Environmental Protection Agency (CAL/EPA). 2002. Web site: [http://www.oehha.org/cal\\_ecotox/speciestox\\_reports.htm](http://www.oehha.org/cal_ecotox/speciestox_reports.htm). Accessed August.

Canadian Council of Ministers of the Environment (CCME). 1995. Protocol for the derivation of Canadian sediment quality guidelines for the protection of aquatic life. Prepared by the Technical Secretariat of the CCME Task Group on Water Quality Guidelines, Ottawa, Canada.

Canale, R. P., E. M. Owens, M. T. Auer, and S. W. Effler. 1995. Validation of water quality models for Seneca River, NY. J. Water Resour. Plan Manag 121: 241-250.

Canale, R. P., E. M. Owens, M. T. Auer, and S. W. Effler. 1996. Water quality model for the Seneca and Oswego rivers. pp. 723–742. In: Limnological and Engineering Analysis of a Polluted Urban Lake, Prelude to Environmental Management of Onondaga Lake, New York. S.W. Effler (ed). Springer-Verlag, New York, NY.

Canfield, D.E., Jr., K. Langeland, S.B. Linda, and W.T. Haller. 1985. Relations between water transparency and maximum depth of macrophyte colonization in lakes. Jour. Aquatic Plant Management 23:25-28.

Carriere, D., K. Fischer, D. Peakall, and P. Angerhrn. 1986. Effects of dietary aluminum in combination with reduced calcium and phosphorus on the ring dove (*Streptopelia risoria*). Water Air Soil Pollut. 30:757-764.

Chambers, P.A. and J. Kalff. 1985. Depth distribution and biomass of submersed aquatic macrophyte communities in relation to Secchi depth. Can. Jour. Fish. Aquatic Sciences. 42:701-709.

Charbonneau, S.M., I. Munro, and E. Nera. 1976. Chronic toxicity of methylmercury in the adult cat. Toxicology 5:337-340.

Chiotti, T. L. 1981. Onondaga Lake survey report 1980 and 1981. New York State Department of Environmental Conservation, Cortland, NY.

Chu, I., D. C. Villeneuve, V. Valli, V. Secours, and G. Becking. 1981. Chronic toxicity of photomirex in the rat. Toxicol. Appl. Pharmacol. 59:268-278.

Chura, N. J. 1961. Food availability and preference of juvenile mallards. Trans. N. Am. Wildl. Nat. Resource Conf. 26:121-134. As cited in USEPA, 1993b.

Chvojka, R. 1988. Mercury and selenium in axial white muscle of yellowtail kingfish from Sydney, Australia. Mar. Pollut. Bull. 19:210-213. As cited in Eisler, 2000.

Clark, L. New York State Department of Environmental Conservation. 2000. Personal communication by telephone with M. Moese, TAMS Consultants, Inc. December 4 and 5.

Cleland, G.B., P.J. McElroy, and R.A. Sonstegard. 1988. The effect of dietary exposure to Aroclor 1254 and/or Mirex on humoral immune expression of rainbow trout (*Salmo gairdneri*). Aquat. Toxicol. 2:141-146.

Conant, R. and J. Collins. 1998. Peterson Field Guides: Reptiles and Amphibians, Eastern/ Central North America. Houghton Mifflin Company, New York.

Connell, D. W. and G. J. Miller. 1984. Chemistry and Ecotoxicity of Pollution. John Wiley & Sons, Inc.

Cornell University. 2001. Christmas Bird Count (CBC) Species Counts for Syracuse, New York (NYSY) for Counts 1991 – 2000. Web site: <http://birdsource.tc.cornell.edu>. Accessed December 21.

Cote, M., I. Chu, D. C. Villeneuve, V. E. Secour, and V. E. Valli. 1988. Trichlorobenzenes: Results of a thirteen week feeding study in the rat. *Drug Chem. Toxicol.* 11(1):11-28.

Coyle, J.J., D.R. Buckler, C.G. Ingersoll, J.F. Fairchild, and T.W. May. 1993. Effects of dietary selenium on reproductive success of bluegills (*Lepomis macrochirus*). *Envir. Toxicol. Chem.* 12:551-565.

CSDE. 1948. Pollution survey of Onondaga Lake and tributaries. City of Syracuse, Department of Engineering, Syracuse, NY.

Cumbie, P. M. and S. L. Van Horn. 1978. Selenium accumulation associated with fish mortality and reproductive failure. *Proc. Ann. Conf. Southeastern Assoc. Fish Wildl. Agencies* 32:612-624. As cited in Lemly, 1997.

Dahlgren, R.B., R.L. Linder, and C.W. Carlson. 1972. Polychlorinated biphenyls: Their effects on penned pheasants. *Environ. Health Perspect.* 1:89-101.

Damron, B.L. and H.R. Wilson. 1975. Lead toxicity of bobwhite quail. *Bull. Environ. Contam. Toxicol.* 14:489-496.

Daugherty, M. L. 1992. Toxicity summary for chromium. Oak Ridge National Laboratory Environmental Restoration Program, Risk Assessment Information System September 1992. Accessed July 2002.

Davis, W.H. and H.B. Hitchcock. 1965. Biology and migration of the bat, *Myotis lucifugus*, in New England. *J. Mammal.* 46(2):296-313.

Davis, W.J. 1982. Territory size in *Megacyrle alcyon* along a stream habitat. *Auk* 99:353-362.

Dean, W.E. and J.R. Eggleston. 1984. Freshwater oncolites created by industrial pollution, Onondaga Lake, NY. *Sediment. Geol.* 40(4):217-232.

Defoe, D.L., G.D. Veith, and R.W. Carlson. 1978. Effects of Aroclor 1248 and 1260 on the fathead minnow (*Pimephales promelas*). *J. Fish. Res. Bd. Can.* 35:997-1002.

Delzell, E., J. Giesy, I. Munro, J. Doull, D. Mackay, and G. Williams. 1994. Interpretive review of the potential adverse effects of chlorinated organic chemicals on human health and the environment. *Regulat. Toxicol. Pharmacol.* 20(1).

Dikshith, T. S .S., R. B. Raizada, M. K. Srivastava, and B. S. Kaphalia. 1984. Response of rats to repeated oral administration of endosulfan. *Ind. Health* 22:295-304.

DiToro, D. M., J. D. Mahony, D. J. Hansen, K. J. Scott, M. B. Hicks, S. M. Mayr, and M. S. Redmond. 1990. Toxicity of cadmium in sediments: the role of acid volatile sulfide. *Environ. Toxicol. Chem.* 3:1487-1502.

DiToro, D. M. J. D. Mahony, D. J. Hansen, K. J. Scott, A. R. Carlson, and G. T. Ankley. 1992. Acid volatile sulfide predicts the acute toxicity of cadmium and nickel in sediments. *Environ. Sci. Technol.* 26:96-101.

Doe, K. G., W. R. Parker, S. J. Ponsford, J. D. A. Vaughan. 1987. The acute and chronic toxicity of antimony to *Daphnia magna* and rainbow trout. In: Lakshminarayana, JSS, editor. *Tech. Rep. Fish. Aquat. Sci.* 1575, 13<sup>th</sup> Annual Aquatic Toxicity Workshop Proceedings: 1986 Nov 12-14. Moncton New Brunswick, Canada. p. 40-43. As cited in Jarvinen and Ankley.

Domingo, J.L., J.L. Paternain, J.M. Llobet, and J. Corbella. 1986. Effects of vanadium on reproduction, gestation, parturition and lactation in rats upon oral administration. *Life Sci.* 39:819-824.

Dourson, M.L., and J.F. Stara. 1983. Regulatory history and experimental support of uncertainty (safety) factors. *Regulatory Toxicology and Pharmacology* 3:224-238.

Doutt, J.K., C.A., Heppenstall, and J.E. Guilday. 1977. *Mammals of Pennsylvania*. The Pennsylvania Game Commission. Harrisburg, PA. 285 pp.

Dowd, E.M. and L.D. Flake. 1985. Foraging habitats and movements of nesting great blue herons in a prairie river ecosystem, South Dakota. *J. Field Ornithol.* 56(4):379-387.

Ducey, P.K. 1997. Wetland-lake connections and amphibian communities of the Onondaga Lake ecosystem. State University of New York at Cortland, Department of Biological Sciences, Cortland, NY.

Ducey, P. K. and W. Newman 1995. Final report for the preliminary survey of reptiles and amphibians of the Onondaga Lake ecosystem, 1994. State University of New York at Cortland, Department of Biological Sciences, Cortland, NY.

Ducey, P. K., W. Newman, K. Cameron, and M. Messere. 1998. Herpetofauna of the highly-polluted Onondaga Lake ecosystem, Onondaga County, New York. *Herpetological Review* 29:118-119.

Ducey, P. A., J. Sternfled, and K. A. Douglass. 2000. Amphibian distributions within the Onondaga Lake ecosystem: field and laboratory investigations. Presentation at Second Annual Onondaga Lake Scientific Forum, Syracuse, NY, November 20.

Duffy, M. A., L. J. Perry, C. Kearns, and L. J. Weider. 2000. Paleogenetic evidence for a past invasion of Onondaga Lake, New York, by exotic *Daphnia curvirostris* using mtDNA from dormant eggs. Limnol. Oceanogr. 45(6): 1409-1414.

Dunning, Jr., J. B. (ed). 1993. CRC handbook of avian body masses. CRC Press, Boca Raton, FL.

Dwyer, T. J., G. L. Krapu, and D. M. Janke. 1979. Use of prairie pothole habitat by breeding mallards. J. Wildl. Manage. 43:526-531. As cited in USEPA, 1993b.

Eagle, T. C. and J. S. Whitman. 1987. Mink. pp. 615-624. In: Wild Furbearer Management and Conservation. M. Novak, J.A. Baker, and M.E. Obbarel, et al. (eds). University of Pittsburgh Press, Pittsburgh, PA.

Eastern Research Group (ERG). 1998. Report from the workshop on the application of 2,3,7,8-TCDD toxicity equivalency factors to fish and wildlife. Submitted to US Environmental Protection Agency, Risk Assessment Forum, Washington, DC. Eastern Research Group, Lexington, MA.

Eckert, A. W. and K. E. Karalus. 1983. The wading birds of North America: North of Mexico. Weather vane Books, New York, NY. 226 pp.

Edens, F. W., E. Benton, S. J. Bursian, and G. W. Morgan. 1976. Effect of dietary lead on reproductive performance in Japanese quail, *Coturnix coturnix japonica*. Toxicol. Appl. Pharmacol. 38:307-314.

Effler, S. W. 1975. A study of the recent paleolimnology of Onondaga Lake. Dissertation. Syracuse University, Department of Civil Engineering, Syracuse, NY.

Effler, S. W., M. G. Perkins, and C. Brooks. 1986. The oxygen resources of the hypolimnion of ionically enriched Onondaga Lake, NY, USA. Water Air Soil Pollut. 29:93-108.

Effler, S. W. and G. Harnett. 1996. Chapter 1. Background. pp. 1-31. In: Limnological and Engineering Analysis of a Polluted Urban Lake, Prelude to Environmental Management of Onondaga Lake, New York. S.W. Effler (ed). Springer-Verlag, New York, NY.

Effler, S. W. and M. Perkins. 1996a. An optics model for Onondaga Lake. Lake Reserv. Manage. 12:115-125.

Effler, S. W. and M. G. Perkins. 1996b. Optics. pp. 535-599. In: Limnological and Engineering Analysis of a Polluted Urban Lake: Prelude to Environmental Management of Onondaga Lake, New York. S.W. Effler (ed.) Springer-Verlag, New York, NY.

Effler, S. W. and K. A. Whitehead. 1996. Tributaries and Discharges. pp. 97-199. In: Limnological and Engineering Analysis of a Polluted Urban Lake: Prelude to Environmental Management of Onondaga Lake, New York. S.W. Effler (ed.). Springer-Verlag, New York, NY.

Effler, S.W., C.T. Driscoll, S.M. Doerr, C.M. Brooks, M.T. Auer, B.A. Wagner, J. Addess, W. Wang, D.L. Johnson, J. Jiao, and S.G. Dos Santos. 1996. Chemistry. pp. 263-383. In: Limnological and Engineering Analysis of a Polluted Urban Lake: Prelude to Environmental Management of Onondaga Lake, New York. S.W. Effler (ed.) Springer-Verlag. New York, NY.

Efroymson, R. A., M. E. Will, G. W. Suter II, and A. C. Wooten. 1997a. Toxicological Benchmarks for Screening Contaminants of Potential Concern for Effects on Terrestrial Plants: 1997 Revision. Prepared for the US Department of Energy, Office of Environmental Management. Oak Ridge National Laboratory, Oak Ridge, TN.

Efroymson, R. A., M. E Will, and G. W. Suter II. 1997b. Toxicological Benchmarks for Contaminants of Potential Concern for Effects on Soil and Litter Invertebrates and Heterotrophic Process: 1997 Revision. Prepared for the US Department of Energy, Office of Environmental Management. Oak Ridge National Laboratory, Oak Ridge, TN.

Eisler, R. 1985. Selenium hazards to fish, wildlife, and invertebrates: a synoptic review. Contaminant Hazards Review Report No. 5. US Department of the Interior, Fish and Wildlife Service, Laurel, MD.

Eisler, R. 1987a. Mercury hazards to fish, wildlife, and invertebrates: a synoptic review. Contaminant Hazards Review Report No. 10. US Department of the Interior, Fish and Wildlife Service, Laurel, MD.

Eisler, R. 1987b. Polycyclic aromatic hydrocarbon hazards to fish, wildlife, and invertebrates: a synoptic review. Biological Report. No. 11. US Department of the Interior, Fish and Wildlife Service, Laurel, MD.

Eisler, R. 1988a. Arsenic Hazards to Fish, Wildlife and Invertebrates: A Synoptic Review. Biological Report 85 (1.12) United States Fish and Wildlife Service. 92p.

Eisler, R. 1988b. Lead Hazards to Fish, Wildlife and Invertebrates: A Synoptic Review. Biological Report 85 (1.14) United States Fish and Wildlife Service. 134p.

Eisler, R. and A.A. Belisle. 1996. Planer PCB hazards to fish, wildlife, and invertebrates: A synoptic review. United States Department of the Interior, National Biological Service Biological Report/Contaminant Hazard Report 31.

Eisler, R. 2000. Chapter 5. Mercury. Handbook of Chemical Risk Assessment: Health Hazards to Humans, Plants, and Animals. Volume 1. Metals. Lewis Publishers, Boca Raton, FL.

Environment Canada. 2000. Bats. Canadian Wildlife Service, Hinterland Who's Who. Web site: <http://www.cws-scf.ec.gc.ca/hww-fap7bats/bats.htm>. Accessed July 2002.

Environment Canada. 2001. Reptile and amphibian toxicity literature. Web site: [http://www.cws-scf.ec.gc.ca/nwrc/ratl/about\\_e.htm](http://www.cws-scf.ec.gc.ca/nwrc/ratl/about_e.htm). Accessed July 2002.

Environment Canada. 2002. Canadian Wildlife Service, Hinterland's Who's Who. [http://www.cws-scf.ec.gc.ca/hww-fap/index\\_e.cfm](http://www.cws-scf.ec.gc.ca/hww-fap/index_e.cfm). Accessed July 2002.

Erickson, D. W. and C. R. McCullough. 1987. Fates of translocated river otters in Missouri. *Wildlife Soc. Bull.* 15:511-517.

Erlinge, S. 1967. Home range of the otter (*Lutra lutra*) in southern Sweden. *Oikos*, 18, 379-97. Cited in Nowak, R.M. 1997. Walker's Mammals of the World. Online Version 5.1. The Johns Hopkins Press. Baltimore, Maryland.

Erlinge, S. 1968. Territoriality of the otter (*Lutra lutra*). *Oikos*, 19, 81-98. Cited in Nowak, R.M. 1997. Walker's Mammals of the World. Online Version 5.1. The Johns Hopkins Press. Baltimore, Maryland.

Exponent. 2000. Onondaga Lake RI/FS Supplemental Data Phase 2 Work Plan. Prepared for Honeywell, East Syracuse, NY. Exponent, Bellevue, WA.

Exponent. 2001a. Onondaga Lake Remedial Investigation/Feasibility Study. Revised Draft Human Health Risk Assessment. Prepared for Honeywell, East Syracuse, NY. Exponent, Bellevue, WA.

Exponent. 2001b. Onondaga Lake Remedial Investigation/Feasibility Study. Revised Draft Baseline Ecological Risk Assessment. Prepared for Honeywell, East Syracuse, NY. Exponent, Bellevue, WA.

Exponent. 2001c. Onondaga Lake Remedial Investigation/Feasibility Study. Revised Draft Remedial Investigation Report. Prepared for Honeywell, East Syracuse, NY. Exponent, Bellevue, WA.

Exponent. 2001d. Geddes Brook/Ninemile Creek Remedial Investigation/Feasibility Study, Draft Human Health Risk Assessment. Prepared for Honeywell, East Syracuse, NY. Exponent, Bellevue, WA. November.

Exponent. 2001e. Geddes Brook/Ninemile Creek Remedial Investigation/Feasibility Study, Baseline Ecological Risk Assessment. Prepared for Honeywell, East Syracuse, NY. Exponent, Bellevue, WA. November.

Exponent. 2001f. Geddes Brook/Ninemile Creek Remedial Investigation/Feasibility Study, Remedial Investigation Report. Prepared for Honeywell, East Syracuse, NY. Exponent, Bellevue, WA. November.

Fagerstrom, T. and A. Jernelov. 1971. Formation of methylmercury from pure mercuric sulfide in aerobic organic sediment, *Water Res.* 5: 121.

Feron, V. J., C. F. M. Hendrickson, A. J. Speek, H. P. Til, and B. J. Spit. 1981. Lifespan oral toxicity study of vinyl chloride in rats. *Food Cosmet. Toxicol.* 19:317-333.

Fisher, J. P., J. M. Spitsbergen, B. Bush, and B. Jahan-Parwar. 1994. Effect of embryonic PCB exposure on hatching success, survival, growth, and developmental behavior in land-locked Atlantic salmon, *Salmo salar*. In: Environmental Toxicology and Risk Assessment: Second Volume, ASTM STP 1216. J. W. Gorsuch, F.J. Dwyer, C.G. Ingersoll, and T.W. LaPoint (eds). American Society for Testing and Materials, Philadelphia, PA.

Fitzhugh, O.G. 1948. Use of DDT insecticides on food products. *Ind. Engin. Chem.* 40(4):704-705.

Fleming, W.J., M.A.R. McLane, and E. Cromartie. 1982. Endrin decreases screech owl productivity. *J. Wildl. Manage.* 46(2):462-468.

Food Agriculture Organization (FAO)/World Health Organization (WHO). 1978. Evaluations of some pesticides in food. *Food and Agric. Org. Plant Production and Protection Paper. Suppl 10.* Rome.

Formigli, L., R. Scelsi, P. Poggi, C. Gregotti, A. DiNucci, E. Sabbioni, L. Gottardi, and L. Manzo. 1986. Thallium-induced testicular toxicity in the rat. *Environ. Res.* 40:531-539.

Friedmann, A. S., M. C. Watzin, T. Brinck-Johnsen, and J. C. Leiter. 1996. Low levels of dietary methylmercury inhibit growth and gonadal development in juvenile walleye (*Stizostedion vitreum*). *Aquat. Toxicol.* 35: 265-278.

Gandino, C. J. 1996. Community structure and population characteristics of fishes in a recovering New York lake. Thesis. State University of New York, College of Environmental Science and Forestry, Syracuse, NY.

Garofalo, J. E. and S. W. Effler. 1987. Coating of zooplankton with calcium in Onondaga Lake, NY. *Env. Sci. Tech.* 21:604-606.

Gerrell, R. 1970. Home range and movements of the mink *Mustela vison* Schreber in southern Sweden. *Oikos* 20:451-460.

George, S. B., J. R. Choate, and H. H. Genoways. 1986. *Blarina brevicauda*. American Society of Mammalogists, Mammalian Species 261. As cited in USEPA 1993b.

Giesy, J., J. Ludwig, and D. Tillett. 1994. Dioxins, Dibenzofurans, PCBs and similar chlorinated diaromatic hydrocarbons in and their effects on birds: Wildlife biomonitoring for hazards of complex environmental mixtures in Laurentian Great Lakes. In: Dioxins and Health. A. Schecter (ed). Plenum Press. New York.

Gilbert, R. O. 1987. Statistical Methods for Environmental Pollution Monitoring. Van Nostrand Reinhold. New York.

Gilbert, F. F. and E. G. Nancekivell. 1982. Food habits of mink (*Mustela vison*) and otter (*Lutra canadensis*) in Northeastern Alberta. Canadian Journal of Zoology 60:1283-1288.

Gilderhus, P.A. 1966. Some effects of sublethal concentrations of sodium arsenite on bluegills and the aquatic environment. Trans. Am. Fish. Soc. 95:289-296.

Gillespie, D. C. 1972. Mobilization of mercury from sediments into guppies, J. Fish. Res. Board Can. 29: 1035.

Gillespie, R.B. and P.C. Baumann. 1986. Effects of high tissue concentrations on reproduction by bluegills. Trans. Am. Fish. Soc. 115:208-213.

Gilmour, C. C., G. S. Riedel, M. C. Ederlington, J. T. Bell, J. M. Beniot, G. A. Gill, and M. C. Stordal. 1998. Methylmercury concentrations and production rates across a trophic gradient in the Northern Everglades. Biogeochemistry, 40:326-346.

Gognon, C., E. Pelletier, and A. Mucci 1997. Behaviour of anthropogenic mercury in coastal marine sediments. Marine Chem. 59: 159.

Gradient and Parsons. 1997. Remedial investigation report, LCP Bridge Street Facility, Solvay, New York. Volumes I to V. Prepared for AlliedSignal, Inc., Solvay, NY. Gradient Corporation, Cambridge, MA, and Parsons Engineering-Science, Liverpool, NY. (Document rewritten by NYSDEC. See NYSDEC/TAMS, 1998a.)

Grant, D. L., W. E. F. Phillips, and G. V. Hatina. 1977. Effect of hexachlorobenzene on reproduction in the rat. Arch. Environ. Contam. Toxicol. 5(2):207-216.

Gray, Jr., L. E., J. S. Ostby, J. M. Ferrell, E. R. Sigmon, and J. M. Goldman. 1988. Methoxychlor induces estrogen-like alterations of behavior and the reproductive tract in the female rat and hamster: Effects on sex behavior, running wheel activity, and uterine morphology. Toxicol. Appl. Pharmacol. 96:525-540.

Greeley, J. R. 1927. Fishes of the Oswego watershed. pp. 84-107 In: A Biological Survey of the Oswego River System. 17th Ann. Rept. Supp. New York State Conservation Department.

Grieb, T.M., C.T. Driscoll, S.P. Gloss, C.L. Schofield, G.L. Bowie, and D.B. Porcella. 1990. Factors affecting mercury accumulation in fish in upper Michigan peninsula. Environ. Toxicol. Chem. 9:919-930. As cited in Eisler, 2000.

Griffin, D.R. 1945. Travels of banded cave bats. Jour. of Mammal. 26:15-23.

Guilday, J.E. 1957. Individual and geographic variation in *Blarina brevicauda* from Pennsylvania. Ann. Carnegie Mus. 35:41-68. As cited in USEPA, 1993b.

Gutleb, A.C., J. Appelman, M.C. Bronkhorst, J.H.J. van den Berg, A. Spenkelink, A. Brouwer, and A.J. Murk. 1999. Delayed effects of pre- and early-life time exposure to polychlorinated biphenyls on tadpoles of two amphibian species (*Xenopus laevis* and *Rana temporaria*). Environ. Toxicol. and Pharm. 8:1-14.

Hairston, N. G., Jr., L.J. Perry, A.J. Bohonak, M. Q. Fellows, C. M. Kearns, and D.R. Engstrom. 1999. Population biology of a failed invasion: Paleolimnology of *Daphnia exilis* in upstate New York. Limnol. Oceanogr. 44(3): 477-486.

Hamilton, W. J. 1940. The summer food of minks and raccoons on the Montezuma Marsh, New York. J. Wildl. Manage. 4(1):80-84.

Hamilton, W. J., Jr. 1961. Late fall, winter and early spring foods of 141 otters from New York. New York. NY Fish Game J. 8:106-109.

Hansen, D. J., S. C. Schimmel, and J. Forester. 1974. Aroclor 1254 in eggs of sheepshead minnows: effects on fertilization success and survival of embryos and fry. Proceedings of Southeastern Game Fish Commission.

Harr, J. R., R. R. Claeys, J. F. Bone, and T. W. McCordle. 1970. Dieldrin toxicosis: rat reproduction. Am. J. Vet. Res. 31:181-189.

Haseltine, S. D., L. Sileo, D. J. Hoffman, and B. D. Mulhern. 1985. Effects of chromium on reproduction and growth in black ducks. As cited in Sample et al., 1996.

Hattula, M., V. Wasenius, R. Krees, A. Arstila, and M. Kihlstrom. 1981. Acute and short-term toxicity of 2,3,4,6-tetrachlorophenol in rats. Bull. Environ. Contam. Toxicol. 26:795-800.

Heinz, G. 1974. Effects of low dietary levels of methylmercury on mallard reproduction. Bull. Environ. Contam. Toxicol. 11(4):386-392.

Heinz, G. 1976a. Methylmercury: second-year feeding effects on mallard reproduction and duckling behavior. J. Wildl. Manage. 40:82-90.

Heinz, G. 1976b. Methylmercury: second-generation reproductive and behavioral effects on mallard ducks. *J. Wildl. Manage.* 40(4):710-715.

Heinz, G. H. 1979. Methylmercury: Reproductive and behavioral effects on three generations of mallard ducks. *J. Wildl. Manage.* 43(2):394-401.

Heinz, G. H., D. J. Hofman, and L. G. Gold. 1989. Impaired reproduction of mallards fed an organic form of selenium. *J. Wildl. Manage.* 53(2):418-426.

Heitmeyer, M.E. 1988. Protein costs of the prebasic molt of female mallards. *Condor* 90:263-266. As cited in USEPA, 1993b.

Hill, E.F. and C.S. Shaffner. 1976. Sexual maturation and productivity of Japanese quail fed graded concentrations of mercuric chloride. *Poult. Sci.* 55:1449-1459.

Hilton, J.W. and W.J. Bettger. 1988. Dietary vanadium toxicity in juvenile rainbow trout: a preliminary study. *Aquat. Toxicol.* 12:63-72.

Hoffman, J. 1999. Species Spotlight: Little Brown Bat. INHS Reports November-December 1999. <http://www.inhs.uiuc.edu/chf/pub/surveypreprints/nov-dec99/lbbat.htm>.

Hollingsworth, R.L., V.K. Rowe, F. Oyen, H.R. Hoyle, and H.C. Spencer. 1956. Toxicity of paradichlorobenzene determination on experimental animals and human subjects. *A.M.A. Arch. Ind. Health* 14:138-147.

Hornshaw, T. C., R. J. Aulerich, and R. K. Ringer. 1986. Toxicity of o-Cresol to mink and European ferrets. *Environ. Toxicol.* 5: 713-720.

Hough, J.L., M.B. Baird, G.T. Sfeir, C.S. Pacini, D. Darrow, and C. Wheelock. 1993. Benzo(a)pyrene enhances atherosclerosis in white carneau and show racer pigeons. *Arterioscler Thromb.* 13:1721-1727.

Howard, D. and R. Evans. 1993. Acid-Volatile Sulfide (AVS) in a Seasonally Anoxic Mesotrophic Lake: Seasonal and Spatial Changes in Sediment AVS. *Environ. Tox and Chem.* 12: 1051-1057.

Howard, P. H., R. S. Boethling, W. F. Jarvis, W. M. Meylan, and E. M. Michalenko. 1991. *Handbook of Environmental Degradation Rates*. Lewis Publishers, Chelsea, MI.

Huckabee, J.W., J.W. Elwood, and S.G. Hildebrand. 1979. Accumulation of mercury in freshwater biota. Pages 277-302 in J.O. Nriagu (ed.). *The Biogeochemistry of Mercury in the Environment*. Elsevier/North-Holland Biomedical Press, NY. As cited in Eisler, 2000.

Hudson, R. H., R. K. Tucker, and M. A. Haegele. 1984. Handbook of toxicity to wildlife. Second Edition. Resource Publication No. 153. US Fish and Wildlife Service, Washington, DC.

Hutzinger, O., M. Berg, K. Olie, A. Opperhuizen, and S. Safe, 1985. Dioxins and Furans in the Environment Evaluating Toxicological Risk from Different Sources by Multi-criteria Analysis. In: Kamrin, M. A. and P. W. Rodgers (ed.). Dioxins In The Environment; Symposium, East Lansing, Mich., USA, Dec.. 6-9, 1983. VII+328P. Hemisphere Publishing Corporation: New York, NY.

Ingersoll, C. G., P. S. Haverland, E. L. Brunson, T. J. Canfield, F. J. Dwyer, C. E. Henke, and N. E. Kemble. 1996. Calculation and evaluation of sediment effect concentrations for the amphipod *Hyalella azteca* and the midge *Chironomus riparius*. J Great Lakes Res 22:602-623.

Ingersoll, C., D. MacDonald, N. Wang, J. Crane, L. J. Field, P. Haverland, N. Kemble, R. Lindskoog, C. Severn, and D. Smorong. 2000. Prediction of Sediment Toxicity Using Consensus-based Freshwater Sediment Quality Guidelines. EPA 905/R-00/007. June.

International Joint Commission (IJC). 1988. Procedures for the assessment of contaminated sediment problems in the Great Lakes. International Joint Commission, Sediment Subcommittee, Great Lakes Regional Office, Windsor, Ontario.

Isaacs, A., J. Daintith, and E. Martin (eds.). 1999. A Dictionary of Science. Oxford University Press. Oxford, United Kingdom.

Jacobs, L. W. and D. R. Keeney. 1974. Methylation formation in mercury-treated river sediments during in situ equilibration, J. Environ. Qual. 3: 121.

Janes, S.W. 1984. Influences of territory composition and interspecific competition on red-tailed hawk reproductive success. Ecology 65:862-870.

Jansen, R. 1996. Notes on the effects of sub-lethal doses of lindane and aldicarb on the reproduction of common quail. Source: South African Journal of Wildlife Research; 26 (3):88-93.

Jarvinen, A. W. and R.M. Tyo. 1978. Toxicity to fathead minnows of endrin in food and water. Arch. Environm. Contam. Toxicol. 7: 409-421.

Jarvinen, A. W. and G. T. Ankley. 1999. Linkage of Effects to Tissue Residues: Development of a Comprehensive Database for Aquatic Organisms Exposed to Inorganic and Organic Chemicals. SETAC Press, Pensacola, FL.

Johnson, Jr., D., A.L. Mehring, Jr., and H.W. Titus. 1960. Tolerance of chickens for barium. Proc. Soc. Exp. Biol. Med. 104:436-438.

Johnson, N.A. 1989. Surficial sediment characteristics and sediment phosphorus release rates in Onondaga Lake, NY. Thesis. Michigan Technological University, Houghton, MI.

Jones, D.S., G.W. Suter II, and R.N. Hull. 1997. Toxicological benchmarks for screening contaminants of potential concern for effects on sediment-associated biota: 1997 revision. Publication ES/ER/TM-95/R4. Prepared for the US Department of Energy, Office of Environmental Management. Oak Ridge, TN.

Jori, A., D. Calamari, F. Cattabeni, A. Di Domenico, C.L. Galli, E. Galli, A. Ramundo, and V. Silano. 1982. Ecotoxicological profile of p-dichlorobenzene. *Ecotoxicol. Environ. Saf.* 6:413-432.

Kabata-Pendias, A. and H. Pendias. 1992. Trace elements in soil and plants. Second Edition. CRC Press, Boca Raton, FL.

Kantrowitz, I.H. 1970. Ground water resources in the eastern Oswego River basin. New York, Basin Planning Report ORB-2.

Kantrud, H. A. 1990. Sago pondweed (*Potamogeton pectinatus L.*): A literature review. US Fish and Wildlife Service, Fish and Wildlife Resource Publication 176. Jamestown, ND: Northern Prairie Wildlife Research Center Home Page. Web site: <http://www.npwrc.usgs.gov/resource/literatr/pondweed/pondweed.htm> (Version 16JUL97).

Kennedy, Jr., G.L., J.P. Frawley, and J.C. Calandra. 1973. Multigenerational reproductive effects of three pesticides in rats. *Toxicol. Appl. Pharmacol.* 25:589-596.

Khasawinah, A.M. and J.F. Grutsch. 1989. Chlordane: 24-month tumorigenicity and chronic toxicity test in mice. *Reg. Toxicol. Pharmacol.* 10: 244-254.

Kimbrough, R.D. 1985. Laboratory and human studies on polychlorinated biphenyls (PCBs) and related compounds. *Environ. Health Perspect.* 59:99-106.

Kinoshita, F. K. and C. K. Kempf. 1970. Quantitative measurement of hepatic microsomal enzyme induction after dietary intake of chlorinated hydrocarbon insecticides. *Toxicol. Appl. Pharmacol.* 17: 288.

Kirby, R.E., J.H. Riechmann, and L.M. Cowardin. 1985. Home range and habitat use of forest-dwelling mallards in Minnesota. *Wilson Bull.* 97:215-219. As cited in USEPA, 1993b.

Kirkland Bird Club. 2002. Birding observations. Web site: <http://www.borg.com/~svcselem/kirkland/oneidabirds/>. Accessed September.

Knudsen, G. J. and J. B. Hale. 1968. Food habits of otters in the Great Lakes Region. *Journal of Wildlife Management* 32(1): 89-93.

Kociba, R. J., D. Keyes, G. Jersey, J. Ballard, A. Dittenber, J. Quast, C. Wade, C. Humiston, and B. Schwtez. 1977. Results of two-year chronic study with hexachlorobutadiene in rats. Applied Pharmacol. 46:279-303.

Kolehmainen, S.E. 1974. Daily feeding rates of bluegill (*Lepomis macrochirus*) determined by a refined radioisotope method. J. Fish. Res. Bd. Can. 31:67-74.

Krabbenhoft, D.P., J.G. Wiener, W.G. Brumbaugh, M.L. Olson, J.F. DeWild, and T.J. Sabin. 1999. A National Pilot Study of Mercury Contamination of Aquatic Ecosystems along Multiple Gradients. USGS Toxic Substances Hydrology Program. Proceedings of the Technical Meetings. Charleston, SC. Water Res. Invest. Report. 99-4018 B. pp. 147-160.

Krebs, C. J. 1977. Ecology – The Experimental Analysis of Distribution and Abundance (Third Edition). Harper Collins Publishers, Inc. New York, NY.

Krebs, J. R. 1974. Colonial Nesting and Social Feeding as Strategies for Exploiting Food Resources in the Great Blue Heron (*Ardea herodias*). Behaviour (1-2): 99-134.

Kurta, A. 1995. Mammals of the Great Lakes Region. University of Michigan Press, Ann Arbor.

Labuz, A., Honeywell. 2000. Personal communication via letter to T. Larson, New York State Department of Environmental Conservation, regarding Onondaga Lake RI/FS, Former Dredge Spoils Areas. June 29.

Lake, B.G., M.E. Cunningham, and R.J. Price. 1997. Comparison of the hepatic and renal effects of 1,4-dichlorobenzene in the rat and mouse. Fundam. Appl. Toxicol. 39:67-75.

Lamb, IV, J.C., R.E. Chapin, J. Teague, A.D. Lawton, and J.R. Reel. 1987. Reproductive effects of four phthalic acid esters in the mouse. Toxicol. Appl. Pharmacol. 88:255-269.

Lane, R.W., B.L. Riddle, and J.F. Borzelleca. 1982. Effects of 1,2-dichloroethane and 1,1,1-trichloroethane in drinking water on reproduction and development in mice. Toxicol. Appl. Pharmacol. 63:409-421.

Larson, T. J. 1995. Project Manager, New York State Department of Environmental Conservation, Albany, NY. Personal communication via letter to W.O. Shepard, Jr., AlliedSignal, Inc., Solvay, NY, regarding Onondaga Lake Remedial Investigation and Feasibility Study Baseline Ecological Risk Assessment. November 29.

Larson, T. J. 1996. Project Manager, New York State Department of Environmental Conservation, Albany, NY. Personal communication via letter to W.O. Shepard, Jr., AlliedSignal Inc., Solvay, NY, regarding Onondaga Lake Remedial Investigation and Feasibility Study Baseline Ecological Risk Assessment. July 3.

Larson, T. J. 1999a. Project Manager, New York State Department of Environmental Conservation, Albany, NY. Personal communication via letter to A.J. Labuz, AlliedSignal Inc., Solvay, NY, regarding Onondaga Lake Remedial Investigation and Feasibility Study Baseline Ecological Risk Assessment Report (734030). March 15.

Larson, T. J. 1999b. Project Manager, New York State Department of Environmental Conservation, Albany, NY. Personal communication via letter to A.J. Labuz, AlliedSignal Inc., Solvay, NY, to A. Labuz, Allied Signal. Analysis of Onondaga Lake Macroinvertebrate Data. May 27.

Larson, T. J. 1999c. Project Manager, New York State Department of Environmental Conservation, Albany, NY. Personal communication via e-mail to A. Labuz, Honeywell. Proposed Methods and Statistics for Onondaga Lake Benthic Community Analysis. December 21.

Laskey, J. W. and F. W. Edens. 1985. Effects of chronic high-level manganese exposure on male behavior in the Japanese quail (*Coturnix coturnix japonica*). *Poult. Sci.* 579-584.

Laskey, J.W., G.L. Rehnberg, J.F. Hein, and S.D. Carter. 1982. Effects of chronic manganese (Mn<sub>3</sub>O<sub>4</sub>) exposure on selected reproductive parameters in rats. *J. Toxicol. Environ. Health* 9:677-687.

Lauchachinda, V. 1978. Life history of the river otter in Alabama with emphasis on food habits. Ph.D. dissertation. University of Alabama, Auburn, AL. As cited in Wildlife Exposures Factors Handbook, USEPA, 1993 (referenced as USEPA, 1993b in this BERA).

Lechich, A. 1998. Development of bioaccumulation guidance for dredged material evaluations in EPA Region 2. In National Sediment Bioaccumulation Conference pp. 547-560, US Environmental Protection Agency. February.

Lemly, A. D. 1985. Toxicology of selenium in a freshwater reservoir: Implications for environmental hazard evaluation and safety. *Ecotoxicol. Environ. Saf.* 10:314-338.

Lemly, A. D. 1997. Ecosystem recovery following selenium contamination in freshwater reservoir. *Ecotoxicol. Environ. Saf.* 36:275-281.

Levine, E. 1988. Belted kingfisher (*Ceryle alcyon*). pp. 24-25. In: The Atlas of Breeding Birds in New York State. R.F. Andrle and J.R. Carroll (eds). Cornell University Press, Ithaca, NY.

Lincoln, D.F. 1982. Glaciation in the finger-lake region of New York. *Am. J. Sci.* 144(26):290-301.

Linder, R.E., T.B. Gaines, and R.D. Kimbrough. 1974. The effects of polychlorinated biphenyls on rat reproduction. *Food Cosmet. Toxicol.* 12:63-77.

Linscombe, G., N. Kinler, and R. Aulerich. 1982. Mink. pp. 629-643. In: Wild Mammals of North America's Biology, Management, and Economics. J. Chapman and G. Feldhamer (eds). John Hopkins University Press, Baltimore, MD.

Long, E.R. and L.G. Morgan. 1990. The potential for biological effects of sediment-sorbed contaminants tested in the National Status and Trends Program. NOAA Technical Memorandum, NOS OMA 64. National Oceanic and Atmospheric Administration, Seattle, WA.

Long, E.R., D.D. MacDonald, S.L. Smith, and F.D. Calder. 1995. Incidence of adverse biological effects within ranges of chemical concentrations in marine and estuarine sediments. Environmental Management 19:81-97.

Long, E. R., D. D. MacDonald, J. C. Cubbage, and C. G. Ingersoll. 1998. Predicting the toxicity of sediment-associated trace metals with simultaneously extracted trace metal: acid volatile sulfide concentrations and dry weight-normalized concentrations: A critical comparison. Environ Toxicol Chem. 17:972-974.

Ludke, J.L., E.F. Hill, and M.P. Dieter. 1975. Cholinesterase response and related mortality among birds fed cholinesterase inhibitors. Arch. Environ. Contam. Toxicol. 3:1-21.

Lundholm, E., 1987. Thinning of eggshells of birds by DDE: Mode of action on the eggshell gland. Comp. Biochem. Physiol. 88C: 1-22.

MacDonald, D.D. 1994. Approach to the Assessment of Sediment Quality in Florida Coastal Waters. Florida Department of Environmental Protection.

MacDonald, D.D., R.S. Carr, F.D. Calder, E.R. Long, and C.G. Ingersoll. 1996. Development and evaluation of sediment quality guidelines for Florida coastal waters. Ecotoxicology 5:253-278.

MacDonald, D. D., C. G. Ingersoll, and T. Berger. 2000. Development and evaluation of consensus-based sediment quality guidelines for freshwater ecosystems. Arch Environ Contam Toxicol 39:20-31.

Macek, K. J. 1968. Reproduction in brook trout (*Salvelinus fontinalis*) fed sublethal concentrations of DDT. J. Fish. Res. Board Can. 25:1787-1796.

Mackay, D., S. Paterson, and W. Y. Shiu. 1992. Generic models for evaluating the regional fate of chemicals. Chemosphere 24(6):695-717.

Mackenzie, K.M. and D.M. Angevine. 1981. Infertility in mice exposed in utero to benzo[a]pyrene. Biol. Reprod. 24:183-191.

MacKenzie, R. D., R. U. Byerrum, C. F. Decker, C.A. Hoppert, and R.F. Langham. 1958. Chronic toxicity studies. II: Hexavalent and trivalent chromium administered in drinking water to rats. Am. Med. Assoc. Arch. Ind. Health 18:232-234.

Madsen, J.D., R.M. Smart, L.W. Eichler, C.W. Boylen, J.W. Sutherland, and J.A. Bloomfield. 1993. Submersed littoral vegetation distribution: Field quantification and experimental analysis of sediment types from Onondaga Lake, New York. Technical Report A093-14. US Army Corps of Engineers, Waterways Experiment Station, Vicksburg, MS.

Madsen, J.D., J.A. Bloomfield, J.W. Sutherland, L.W. Eichler, and C.W. Boylen. 1996. The aquatic macrophyte community of Onondaga Lake: field survey and plant growth bioassays of lake sediments. Lake Reserv. Manage. 12(1):73-79.

Madsen, J.D., J.W. Sutherland, J.A. Bloomfield, L.W. Eichler, C.W. Boylen, N.H. Ringler, D.L. Smith, C.A. Siegfried, and M.A. Arrigo. 1998. Onondaga Lake littoral zone manipulation to improve fish habitat: Final report to Onondaga Lake Management Conference and USEPA, Region II.

Madsen, J.D. and C.S. Owens. 2000. Factors Contributing to the Spread of Hydrilla in Lakes and Reservoirs. Web site: [www.wes.army.mil/el/aqua/aqtn.html](http://www.wes.army.mil/el/aqua/aqtn.html). Aquatic Plant Control Technical Notes Collection (ERDC TN-APCRP-EA-01), US Army Corps of Engineers Research and Development Center, Vicksburg, MS.

Manzo, L., J. Rade-Edel, and E. Sabbioni. 1983. Environmental Toxicology Research on Thallium: Metabolic and Toxicological Studies in the Rat as Carried Out by Nuclear and Radioanalytical Methods. Government Reports Announcements & Index (GRA&I), Issue 05. As cited in Formigli et al. (1986).

Marks, T. A., T. A. Ledoux, and J. A. Moore. 1982. Teratogenicity of a commercial xylene mixture in the mouse. J. Toxicol. Environ. Health. 9: 97-105.

Marti, C.D. and M.N. Kochert. 1995. Are red-tailed hawks and great horned owls diurnal-nocturnal dietary counterparts? Wilson Bull. 107(49):615-628.

Matthews, D.A., S. W. Effler, C.M. and Matthews. 2000. Ammonia and toxicity criteria in polluted Onondaga Lake, New York. Water Environment Research 72(6): 731-741.

Matthews, D.A., S.W. Effler, C.M. Brooks, C.A. Siegfried, and M.E. Spada. 2001. Responses of Onondaga Lake, New York, to early stages of rehabilitation: unanticipated ecosystem feedbacks. Water Environment Research 73(6):691-703.

McCarty, J.P. and D.W. Winkler. 1999. Foraging ecology and diet selectivity of tree swallows feeding nestlings. Condor. 101:246-254.

McCoy, G, M. F. Finlay, A. Rhone, K. James, and G. P. Cobb. 1995. Chronic polychlorinated biphenyls exposure on three generations of oldfield mice (*Peromyscus polionotus*): effects on reproduction, growth, and body residues. Arch. Environ. Contam. Toxicol. 28: 431-435

McEwen, F.L. and G.R. Stephenson. 1979. The use and significance of pesticides in the environment. John Wiley & Sons, New York, NY.

McFarland, V. 1998. Estimating Bioaccumulation Potential in Dredged Sediment Regulation. In: National Sediment Bioaccumulation Conference Proceedings. USEPA, Office of Water. EPA 823-R-98-002. February.

McGovern, E.C. No date. Background concentrations of 20 elements in soils with special regard to New York State. New York State Department of Environmental Conservation, Wildlife Resources Center, Wildlife Pathology Unit, Delmar, NY.

McLean, P.K. 1991. Feeding ecology of Chesapeake Bay ospreys and growth and behavior of their young. Wilson Bulletin. 103:105-111.

McManus, J.J. and R.J. Esher. 1971. Notes on the biology of the little brown bat, *Myotis lucifugus*, hibernating in New Jersey. Journal Academy of Science 16:19-24.

Mehran, R. National Oceanic and Atmospheric Administration. 2002. Personal communication from R. Mehran, NOAA, via e-mail to C. Merkel, USFWS. October 3.

Mehring. A. L. Jr., J. H. Brumbaugh, A. J. Sutherland, and H. W. Titus. 1960. The tolerance of growing chickens for dietary copper. Poult. Sci. 39:713-719.

Melquist, W. E. and M. G. Hornocker. 1983. Ecology of river otters in west central Idaho. Wildlife Monographs No. 83.

Melquist, W.E. and A.E. Dronkert. 1987. River otter. In : Novak, M., J.A. Baker, M.E. Obbarel, et al., eds. Wild furbearer management and conservation. University of Pittsburgh Press, Pittsburgh, PA.

Melquist, W.E., J.S. Whitman, and M.G. Hornocker. 1981. Resource partitioning and coexistence of sympatric mink and river otter population. pp. 187-220. In: Proc. Worldwide Furbearer Conference: Volume 1. J.A. Chapman, and D. Pursley (eds). Frostburg, MD.

Mendenhall, V.M., E.E. Klaas, and M.A.R. McLane. 1983. Breeding success of barn owls (*Tyto alba*) fed low levels of DDE and dieldrin. Arch. Environ. Contam. Toxicol. 12:235-240.

Meyer, M.A. and S.W. Effler. 1980. Changes in the zooplankton of Onondaga Lake, 1969-1978. Environ. Poll. (Ser. A) 23(2):131-152.

Michelsen, T. and T. Shaw. 1996. Statistical Analysis of Bioassay Results. Washington State Department of Ecology. SMS Technical Information Memorandum. July.

Mitchell, J.L. 1961. Mink movements and populations on a Montana river. *J. Wildl. Manage.* 25:48-54.

Monastery, L. 1995. Personal communication via telephone conversation with D. DiMauro, PTI Environmental Services, Boston, MA. February 24.

Montgomery Watson Harza. 2002. PSA Work Plan – Mathews Avenue Landfill site. Prepared for Honeywell. September.

Murphy, C.B. 1978. Onondaga Lake. pp. 223-365 In: Lakes of Western New York State. J. Bloomfield (ed). Academic Press, New York, NY.

Murray, F.J., F.A. Smith, K.D. Nitschke, C.G. Humiston, R.J. Kociba, and B.A. Schwetz. 1979. Three generation reproduction study of rats given 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in the diet. *Toxicol. Appl. Pharmacol.* 50:241-252.

Nack, S. and W. Cook. 1986. Characterization of spawning and nursery habitats of largemouth bass (*Micropterus salmoides*) in the Stockport component of the Hudson River National Estuarine Research Reserve. In: Polgar Fellowship Reports of the Hudson River National Estuarine Research Reserve Program (Eds: E.A. Blair and J.C. Cooper). New York State Department of Environmental Conservation, the Hudson River Foundation, and the US Department of Commerce.

Nagy, K.A. 1987. Field metabolic rate and food requirement scaling in mammals and birds. *Ecol. Monogr.* 57(2):111-128.

Nation, J.R., A.E. Bourgeois, D.E. Clark, and M.F. Hare. 1983. The effects of chronic cobalt exposure on behavior and metallothionein levels in the adult rat. *Neurobehav. Toxicol. Teratol.* 5:9-15.

National Cancer Institute (NCI). 1980. Bioassay of phenol for possible carcinogenicity. Carcinogenesis Technical Report Series No. 203. NIH Publication No. 80-1759. NTP. 80-15. National Cancer Institute and National Toxicology Program.

National Climatic Data Center (NCDC). 1995. Syracuse Hancock AP Onondaga County, New York USA average rainfall web page. [www.worldclimate.com/cgi-bin/data.pl?ref=N43W076+2200+308383C](http://www.worldclimate.com/cgi-bin/data.pl?ref=N43W076+2200+308383C). As accessed in 1995 by Exponent.

NCDC. 1998. [www.ncdc.noaa.gov](http://www.ncdc.noaa.gov). National Climatic Data Center. As accessed in 1998 by Exponent.

National Coffee Association (NCA). 1982. 24-month chronic toxicity and oncogenicity study of methylene chloride in rats. Final report. Vols. IBI. Report to National Coffee Association by Hazleton Laboratories America, Inc. [unpublished].

National Institute for Occupational Safety and Health (NIOSH). 2002. The Registry of Toxic Effects of Chemical Substances, Manganese (ethylenebis dithiocarbamato). <http://www.cdc.gov/niosh/rtecs/opaae60.html>. Accessed October 31, 2002.

National Oceanic And Atmospheric Administration (NOAA). 1996. Contaminants in Aquatic Habitats at Hazardous Waste Sites: Mercury NOAA Technical Memorandum NOS ORCA 100.

NOAA. 2001. Syracuse, NY, climate data web page. [www.nws.noaa.gov/er/bgm/cli/syrcli.htm](http://www.nws.noaa.gov/er/bgm/cli/syrcli.htm). As accessed in 2001. National Oceanic and Atmospheric Administration, National Weather Service.

NOAA. 2002. Toxicity associated with mercury in tissues ( $\mu\text{g/g}$ ) wet weight. Web site: <http://response.restoration.noaa.gov/cpr/sediemnt/mercury.html>. Accessed September.

National Research Council Canada (NRCC). 1978. Effects of arsenic in the Canadian environment. Publication No. NRCC 15391. 349 pp.

National Toxicology Program (NTP). 1994. NTP technical report on the toxicology and carcinogenesis studies of barium chloride dihydrate (CAS no.10326-27-9) in F344/N rats and B6C3F1 mice (drinking water studies). NTP TR 432. Public Health Service, US Department of Health and Human Services. Research Triangle Park, NC. NIH pub. no. 94-3163. NTIS pub PB94-214178.

Nawrot, P.S., R.O. Cook, and R.E. Staples. 1979. Embryotoxicity and teratogenicity of various noise stimuli in the mouse. *Teratology* 19(1):41A.

Nebeker, A.V., G.S. Schuytema, and S.L. Ott. 1995. Effects of cadmium on growth and bioaccumulation in the northwestern salamander *Ambystoma gracile*.

Neff, J. 1979. Polycyclic Aromatic Hydrocarbons in the Aquatic Environment. Sources, Fates and Biological Effects. Applied Science Publishers.

Nelson, A.L. and A.C. Martin. 1953. Gamebird weights. *J. Wildl. Manage.* 17(1):36-42.

New York Natural Heritage Program (NYNHP). 2001. Letter from N. Conrad, Information Resources Coordinator, NYNHP, to R. Quail, Bureau of Habitat, New York State Department of Environmental Conservation. November 30.

NYNHP. 2002. Letter from N. Conrad, Information Resources Coordinator, NYNHP, to R. Quail, Bureau of Habitat, New York State Department of Environmental Conservation. October 24.

New York State Department of Environmental Conservation (NYSDEC). 1986. Freshwater wetlands classification sheets. Camillus, Brewerton, Baldwinsville, and Syracuse West Quadrangles. New York State Department of Environmental Conservation, Division of Fish and Wildlife, Albany, NY.

NYSDEC. 1987. An overview of mercury contamination in the fish of Onondaga Lake. New York State Department of Environmental Conservation, Technical Report 87-1 (BEP). Division of Fish and Wildlife, Albany, NY.

NYSDEC. 1989. Engineering investigations at inactive hazardous waste sites. Phase II investigation. Volume 1. New York State Department of Environmental Conservation, Division of Hazardous Waste Remediation, Albany, NY.

NYSDEC. 1994a. Fish and wildlife impact analysis for inactive hazardous waste sites (FWIA). New York State Department of Environmental Conservation, Division of Fish and Wildlife, Albany, NY.

NYSDEC. 1994b. Technical guidance for screening contaminated sediments. New York State Department of Environmental Conservation, Division of Fish and Wildlife, Albany, NY.

NYSDEC. 1995. NYSDEC Freshwater Wetlands Delineation Manual. July.

NYSDEC. 1997a. Memorandum from G.A. Barnhart to staff involved with contaminated sediment remediation, regarding supplemental guidance for using sediment criteria at inactive hazardous waste sites. New York State Department of Environmental Conservation, Albany, NY. April 7.

NYSDEC. 1997b. New York State amphibian and reptile atlas: 1990-1996 interim report. New York State Department of Environmental Conservation, Endangered Species Unit, Delmar, NY.

NYSDEC. 1997c. NYSDEC Freshwater Wetlands Regulations Guidelines on Compensatory Mitigation. May.

NYSDEC. 1998. Surface water and groundwater quality standards and groundwater effluent standards: water quality regulations for surface waters and groundwaters. Express terms for 6 NYCRR Part 700. New York State Department of Environmental Conservation, Division of Water, Albany, NY.

NYSDEC. 1999a. Ambient water quality standards and guidance values and groundwater effluent limitations. New York State Department of Environmental Conservation, Division of Water Technical and Operational Guidance Series (1.1.1), Albany, NY.

NYSDEC. 1999b. Technical guidance for screening contaminated sediments. New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources.

NYSDEC. 2000a. Furbearer Profiles, The Mink and the Otter. New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources. Web sites: <http://www.dec.state.ny.us/website/dfwmr/wildlife/wildgame/minkinny.htm> and <http://www.dec.state.ny.us/website/dfwmr/wildlife/wildgame/ottinny.htm>. Accessed May 15.

NYSDEC. 2000b. LCP Bridge Street Site. Record of Decision. Site Number 7-34-049. September 2000.

NYSDEC. 2001a. New York State Breeding Bird Atlas Interim Data 2001. New York State Department of Environmental Conservation, Albany, NY.

NYSDEC. 2001b. New York State Amphibian and Reptile Atlas Project 1990 – 1999. [www.dec.state.ny.us/website/dfwmr/wildlife/herp/index.html](http://www.dec.state.ny.us/website/dfwmr/wildlife/herp/index.html). Accessed June 2002.

NYSDEC. 2002a. New York State River Otter Project, Records of river otter sightings around Onondaga Lake from 1984 to 2002. New York State Department of Environmental Conservation.

NYSDEC. 2002b. Fish Consumption Advisory for Specific Waters. <http://www.dec.state.ny.us/website/dfwmr/fish/fishregs/fishadvisories.html>. Accessed October 22, 2002.

NYSDEC. 2002c. Quality Assurance Work Plan for Biological Stream Monitoring in New York State. June 2002.

NYSDEC/New York State Department of Law (NYSDOL). 1998. Geddes Brook/Ninemile Creek Field Investigation Determination. June.

NYSDEC/TAMS Consultants, Inc. (TAMS). 1998a. New York State's Revision of the Remedial Investigation Report, LCP Bridge Street Site, Solvay, New York. New York State Department of Environmental Conservation, Albany, NY, and TAMS Consultants, Inc., New York, NY.

NYSDEC/TAMS. 1998b. New York State's Revision of the Onondaga Lake Calcite Modeling Report. Prepared for New York State Department of Environmental Conservation, Superfund Standby Program, Albany, NY. TAMS Consultants, Inc., Bloomfield, NJ.

NYSDEC/TAMS. 1998c. New York State's Revision of the Onondaga Lake Mercury Modeling Report. Prepared for New York State Department of Environmental Conservation, Superfund Standby Program, Albany, NY. TAMS Consultants, Inc., Bloomfield, NJ.

New York State Department of Transportation (NYSDOT). No date. Digital street center line layer for Onondaga Lake and vicinity. New York State Department of Transportation, Albany, NY.

Newell, A.J., D.W. Johnson, and L.A. Allen. 1987. Niagara River Biota Contamination Project: Fish Flesh Criteria for Piscivorous Wildlife. Technical Report 87-3, Division of Fish and Wildlife, Bureau of Environmental Protection, New York State Department of Environmental Conservation. July.

Niimi, A.J. 1983. Biological and toxicological effects of environmental contaminants in fish. Canadian Journal of Fisheries and Aquatic Sciences 40:306-312.

Noble, R.L. and J.L. Forney. 1971. Onondaga Lake study. Fish survey of Onondaga Lake – summer 1969. Water Pollution Research Series. Report 11060.

Nosek, J.A., S.R. Craven, J.R. Sullivan, S.S. Hurley, and R.E. Peterson. 1992. Toxicity and reproductive effects of 2,3,7,8-tetrachlorodibenzo-p-dioxin in ring-necked pheasant hens. J. Toxicol. Environ. Health 35:187-198.

Nowak, R.M. 1997. Walker's Mammals of the World. The Johns Hopkins University Press. Baltimore, MD.

O'Brien & Gere. 1991. Remedial investigation report, Semet Residue Ponds Site, Geddes, New York. Prepared for AlliedSignal, Inc., Solvay, NY. O'Brien & Gere, Syracuse, NY.

O'Brien & Gere. 1996. Treatability study report, Semet Residue Ponds Site, Geddes, New York. Prepared for AlliedSignal, Inc., Solvay, NY. O'Brien & Gere, Syracuse, NY.

O'Brien & Gere. 1997. Treatability Study Report Addendum No. 1, Semet Residue Ponds Site, Geddes, New York. Prepared for AlliedSignal, Inc., Solvay, NY. O'Brien & Gere, Syracuse, NY.

O'Brien & Gere. 1999a. Willis Avenue Chlorobenzene Site, Remedial Investigation, Geddes, New York. Prepared for AlliedSignal, Inc., Solvay, NY. O'Brien & Gere, Syracuse, NY.

O'Brien & Gere. 1999b. Feasibility study revised final report, Semet Residue Ponds Site, Geddes, New York. Prepared for AlliedSignal, Syracuse, NY. O'Brien & Gere Engineers, Inc., Syracuse, NY.

O'Brien & Gere. 2000. Preliminary site assessment work plan, Ballfield Site, Geddes, New York. Prepared for AlliedSignal, Syracuse, NY. O'Brien & Gere Engineers, Inc., Syracuse, NY.

O'Brien & Gere. 2002. Willis Avenue Chlorobenzene Site – Remedial Investigation, Geddes, New York. Prepared for Honeywell, Syracuse, NY. O'Brien & Gere Engineers, Inc., Syracuse, NY.

Olivero, A. 2001. Classification and mapping of New York's calcareous fen communities. New York Natural Heritage Program. Albany, NY.

Ondreicka, R., E. Ginter, and J. Kortus. 1966. Chronic toxicity of aluminum in rats and mice and its effects on phosphorus metabolism. *Brit. J. Indust. Med.* 23:305-313.

Onondaga Audubon Society. 1990. Region Five waterfowl census. *Kestrel* 21(2):5.

Onondaga Audubon Society. 1991. Region Five waterfowl census. *Kestrel* 22(2):6.

Onondaga Audubon Society. 1992. Region Five waterfowl census. *Kestrel* 23(2):3.

Onondaga Audubon Society. 1993. Region Five waterfowl census. *Kestrel* 24(2):4.

Onondaga County. 1971. Onondaga Lake study. Prepared for US Environmental Protection Agency, Water Quality Office, Washington, DC. Onondaga County, Syracuse, NY.

Onondaga County Department of Drainage and Sanitation (OCDSS). 1998. Onondaga Lake Ambient Monitoring Program Work Plan and Quality Assurance Project Plan. Syracuse, NY. July.

Onondaga County Department of Water Environment Protection (OCDWEP). 2002a. Ambient water quality monitoring data provided to NYSDEC.

OCDWEP. 2002b. Onondaga County Department of Water Environment Protection. Web site: <http://www.lake.onondaga.ny.us/ol14.htm>. Accessed November 22.

Onondaga Lake Management Conference (OLMC) 1993. Onondaga Lake: a plan for action. Onondaga Lake Management Conference, Syracuse, NY.

Onondaga Lake Partnership. 2002. Onondaga Lake Pollution History of the Lake. Web site: <http://www.onlakepartners.org/Background/pollutionhistory.htm>. Accessed November 19.

Owens, E. and S. Effler. 1996. Hydrodynamics and transport. pp. 200-262. In: Limnological and Engineering Analysis of a Polluted Urban Lake: Prelude to Environmental Management of Onondaga Lake, New York. S.W. Effler (ed.) Springer-Verlag. New York, NY.

Palmer, A.K., A.E. Street, F.J.C. Roe, A.N. Worden, and N.J. Van Abbe. 1979. Safety evaluation of toothpaste containing chloroform. II: Long term studies in rats. *J. Environ. Pathol. Toxicol.* 2:821-833.

Palmer, R. S. 1962. Handbook of North American Birds. Volume 1. Yale University Press, New Haven, CT. As cited in USEPA, 1993b.

Parsons and Gradient. 1999. Feasibility study report, LCP Bridge Street Facility, Solvay, New York. Prepared for AlliedSignal, Inc., Solvay, NY. Gradient Corporation, Cambridge, MA, and Parsons Engineering-Science, Liverpool, NY.

Peakall, D. 1993. Animal Biomarkers as Pollution Indicators. Ecotoxicology Series 1. Chapman and Hall, London, England.

Peakall, D.B. 1974. Effects of di-n-butyl and di-2-ethylhexyl phthalate on the eggs of ring doves. Bull. Environ. Contam. Toxicol. 12(6):698-702.

Pentecost, A. 1989. Growth and calcification of *Calothrix*-dominated oncolites from northern England. pp. 443–454. In: Origin, Evolution, and Modern Aspects of Biomineralization in Plants and Animals. R.E. Crick (ed). Plenum Press, New York, NY.

Perez-Coll, C.S. and J. Herkovits. 1996. Stage-dependent uptake of cadmium by *Bufo arenarum* embryos. Bull. Environ. Contam. Toxicol. 1996:663-669.

Perkins, M.G. and E.A. Romanowicz, 1996. Hydrogeologic setting. pp.32 to 96. In: Limnological and Engineering Analysis of a Polluted Urban Lake: Prelude to Environmental Management of Onondaga Lake, New York. S.W. Effler (ed). Springer-Verlag, New York, NY.

Persaud, D., R. Jaagumagi, and A. Hayton. 1991. The provincial sediment quality guidelines [draft]. Ontario Ministry of the Environment, Water Resources Branch.

Persaud, D., R. Jaagumagi, and A. Hayton. 1993. Guidelines for the protection and management of aquatic sediment quality in Ontario. Ontario Ministry of the Environment, Water Resources Branch.

Peters, R.H. 1983. The ecological implications of body size. Cambridge, England: Cambridge University Press. As cited in USEPA, 1993b.

Platt, W.J. 1976. The social organization and territoriality of short-tailed shrew (*Blarina brevicauda*) populations in old-field habitats. Animal Behaviour 24:305-318.

Preston, C.R. 1990. Distribution of raptor foraging in relation to prey biomass and habitat structure. Condor 92:107-112.

Preston, C.R. and R.D. Beane. 1993. Red-tailed hawk (*Buteo jamaicensis*). In: The Birds of North America, No 52. A. Poole and F. Gill (eds). The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists' Union, Washington, DC.

PTI. 1991. Onondaga Lake RI/FS Work Plan. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Bellevue, WA.

PTI. 1992a. Onondaga Lake RI/FS: Field Sampling Plan. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Bellevue, WA.

PTI. 1992b. Onondaga Lake RI/FS Geophysical Survey Report. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Waltham, MA.

PTI. 1992c. Onondaga Lake RI/FS Reference Lake Selection Report. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Bellevue, WA. Revised by New York State (New York State Department of Environmental Conservation), 1993.

PTI. 1992d. Onondaga Lake RI/FS Site History Report. Prepared for AlliedSignal Inc., Solvay, NY. PTI Environmental Services, Bellevue, WA.

PTI. 1993a. Onondaga Lake pilot study, sediment toxicity and reference lake evaluations. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Bellevue, WA.

PTI. 1993b. Onondaga Lake RI/FS Bioaccumulation Investigation Data Report. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Waltham, MA.

PTI. 1993c. Onondaga Lake RI/FS Ecological Effects Investigation Data Report. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Waltham, MA.

PTI. 1993d. Recommendations for Assessing Adverse Benthic Effects in Puget Sound. Prepared for Washington Department of Ecology – Based on National Benthic Experts Workshop, February 25, 1993.

PTI. 1993e. Onondaga Lake RI/FS substance distribution investigation data report. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Waltham, MA.

PTI. 1995a. Onondaga Lake RI/FS baseline ecological risk assessment: major assumptions. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Bellevue, WA.

PTI. 1995b. Onondaga Lake RI/FS baseline ecological risk assessment: statement of objectives. Prepared for AlliedSignal, Inc., Solvay, NY. PTI Environmental Services, Bellevue, WA.

Purcell, B. 2001. Region 5 Spring Arrivals. Compiled by Bill Purcell for Onondaga Audubon Society, Rice Creek Field Station. Web site: <http://www.onondagaaudubon.org/arrivals.htm>. Accessed July 2002.

Quast, J.F., C.G. Humiston, C.E. Wade, J. Ballard, J.E. Beyer, R.W. Schweitz, and J.M. Norris. 1983. A chronic toxicity and oncogenicity study in rats and subchronic toxicity study in dogs on ingested vinylidene chloride. Fundam. Appl. Toxicol. 3:55-62.

Quinney, T.E. 1986. Male and female parental care in tree swallows. Wilson Bull. 98:147-150.

Randolph, J.C. 1973. Ecological energetics of a homeothermic predator, the short-tailed shrew. Ecology 54:1166-1187. As cited in USEPA, 1993b.

Reimann-Buechner Partnership. 1991. 1991 Onondaga Lake development plan.

Remane, A. and C. Schlieper. 1971. Biology of brackish water. Second Revised Edition. John Wiley & Sons, Inc., New York, NY. As cited in Effler et al. 1996.

Reschke, C. 1990. Ecological communities of New York State. New York State Department of Environmental Conservation, New York Natural Heritage Program, Albany, NY.

Resh, V.H. and E.P. McElravy. 1993. Contemporary quantitative approaches to biomonitoring using benthic macroinvertebrates. Chapter 5. In: Freshwater Biomonitoring and Benthic Macroinvertebrates. D.M. Rosenberg and V.H. Resh (eds). Chapman & Hall, New York, NY.

Restum, J.C., S.J. Bursian, J.P. Giesy, J.A. Render, W.G. Helferich, E.B. Shipp, and D.A. Verbrugge. 1998. Multigenerational study of the effects of consumption of PCB-contaminated carp from Saginaw Bay, Lake Huron, on mink. 1: Effects on mink reproduction, kit growth and survival, and selected biological parameters. *J. Toxicol. Environ. Health Part A* 54:343-375.

Richards, N. 1982. Section 4.06: Biological community. In: Draft Environmental Impact Statement to Accompany Application for a Permit to Continue Operation of an Existing Solid Waste Management Facility for Industrial Non-hazardous Solid Wastes. Vol. 4. Calacerinos and Spina, Consulting Engineers. Liverpool, NY.

Ringler, N., et al. 1995. Fish reproduction in Onondaga Lake. Chapter 7. In: Onondaga Lake Monitoring Program 1994 Annual Report, Onondaga County, New York. Prepared for Onondaga County. Stearns & Wheler Environmental Engineers and Scientists, Cazenovia, NY.

Robertson, R.J., B.J. Stutchbury, and R.R. Cohen. 1992. Tree swallow, *Tachycineta bicolor*. In: The Birds of North America, No. 11. A. Poole, P. Stettenheim, and F. Gill (eds). The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists Union, Washington, DC.

Robinson, K.S., R.J. Kavlock, N. Chernoff, and E. Gray. 1981. Multigeneration study of 1,2,4-trichlorobenzene in rats. *J. Toxicol. Environ. Health.* 8: 489-500.

Roos, A., E. Greyerz, M. Olsson, and F. Sandegren. 2001. The otter (*Lutra lutra*) in Sweden – population trends in relation to SDDT and total PCB concentrations during 1968-99. *Environmental Pollution* 111:457-469.

Rosenfeld, I. and O.A. Beath. 1954. Effect of selenium on reproduction in rats. *Proc. Society for Experimental Biology and Medicine* 87(2):295-297.

Rusk, M. 1994. Region Five waterfowl count (data compilation).

Safe, S.H. 1990. Polychlorinated biphenyls (PCBs), dibenzo-p-dioxins (PCDDs), dibenzofurans (PCDFs), and related compounds: environmental and mechanistic considerations which support the development of toxic equivalency factors (TEFs). Crit. Rev. Toxicol. 21:219-238.

Safe, S.H. 1994. Polychlorinated biphenyls (PCBs): environmental impact, biochemical and toxic responses, and implications for risk assessment. Crit. Rev. Toxicol. 24(2):87-149.

Salyer, II, J.C. and K.F. Lagler. 1946. The eastern belted kingfisher *Megaceryle alcyon alcyon* (Linnaeus), in relation to fish management. Trans. Am. Fish. Assoc. 76:97-117.

Sample, B.E. and G.W. Suter, II. 1994. Estimating Exposure of Terrestrial Wildlife to Contaminants. ES/ER/TM-125. Prepared for the US Department of Energy, Office of Environmental Management, by Oak Ridge National Laboratory, Environmental Sciences Division, Oak Ridge, TN.

Sample, B.E., D.M. Opresko, and G.W. Suter, II. 1996. Toxicological benchmarks for wildlife: 1996 revision. ES/ER/TM-86/RS. Prepared for the US Department of Energy, Office of Environmental Management. Oak Ridge National Laboratory, Risk Assessment Program, Health Sciences Research Division, Oak Ridge, TN.

Sample, B.E., J.J. Beauchamp, R.A. Efroymson, G.W. Suter, and T.L. Ashwood. 1998a. Development and validation of bioaccumulation models for earthworms. ES/ER/TM-220. Oak Ridge National Laboratory.

Sample, B.E., J.J. Beauchamp, R.A. Efroymson, and G.W. Suter. 1998b. Development and validation of bioaccumulation models for small mammals. ES/ER/TM-219. Oak Ridge National Laboratory, Lockheed Martin Environmental Restoration Program.

Saroff, S.T. (ed). 1990. Proceedings of the Onondaga Lake remediation conference, February 5-8, 1990, Bolton Landing, NY. New York State Department of Law and New York State Department of Environmental Conservation, Albany, NY.

Sauter, E.A. and E.E. Steele. 1972. Poultry Science 51:71. In: S. Tullet, G. Ravie, and P.E. Lake, Possible effects of gamma benzene hexachloride on developing turkey and chicken embryos. Veterinary record 110:499-500.

Schafer, Jr., E.W., W.A. Bowles, Jr., and J. Hurlbut. 1983. The acute oral toxicity, repellency, and hazard potential of 998 chemicals to one or more species of wild and domestic birds. Arch. Environ. Contam. Toxicol. 12:355-382.

Scheuhammer, A.M. 1995. Methylmercury exposure and effects in piscivorous birds. Proceedings 1995 Canadian Mercury Network Workshop, Environment Canada.

Schlesinger, W.H. and G.L. Potter. 1974. Lead, copper, and cadmium concentrations in small mammals in the Hubbard Brook Experimental Forest. *Oikos* 25:148-152.

Schlicker, S.A. and D.H. Cox. 1968. Maternal dietary zinc, and development and zinc, iron, and copper content of the rat fetus. *J. Nutr.* 95:287-294.

Schmidt, R.H. 1994. Shrews. Prevention and control of wildlife damage. Institute of Agriculture and Natural Resources, University of Nebraska- Lincoln, United States Department of Agriculture, and Great Plains Agricultural Council Wildlife Committee.

Schroeder, H.A. and M. Mitchener. 1971. Toxic effects of trace elements on the reproduction of mice and rats. *Arch. Environ. Health* 23:102-106.

Schroeder, H.A. and M. Mitchener. 1975. Life-term studies in rats: Effects of aluminum, barium, beryllium, and tungsten. *J. Nutr.* 105:421-427.

Schroeder, H. A., M. Mitchener, J. J. Balassa, M. Kanisawa, and A. P. Nason. 1968. Zirconium, niobium, antimony, and fluorine in mice: effects on growth, survival and tissue levels. *J. Nutr.* 95: 95-101.

Schwetz, B.A., P.A. Keeler, and P.J. Gehring. 1974. The effect of purified and commercial grade pentachlorophenol on rat embryonal and fetal development. *Toxicol. Appl. Pharmacol.* 28:151-161.

Scott, W.B. and E.J. Crossman. 1973. Freshwater Fishes of Canada. Fisheries Research Board of Canada. Bull. 184. Ottawa.

Sealander, J.A. 1943. Winter food habits of mink in southern Michigan. *J. Wildl. Manage.* 7:411-417. As cited in USEPA, 1993b.

Secord, A.L. and J.P. McCarty. 1997. Polychlorinated biphenyl contamination of tree swallows in the Upper Hudson River Valley, New York, effects on breeding biology and implications for other bird species. US Fish and Wildlife Service, New York Field Office, Cortland, NY.

Seegal, R.F. 1996. Epidemiological and laboratory evidence of PCB-induced neurotoxicity. *Crit. Rev. Toxicol.* 26(6):709-737.

Serfass, T.L., L.M. Rymon, and R.P. Brooks. 1990. Feeding relationships of river otters in northeastern Pennsylvania. *Trans. Northeast Sect. Wild. Soc.* 47: 43-53.

Setzler-Hamilton, E.M. 1991. White Perch. In: Habitat Requirements for Chesapeake Bay Living Resources, Chesapeake Research Consortium, Inc. Solomons, Maryland. 2nd Edition. pp. 12-20.

Shapiro, S.S. and M.B. Wilks. 1965. An Analysis of Variance Test for Normality (Complete Samples). Biometika 52: 591-611.

Sheldon, W.G. and W.G. Toll. 1964. Feeding habits of the river otter in a reservoir in central Massachusetts. Journal of Mammalogy 45(3): 449-455.

Siegfried, C., N.A. Auer, and S.W. Effler. 1996. Changes in the zooplankton of Onondaga Lake: causes and implications. Lake Reserv. Manage. 12(1):59-71.

Silberhorn, E.M., H.P. Glauert, and L.W. Robertson. 1990. Carcinogenicity of polyhalogenated biphenyls: PCBs and PBBs. Crit. Rev. Toxicol. 20(6):397-426.

Sittig, M. 1991. Handbook of Toxic and Hazardous Chemicals and Carcinogens, Volumes 1 and 2, Third Edition. Noyes Publications, Park Ridge, NJ.

Sloan, R. J., Bureau of Wildlife and Habitat, New York State Department of Environmental Conservation. 2002. Personal communication via e-mail to H. Chernoff, TAMS Consultants, Inc. August 1.

Sloan, R., L. Skinner, E. Horn and R. Karcher. 1987. An overview of mercury contamination in the fish of Onondaga Lake. New York State Department of Environmental Conservation Technical Report 87-1 (BEP).

Slooff, W., P.F.H. Bont, M. van Ewijk, and J.A. Janus. 1991. Exploratory report mercury. Report no. 710401006. Bilthoven, The Netherlands: National Institute of Public Health and Environmental Protection. Cited in NOAA (1996).

Smith, C.L. 1985. The Inland Fishes of New York State. New York State Department of Environmental Conservation, Albany, NY.

Snyder, E. 2002. Little brown bat (*Myotis lucifugus*). University of New Hampshire Cooperative Extension. Web site: [http://www.wildlife.state.nh.us/brownbat\\_facts.htm](http://www.wildlife.state.nh.us/brownbat_facts.htm). Accessed May 15.,

Soil Conservation Service (SCS). 1977. Soil survey of Onondaga County, New York. US Department of Agriculture, Soil Conservation Service.

Sorensen, E.M.B., P.M. Cumbie, T.L. Bauer, J.S. Bell, and C.W. Harlan. 1984. Histopathological, hematological, condition-factor, and organ weight changes associated with selenium accumulation in fish from Belews Lake, North Carolina. Arch. Environ. Contam. Toxicol. 13:153-162.

Southworth, G.R., R.R. Turner, M.J. Peterson, and M.A. Bogle. 1995. Forms of mercury in stream fish exposed to high concentrations of dissolved inorganic mercury. Chemosphere 30:779-787. As cited in Eisler, 2000.

Spalding, M.G., P.C. Frederick, H.C. McGill, S.N. Bouton, L.J. Richey, I.M. Schumacher, C.G. Blackmore, and J. Harrison. 2000. Histologic, neurologic, and immunologic effects of methylmercury in captive great egrets. *J. of Wildlife Diseases* 36:423-235.

Spehar, R.L. 1976. Cadmium and zinc toxicity to flagfish, *Jordanella floridae*. *Journal Fisheries Research Board Canada* 33 :1939-1945.

Spinola, R.M., T.L. Serfass, and R.P. Brooks. No date. Radiotelemetry Study: River Otter Reintroduction at Letchworth State Park. Progress Report A1. Prepared for: NYSDEC, New York River Otter Project and NY State Office of Parks, Recreation and Historic Preservation.

Stahl, J.L., J.L. Gregor, and M.E. Cook. 1990. Breeding-hen and progeny performance when hens are fed excessive dietary zinc. *Poul. Sci.* 69:259-263.

Stearns & Wheler. 1994. Onondaga Lake Cooperative Monitoring Program, 1992 annual report. Stearns & Wheler, Cazenovia, NY.

Steenhof, K. 1983. Prey weights for computing percent biomass in raptor diets. *Raptor Res.* 17:15-27. As cited in USEPA, 1993b.

Steven, J.D., L.J. Davies, E.K. Stanley, R.A. Abbott, M. Ihnat, L. Bidstrup, and J.F. Jaworski. 1976. Effects of chromium in the Canadian environment. NRCC No. 151017. As cited in Sample et al., 1996.

Stickel, L.F., W.H. Stickel, R.A. Dyrland, and D.L. Hughes. 1983. Oxychlordane, HCS-3260, and nonachlor in birds: Lethal residues and loss rates. *J. Toxicol. Environ. Health* 12:611-622.

Stiles, W. 2001. Personal communication via telephone conversation with R. Quail, NYSDEC, regarding species of mammals and birds confirmed to be around Onondaga Lake. NYSDEC, Cortland, NY.

Stone, U.B., D. Pasko, and A.C. Petty. 1948. Onondaga Lake investigation. *Verh. Internat. Verein. Limnol.* 20:496-601.

Storey, M. 1977. Heartland: a natural history of Onondaga County, New York. Onondaga Audubon Society, Syracuse, NY.

Suter, G.W. II and J.B. Mabrey. 1994. Toxicological benchmarks for screening potential contaminants of concern for effects on aquatic biota: 1994 Revision. Prepared for the US Department of Energy, Office of Environmental Management. Oak Ridge National Laboratory, Oak Ridge, TN.

Suter, G.W. II and C.L. Tsao. 1996. Toxicological benchmarks for screening potential contaminants of concern for effects on aquatic biota: 1996 Revision. Prepared for the US Department of Energy, Office of Environmental Management. Oak Ridge National Laboratory, Oak Ridge, TN.

Sutou, S., K. Yamamoto, H. Sendota, and M. Sugiyama. 1980. Toxicity, fertility, teratogenicity, and dominant lethal test. II: Fertility, teratogenicity, and dominant lethal tests. *Ecotoxicol. Environ. Safety* 4:51-56.

Swanson, G.A., M.I. Meyer, and V.A. Adomaitis. 1985. Foods consumed by breeding mallards on wetlands of south-central North Dakota. *J. Wildl. Manage.* 49:197-203.

Sze, P. 1975. Possible effects of lower phosphorus concentrations on the phytoplankton in Onondaga Lake, New York, USA. *Phycologia* 14(4):197-204.

Sze, P. 1980. Seasonal succession of phytoplankton in Onondaga Lake, New York, USA. *Phycologia* 19(1):54-59.

Sze, P. and J.M. Kingsbury. 1972. Distribution of phytoplankton in a polluted saline lake, Onondaga Lake, New York. *J. Phycologia* 8(1):25-37.

Talmage, S.S. and B.T. Walton. 1993. Food chain transfer and potential renal toxicity to small mammals at a contaminated terrestrial field site. *Ecotoxicology* 2:243-256. As cited in Sample and Suter, 1994.

Talimi, Y. and R. E. Mesmer 1975. Studies on vaporization and halogen decomposition of methylmercury compounds using GC with a microwave detector, *Water Res.* 9: 547.

TAMS Consultants, Inc. (TAMS)/USEPA. 2000. Phase 2 Report Further Characterization and Analysis, Volume 2E – Revised Baseline Ecological Risk Assessment, Hudson River PCBs Reassessment RI/FS. Prepared for US Environmental Protection Agency Region 2 and US Army Corps of Engineers Kansas City District by TAMS Consultants, Inc. and Menzie-Cura and Associates, Inc. November 2000.

TAMS. 2002a. Onondaga Lake Human Health Risk Assessment. Original document prepared by Exponent, Bellevue, Washington, for Honeywell, East Syracuse, New York. Revision prepared by TAMS, New York, New York and YEC, Valley Cottage, New York, for New York State Department of Environmental Conservation, Albany, New York. December.

TAMS. 2002b. Onondaga Lake Remedial Investigation Report. Original document prepared by Exponent, Bellevue, Washington, for Honeywell, East Syracuse, New York. Revision prepared by TAMS, New York, New York and YEC, Valley Cottage, New York, for New York State Department of Environmental Conservation, Albany, New York. December.

Tango, P. 1993. Unpublished data on bird species observed near Onondaga Lake in 1993. State University of New York, Environmental Science and Forestry, Syracuse, New York.

Tango, P. and N. Ringler. 1996. The role of pollution and external refugia in structuring the Onondaga Lake fish community. *Lake and Reservoir Management*. 12(1): 81-90.

Tewe, O. O. and J. H. Maner. 1981. Long-term and carry-over effect of dietary inorganic cyanide (KCN) in the life cycle performance and metabolism of rats. *Toxicol. Appl. Pharmacol.* 58: 1-7.

Tilson, H.A., J.L. Jacobson, and W.J. Rogan. 1990. Polychlorinated biphenyls and the developing nervous system: cross-species comparisons. *Neurotoxicol. Teratol.* 12(3):239-248.

Toweill, D. 1974. Winter food habits of river otters in western Oregon. 1974. *Journal of Wildlife Management* 38(1):107-111.

Treon, J.F. and F.P. Cleveland. 1955. Toxicity of certain chlorinated hydrocarbon insecticides for laboratory animals, with special reference to aldrin and dieldrin. *Agric. Food Chem.* 3(5):402-408.

Trewartha, G.T. 1968. An Introduction to Climate. Fourth Edition. McGraw-Hill Book Co., New York, NY.

Tugarinova, N.I., V.E. Miklashevskii, N.P. Alekseeva, and G.P. Yakolovleva. 1960. Experimental determination of limits of allowable tetrachloroethane (TCLE) and hexachloroethane (HCLE) concentration in water. USSR literature on water supply and pollution control. 5:145-154.

Tumlison, R. and S. Shalaway. 1985. An Annotated Bibliography on the North American River Otter *Lutra Canadensis*. Oklahoma Cooperative Fish and Wildlife Research Unit and Department of Zoology. Oklahoma State University, Stillwater, Oklahoma. July.

United Nations Environment Programme (UNEP). 2002. Global Programme of Action for the Protection of the Marine Environment from Land-based Activities. Web site: <http://pops.gpa.unep.org/12endr.htm>. Accessed October 30.

United States Army Corps of Engineers (USACE). 2002. Biota sediment accumulation factor (BSAF) database. Web site: <http://www.wes.army.mil/el/bsaf/bsaf.html>. Accessed June.

US Department of Energy (USDOE). 1998. Biota Sediment Accumulation Factors for Invertebrates: Review and Recommendations for the Oak Ridge Reservation. BJC/OR-112. Prepared by Bechtel Jacobs Company LLC.

US Environmental Protection Agency (USEPA). 1986a. Quality criteria for water. EPA440/5-86/001. US Environmental Protection Agency, Office of Regulations and Standards, Washington, DC.

USEPA. 1986b. Update #1 to Quality criteria for water. US Environmental Protection Agency, Office of Regulations and Standards, Washington, DC.

USEPA. 1986c. 90-day gavage study in albino rats using acetone. US Environmental Protection Agency, Office of Solid Waste, Washington, D.C.

USEPA. 1986d. Health assessment document for nickel and nickel compounds. Final report. EPA-600/8-83/012FF. US Environmental Protection Agency.

USEPA. 1987a. Toxicological Review of Cadmium (CASRN 7440-43-9). Integrated Risk Information System (IRIS). March 31, 1987. Accessed August 2002.

USEPA. 1987b. Update #2 to Quality criteria for water. US Environmental Protection Agency, Office of Regulations and Standards, Washington, DC.

USEPA. 1988. Recommendations for and documentation of biological values for use in risk assessment. EPA/600/6-87/008. Environmental Criteria and Assessment Office, Cincinnati, OH.

USEPA. 1989. Risk Assessment Guidance for Superfund (RAGS): Human Health Evaluation Manual, Part A. US Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA/540/1-89/002. OSWER Directive 9285.701A.

USEPA. 1991. Quality criteria for water, Update. Environmental Protection Agency, Office of Science and Technology.

USEPA. 1992a. Framework for Ecological Risk Assessment. Risk Assessment Forum, Washington, DC. EPA/630/R-92/001. US Environmental Protection Agency. February.

USEPA. 1992b. Supplemental Guidance to RAGS: Calculating the Concentration Term. Office of Solid Waste and Emergency Response Directive 9285.7-081.

USEPA. 1993a. Technical basis for deriving sediment quality criteria for nonionic organic contaminants for the protection of benthic organisms by using equilibrium partitioning. EPA/822/R-93/011. US Environmental Protection Agency, Office of Water, Office of Science and Technology, Health and Ecological Criteria Division, Washington, DC.

USEPA. 1993b. Wildlife exposures factors handbook. EPA/600/R-93/187a. US Environmental Protection Agency, Office of Research and Development, Washington, DC.

USEPA. 1993c. Considering Wetlands at CERCLA Sites. EPA540/R-94019. US Environmental Protection Agency.

USEPA. 1994. Briefing report to the EPA Science Advisory Board on the equilibrium partitioning approach to predicting metal bioavailability in sediments and the derivation of sediment quality criteria for metals. Volume I. EPA 822-D-94-002. US Environmental Protection Agency, Office of Water and Office of Research and Development, Washington, DC.

USEPA. 1995a. An SAB report: review of the agencies approach for developing sediment criteria for five metals. EPA/SAB/EPEC-95/020. US Environmental Protection Agency, Office of Water, Washington, DC.

USEPA. 1995b. Great Lakes water quality initiative criteria documents for the protection of wildlife: DDT, Mercury, 2,3,7,8-TCDD, PCBs. US Environmental Protection Agency, Office of Water. EPA-820-B-95-008.

USEPA. 1995c. OW/OSWER Joint Work Group, internal working document. As cited in USEPA, 1996a.

USEPA. 1996a. Ecotox thresholds. EPA/540/F-95/038. US Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

USEPA. 1996b. Calculation and evaluation of sediment effect concentrations for the amphipod *Hyalella azteca* and the midge *Chironomus riparius*. EPA 905-R96-008. US Environmental Protection Agency, Great Lakes National Office, Chicago, IL. As cited in Jones et al., 1997.

USEPA. 1997a. Ecological Risk Assessment Guidance for Superfund: Process for Designing and Conducting Ecological Risk Assessments. EPA 540-R-97-0C5. US Environmental Protection Agency, Solid Waste and Emergency Response, Washington, DC.

USEPA. 1997b. The Incidence and Severity of Sediment Contamination in Surface Waters of the United States. Volume 1: National sediment quality survey. EPA 823-R-97-006. US Environmental Protection Agency, Washington, DC.

USEPA. 1998. Guidelines for Ecological Risk Assessment. Risk Assessment Forum, US Environmental Protection Agency, Washington, DC. EPA/630/R-95/002F. April.

USEPA. 1999a. Issuance of Final Guidance: Ecological Risk Assessment and Risk Management Principles for Superfund Sites. OSWER Directive 9285.28P. US Environmental Protection Agency, Office of Solid Waste and Emergency Response, Washington, DC.

USEPA. 1999b. Toxicological Review Of Barium And Compounds (CAS No. 7440-39-3) In Support of Summary Information on the Integrated Risk Information System (IRIS) March 1998 minor revisions January 1999.

USEPA. 1999c. National Recommended Water Quality Criteria – Correction. EPA 822-Z-99-001. US Environmental Protection Agency, Office of Water.

USEPA. 1999d. The National Survey of Mercury Concentrations in Fish. EPA-823-R-99-014. US Environmental Protection Agency, Office of Water.

USEPA. 2000. Ecological Soil Screening Level Guidance – Draft. Review of Aluminum Chemistry and Toxicity in Soil Exhibit 5-2. US Environmental Protection Agency, Office of Emergency and Remedial Response, Washington, DC. July 10, 2000.

USEPA. 2001. ECO Update, The Role of Screening-Level Risk Assessments and Refining Contaminants of Concern in Baseline Ecological Risk Assessments. US Environmental Protection Agency, Office of Solid Waste and Emergency Response. Publication 9345.0-14, EPA 540/F-01/014. June 2001.

USEPA. 2002. Role of Background in CERCLA Cleanup Program. US Environmental Protection Agency, Office of Solid Waste and Emergency Response, Office of Emergency and Remedial Response. OSWER 9285.6-07P. April 26, 2002.

USEPA Region 4. 1999. Waste Management Division Soil Screening Values for Hazardous Waste Sites.

US Fish and Wildlife Agency (USFWS). 1969. Bureau of sport fisheries and wildlife. Publication 74, pp. 56–57.

USFWS. 1999. National Wetlands Inventory. Web site: <ftp://www.nwi.fws.gov/maps/>. Accessed May 1999.

USFWS. 2002. Letter to R. Quail, NYSDEC, from M.W. Clough, acting for D.A. Stilwell, regarding federal threatened and endangered species. June 25, 2002.

US Food and Drug Administration (USFDA). 1984. Action level for methyl mercury in fish. Federal Register 49:45663. November 19.

United States Geological Survey (USGS). 1990. Data dump from WATSTORE: flow data for tributaries to Onondaga Lake and lake elevations, water years 1970-1989. US Geological Survey, New York.

USGS. 2001. United States NWIS-W data retrieval. Web site: <http://waterdata.usgs.gov/nwis/sw>. US Geological Survey, Washington, DC. Accessed May 2002.

Van Daele, L.J. and H.A. Van Daele. 1982. Factors affecting the productivity of ospreys nesting in west-central Idaho. Condor 84:292-299.

Van den Berg, M., L. Birnbaum, A.T.C. Bosveld, B. Brunstrom, P. Cook, M. Feeley, J.P. Giesy, A. Hanberg, R. Hasegawa, S.W. Kennedy, T. Kubiak, J.C. Larsen, F.X. van Leeuwen, A.K. Liem, C. Nolt, R.E. Peterson, L. Poellinger, S. Safe, D. Schrenk, D. Tillitt, M. Tysklind, M. Younes, F. Waern, and T. Zacharewski. 1998. Toxic equivalency factors (TEFs) for PCBs, PCDDs, PCDFs for humans and wildlife. Environ. Health Perspect. 106:775–792.

Van Der Putte, I., J. Lubbers, and Z. Kolar. 1981. Effect of pH on uptake, tissue distribution and retention of hexavalent chromium in rainbow trout (*Salmo gairdneri*). Aquat. Toxicol. 1:3-18.

Van Druff, L.W. and M.A. Pike. 1992. Wildlife and habitats of the Onondaga Lake area: a review. A report prepared for the Wildlife Habitat Working Group of the Onondaga Lake Management Conference. State University of New York, College of Environmental Science and Forestry, Syracuse, NY.

Van Velsen, F.L., L.H.J.C. Danse, F.X.R. Van Leeuwen, J.A.M.A. Dormans, and M.J. Van Logten. 1986. The subchronic oral toxicity of the B-isomer of hexachlorocyclohexane in rats. Fundam. Appl. Toxicol. 6:697-712.

Vos, J.G., H.L. van der Maas, A. Musch, and E. Ram. 1971. Toxicity of hexachlorobenzene in Japanese quail with special reference to porphyria, liver damage, reproduction, and tissue residues. Toxicol. Appl. Pharmacol. 18:944-957.

Wagstaff, D., J. McDowell, and H. Paulin. 1980. Heptachlor residue accumulation and depletion in broiler chickens. Am. J. of Vet. Res. 40(5):765-768.

Walker, M.K. and R.E. Peterson. 1994. Toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin to brook trout (*Salvelinus fontinalis*) during early development. Environmental Toxicology and Chemistry 15(5):817-820.

Walker, M.K., L.C. Hufnagle, Jr., M.K. Clayton, and R.E. Peterson. 1992. An egg injection method for assessing early life stage mortality of polychlorinated dibenzo-p-dioxins, dibenzofurans, and biphenyls in rainbow trout (*Oncorhynchus mykiss*). Aquatic Toxicology. 22:15-38.

Walker, M.K., P.M. Cook, A.R. Batterman, B.C. Butterworth, C. Berini, J.J. Libal, L.C. Hufnagle, and R.E. Peterson. 1994. Translocation of 2,3,7,8-tetrachlorodibenzo-p-dioxin from adult female lake trout (*Salvelinus namaycush*) to oocytes: effects on early life stage development and sac fry survival. Can. J. Fish. Aquat. Sci. 51:1410-1419.

Walsh, D. F., B. L. Berger, and J. R. Bean. 1977. Mercury, arsenic, lead, cadmium, and selenium residues in fish. 1971-1973 - National Pesticide Monitoring Program. Pestic. Monit. J. 11:5-134.

Washington State Department of Ecology (WSDE). 1995. Chapter 173-204 WAC, Sediment Management Standards. RCW 90.48, 70.105D, 90.70, 90.52, 90.54, 43.21C. December 29.

WSDE. 1996. Development of Reference Value Ranges for Benthic Infauna Assessment Endpoints in Puget Sound – Washington Department of Ecology Sediment Management Unit – Prepared by Striplin Environmental Associates, Inc. January 30.

WSDE. 1997. Creation and Analysis of Freshwater Sediment Quality Values in Washington State, Publication No. 97-323a. July.

WSDE. 2001. SEDQUAL software program Release 4.

Werner, R.G. 1980. Freshwater Fishes of New York State, A Field Guide. Syracuse University Press. 186 p.

Whitaker, Jr., J.O. and M.G. Ferraro. 1963. Summer food of 220 short-tailed shrews from Ithaca, New York. *J. Mammal.* 44(3):419.

White, D.H. and M.P. Dieter. 1978. Effects of dietary vanadium in mallard ducks. *J. Toxicol. Environ. Health.* 4:43-50.

White, D.H. and M.T. Finley. 1978. Uptake and retention of dietary cadmium in mallard ducks. *Environ. Res.* 17:53-59.

Wiederholm, T. 1980. Use of benthos in lake monitoring. *J. Water Pollut. Control Fed.* 52:537-547.

Wiener, J. and D. Spry. 1996. Toxicological significance of mercury in freshwater fish. In: Environmental Contaminants in Wildlife: Interpreting tissue concentrations. W.N. Beyer, G.H. Heinz, and A.W. Redman-Norwood, eds. Lewis Publishers, Boca Raton Florida, pp. 297-339.

Wimbatt, W. 1945. Notes on breeding behavior, pregnancy, and parturition in some vespertilionid bats of the Eastern United States. *Journal of Mammalogy* 26:323-33.

Wobeser, G., N.O. Nielsen, and B. Schiefer. 1976. Mercury and mink. II: experimental methylmercury intoxication. *Can. J. Comp. Med.* 40:34-45.

Woock, S.E., W.R. Garrett, W.E. Partin, and W.T. Bryson. 1987. Decreased survival and teratogenesis during laboratory selenium exposures to bluegill, *Lepomis macrochirus*. *Bull. Environ. Contam. Toxicol.* 39:998-1005.

World Health Organization (WHO). 1984. Environmental health criteria 34: chlordane. World Health Organization.

WHO. 1992. Endrin. WHO working group. Environmental Health Criteria. 241 pp.

Wren, C.D., P.M. Stokes, and K.L. Fischer. 1986. Mercury levels in Ontario mink and otter relative to food levels and environmental acidification. *Can. J. Zool.* 64:2854-2859.

Wren, C.D., D.B. Hunter, J.F. Leatherland, and P.M. Stokes. 1987. The effects of polychlorinated biphenyls and methylmercury, singly and in combination on mink. I: Uptake and toxic responses. *Arch. Environ. Contam. Toxicol.* 16:441-447.

Young, R. 1992. Toxicity summary for antimony. Oak Ridge National Laboratory Environmental Restoration Program, Risk Assessment Information System. Web site: [http://risk.lsd.ornl.gov/tox/profiles/antimo\\_c.shtml](http://risk.lsd.ornl.gov/tox/profiles/antimo_c.shtml). December 1992. Accessed July 2002.

Zoll, C., A. Boudou, F. Ribeyre, and A. Jaylet. 1988. Genotoxicity and bioaccumulation of Methyl Mercury and Mercuric Chloride in vivo in newt *Pleurodes waltl*. Mutagenesis. 3(4): 337-343.