

I.0 Literature Cited from Previous MSES reviews of Offshore Projects

I.1 Fish

- Abascal, F., J. Mejuto, M. Quintans, B. García-Cortés & A. Ramos-Cartelle, 2015. Tracking of the broadbill swordfish, *Xiphias gladius*, in the central and eastern North Atlantic. *Fisheries Research* 162: 20-28.
- Almeda, R., Wambaugh, Z., Wang, Z., Hyatt, C., Liu, Z., & Buskey, E. J. (2013). Interactions between zooplankton and crude oil: toxic effects and bioaccumulation of polycyclic aromatic hydrocarbons. *PLoS one*, 8(6), e67212.
- Barron, M. G. (2012). Ecological impacts of the deepwater horizon oil spill: implications for immunotoxicity. *Toxicologic pathology*, 40(2), 315-320.
- Block, B.A., H. Dewar, S.B. Blackwell, T.D. Williams, E.D. Prince, C.J. Farwell, A. Boustany, S.L. Teo, A. Seitz & A. Walli, 2001. Migratory movements, depth preferences, and thermal biology of Atlantic bluefin tuna. *Science* 293: 1310-1314.
- Hamdan, L. J., & Fulmer, P. A. (2011). Effects of COREXIT® EC9500A on bacteria from a beach oiled by the Deepwater Horizon spill. *Aquatic microbial ecology*, 63(2), 101-109.
- Kujawinski, E. B., Kido Soule, M. C., Valentine, D. L., Boysen, A. K., Longnecker, K., & Redmond, M. C. (2011). Fate of dispersants associated with the Deepwater Horizon oil spill. *Environmental science & technology*, 45(4), 1298-1306.
- McKendree, M. G., Ortega, D. L., Widmar, N. O., & Wang, H. H. (2013). Consumer Perceptions of Seafood Industries in the Wake of the Deepwater Horizon Oil Spill and Fukushima Daiichi Nuclear Disaster (No. 155582). Michigan State University, Department of Agricultural, Food, and Resource Economics.
- Neilson JD, Loefer J, Prince ED, Royer F, Calmettes B, et al. (2014) Seasonal Distributions and Migrations of Northwest Atlantic Swordfish: Inferences from Integration of Pop-Up Satellite Archival Tagging Studies. *PLoS ONE* 9(11): e112736. doi:10.1371/journal.pone.0112736. pmid:25401964
- Richardson, D.E., K.E. Marancik, J.R. Guyon, M.E. Lutcavage, B. Galuardi, C.H. Lam, H.J. Walsh, S. Wildes, D.A. Yates & J.A. Hare, 2016. Discovery of a spawning ground reveals diverse migration strategies in Atlantic bluefin tuna (*Thunnus thynnus*). *Proceedings of the National Academy of Sciences* 113: 3299-3304.
- Rico-Martínez, R., Snell, T. W., & Shearer, T. L. (2013). Synergistic toxicity of Macondo crude oil and dispersant Corexit 9500A® to the *Brachionus plicatilis* species complex (Rotifera). *Environmental Pollution*, 173, 5-10.
- Schirripa, M.J., F. Abascal, I. Andrushchenko, G. Diaz, J. Mejuto, M. Ortiz, M. Santos & J. Walter, 2016. A hypothesis of a redistribution of North Atlantic swordfish based on changing ocean conditions. *Deep Sea Research Part II: Topical Studies in Oceanography*.

US Government 2011. Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE)/U.S. Coast Guard Joint Investigation Team (14 September 2011). "Deepwater Horizon Joint Investigation Team Releases Final Report".

1.2 Risks of Oil Spills:

- Ainsworth, C.H., et al. 2018. Impacts of the Deepwater Horizon oil spill evaluated using an end-to-end ecosystem model. *PLoS One* 13:e0190840.
- Beyer, J., Trannum, H.C., Bakke, T., Hodson, P.V., and Collier, T.K. 2016. Environmental effects of the Deepwater Horizon oil spill: a review. *Marine Pollution Bulletin* 110:28-51.
- Boehm, P.D., Murray, K.J., and Cook, L.L. 2016. Distribution and attenuation of the polycyclic aromatic hydrocarbons in Gulf of Mexico seawater from the Deepwater Horizon oil accident. *Environmental Science and Technology* 50:584-592.
- Burton, D., M.P. Burton, B. Truscott, and D.P. Idler. 1985. Epidermal cellular proliferation and differentiation in sexually mature male *Salmo salar* with androgen levels depressed by oil. *Proceedings of the Royal Society B* 225:121-128.
- Collier, T.K., Anulacion, B.F., Arkoosh, M.R., Dietrich, J.P., Incardona, J.P., Johnson, L.L., Ylitalo, G.M., and Myers, M.S. 2014. Effects of polycyclic aromatic hydrocarbon (PAH) and naphthenic acid exposures. In: Tierney, K.B., Farrell, A.P., and Brauner, C.J. (Eds.), *Fish Physiology: Organic Chemical Toxicology of Fishes*. Academic Press, pp.195-255.
- COSEWIC. 2010. COSEWIC assessment and status report on the Atlantic Salmon *Salmo salar* (Nunavik population, Labrador population, Northeast Newfoundland population, South Newfoundland population, Southwest Newfoundland population, Northwest Newfoundland population, Quebec Eastern North Shore population, Quebec Western North Shore population, Anticosti Island population, Inner St. Lawrence population, Lake Ontario population, Gaspé-Southern Gulf of St. Lawrence population, Eastern Cape Breton population, Nova Scotia Southern Upland population, Inner Bay of Fundy population, Outer Bay of Fundy population) in Canada. Committee on the Status of Endangered Wildlife in Canada. Ottawa. xlvii + 136 pp. (www.sararegistry.gc.ca/status/status_e.cfm).
- Dupuis, A., and Ucan-Marin, F. 2015. A literature review on the aquatic toxicology of petroleum oil: An overview of oil properties and effects to aquatic biota. Res Doc 2015/007. DFO Canadian Science Advisory Secretariat, Ottawa, ON, Canada.
- Folmar, L.C., Craddock, D.R., Blackwell, J.W., Joyce, G., and Hodgins, H.O. 1981. Effects of petroleum exposure on predatory behaviour of coho salmon (*Oncorhynchus kisutch*). *Environmental Toxicology and Chemistry* 27:458-462.
- Gagnon, M.M., and D.A. Holdway. 2000. EROD induction and biliary metabolite excretion following exposure to the water accommodated fraction of crude oil and to chemically dispersed crude oil. *Archives of Environmental Contamination and Toxicology* 38:70-77.
- Gagnon, M.M., and D.A. Holdway. 1999. Metabolic enzyme activities in fish gills as biomarkers of exposure to petroleum hydrocarbons. *Ecotoxicology and Environmental Safety* 44:92-99.
- Incardona, J.P. 2017. Molecular mechanisms of crude oil developmental toxicity in fish. *Archives of Environmental Contamination and Toxicology* 73:19-32.

- Incardona, J.P., and Scholz, N.L. 2017. Environmental pollution and the fish heart. In: Gamperl, A.K., Gillis, T.E., Farrell, A.P., and Brauner, C.J. (Eds.), *The Cardiovascular System: Development, Plasticity, and Physiological Responses*. Academic Press, pp.373-434.
- International Association of Oil and Gas Producers (IOGP). 2016. Environmental fates and effects of ocean discharge of drill cuttings and associated drilling fluids from offshore oil and gas operations. Report 543, Version 1, March 2016. 145 pp.
- Kennedy, C.J. 2015. Multiple effects of oil and its components in fish. In: Alford, J., Peterson, M., Green, C. (Eds.), *Impacts of Oil Spill Disasters on Marine Habitats and Fisheries in North America*. CRC Press, pp. 3–34.
- Lacroix, G.L. 2013. Population-specific ranges of oceanic migration for Atlantic salmon (*Salmo salar*) documented using pop-up satellite archival tags. *Can. J. Fish. Aquat. Sci.*, 70: 1011-1030.
- Lee, K., Boufadel, M., Chen, B., Foght, J., Hodson, P., Swanson, S., and Venosa, A. 2015. Expert panel report on the behaviour and environmental impacts of crude oil released into aqueous environments. Royal Society of Canada, Ottawa, ON, ISBN 978-1-928140-02-3.
- Meador, J.P., Stein, J.E., Reichert, W.L., and Varanasi, U. 1995. Bioaccumulation of polycyclic aromatic hydrocarbons by marine organisms. *Reviews of Environmental Contamination and Toxicology* 143:79-165.
- National Oceanic and Atmospheric Administration (NOAA). 2014. What are ichthyoplankton? Southwest Fisheries Science Center (SWFSC).
- Popper, A.N and M.C Hastings. 2009. The Effects of human-generated sound on fish. *Integrative Zoology*, 4: 43-52.
- Popper, A.N., A.D. Hawkins, R.R.Fay, D.A. Mann, S. Bartol, T.J. Carlson, S. Coombs, W.T. Ellison, R.L. Genery, M.B. Halvorsen, S. Lokkeborg, P.H. Rogers, B.L. Southall, D.G. Zeddies and W.N. Tavolga. 2014. Sound Exposure Guidelines for Fishes and Sea Turtles. A Technical Report prepared by ANSI-Accredited Standards Committee S3/SC1 and registered with ANSI.
- Prince, R.C. 2015. Oil spill dispersants: boon or bane? *Environmental Science & Technology* 49:6376-6384.
- Reddin, D.G and K.D. Frieland. 1993. Marine environmental factors influencing the movement and survival of Atlantic salmon. International Council for the Exploration of the Sea. Report: C.M 1993/M:42 Ref. C+H Anadromous and Catadromous Fish Committee
- Reynaud, S. and Deschaux, P. 2006. The effects of polycyclic aromatic hydrocarbons on the immune system of fish: a review. *Aquatic Toxicology* 77:229-238.
- Smit, M.G.D., J.E. Tamis, R.G. Jak, C.C. Harman, C. Kjelilen, H. Trannum and J. Neff. 2006. Threshold levels and risk functions for non-toxic sediment stressor; burial, grain size changes and hypoxia. Summary, Environmental Risk Management System, Report 9, THO 2006-BH0046/A Open, 2006.
- Soto, D. X., C. N. Trueman, K. M. Samways, M. J. Dadswell, and R. A. Cunjak. 2018. Ocean warming cannot explain synchronous declines in North

American Atlantic salmon populations. *Marine Ecology Progress Series*. doi: 10.3354/meps12674.

Thorstad, E.B., Whoriskey, F., Uglem, I., Moore, A., Rikardsen, A.H., and Finstad, B. 2012. A critical life stage of the Atlantic salmon *Salmo salar*: behaviour and survival during the smolt and initial post-smolt migration. *Journal of Fish Biology* 81:500-542.

Xia, X., Li, H., Yang, Z., Zhang, X., and Wang, H. 2015. How does predation affect the bioaccumulation of hydrophobic organic compounds in aquatic organisms? *Environmental Science & Technology* 49:4911-20.