JOINT NAMMCO SCIENTIFIC COMMITTEE WORKING GROUP ON THE POPULATION STATUS OF NARWHAL AND BELUGA IN THE NORTH ATLANTIC

and the

CANADA/GREENLAND JOINT COMMISSION ON CONSERVATION AND MANAGEMENT OF NARWHAL AND BELUGA SCIENTIFIC WORKING GROUP

Joint Disturbance Workshop

12-16 December 2022
Greenlandic Representation
Copenhagen, Denmark

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JWG/2022/04	Huge narwhal displacement following ship traffic increase in the Canadian Arctic Archipelago. Witting, L. 2022.	3.4, 4.6 & 5
JWG/2022/05	Narwhal behavioural response to vessels: is 120dB the best gauge for assessing disturbance. Jones, J. M. and Westdal, K. 2022.	4.5.2
JWG/2022/06	Key factors dictating the price of disturbance for narwhals. Heide-Jørgensen, M.P., Tervo, O. and Williams, T. 2022.	2.8 & 5.4
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JWG/2022/FI05	Heide-Jørgensen et al. (2021). *Behavioral Response Study on Seismic Airgun and Vessel Exposures in Narwhals*. Frontiers in Marine Science, 8, 658173. https://doi.org/10.3389/fmars.2021.658173	2.2
JWG/2022/FI06	Tervo et al. (2021). *Narwhals react to ship noise and airgun pulses embedded in background noise.* Biology Letters, 17(11), 20210220. https://doi.org/10.1098/rsbl.2021.0220	2.4
JWG/2022/FI07	Williams, T. M. et al. (2017). *Paradoxical escape responses by narwhals (Monodon monoceros)*. Science, 358(6368), 1328–1331. https://doi.org/10.1126/science.aao2740	2
JWG/2022/FI08	Williams, T. M. et al. (2022). *Physiological responses of narwhals to anthropogenic noise: A case study with seismic airguns and vessel traffic in the Arctic.* Functional Ecology, 36(9), 2251–2266. https://doi.org/10.1111/1365-2435.14119	2.5
JWG/2022/FI09	Garde, E., et al. (2018). *Diving behavior of the Atlantic walrus in high Arctic Greenland and Canada.* Journal of Experimental Marine Biology and Ecology, 500, 89–99. https://doi.org/10.1016/j.jembe.2017.12.009	5 & 6
JWG/2022/FI10	Heide-Jørgensen, M. P. et al. (2017). *Walrus Movements in Smith Sound: A Canada–Greenland Shared Stock*. ARCTIC, 70(3), 308. https://doi.org/10.14430/arctic4661	6.3
JWG/2022/FI11	Aariak E., & Olson, R. (2019). Qikiqtani Inuit Association's Tusaqtavut for Phase 2 Application of the Mary River Project. Final Report.	4
JWG/2022/FI12	Gomez, C.,et al. (2016). *A systematic review on the behavioural responses of wild marine mammals to noise: The disparity between science and policy*. Canadian Journal of Zoology, 94(12), 801–819. https://doi.org/10.1139/cjz-2016-0098	2,3,4,5 & 6
JWG/2022/FI13	McKenna, M. F., et al. (2012). *Underwater radiated noise from modern commercial ships.* The Journal of the Acoustical Society of America, 131(1), 92–103. https://doi.org/10.1121/1.3664100	2,3,4,5 & 6
JWG/2022/FI14	Southall, B. L., et al. (2021). *Marine Mammal Noise Exposure Criteria: Assessing the Severity of Marine Mammal Behavioral Responses to Human Noise.* Aquatic Mammals, 47(5), 421–464. https://doi.org/10.1578/AM.47.5.2021.421	2,3,4,5 & 6
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JWG/2022/FI18	Wegeberg, S., Boertmann, D., Blockley, D. Nymand, J. & Mosberg A. 2020. Høringssvar vedr. Dundas Ilmenite Project og selskabets VVM af aktiviteterne. Aarhus Universitet, DCE – Nationalt Center for Miljø og Energi, 7 s. - Fagligt notat nr. 2020|49 https://dce.au.dk/fileadmin/dce.au.dk/Udgivelser/Notatet_2020/N2020_49.pdf	6

JWG/2022/FI19	Halliday, W. D., et al. (2022). *Overlap between bowhead whales (Balaena mysticetus) and vessel traffic in the North American Arctic and implications for conservation and management.* Biological Conservation, 276, 109820. https://doi.org/10.1016/j.biocon.2022.109820	3
JWG/2022/FI20	Recommendations from the Technical Group on Underwater Noise (TG Noise). MSFD Common Implementation Strategy Technical Group on Underwater Noise (TG NOISE). Methodology report. Deliverable 3, 2021.	2 to 7
JWG/2022/FI21	Setting of EU Threshold Values for impulsive underwater sound Recommendations from the Technical Group on Underwater Noise (TG Noise). MSFD Common Implementation Strategy. Technical Group on Underwater Noise (TG NOISE). Deliverable 2, 2022.	2 to 7
JWG/2022/FI22	Setting of EU Threshold Values for continuous underwater sound Recommendations from the Technical Group on Underwater Noise (TG Noise). MSFD Common Implementation Strategy. Technical Group on Underwater Noise (TG NOISE). Deliverable 4, 2022.	2 to 7
JWG/2022/FI23	MSFD Common Implementation Strategy. Technical Group on Underwater Noise (TG-NOISE). Towards threshold values for underwater noise. Common methodology for assessment of impulsive underwater noise. Current state of the art Deliverable 1 of the work programme of TG Noise 2020-2022.	2 to 7