

BIJLAGE 1
LITERATUURLIJST



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Hoofdstuk 1-4

ECN, Quick scan of energy production and wake losses of the Borssele Wind Farm Zone including losses for nearby Belgian Wind Farms', april 2015

EU, Stappenplan Energie 2050, december 2011.

IMARES, vogelgevoeligheids- of vogelrisicokaart, 2010/2015.

Kamerstukken II, 2013–14, 31 510, nr. 49

Kamerstukken II, 2013/14, 33 450, nr. 22

Kamerstukken II, 2014/15, 21 501-20, nr. 922.

Kamerstukken II, 2014/15, 34 058.

Kamerstukken I/II, 2014/15, 33 561, A/nr. 11 (herdruk).

Kamerstukken II, 2014/15, 33 561, nr. 12.

Kamerstukken II, 2014–15, 33 561, nr. 19

Kamerstukken I/II, 2015-16, 34.401

Ministerie van Infrastructuur en Milieu, Beleidsnota Noordzee 2016-2021, 2015

Ministerie van Infrastructuur en Milieu (2011), Integraal Beheerplan Noordzee 2015.

Ministerie van Infrastructuur en Milieu, Nationaal Waterplan (2016-2021), NWP2, 2015

Ministerie van Infrastructuur en Milieu, Rijksstructuurvisie Windenergie op Zee, partiële herziening van het NWP1, 26 september 2014 (Kamerstukken I/II, 2014/15, 33 561, A/nr. 11 (herdruk) Kamerstukken II 2013/14, 31 510, nr. 49.

Ministerie van Infrastructuur en Milieu, Rijksstructuurvisie Windenergie op Zee aanvulling gebied Hollandse Kust, 2016

Ministerie van Infrastructuur en Milieu (2012), Structuurvisie Infrastructuur en Milieu, Nederland, concurrerend, bereikbaar, leefbaar en veilig.

Ministerie van V&W, VROM en LNV, Beleidsnota Noordzee, 2009.

Ministerie van V&W, VROM en LNV (2009), Nationaal Waterplan 2009-2015, NWP1, 22 december.

Richtlijn 2009/28/EG (PbEG 2009, L140/16)

RoyalHaskoningDHV en Grontmij, PlanMER en PB windenergie op zee binnen 12mijlszone, 2016

RVO, Handboek Risicozonering windturbines, 2014

SER, Energieakkoord voor duurzame groei, 2013.

Vanosmael, C., K.A. Willems, D. Claeys, M. Vincx & C. Heip 1982. Macrobenthos of a sublittoral sandbank in the South-ern Bight of the North Sea. J. mar. biol. Ass. U.K. 62: 521-534

www.internetconsultatie.nl/scenario_windenergie_op_zee

Hoofdstuk 5 Morfologie en hydrologie

Chakrabarti, S.K. (1987) Hydronamics of offshore structures, WitPress, Billerica USA

Danish Hydraulic Institute (1999) Horns Rev Wind Power Plant, Environmental impact assessment of hydrography.

Hoffman, C.J.C.M. en H.J. Verheij, Scour Manual, A.A. Balkema Publications
Korevaar, 1990

Lorenz J.C, Teufel, L.W. Warpinski, N.R. (1991) Regional fractures I: a mechanism for the formation of regional fractures at depth in flat laying reservoirs.

Niessen, A.C.H.M. en Schüttenhelm, R.T.L, 1986 - Oppervlakedelfstoffen/Raw materials at or near the surface. Rijks Geologische Dienst, Haarlem, map.

Rijkswaterstaat (2013) Kustlijnkaarten; Geplande suppleties 2013 ten behoeve van de Kustlijnzorg (50000)

Roelvink, J.A., T. van der Kaaij, B. G. Ruessink, 2001. Calibration and verification of largescale 2D/3D flow models. Phase 1, Parcel 2, Subproduct 2, ONL FLYLAND report

Royal Haskoning (2005) EIS, SEA and Habitat Assessment for BritNed Interconnector

Salden, R.M., 1998. Een model voor het transport van slib in de Nederlandse kustzone. Een hulpmiddel naar scenario studies naar kustuitbreidingsplannen. Rapportage van SILTMAN deelprojecten 11 & 14. OS-98.119X, RIKZ

Schuttenhelm, R. T. E. (2002). Grain-size variability and crest stability of a North Sea sandwave in space and time. TNO Report 02-219-B, Netherlands Institute of Applied Geosciences, Utrecht, The Netherlands.

Segeren, M.L.A. 2011. Influence of a Boatlanding and J-tubes on Wave Loads and Wall Thickness of the Monopile Support Structure Design. Offshore Wind, Faculty of Civil Engineering and Geosciences, Delft University of Technology. Delft, The Netherlands.

Suijlen, J.M. and R.N.M. Duin. Variability of near-surface total suspended matter concentration in the Dutch Coastal Zone. Rijkswaterstaat, RIKZ, Report RIKZ/OS/2001.150X: 33 p. + appendix

Veen, van der. H.H. (2008) Natural and human induced seabed evolution : the occurrence of large-scale bad patterns and the effects of human activities on the North Sea seabed, Enschede

Van Heteren, S., Characterization of sediment composition at sand-mining locations for Flyland, MARE Marine Ecology and Morphology Sub-product 2.1. TNO-report NITG 02-148-B, 12 p.

Weerst, A.H. & F.L.M. Diermanse. Golfstatistiek op relatief diep water 1979-2002. WL|Delft. Rapport Q3770, december 2004

Wijnberg, K.M. Morphological behaviour of a barred coast over a period of decades. Ph. D. thesis Utrecht University.

Stroomatlas Zuidelijke Noordzee, 1999 Versie 3

Hoofdstuk 6 Vogels (zie ook de literatuurlijst die bij bijlage 4 hoort)

Arts, F.A. 2013. Trends en verspreiding van zeevogels en zeezoogdieren op het Nederlands Continentaal Plat 1991 – 2012. RWS-Centrale Informatievoorziening BM 13.28, Lelystad.

Baerwald, E.F., G.H. D'Amours, B.J. Klug & R.M.R. Barclay, 2008. Barotrauma is a significant cause of bat fatalities at wind turbines. *Current Biology* 18: R695-696.

Boshamer, J.P.C., & J.P. Bekker, 2008. Nathusius' pipistrelles (*Pipistrellus nathusii*) and other species of bats on offshore platforms in the Dutch sector of the North Sea. *Lutra* 51: 17-36.

Bouma S., & W. Lengkeek 2009. Development of underwater flora- and fauna communities on hard substrates of the offshore wind farm Egmond aan Zee (OWEZ). Report OWEZ_R_266_T1_20090126.

Bouma S. & W. Lengkeek 2012. Benthic communities on hard substrates of the offshore wind farm Egmond aan Zee (OWEZ). Including results of samples collected in scour holes. Report OWEZ_R_266_T1_20120206_hard_substrate.

Bradbury, G., Trinder, M., Furness, B., Banks, A.N., Caldow, R.W.G., Hume, D. 2014. Mapping Seabird Sensitivity to Offshore Wind Farms. *PLoS ONE* 9(9): e106366. doi:10.1371/journal.

pone.0106366

Bruynzeel, L.W., J. van Belle, L. Davids m.m.v F. van de Laar 2009. The impact of conventional illumination of offshore platforms in the North Sea on migratory bird populations. A&W report 1227, Altenburg & Wymenga Ecological Consultants, Veenwouden, 38 p.

Collier, M.P., S. Dirksen & K.L. Krijgsveld, 2011. A review of methods to monitor collisions or micro-avoidance of birds with offshore wind turbines. Part 1: Review. Strategic Ornithological Support Services Project SOSS-03A. Rapport 11-078. Bureau Waardenburg, Culemborg.

Collier, M.P., S. Dirksen & K.L. Krijgsveld, 2012. A review of methods to monitor collisions or micro-avoidance of birds with offshore wind turbines: Part 2: Feasibility study of systems to monitor collisions. Strategic Ornithological Support Services Project SOSS-03A. Rapport 11-215. Bureau Waardenburg, Culemborg.

Cryan P.M. & R.M.R. Barclay, 2009. Causes of bat fatalities at wind turbines: hypotheses and predictions. *Journal of Mammalogy* 90: 1330–1340.

Cryan, P.M., P. M. Gorresen, C. D. Hein, M. R. Schirmacher, R.H. Diehl, M.M. Huso, D.T.S. Hayman, P.D. Fricker, F.J. Bonaccorso, D.H. Johnson, K. Heist & D.C. Dalton, 2014. Behavior of bats at wind turbines. *PNAS* 111(42): 15126-15131.

Dietz, C., O. von Helversen & D. Nill 2011. Vleermuizen. Alle soorten van Europa en Noordwest Afrika. Originele titel: *Handbuch der Fledermause Europas und Nordwestafrikas*. De Fontein / Tirion Natuur, Utrecht.

Drewitt, A.L. & R.H.W. Langston, 2006. Assessing the impacts of wind farms on birds. *Ibis* 148: 29-42.

Everaert, J. & E. Stienen, 2007. Impact of wind turbines on birds in Zeebrugge (Belgium). Significant effect on breeding tern colony due to collisions. *Biodiversity and Conservation* 16: 3345-3359.

Exo, K.M., O. Hüppop & S. Garthe. 2002. Offshore-Windenergieanlagen und Vogelschutz, Seevögel, Zeitschr, Verein Jordsand, Hamburg. 23: 83-95.

Fijn, R.C., K.L. Krijgsveld, M.J.M. Poot & S. Dirksen, 2015. Bird fluxes at risk altitudes in a Dutch offshore wind farm continuously measured with vertical radar. *Ibis* 157: 558-566.

Gyimesi, A. & R.C. Fijn, 2015a. Slachtofferberekeningen voor een windpark met een totaalvermogen van 380 MW in Kavel I of II in windenergiegebied Borssele. Bureau Waardenburg notitie 15.03297.

Gyimesi, A. & R.C. Fijn, 2015b. Slachtofferberekeningen voor windparken in de zuidelijke Noordzee met bestaande en geplande turbinetypes. Bureau Waardenburg notitie 15.03620.

- Gyimesi, A., M. Dorenbosch, J.W. de Jong, M. Boonman M. Teunis & R.C. Fijn, 2016b. Achtergronddocument ten behoeve van MER en PB windenergiegebied Hollandse Kust. Kavel I en II: vogels, vleermuizen, vissen en benthos. Rapport 16-007. Bureau Waardenburg, Culemborg.
- Haan, D. de, D. Burggraaf, S. Ybema & R. HilleRisLambers 2007. Underwater sound emissions and effects of the pile driving of the OWEZ windfarm facility near Egmond aan Zee (Tconstruct). Report OWEZ_R_251_TC 20071029, Imares Wageningen UR.
- Hal, R. van, B. Couperus, S. Fassler, S. Gastauer, B. Griffioen, N. Hintzen, L. Teal, O. van Keeken & E. Winter 2012. Monitoring- and Evaluation Program Near Shore Wind farm (MEPNSW). Fish community. IMARES Report C059/12. OWEZ_R_264_T1_20121215_final_report_fish. Imeres Wageningen UR.
- Hill, R., K. Hill, R. Aumuller, A. Schulz, T. Dittman, C. Kulekmeyer & T. Coppack 2014. Of birds, blades and barriers: Detecting and analysing mass migration events at alpha ventus. In: BSH & BMU 2014. Ecological Research at the Offshore Windfarm alpha ventus. Challenges, Results and Perspectives. Federal Maritime and Hydrographic Agency (BSH), Federal Ministry for the Environment, Nature Conservation and Nuclear Safety (BMU). Springer Spektrum.
- Jain, A.A., R.R. Koford, A.W. Hancock & G.G. Zenner, 2011. Bat mortality and activity at a northern Iowa wind resource area. *American Midland Naturalist* 165: 185-200.
- Jansen, H.W. & C.A.F. de Jong 2014. Underwater noise measurements in the North Sea in and near the Princess Amalia Wind Farm in operation. TNO report - TNO 2013 R11916. Den Haag, the Netherlands.
- Johnston, A., A.S.C.P. Cook, L.J. Wright, E.M. Humphreys & N.H.K. Burton 2014, Modelling flight heights of marine birds to more accurately assess collision risk with offshore wind turbines. *Journal of Applied Ecology* 51: 31–41. doi: 10.1111/1365-2664.12191
- Jonge Poerink, B., Lagerveld, S. & H. Verdaat, 2013. Pilot study Bat activity in the Dutch offshore wind farm OWEZ and PAWP. IMARES report number C026/13. The Fieldwork Company report number 20120402. IMARES Wageningen UR.
- Krijgsveld, K.L., R.C. Fijn & R. Lensink, 2015. Occurrence of peaks in songbird migration at rotor heights of offshore wind farms in the southern North Sea. Report nr 15-119. Bureau Waardenburg, Culemborg
- Krijgsveld K.L. 2014. Avoidance behaviour of birds around offshore wind farms. Overview of knowledge including effects of configuration. Report Bureau Waardenburg 13-268, 30p., Bureau Waardenburg, Culemborg, Netherlands.
- Krijgsveld K.L., R.C. Fijn, M. Japink, P.W. van Horssen, C. Heunks, M.P. Collier, M.J.M. Poot, D.Beuker & S. Dirksen 2011. Effect studies Offshore Wind Farm Egmond aan Zee: Final report on fluxes, flight altitudes and behaviour of flying birds. NoordzeeWind report nr OWEZ_R_231_T1_20111114_flux&flight. Report nr 10-219. Bureau Waardenburg, Culemborg.

Larsen, J.K. & M. Guillemette, 2007. Effects of wind turbines on flight behaviour of wintering common eiders: implications for habitat use and collision risk. *Journal of Applied Ecology* 44: 516-522.

Lensink R. & J. van der Winden 1997. Trek van niet-zeevogels langs en over de Noordzee: een verkenning. Rapport 97-023, Bureau Waardenburg, Culemborg.

Lensink, R. & P.W. van Horssen, 2012. Een matrixmodel om effecten op een populatie te voorspellen van slachtoffers door windturbines. Rapport 11-198. Bureau Waardenburg, Culemborg.

Leopold, M.F. & C.J. Camphuysen. 2007. Did the pile driving during the construction of the Offshore Wind Farm Egmond aan Zee, the Netherlands, impact local seabirds. Rapport Wageningen.IMARES Nr. C062/07 - NoordzeeWind Rapport OWEZ_R_221_Tc_20070525 aan Nuon Energy Sourcing.

Leopold M.F., E.M. Dijkman, L. Teal & the OWEZ-team 2010. Local birds in and around the Offshore Wind Farm Egmond aan Zee (OWEZ). NoordzeeWind rapport OWEZ_R_221_T1_20100731_local_birds. Imares / NoordzeeWind, Wageningen / IJmuiden.

Leopold, M.F., R. van Bemmelen, A. Zuur. 2012. Responses of Local Birds to the Offshore Wind Farms PAWP and OWEZ off the Dutch mainland coast. IMARES Report nr. C151/12. IMARES, IJmuiden.

Leopold M.F., E.M. Dijkman, E. Winter, R. Lensink & M.M. Scholl. 2013. "Windenergie binnen 12 mijl" in relatie tot ecologie. Rapport C034b/13. Imares Wageningen UR, Wageningen.

Leopold, M.F., M.P. Collier, A. Gyimesi, R. Jongbloed, M.J.M. Poot, J. Tjalling van der Wal & M. Scholl, 2015. Iteration cycle: Dealing with peaks in counts of birds following active fishing vessels when assessing cumulative effects of offshore wind farms and other human activities in the Southern North Sea. Additional note to IMARES report number C166/14. Imares Wageningen UR / Bureau Waardenburg Culemborg.

Leopold, M.F., M. Booman, M.P. Collier, N. Davaasuren, R.C. Fijn, A. Gyimesi, J. de Jong, R. Jongbloed, B. Jonge Poerink, J.C. Kleyheeg-Hartman, K.L. Krijgsveld, S. Lagerveld, R. Lensink, M.J.M. Poot, J. Tjalling van der Wal & M. Scholl. 2015. A first approach to deal with cumulative effects on birds and bats of offshore wind farms and other human activities in the Southern North Sea. Report number C166/14. Imares Wageningen UR, Wageningen.

Limpens, H.J.G.A., M. Boonman, F. Korner-Nievergelt, E.A. Jansen, M. van der Valk, M.J.J. La Haye, S. Dirksen & S.J. Vreugdenhil, 2013. Wind turbines and bats in the Netherlands – Measuring and predicting. Report 2013.12, Zoogdierverseniging & Bureau Waardenburg.

Lindeboom, H.J., Kouwenhoven, H.J., Bergman, M.J.N, Bouma, S., Brasseur, S., Daan, R., Fijn, R.C., de Haan, D., Dirksen, S., van Hal, R., Hille Ris Lambers, R., ter Hofstede, R., Krijgsveld, K.L., Leopold M. & Scheidat M. 2011. Short-term ecological effects of an offshore

wind farm in the Dutch coastal zone; a compilation. *Environmental Research Letters* 6 035101
doi: 10.1088/1748-9326/6/3/035101.

LWVT/SOVON 2002. *Vogeltrek over Nederland 1976-1993*. Schuyt & Co, Haarlem.

Maclean, I.M.D., Wright, L.J., Showler, D.A. & M.M. Rehfisch, 2009. A review of assessment methodologies for offshore windfarms. BTO Report commissioned by COWRIE Ltd.

Marquenie, J., van der Laar, F., Poot, H. 2009. Groen Licht voor Vogels. *De Levende Natuur* 110(6): 290-291.

Marquenie, J., van der Laar, F., Poot, H. 2009. Groen Licht voor Vogels. *De Levende Natuur* 110(6): 290-291.

Masden, E. A., Haydon, D. T., Fox, A. D., Furness, R. W., Bullman, R., and Desholm, M. 2009. Barriers to movement: impacts of wind farms on migrating birds. – *ICES Journal of Marine Science*, 66: 746–753.

Masden, E.A. & A. Cook, 2016. Avian collision risk models for wind energy impact assessments. *Environmental Impact Assessment Review* 56: 43-49.

Masden, E.A., Reeve, R., Desholm, M., Fox, A. D., Furness, R.W., Haydon, D.T. 2012. Assessing the impact of marine wind farms on birds through movement modelling. *Journal of The Royal Society Interface* 9: 2120-2130.

May, R, O. Reitan, K. Bevanger, S.-H. Lorentsen & T. Nygård 2015. Mitigating wind-turbine induced avian mortality: Sensory, aerodynamic and cognitive constraints and options. *Renewable and Sustainable Energy Reviews* 42: 170-181.

Mitchell, P.I., Newton, S.F., Ratcliffe, N. & Dunn, T.E. 2004. *Seabird populations of Britain and Ireland: results of the Seabird 2000 census (1998-2002)*. T. and A.D. Poyser, London. Nelson, J.B. 1978. *The gannet*. T & AD Poyser, Berkhamsted, Herts.

Morris S. 2014. <http://www.theguardian.com/environment/2014/jan/20/thumb-sized-bat-crosses-english-channel>.

Nagy S., Petkov N., Rees E., Solokha A., Hilton G., Beekman J. & Nolet B. 2012. *International Single Species Action Plan for the Conservation of the Northwest European Population of Bewick's Swan (Cygnus columbianus bewickii)*. AEWA Technical Series No. 44. Bonn, Germany.

Niermann, I., R. Brinkmann, F. Korner-Nievergelt & O. Behr, 2011. Systematische Schlagopfersuche - Methodische Rahmenbedingungen, statistische Analyseverfahren und Ergebnisse. In Brinkmann et al. 2011.

Petersen I.K. & Fox A.D. 2007. Changes in bird habitat utilisation around the Horns Rev 1 offshore wind farm, with particular reference on Common Scoter. NERI Report. National Environmental Research Institute, Ministry of the Environment, Rønde, Denmark.

Petersen, I.K., T.K. Christensen, J. Kahlert, M. Desholm & A.D. Fox, 2006. Final results of bird studies at the offshore wind farms at Nysted and Horns Rev, Denmark. NERI Report National Environmental Research Institute, Ministry of the Environment, Rønde, Denmark.

Plonczkier P. & I.C. Simms 2012. Radar monitoring of migrating pink-footed geese: behavioural responses to offshore wind farm development. *Journal of Applied Ecology* 49: 1187-1194. doi: 10.1111/j.1365-2664.2012.02181.x.

Poot, H., B.J. Ens, H. de Vries, M.A.H. Donners, M.R. Wernand & J.M. Marquenie 2008. Green light for nocturnally migrating birds. *Ecology and Society* 13(2): 47.

Poot M.J.M., R.C. Fijn R.J. Jonkvorst C. Heuncks M.P. Collier, J. de Jong & P.W. van Horssen. 2011. Aerial surveys of seabirds and marine mammals in the Dutch North Sea May 2010 – April 2011. Distribution in relation to future offshore wind farms. Report 10-235. Bureau Waardenburg, Culemborg.

Reid, J.B. & C.J. Camphuysen 1998. The European Seabirds at Sea database. *Biol. Cons. Fauna* 102: 291.

Rijkswaterstaat 2015. Kader Ecologie en Cumulatie t.b.v. uitrol windenergie op zee Deelrapport B - Bijlage Imares onderzoek Cumulatieve effecten op vogels en vleermuizen. Ministerie van Economische Zaken en ministerie van Infrastructuur en Milieu, Den Haag.

Rijkswaterstaat 2016. Kader Ecologie en Cumulatie t.b.v. uitrol windenergie op zee Deelrapport B - Beschrijving en beoordeling van cumulatieve effecten bij uitvoering van de Routekaart Windenergie op zee. Update 2016. Ministerie van Economische Zaken en ministerie van Infrastructuur en Milieu, Den Haag.

Rodgers, J. A. and Schwikert, S. T. (2002) Buffer-zone distances to protect foraging and loafing waterbirds from disturbance by personal watercraft and outboard-powered boats. *Conserv. Biol.* 16: 216–224.

Rydell, J., L. Bach, M.-J. Bubourg-Savage, M. Green, L. Rodrigues, & A. Hedenström, 2010a. Bat mortality at wind turbines in Northwestern Europe. *Acta Chiropterologica* 12: 261–274.

Rydell, J., L. Bach, M.-J. Bubourg-Savage, M. Green, L. Rodrigues, & A. Hedenström, 2010b. Mortality of bats at wind turbines links to nocturnal insect migration? *European Journal of Wildlife Research* 56: 823-827.

Rydell, J., L. Bach, P. Bach, L. Guia Diaz, J. Furmankiewicz, N. Hagner-Wahlsten, E.-M. Kyheröinen, T. Lilley, M. Masing, M. Max Meyer, G. Pētersons, J. Šuba, V. Vasko, V. Vintulis, & A. Hedenström, 2014. Phenology of Migratory Bat Activity Across the Baltic Sea and the South-Eastern North Sea. *Acta Chiropterologica* 16(1): 139-147.

Schwemmer, P., Mendel, B., Sonntag, N., Dierschke, V. and Garthe, S. (2011) Effects of ship traffic on seabirds in offshore waters: implications for marine conservation and spatial planning.

Ecol. Appl. 21: 1851–1860.

Skov, H., S. Heinänen & M. Lazcny, 2015a. Offshore Wind Farm Eneco Luchterduinen Ecological monitoring of seabirds TConstr report. ENECO

Skov, H., S. Heinänen, L. Nyborg & M. Lazcny, 2015b. Offshore Wind Farm Eneco Luchterduinen Ecological monitoring of seabirds T0 report. ENECO

Tasker, M.L., Jones, P.H., Dixon, T.J. & Blake, B.F. 1984 Counting seabirds at sea from ships: a review of methods employed and a suggestion for a standardized approach. Auk 101, 567-577.

Van der Laar, F. 2007. Green light to birds: investigation into the effect of bird-friendly lighting. Report NAM location L15-FA-1. NAM, Assen, The Netherlands.

Van der Wal, J.T., A. Gyimesi, R.C. Fijn & M. Scholl, 2015. 2nd Iteration: Effect of turbine capacity on collision numbers for three large gull species, based on revised density data, when assessing cumulative effects of offshore wind farms on birds in the Southern North Sea. Additional note to IMARES report number C166/14.

Vanermen N., E.W.M. Stienen, W. Courtens, T. Onkelinx, M. Van de Walle & H. Verstraete 2013. Bird monitoring at offshore wind farms in the Belgian part of the North Sea - Assessing seabird displacement effects. Rapport van het Instituut voor Natuur- en Bosonderzoek 2013 (INBO.R.2013.755887). INBO, Brussel.

Vanermen N., T. Onkelinx, W. Courtens, M. Van de Walle, H. Verstraete & E.W.M. Stienen, 2014. Seabird avoidance and attraction at an offshore wind farm in the Belgian part of the North Sea. Hydrobiologia doi: 10.1007/s10750-014-2088-x.

Walls, R., S. Canning, G. Lye, L. Givens, C. Garrett & J. Lancaster 2013. Analysis of Marine Environmental Monitoring Plan Data from the Robin Rigg Offshore Wind Farm, Scotland. (Operational Year 1). E.ON Climate & Renewables & Natural Power publication 1022038.

Winter, H.V., G. Aarts & O.A. van Keeken 2010. Residence time and behaviour of sole and cod in the Offshore Wind farm Egmond aan Zee (OWEZ). Report number OWEZ_R_265_T1_20100916. Imares Wageningen UR.

<http://bd.eionet.europa.eu/article17/reports2012>

Hoofdstuk 7 Onderwaterleven (zie ook de literatuurlijst die bij bijlage 5 hoort)

ASCOBANS, 2011. Summary Record of the 18th Meeting of the Advisory Committee. UN Campus, Bonn, Germany, 4-6 May 2011.

BELLMANN, M. (2012): Die technische Entwicklung von Schallminderungstechnologien: Stand der For-schung (?). Presentation „Minimierung von Unterwasserschall bei der Gründung von Offsho-re-Windenergieanlagen: Anforderungen und Möglichkeiten“, IHK Rostock, 28 March 2012. <http://www.offshore->

stiftung.com/60005/Uploaded/OffshoreStiftung|20120328HROSOWSchallschutz2Bellmann.pdf (15.11.2012)

Bergman M., G. Duineveld, R. Daan, M. Mulder & S. Ubels, 2012. Impact of OWEZ wind farm on the local macrobenthos community macrobenthos. Final report OWEZ_R_261_T2_20121010. NoordzeeWind – Wageningen Imares.

Booman C, Dalen J, Leivestad H, Levsen A, van der Meeren T et al (1996) Effekter av luftkanonskyting pa egg, larver og yngel. Undersokelser ved Havforskningsinstituttet og Zoologisk Laboratorium UIB. Rapport Fisken og Havet Nr. 3-1996. Bergen: Havforskningsinstituttet.

Boon, A.R., S. Dirksen, M.F. Leopold & A. Brenninkmeier. 2012. A methodological update of the Framework for the Appropriate Assessment of the ecological effects of Offshore Windfarms at the Dutch Continental Shelf. Deltares.

Bolle LJ, de Jong CAF, Bierman SM, van Beek PJG, van Keeken OA, Wessels PW et al. (2012) Common Sole Larvae Survive High Levels of Pile-Driving Sound in Controlled Exposure Experiments. PLoS ONE 7(3): e33052. doi:10.1371/journal.pone.0033052

Bolle, L.J., E. Blom, C.A.F. de Jong, M.B. Halvorsen, R. Hoek, C.J.G van Damme, P.W. Wessels, H.V. Winter, C.M. Woodley, C. Hinrichs, T. Huijjer, M. Lohman, I. Pennock, 2014. Sub-lethal effects of pile-driving sounds on juvenile sea bass. Imares WageningenUR report number C111.14, IJmuiden, Nederland.

Bos O.G., R. Witbaard, M. Lavaleye, G. van Moorsel, L.R. Teal, R. van Hal, T. van der Hammen, R. ter Hofstede, R. van Bemmelen, R.H. Witte, S. Geelhoed & E.M. Dijkman, 2011. Biodiversity hotspots on the Dutch Continental Shelf. IMARES Wageningen UR. Report number C071/11.

Bouma S., & W. Lengkeek 2009. Development of underwater flora- and fauna communities on hard substrates of the offshore wind farm Egmond aan Zee (OWEZ). Report OWEZ_R_266_T1_20090126

Brasseur, S. Aarts, G. Meersters, E. Polanen Petel, t. van, Dijkman, E. Cremer, J. & Reijnders, P. Habitat preferences of harbour seals in the Dutch coastal area: analysis and estimate of effects of offshore wind farms (2012). Rapport: OWEZ R 252 T1 20120130, 30-01-2012.

Camphuysen & Siemensma, Conservation plan for the Harbour Porpoise Phocoena phocoena in The Netherlands, 2011.

Casper, B.M., Popper, A.N., Matthews, F., Carlson, T.J., Halvorsen, M.B. 2012. Recovery of Barotrauma Injuries in Chinook Salmon from Exposure to Pile Driving Sound. PLoS ONE 7: e39593

Casper BM, Halvorsen MB, Matthews F, Carlson TJ, Popper AN 2013. Recovery of Barotrauma Injuries Resulting from Exposure to Pile Driving Sound in Two Sizes of Hybrid Striped

Bass. PLoS ONE 8: e73844. doi:10.1371/journal.pone.0073844 De Robertis et al., 2003

Couperus, B., E. Winter, O. van Keeken, T. van Kooten, S. Tribuhl & D. Burggraaf, 2010. Use of high resolution sonar for near_turbine fish observations (DIDSON) – We@Sea 2007_002. IJmuiden, IMARES

Craeymeersch J.A., Witbaard R., Dijkman E., Meesters H.W.G., 2008. Ruimtelijke en temporele patronen in de diversiteit van macrobenthische infauna op het Nederlands Continentaal Plat. Report number C070/80 IMARES.

Daan N., 2005. Aanzet tot een systeembeschrijving Noordzee: de visgemeenschap. RIVO rapport C012/05.

Daan R., Mulder M & Bergman M.J.N., 2009. Impact of windfarm OWEZ on the local macrobenthos community. Report OWEZ_R_261_T1_20091216.

Debusschere E, De Coensel B, Bajek A, Botteldooren D, Hostens K, Vanaverbeke J et al. (2014) In Situ Mortality Experiments with Juvenile Sea Bass (*Dicentrarchus labrax*) in Relation to Impulsive Sound Levels Caused by Pile Driving of Windmill Foundations. PLoS ONE 9(10): e109280. doi:10.1371/journal.pone.0109280

ELMER, K.-H., BETKE, K. & NEUMANN, T. (2007a): Standardverfahren zur Ermittlung und Bewertung der Belastung der Meeresumwelt durch die Schallimmission von Offshore-Windenergieanlagen: SCHALL2. - Project 0329947 final report. The German Federal Environment Ministry.
NEUBER & UHL 2012

FRÜHLING, I., NEUBER, M., OVERDICK, E., ROLFS, M. SCHMUGLER, J., SCHÖNHERR, J. & TSAKONAKIS, A. (2011): Abschlussbericht zum Forschungsvorhaben "Konzeptstudie zur Entwicklung einer neuartigen Gründungstechnologie unter Einbeziehung von Errichtungslogistik (Teilprojekt 1) und Schall-schutz (Teilprojekt2)". FKZ 0325142. 71 pp.
LEE et al. 2012

Geelhoed, S., Scheidat, M., Aarts, G., van Bemmelen, R., Janinhoff, N., Verdaat, H. & Witte, R., 2011. Shortlist masterplan wind aerial surveys of harbour porpoises on the Dutch Continental Shelf. IMARES, Wageningen Report number C103/11.

Geelhoed, S.C.V., Scheidat, M., van Bemmelen, R.S.A. & Aarts, G., 2013. Abundance of harbour porpoises (*Phocoena phocoena*) on the Dutch Continental Shelf, aerial surveys in July 2010- March 2011. *Lutra* 56(1): 45-57.

Geelhoed, S.C.V., Scheidat, M., van Bemmelen, 2014, Marine mammal surveys in Dutch waters in 2013, Report number C027/14.

GERKE, P. & BELLMANN, M. (2012): Offshore Windpark „Riffgat“. Messung der Bauschallimmissionen. Itap Projekt Nr.: 1924-12-e-pg, 40 S, commissioned by Offshore-Windpark Riffgat GmbH & Co KG

Govoni JJ, West MA, Settle LR, Lynch RT, Greene MD (2008) Effects of underwater explosions on larval fish: Implications for a coastal engineering project. *J Coast Res* 24: 228–233

GRIEßMANN, T. RUSTEMEIER, J. & ROLFES, R. (2010): Research on mitigation measures at alpha ventus. 24. Conference of the European Cetacean Society. Pile driving in offshore windfarms. Stralsund, 21 March 2010.

<http://www.bsh.de/de/DasBSH/Veranstaltungen/CetaceanSociety/Griessmann.pdf> (15.11.2012)

GRIEßMANN, T. (2009): Forschungsplattform FINO 3 - Einsatz des großen Blasenschleiers. Presentation at BSH "Meeresumweltsymposium" 2009.

<http://www.bsh.de/de/DasBSH/Veranstaltungen/MUS/2009/Dokumente/GriessmannP.pdf>

Grontmij, 2008. Offshore Windpark Q10. Documentnummer 13/99088008/CvD.

Grontmij, 2013. The macrobenthic fauna monitoring in the Dutch Sector of the North Sea, MWTL 2012. Year report MWTL North Sea – 2012. Reference number 31019631.0006 – Year report.

Haelters, J., Kerckhof, F., Jauniaux, T. & Degraer, S. (2012b). The Grey Seal (*Halichoerus grypus*) as a Predator of Harbour Porpoises (*Phocoena phocoena*)? *Aquatic Mammals* 38(4): 343-353.

Haelters, J., Van Roy, W., Vigin, L. & Degraer, S., 2012. The effect of pile driving on harbour porpoises in Belgian waters. In: S. Degraer, R. Brabant & B. Rumes (Eds.). *Offshore windfarms in the Belgian part of the North Sea: heading for an understanding of environmental impacts*. Royal Belgian Institute of Natural Sciences, Department MUMM, Chapter 9: 127-143.

Haelters, J., Vigin, L. & Degraer, S., 2013a. Attraction of harbour porpoises to operational offshore wind farms: what can be expected? In: S. Degraer, R. Brabant & B. Rumes (Eds.). *Environmental impacts of the construction of offshore windfarms in the Belgian part of the North Sea: learning from the past to optimise future monitoring programmes*. Royal Belgian Institute of Natural Sciences, Brussels, Chapter 16: 166-171.

Haelters, J., 2013. Opmerkelijke aantallen bruinvissen in de eerste helft van 2013. *De Strandvlo* 33(2): 55-58.

Hal, R. van, B. Couperus, S. Fassler, S. Gastauer, B. Griffioen, N. Hintzen, L. Teal, O. van Keeken & E. Winter 2012. Monitoring- and Evaluation Program Near Shore Wind farm (MEP-NSW). Fish community. IMARES Report C059/12. OWEZ_R_264_T1_20121215_final_report_fish. Imeres Wageningen UR.

Halvorsen, M.B., Casper, B.M., Woodley, C.M., Carlson, T.J., Popper, A.N., 2012a. Threshold for Onset of Injury in Chinook Salmon from Exposure to Impulsive Pile Driving Sounds. *PLoS ONE* 7: e38968

Halvorsen, M.B., Casper, B.M., Matthews, F., Carlson, T.J., Popper, A.N. 2012b. Effects of exposure to pile-driving sounds on the lake sturgeon, Nile tilapia and hogchoker. Proc. R. Soc. B 279: 4705-4714

HEPPER, J. (2012): Ist der Große Blasenschleier nun Stand der Technik? Presentation DUH-Conference "Herausforderung Schallschutz beim Bau von Offshore-Windparks", 25.-26 September 2012, Berlin.

Holtmann, S.E., A. Groenewold, K.H.M. Schrader, J. Asjes, J.A. Craeymeersch, G.C.A. Duineveld, A.J. van Bostelen en J. van der Meer, 1996. Atlas of the zoobenthos of the Dutch Continental Shelf, Ministry of transport, Public Works and Water Management, North Sea Directorate, Rijswijk, pp 244.

IJsseldijk, L.L. & Begeman, L., 2013. Increase in strandings of harbour porpoises (*Phocoena phocoena*) on the Dutch coast in April and May 2013. Rapport van de Faculteit Diergeneeskunde, Universiteit van Utrecht.

Jansen, H.W. & C.A.F. de Jong 2014. Underwater noise measurements in the North Sea in and near the Princess Amalia Wind Farm in operation. TNO report - TNO 2013 R11916. Den Haag, the Netherlands.

Kamermans, P. & M. Dedert, 2012. Effect of variations in concentration of algae and silt on filtration and growth of the razor clam (*Ensis directus*, Conrad). IMARES Report C017/12. IMARES, Wageningen.

LAUGHLIN, J. (2006): Underwater sound levels associated with pile driving at the Cape Disappointment boat launch facility, wave barrier project, Washington State Department of Transportation, Seattle, USA. 42 pp.

Lengkeek, W., K. Didden, M. Dorenbosch, S. Bouma, H. W. Waardenburg, 2013. Biodiversiteit van kunstmatige substraten. Een inventarisatie van 10 scheepswrakken op het NCP. Rapport 13-226, Bureau Waardenburg, Culemborg

Lindeboom, H., J. Geurts van Kessel & L. Berkenbosch, 2005. Gebieden met bijzondere ecologische waarden op het Nederlands Continentaal Plat. Rapport RIKZ/2005.008.

Meager, J.J., T. Solbakken, A.C. Utne-Palm, T. Oen, 2005. Effects of turbidity on the reactive distance, search time, and foraging success of juvenile Atlantic cod (*Gadus morhua*). Canadian Journal of Fisheries and Aquatic Sciences 62: 1978-1984

Popper, A. N., and Hawkins, A. D. (eds) (2014). "The effects of noise on aquatic life II," Springer Science+Business Media, LLC, New York.

Reubens J., 2011. Windmolens in de Noordzee: een kraamkamer voor de schaarse kabeljauw. Energienieuws 27 juli 2012.

Scheidat M, Verdaat H, Aarts G (2012) Using aerial surveys to estimate density and distribution of harbour porpoises in Dutch waters. *Journal of Sea Research* 69:1-7.

STEINHAGEN, U. (2012): Kleiner Blasenschleier, Presentation Conference of „Deutschen Umwelthilfe e. V.“ “Herausforderung Schallschutz beim Bau von Offshore-Windparks”, 25.-26. September, Berlin

THOMSEN, K.E. (2012): Cofferdam-State of the art noise mitigation, Presentation Conference of “Deutsche Umwelthilfe e. V.” “Herausforderung Schallschutz beim Bau von Offshore-Windparks”, 25.-26 September 2012, Berlin.

Thomson 2015. MaRVEN – Environmental Impacts of Noise, Vibrations and Electromagnetic Emissions from Marine Renewable Energy.

Tricas, T. & A. Gill, 2011. Effects of EMFs from undersea power cables on elasmobranchs and other marine species. Normandeau Associates, Inc report. U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Regulation, and Enforcement, Pacific OCS Region, Camarillo, CA. OCS Study BOEMRE 2011-09.

Van Duin C.F., Jaspers C.J., Kreft M., 2011. Offshore Windpark Q10. Milieueffectrapport. Grontmij, 2011.

Van Moorsel, G.W.N.M., 2003. Ecologie van de Klaverbank, Biota Survey 2002. Ecosub, Doorn, 154p.

Van Scheppingen Y. & A. Groenewold, 1990. De ruimtelijke verspreiding van het benthos in de zuidelijke Noordzee. De Nederlandse kustzone overzicht 1988-1989. Rijkswaterstaat Directie Noordzee/Dienst getijdenwateren. MILZON-BENTHOS rapport 90-03.

WILKE, F., KLOSKE, K. & BELLMANN, M. (2012): ESRa-Evaluierung von Systemen zur Ramschallminderung an einem Offshore-Testpfahl. Förderkennzeichen 0325307. Technical Report Mai 2012. http://www.offshore-stiftung.com/60005/Uploaded/Offshore_Stiftung|ESRa_TechnischerAbschlussbericht.pdf (15.11.2012)

Witbaard, R. & P. Kamermans, 2009. De bruikbaarheid van de klepstandmonitor op *Ensis directus* ten behoeve van de monitoring van aan zand winning gerelateerde effecten. NIOZ rapport 2009-10. NIOZ, Texel.

Witbaard R., Lavaleye M.S.S., Duineveld G.C.A., Bergman M.J.N., 2013. Atlas of the megabenthos (incl. small fish) on the Dutch Continental Shelf of the North Sea. NIOZ Royal Netherlands Institute for Sea Research. Report, 2013-4.

ZERBST, S. & RUSTEMEIER, J. (2011): Bericht über Messungen des Hydroschalls im Rahmen der Proberammungen für den zukünftigen Offshore-Windpark Baltic II. ISD-A-04/2011, March 2011, 18 pp.

Hoofdstuk 8 Scheepvaartveiligheid

Barentse, J. Nadere toelichting: Gevolgen van aanvaringen door de windturbine-installatie. Jacobs Comprimio Nederland, juli 2000.

Bundesamt für Seeschifffahrt und Hydrographie. Abschlussberichts der Unterarbeitsgruppe "Parameter für Risikoanalysen". BSH 2005.

Koldenhof, Y. & C. van der Tak. Risico vervoer (milieu)gevaarlijke stoffen op zee. MARIN, 19287.630/4, juli 2004.

Van Schaijk, I. Netwerkevaluatie Noordzee na invoering nieuwe stelsel. MARIN, 27918-1-MSCN-rev.2, 7 november 2014.

Van der Tak, C. Risico voor de scheepvaart bij aanwijzing windgebied Hollandse Kust. MARIN, 26455-2-MSCN-rev.4, 19 september 2013.

Verdrag inzake de Internationale Bepalingen ter voorkoming van aanvaringen op zee (COLREGs). Londen, 1972.

Hoofdstuk 9 Landschap

H+N+S in opdracht van Agentschap NL, Handreiking waardering landschappelijke effecten van windenergie, 2013

IALA Recommendation O-139 On The Marking of Man-Made Offshore Structures Edition 1 December 2008. Revised: 13/12/2013

International Civil Aviation Organization, International Standards and recommended practices aerodrome design and operations, Annex 14, Vol. 1, Chapter 6, Visual aids for denoting obstacles

Nierman et al, 2010, Beleving en Maatschappelijke aspecten zichtbaarheid windturbines Noordzee.

Vries, S. de, Boer, T.A. de, Goossen, C.M., Wulp, N. Y. van der, m.m.v. Dijkstra, H. (2008). De beleving van grote wateren. De invloed van een aantal man-made elementen onderzocht. WOT rapport 64

<http://windmolensopzee.noordzeeloket.nl/>

Hoofdstuk 10 Overige gebruiksfuncties

Adams AS, Keith DW (2007) Wind energy and climate: Modeling the atmospheric impacts of wind energy turbines. EOS Trans AGU 88:Fall Meeting Suppl.

Baidya Roy S, Pacala SW, Walko RL (2004) Can large wind farms affect local meteorology? J Geophys Res 109:D19101.

Brown, C. Offshore Wind Farm Helicopter Search and Rescue Trials Undertaken at the North Hoyle Wind Farm; Report of helicopter SAR trials undertaken with Royal Air Force 'C' Flight 22 Squadron on March 22nd 2005. Maritime and Coastguard Agency, 2005.

Decisio, 2015, MKBA Windenergie binnen de 12-mijlszone. Maatschappelijke afweging van windenergie op zee binnen en buiten de 12-mijlszone.

Emeis, S. (2010), Meteorological Explanation of Wake Clouds at Horns Rev Wind Farm, Institute for Meteorology and Climate Research, Karlsruhe Institute of Technology, DEWI Magazin No. 37

Howard, M. & C. Brown. Results of the electromagnetic investigations and assessments of marine radar, communications and positioning systems undertaken at the North Hoyle wind farm by QinetiQ and the Maritime and Coastguard Agency, 2004.

IALA, Recommendation O-139 – The Marking of Man-made Offshore Structures December 2008.

Keith DW, et al. (2004) The influence of large-scale wind power on global climate. Proc Natl Acad Sci USA 101:16115–16120.

Kirk-Davidoff DB, Keith DW (2008) On the climate impact of surface roughness anomalies. J Atmos Sci 65:2215–2234.

Koninklijke Marine, Dienst der Hydrografie. Officiële zeekaart voor kust- en binnenwateren, 1801 Noordzeekust De Panne tot Den Helder.

Maria MRV Sta., Jacobson MZ (2009) Investigating the effect of large wind farms on energy in the atmosphere. Energies 2:816–838.

Natuur & Milieu en GFK, 2015. Houding & perceptie van Duitse toeristen t.a.v. windmolens aan de Nederlandse kust

PeriplusArcheomare Desk Study Archeological Assessment Hollandse Kust (Zuid), 29-1-2016

Taal, C., H. Bartelings, R. Beukers, A.J. Klok, W.J. Strietman. Visserij in Cijfers 2010. Landbouw Economisch Instituut. Wageningen UR. Den Haag, 2010.

Spaven consulting. Wind turbines and radar: operational experience and mitigation measures. Report to a consortium of wind energy companies, december 2001.

To70, (2017) Helicopter accessibility of oil & gas platforms near the offshore wind farms Hollandse Kust Zuid and Hollandse Kust Noord, The Hague.

Wang C, Prinn RJ (2010) Potential climatic impacts and reliability of very large-scale wind farms. *Atmos Chem Phys* 10:2053–2061.

Wiser R, et al. (2007) Annual Report on US Wind Power Installation, Costs and Performance Trends: 2006 (US Dept of Energy), pp 9–10.

Witte, E. Ursum, K. GfK, 2015, Houding en perceptie van Duitse toeristen ten aanzien van windmolens aan de Nederlandse Kust.

ZKA Consultants & Planners, 2013, Onderzoek effecten Wind op Zee op recreatie en toerisme

Hoofdstuk 11 Elektriciteitsopbrengst

Agentschap NL, Protocol monitoring hernieuwbare energie 2015

Centraal Bureau voor de Statistiek. Hernieuwbare energie in Nederland 2015. Den Haag/Heerlen, 2016.

Chaouki Ghenai (2012). Life Cycle Analysis of Wind Turbine, Sustainable Development - Energy, Engineering and Technologies - Manufacturing and Environment, Prof. Chaouki Ghenai (Ed.), ISBN: 978-953-51-0165-9, InTech, Available from:

<http://www.intechopen.com/books/sustainable-development-energy-engineering-and-technologies-manufacturing-and-environment/life-cycle-analysis-of-wind-turbine>

Das Grüne Emissionshaus, augustus 2003

ECN, Scoping analysis of the potential yield of the Hollandse Kust (zuid)wind farm sites and the influence on the existing wind farms in the proximity, ECN-E—16—021, augustus 2016

Karl R. Haapala and Preedanood Prempreeda, Comparative life cycle assessment of 2.0 MW wind Turbines. In: *Int. J. Sustainable Manufacturing*, Vol. 3, No. 2, 2014, <http://www.ourenergypolicy.org/wp-content/uploads/2014/06/turbines.pdf>

<http://www.cbs.nl/nl-NL/menu/themas/industrie-energie/publicaties/artikelen/archief/2015/sterke-groei-aandeel-hernieuwbare-energie.htm>

<http://www.energy.siemens.com/hq/en/renewable-energy/wind-power/epd.htm>

http://www.noordzeewind.nl/wp-content/uploads/2012/02/OWEZ_R_000_20101112_Operations_2009.pdf

<http://www.prinsesamaliawindpark.eu/nl/windpark.asp>

Hoofdstuk 12 Afweging

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