

IMPACTS DES CHALUTS EN GENERAL

1. I. G. Priede et al., A review of the spatial extent of fishery effects and species vulnerability of the deep-sea demersal fish assemblage of the Porcupine Seabight, Northeast Atlantic Ocean (ICES Subarea VII). ICES Journal of Marine Science; doi:10.1093, June 2010.
2. Alexander, Moore, Kendall. 1914. Otter-trawl fishery Report of the US Commissioner of Fisheries, Appendix V1.
3. Aller. 1982. The effects of macrobenthos on chemical properties of marine sediment and overlying water. In: Animal-sediment relations. Call and Tevesz. Plenum Press, New York. 53-102. (Used in quote from Pilskalns et al. 1998.)
4. Aller. 1988. Benthic fauna and biogeochemical processes in marine sediment: the role of burrow structures. In: Nitrogen cycling in coastal marine environments. Blackburn and Sorensen. J. Wiley and Sons, New York. (Used in quote from Pilskalns et al. 1998.)
5. Althaus, Williams, Schlacher, Kloser, Green, Barker, Bax, Brodie, Schlacher-Hoenlinger. 2009. Impacts of bottom trawling on deep-coral ecosystems of seamounts are long-lasting. Marine Ecology Progress Series 397: 279-294.
6. Angel, Rice. 1996. The ecology of the deep ocean and its relevance to global waste management. Journal of Applied Ecology 33:915-926. (Used in quote from Kaiser et al. 2002.)
7. Anon. 1996. Report of the working group on ecosystem effects of fishing activities. ICES CM 1996/Assess/Env:1. (Used in quote from Tuck et al. 1998.)
8. Ardizzone, Migliuolo. 1983. Modification of a *Posidonia oceanica* (L.) Delile prairie of the Mod-Tyrrhenian Sea after trawling activity. / Modificazioni di una prateria di *Posidonia oceanica* (L.) Delile del medio Tirreno sottoposta ad attività di pesca a strascico. Naturalista sicil. Suppl. IV:3:509-515
9. Ardizzone, Pelusi. 1983. Regression of a Tyrrhenian *Posidonia oceanica* prairie exposed to near shore trawling. Rapports et Proces-Verbaux des Reunions Conseil International pour l'Exploration Scientifique de la Mer Mediterranee 28:3:175-177.
10. Ardizzone, Tucci, Somaschini, Belluscio. 2000. Is bottom trawling partly responsible for the regression of *Posidonia oceanica* meadows in the Mediterranean Sea? In: Effects of fishing on non-target species and habitats: biological, conservation and socio-economic issues. M.J. Kaiser and S.J. de Groot. Blackwell Science Ltd. Oxford, UK. 37-46.
11. Asch, Collie. 2008. Changes in a benthic megafaunal community due to disturbance from bottom fishing and the establishment of a fishery closure. Fishery Bulletin 106:4:438-456.
12. Ault, Serafy, DiResta, Dandelski. 1997. Impacts of commercial fishing on key habitats within Biscayne National Park. Annual Report. Cooperative Agreement No. CA-5250-6-9018 iii.

13. Auster, Malatesta, Langton, Watling, Valentine, Donaldson, Langton, Shepard, Babb. 1996. The impacts of mobile fishing gear on seafloor habitats in the Gulf of Maine (northwest Atlantic): Implications for conservation of fish populations. *Reviews in Fisheries Science* 4:2:185-202. (Used in quote from Kaiser et al. 2002.)
14. Auster, Langton. 1999. The effects of fishing on fish habitat. Fish habitat: essential fish habitat and rehabilitation. American Fisheries Society, Symposium 22. Bethesda, Maryland. 150-187.
15. Ball, Munday, Tuck. 2000. Effects of otter trawling on the benthos and environment in muddy sediments. In: Effects of fishing on non-target species and habitats: biological, conservation and socio-economic issues. M.J. Kaiser and S.J. de Groot. Blackwell Science Ltd. Oxford, UK. 69-82.
16. Bergman, Fonds, Hup, Stam. 1990. Direct effects of beamtrawl fishing on benthic fauna in the North Sea. ICES CM 1990/M INI:11. Copenhagen, Denmark. 19 p.
17. Bergman, Hup. 1992. Direct effects of beamtrawling on macrofauna in a sandy sediment in the southern North Sea. *ICES Journal of Marine Science* 49:1:5-11
18. Bergman, van Santbrink. 1994. Direct effects of beam trawling on macrofauna in a soft bottom area in the southern North Sea. Environmental impact of bottom gears on the benthic fauna in relation to natural resource management and protection of the North Sea. NIOZ Rapport 1994-11. RIVO-DLO Report CO 26/94. Netherlands Institute for Fisheries Research, Texel, The Netherlands. 179-208.
19. Berkely, Pybas, Campos. 1985. Bait shrimp fishery of Biscayne Bay. Florida Sea Grant College Program Technical Paper No. 40. 16 p.
20. Bhagirathan, Meenakumari, Jayalakshmy, Panda, Madhu, Vaghela. 2010. Impact of bottom trawling on sediment characteristics-a study along inshore waters off Veraval coast, India. *Environmental Monitoring and Assessment* 160:355-369.
21. Boehlert, Yoklavich, Chelton. 1989. Time series of growth in the genus *Sebastes* from the Northeast Pacific Ocean. *Fishery Bulletin* 87:791-806. (Used in quote from Koslow et al. 2000.)
22. Bradstock, Gordon. 1983. Coral-like bryozoan growths in Tasman Bay, and their protection to conserve commercial fish stocks. *New Zealand Journal of Marine and Freshwater Research* 17:2:159-163.
23. Bremner, Frid, Rogers. 2005. Biological Traits of the North Sea Benthos: Does Fishing Affect Benthic Ecosystem Function? In: *Benthic Habitats and the Effects of Fishing*. Barnes and Thomas. American Fisheries Society, Bethesda, Maryland, USA. 477-489.
24. Brown, Finney, Hills, Dommissie. 2005. Effects of commercial otter trawling on the physical environment of the southeastern Bering Sea. *Continental Shelf Research* 25:10:1281-1301.
25. Brylinsky, Gibson, Gordon. 1994. Impacts of flounder trawls on the intertidal habitat and community of the Minas Basin, Bay of Fundy. *Canadian Journal of Fisheries and Aquatic Sciences* 51:3:650-661.
26. Campbell, Officer, Prosser, Lawrence, Drabsch, Courtney. 2010. Survival of Graded

- Scallops *Amusium balloti* in Queensland's (Australia) Trawl Fishery. *Journal of Shellfish Research* 29:2:2373-380.
27. C. H. P. Unpublished data. (Used in quote from Pilskaln et al. 1998.)
 28. Christensen, Murray, Devol, Codispoti. 1987. Denitrification in continental shelf sediments has major impact on the oceanic nitrogen budget. *Global Biogeochemical Cycles* 1:97–116. (Used in quote from Pilskaln et al. 1998.)
 29. Churchill. 1989. The effect of commercial trawling on sediment resuspension and transport over the Middle Atlantic Bight continental shelf. *Continental Shelf Research* 9:841-864.
 30. Clark. 1995. Experience with the management of orange roughy (*Hoplostethus atlanticus*) in New Zealand, and the effects of commercial fishing on stocks over the period 1980–1993. In: *Deep-water Fisheries of the North Atlantic Oceanic Slope*. Hopper. Kluwer Academic Publishers, Dordrecht. 251-266. (Used in quote from Koslow et al. 2000.)
 31. Clark. 1999. Fisheries for orange roughy (*Hoplostethus atlanticus*) on seamounts in New Zealand. *Oceanologica Acta* 22:593–602. (Used in quote from Koslow et al. 2000.)
 32. Clark, O'Driscoll. 2001. Deepwater fisheries and aspects of their impact on seamount habitat in New Zealand. *Journal of Northwest Atlantic Fishery Science* 31:441:458.
 33. Clark, Tracey. 1994. Changes in a population of orange roughy, *Hoplostethus atlanticus*, with commercial exploitation on the Challenger Plateau, New Zealand. *Fishery Bulletin* 92:236–253. (Used in quote from Koslow et al. 2000.)
 34. Clark, Fincham, Tracey. 1994. Fecundity of orange roughy (*Hoplostethus atlanticus*) in New Zealand waters. *New Zealand Journal of Marine and Freshwater Research* 28:193-200. (Used in quote from Koslow et al. 2000.)
 35. Collie, Escanero, Valentine. 1997. Effects of bottom fishing on the benthic megafauna of Georges Bank. *Marine Ecology Progress Series* 155:159-172.
 36. Collie, Hermsen, Valentine, Almeida. 2005. Effects of Fishing on Gravel Habitats: Assessment and Recovery of Benthic Megafauna on Georges Bank. In: *Benthic Habitats and the Effects of Fishing*. Barnes and Thomas. America Fisheries Society, Bethesda, Maryland, USA. 325-343.
 37. Collie, Hall, Kaiser, Poiner. 2000. Shelf sea fishing disturbance of benthos: trends and predictions. *Journal of Animal Ecology* 69:5:785-798.
 38. Connell. 1978. Diversity in tropical rain forests and coral reefs. *Science* 199:1302–1310. (Used in quote from Asch and Collie 2008.)
 39. Currie, Parry. 1996. Effects of scallop dredging on a soft sediment community: a large scale experimental study. *Marine Ecology Progress Series* 134:131-150. (Used in a quote from Tuck et al. 1998.)
 40. De Biasi. 2004. Impact of experimental trawling on the benthic assemblage along the Tuscany coast (North Tyrrhenian Sea, Italy). *ICES Journal of Marine Science* 61:8:1260-1266.

41. De Groot. 1972. Some further experiments on the influence of the beam trawl on the bottom fauna. ICES Gear and Behaviour Committee. CM 1972/B:6. 7 p.
42. De Juan, Demestre, Thrush. 2009. Defining ecological indicators of trawling disturbance when everywhere that can be fished is fished: A Mediterranean case study. *Marine Policy* 33:472-478.
43. Dellapenna, Allison, Gill, Lehman, Warnken. 2006. The impact of shrimp trawling and associated sediment resuspension in mud dominated, shallow estuaries. *Estuarine, Coastal and Shelf Science* 69:3-4:519-530.
44. Demestre, Sanches, Kaiser. 2000. The behavioural response of benthic scavengers to ottertrawling disturbance in the Mediterranean. In: *Effects of fishing on non-target species and habitats: biological, conservation and socio-economic issues*. M.J. Kaiser and S.J. de Groot. Blackwell Science Ltd. Oxford, UK. 121-129
45. D'Onghia, Maiorano, Sion, Giove, Capezzuto, Carlucci, Tursi. 2010. Effects of deep-water coral banks on the abundance and size structure of the megafauna in the Mediterranean Sea. *Deep-Sea Research II* 57:397-411.
46. Dounas, Davies, Triantafyllou, Koulouri, Petihakis, Arvanitidis, Soulatzis, Eleftheriou. 2007. Large-scale impacts of bottom trawling on shelf primary productivity. *Continental Shelf Research* 27:17:2198-2210.
47. Drabsch, Tanner, Connell. 2001. Limited infaunal response to experimental trawling in previously untrawled areas. *ICES Journal of Marine Science* 58:1261-1271.
48. Duplisea, Jennings, Malcolm, Parker and Sivyer. 2001. Modelling potential impacts of bottom trawl fisheries on soft sediment biogeochemistry in the North Sea. *Geochemical Transactions* 2:1:112-117.
49. Durrieu de Madron, Ferre, Le Corre, Grenz, Conan, Pujo-Pay, Buscail, Bodiot. 2005. Trawling-induced resuspension and dispersal of muddy sediments and dissolved elements in the Gulf of Lion (NW Mediterranean). *Continental shelf research* 25:19-20:2387-2409.
50. Engel, Kvitek. 1998. Impacts of otter trawling on a benthic community in Monterey Bay National Marine Sanctuary. *Conservation Biology* 12:6:1204-1214.
51. Fanelli, Badalamenti, D'Anna, Pipitone. 2009. Diet and trophic level of scaldfish *Arnoglossus laterna* in the southern Tyrrhenian Sea (western Mediterranean): contrasting trawled versus untrawled areas. *Journal of the Marine Biological Association of the United Kingdom* 89:4:817-828.
52. Fanning, Carder, Betzer. 1982. Sediment resuspension by coastal waters: a potential mechanism for nutrient recycling on the ocean's margins. *Deep-Sea Research* 29:953-965.
53. Fonteyne. 2000. Physical impact of beam trawls on seabed sediments. In: *Effects of fishing on non-target species and habitats: biological, conservation and socio-economic issues*. M.J. Kaiser and S.J. de Groot. Blackwell Science Ltd. Oxford, UK. 15-36.
54. Freese, Auster, Heifetz, Wing. 1999. Effects of trawling on seafloor habitat and

- associated invertebrate taxa in the Gulf of Alaska. *Marine Ecology Progress Series* 182:119-126.
55. Frid, Harwood, Hall, Hall. 2000. Long-term changes in the benthic communities on North Sea fishing grounds. *ICES Journal of Marine Science* 57:1303-1309. (Used in a quote from Kaiser et al. 2002.)
 56. Friedlander, Boehlert, Field, Mason, Gardner, Dartnell. 1999. Sidescan sonar mapping of benthic trawl marks on the shelf and slope off Eureka, California. *Fishery Bulletin* 97:4:786-801.
 57. Gibbs, Collins, Collett. 1980. Effect of otter prawn trawling on the macrobenthos of a sandy substratum in a New-South-Wales Estuary. *Australian Journal of Marine and Freshwater Research* 31:4:509-516.
 58. Gilkinson, Paulin, Hurley, Schwinghamer. 1998. Impacts of trawl door scouring on infaunal bivalves: results of a physical trawl door model/dense sand interaction. *Journal of Experimental Marine Biology and Ecology* 244:2:291-312.
 59. Giovanardi, Pravoni, Franceschini. 1998. "Rapido" trawl fishing in the Northern Adriatic: preliminary observations of the effects on macrobenthic communities. *Acta Adriatica* 39:1:37-52.
 60. Graham. 1955. Effect of trawling on animals of the sea bed. *Deep Sea Research Supplement* 3:1-6.
 61. Greenstreet, Spence, McMillan. 1999. Fishing effects in northeast Atlantic shelf seas: patterns in fishing effort, diversity and community structure. Changes in the structure of the North Sea groundfish species assemblage between 1925 and 1996. *Fisheries Research* 40:2:153-183.
 62. Hall-Spencer, Allain, Fossa. 2002. Trawling damage to Northeast Atlantic ancient coral reefs. *Proceedings of the Royal Society of London Series B-Biological Sciences* 269:1490:507-511.
 63. Haedrich. 1995. Structure over time of an exploited deepwater fish assemblage. In: *Deep-water Fisheries of the North Atlantic Oceanic Slope*. Hopper. Kluwer Academic Publishers. (Used in quote from Koslow et al. 2000.)
 64. Hall-Spencer, Froggia, Atkinson, Moore. 1999. The impact of Rapido trawling for scallops, *Pecten jacobaeus* (L.), on the benthos of the Gulf of Venice. *ICES Journal of Marine Science* 56:1:111-124.
 65. Hannah, Jones, Miller, Knight. 2010. Effects of trawling for ocean shrimp (*Pandalus jordani*) on macroinvertebrate abundance and diversity at four sites near Nehalem Bank, Oregon. *Fishery Bulletin* 108:1:30-38.
 66. Hansson, Lindegarth, Valentinsson, Ulmestrand. 2000. Effects of shrimp-trawling on abundance of benthic macrofauna in Gullmarsfjorden, Sweden. *Marine Ecology Progress Series* 198:191-201.
 67. Heifetz, Stone, Shotwell. 2009. Damage and disturbance to coral and sponge habitat of the Aleutian Archipelago. *Marine Ecology Progress Series* 397:295-303.
 68. Hiddink, Rijnsdorp, Piet. 2008. Can bottom trawling disturbance increase food

production for a commercial fish species? *Canadian Journal of Fisheries and Aquatic Sciences* 65:7:1393-1401.

69. Hinz, Prieto, Kaiser. 2009. Trawl disturbance on benthic communities: chronic effects and experimental predictions. *Ecological Applications* 19:3:761-773.
70. Huxley. 1883. Inaugural Address Fisheries Exhibition, London.
71. Jennings, Dinmore, Duplisea, Warr, Lancaster. 2001. Trawling disturbance can modify benthic production processes. *Journal of animal ecology* 70:3:459-475.
72. Jennings, Kaiser. 1998. The effects of fishing on marine ecosystems. *Advances in Marine Biology* 34:201-352. (Used in quote from Kaiser et al. 2002.)
73. Jennings, Nicholson, Dinmore, Lancaster. 2002. Effects of chronic trawling disturbance on the production of infaunal communities. *Marine ecology progress series* 343:251-260.
74. Jennings, Pinnegar, Polunin, Warr. 2001. Impacts of trawling disturbance on the trophic structure of benthic invertebrate communities. *Marine Ecology Progress Series* 213:127-142.
75. Kaiser, Spencer. 1993b. A preliminary assessment of the immediate effects of beam trawling on a benthic community in the Irish Sea. *ICES CM 1993/B:38 (REF E + L)*. 9 p.
76. Kaiser, Spencer. 1994. Fish scavenging behavior in recently trawled areas. *Marine Ecology Progress Series* 112:41-49. (Used in quote from Langton and Auster 1999.)
77. Kaiser, Spencer. 1996a. The effects of beam-trawl disturbance on infaunal communities in different habitats. *Journal of Animal Ecology* 65:348-358. (Used in quote from Tuck et al. 1998.)
78. Kaiser, Spencer. 1996b. Behavioural responses of scavengers to beam trawl disturbance. In: *Aquatic Predators and their Prey*. Greenstreet and Tasker. Blackwell Scientific Publications, Oxford. 116-123.
79. Kaiser, Ramsay. 1997. Opportunistic feeding by dabs within areas of trawl disturbance: Possible implications for increased survival. *Marine Ecology Progress Series* 152:1-3:307-310.
80. Kaiser, Edwards, Armstrong, Radford, Lough, Flatt, Jones. 1998. Changes in megafaunal benthic communities in different habitats after trawling disturbance. *ICES Journal of Marine Science* 55:3:353-361.
81. Kaiser, Rogers, Ellis. 1999. Importance of benthic habitat complexity for demersal fish assemblages. In: *Fish habitat: essential fish habitat and rehabilitation*. American Fisheries Society, Symposium 22. Benaka. Bethesda, Maryland. (Used in quote from Kaiser et al. 2002.)
82. Kaiser, Spence, Hart. 2000a. Fishinggear restrictions and conservation of benthic habitat complexity. *Conservation Biology* 14:5:1512-1525.
83. Kaiser, Ramsay, Richardson, Spence, Brand. 2000b. Chronic fishing disturbance has changed shelf sea benthic community structure. *Journal of Animal Ecology* 69:3:494-

503.

84. Kaiser, Collie, Hall, Jennings, Poiner. 2002. Modification of marine habitats by trawling activities: prognosis and solutions. *Fish and Fisheries* 3:2:114-136.
85. Koslow, Gowlett-Holmes, Lowry, O'Hara, Poore, Williams. 2001. Seamount benthic macrofauna off southern Tasmania: community structure and impacts of trawling. *Marine Ecology Progress Series* 213:111-125.
86. Koslow, Gowlett-Holmes. 1998. The seamount fauna off southern Tasmania: benthic communities, their conservation and impacts of trawling. Final Report to Environment Australia and the Fisheries Research Development Corporation. 104 pp. (Used in a quote from Koslow et al. 2000.)
87. Koslow, Bell, Virtue, Smith. 1995. Fecundity and its variability in orange roughy: effects of population density, condition, egg size, and senescence. *Journal of Fish Biology* 47:1063–1080 (Used in quote from Koslow et al. 2000.)
88. Koslow, Boehlert, Gordon, Haedrich, Lorange, Parin. 2000. Continental slope and deep-sea fisheries: implications for a fragile ecosystem. *ICES Journal of Marine Science* 57:3:548-557.
89. Koulouri, Dounas, Eleftheriou. 2005. Preliminary results on the effect of otter trawling on hyperbenthic communities in Heraklion Bay (Eastern Mediterranean, Cretan Sea). In: *Benthic Habitats and the Effects of Fishing*. Barnes and Thomas. American Fisheries Society, Bethesda, Maryland, USA. 529-537.
90. Krost. 1990. The impact of otter-trawl fishery on nutrient release from the sediment and macrofauna of Kieler Bucht (western Baltic). Ph.D. dissertation. *Berichte aus dem Institut für Meereskunde an der Christian-Albrechts-Universität Kiel*. Kiel. 200, 160 pp.
91. Krost. 1993. The significance of the bottomtrawl fishery for the sediment, its exchange processes, and the benthic communities in the bay of Kiel. *Arbeiten des Deutschen Fischerei-Verbandes* 57:43-60.
92. Laban, Lindeboom. 1991. Penetration depth of beamtrawl gear. In: *Effects of Beamtrawl Fishery on the Bottom Fauna in the North Sea, II: the 1990 studies*. BEONRAPPORT 13. Netherlands Institute for Sea Research, Texel, The Netherlands. 37-52.
93. Langton, Auster. 1999. Marine fishery and habitat interactions: to what extent are fisheries and habitat interdependent. *Fisheries* 24:6:14-21.
94. Large, Lorange, Pope. 1998. The survey estimates of the overall size composition of the deepwater fish species on the European continental slope, before and after exploitation. *ICES CM 1998/O: 24*. (Used in quote from Koslow et al. 2000.)
95. Leaman. 1991. Reproductive styles and life history variables relative to exploitation and management of *Sebastes* stocks. *Environmental Biology of Fishes* 30:253–271. (Used in quote from Koslow et al. 2000.)
96. Laurenson, Unsworth, Penn, Lenanton. 1993. The impact of trawling for saucer scallops and western king prawns on the benthic communities in coastal waters off south Western Australia. *Fisheries Research Report No. 100*. Fisheries Department

of Western Australia. 93 p.

97. Ligas, De Biasi, Demestre, Pacciardi, Sartor, Cartes. 2009. Effects of chronic trawling disturbance on the secondary production of suprabenthic and infaunal crustacean communities in the Adriatic Sea (NW Mediterranean). *Ciencias Marinas* 35:2:195-207.
98. Lindeboom, de Groot. 1998. Impact II: The Effects of Different Types of Fisheries on the North Sea and Irish Sea Benthic Ecosystems. NIOZ-RAPPORT 1998-1/RIVO-DLO REPORT C003/98. Netherlands Institute for Sea Research. Texel, The Netherlands.
99. Lorance. 1998. Structure du peuplement ichthyologique du talus continental à l'ouest des Iles Britanniques et impact de la pêche. *Cybium* 22:209–231. (Used in a quote from Koslow et al. 2000.)
100. Mayer, Schick, Findlay, Rice. 1991. Effects of commercial dragging on sedimentary organic matter. *Marine Environmental Research* 31:4:249-261.
101. McConnaughey, Mier, Braxton. 2000. An examination of chronic trawling effects on soft-bottom benthos of the eastern Bering Sea. *ICES Journal of Marine Science* 57:1377-1388.
102. Merrett, Haedrich. 1997. *Deep-Sea Demersal Fish and Fisheries*. Chapman and Hall, London. 282 pp. (Used in quote from Koslow et al. 2000.)
103. Meyer, Fonseca, Murphey, McMichael, Terly, LaCroix, Whitfield, Thayer. 1999. Effects of live-bait shrimp trawling on seagrass beds and fish bycatch in Tampa Bay, Florida. *Fishery Bulletin* 97:1:193-199.
104. Mullineaux, Mills. 1997. A test of the larval retention hypothesis in seamount-generated flows. *Deep-Sea Research* 44:745–770. (Used in quote from Koslow et al. 2000.)
105. Norse, Watling. 1999. Impacts of mobile fishing gear: the biodiversity perspective. Fish habitat: essential fish habitat and rehabilitation. American Fisheries Society, Symposium 22. Benaka. Bethesda, Maryland. 31-40.
106. Olsgard, Schaanning, Widdicombe, Kendall, Austen. 2008. Effects of bottom trawling on ecosystem functioning. *Journal of Experimental Marine Biology and Ecology* 366:1-2:123-133.
107. Piet, Rijnsdorp. 1998. Changes in the demersal fish assemblage in the south-eastern North Sea following the establishment of a protected area ("plaice box"). *ICES Journal of Marine Science* 55:420-429.
108. Palanques, Guillen, Puig. 2001. Impact of bottom trawling on water turbidity and muddy sediment of an unfished continental shelf. *Limnology and oceanography* 46:5:1100-1110.
109. Parker, Tunnicliffe. 1994. Dispersal strategies of the biota on an oceanic seamount: implications for ecology and biogeography. *Biological Bulletin* 187:336–345. (Used in quote from Koslow et al. 2000.)
110. Paschen, Richter, Köpnick. 1999. Trawl Penetration in the Seabed (TRAPESE). Draft

Final Report EC-Study Contract No. 96–006. (Used in quote from Rose et al. 2000.)

111. Pilskalns, Churchill, Mayer. 1998. Resuspension of sediment by bottom trawling in the Gulf of Maine and potential geochemical consequences. *Conservation Biology* 12:6:1223-1229.
112. Pitcher, Burrridge, Wassenberg, Hill, Poiner. 2009. A large scale BACI experiment to test the effects of prawn trawling on seabed biota in a closed area of the Great Barrier Reef Marine Park, Australia. *Fisheries Research* 99:168-183.
113. Poiner, Blaber, Brewer, Burrridge, Caesar, Connell, Dennis, Dews, Ellis, Farmer, Glaister, Gribble, Hill, O'Connor, Milton, Pitcher, Salini, Taranto, Thomas, Toscas, Wang, Veronise, Wassenberg. 1998. Final report on the effects of prawn trawling in the far northern section of the Great Barrier Reef: final report to Great Barrier Reef Marine Park Authority and Fisheries Research and Development Corporation on 1991-96 (years 1-5) research. CSIRO Marine Laboratories. (Used in quote from Kaiser et al. 2002.)
114. Polymenakou, Paraskevi, Pusceddu, Tselepides, Polychronaki, Giannakourou, Fiordelmondo, Hatziyanni, Danovaro. 2005. Benthic microbial abundance and activities in an intensively trawled ecosystem (Thermaikos Gulf, Aegean Sea). *Continental Shelf Research* 25:19-20:2570-2584.
115. Prena, Schwinghamer, Rowell, Gordon, Gilkinson, Vass, McKeown. 1999. Experimental otter trawling on a sandy bottom ecosystem of the Grand Banks of Newfoundland: analysis of trawl bycatch and effects on epifauna. *Marine Ecology Progress Series* 181:107-124.
116. Probert, KcKnight, Grove. 1997. Benthic invertebrate by-catch from a deepwater trawl fishery, Chatham Rise, New Zealand. *Aquatic Conservation: Marine and Freshwater Ecosystems* 7:27–40. (Used in quote from Koslow et al. 2000.)
117. Pusceddu, Fiordelmondo, Polymenakou, Polychronaki, Tselepides, Danovaro. 2005. Effects of bottom trawling on the quantity and biochemical composition of organic matter in coastal marine sediments (Thermaikos Gulf, northwestern Aegean Sea). *Continental Shelf Research* 25:19-20:2491-2505.
118. Queiros, Hiddink, Kaiser, Hinz. 2006. Effects of chronic bottom trawling disturbance on benthic biomass, production and size spectra in different habitats. *Journal of Experimental Marine Biology and Ecology* 335:1:91-103.
119. Ragnarsson, Lindegarh. 2009. Testing hypotheses about temporary and persistent effects of otter trawling on infauna: changes in diversity rather than abundance. *Marine Ecology Progress Series* 385:51-64
120. Ramirez-Llodra, Company, Sarda, Rotllant. 2010. Megabenthic diversity patterns and community structure of the Blanes submarine canyon and adjacent slope in the Northwestern Mediterranean: a human overprint? *Marine Ecology* 31:1:167-182.
121. Ramsay, Kaiser, Rijnsdorp, Craeymeersch, Ellis. 2000. Impact of trawling on populations of the invertebrate scavenger *Asterias rubens*. In: *Effects of fishing on non-target species and habitats: biological, conservation and socio-economic issues*. Kaiser and de Groot. Blackwell Science Ltd. Oxford, UK. 151-162.
122. Reeves, DiDonato. 1972. Effects of trawling in Discovery Bay, Washington.

Washington Department of Fisheries Technical Report No. 8. 45 p.

123. Reise. 1982. Long term changes in the macrobenthic invertebrate fauna of the Wadden Sea: Are polychaetes about to take over? *Netherlands Journal of Sea Research* 16:29-36.
124. Richer de Forges. 1998. La Diversité du Benthos Marin de Nouvelle-Caledonie: de l'Espèce a la Notion de Patrimoine. PhD thesis. Museum National d'Histoire Naturelle, Paris. 326 pp. (Used in quote from Koslow et al. 2000.)
125. Riemann, Hoffmann. 1991. Ecological consequences of dredging and bottom trawling in the Limfjord, Denmark. *Marine Ecology Progress Series* 69:1-2:171-178.
126. Roberts, Harvey, Lamont, Gage. 2000. Seabed photography, environmental assessment and evidence for deep-water trawling on the continental margin west of the Hebrides. *Hydrobiologia* 441:173-183.
127. Rose, Carr, Ferro, Fonteyne, MacMullen. 2000. Using gear technology to understand and reduce unintended effects of fishing on the seabed and associated communities: background and potential directions. In ICES Working Group on Fishing Technology and Fish Behavior report, ICES CM 2000/B:03.
128. Rumohr, Kujawski. 2000. The impact of trawl fishery on the epifauna of the southern North Sea. *ICES Journal of Marine Science* 57:5:1389-1394.
129. Rumohr, Schomann, Kujawski. 1994. Environmental impact of bottom gears on benthic fauna in the German Bight. In: NIOZ Rapport 1994-11, Netherlands Institute for Fisheries Research, Texel. 75-86.
130. Sainsbury. 1987. Assessment and management of the demersal fishery on the continental shelf of northwestern Australia. In: *Tropical Snappers and Groupers - Biology and Fisheries Management*. Polovina and Ralston). Westview Press, Boulder, Colorado. 465-503.
131. Sainsbury, Campbell, Whitelaw. 1993. Effects of trawling on the marine habitat on the north west shelf of Australia and implications for sustainable fisheries management. In: *Sustainable Fisheries through Sustainable Fish Habitat*. Bureau of Resource Sciences Publication. Australian Government Publishing Service. Canberra, Australia. 137-145.
132. Schratzberger, Lampadariou, Somerfield, Vandepitte, Vanden Berghe. 2009. The impact of seabed disturbance on nematode communities: linking field and laboratory observations. *Marine Biology* 156:709-724.
133. Schwinghamer, Gordon, Rowell, Prena, McKeown, Sonnigchsen, Guignes. 1998. Effects of experimental otter trawling on surficial sediment properties of a sandy-bottom ecosystem on the Grand Banks of Newfoundland. *Conservation Biology* 12:6:1215:1222.
134. Schwinghamer, Guigne, Siu. 1996. Quantifying the impact of trawling on benthic habitat structure using high resolution acoustics and chaos theory. *Canadian Journal of Fisheries and Aquatic Science* 53:288-296. (Used in quote from Kaiser et al. 2002.)
135. Service, Magorrian. 1997. The extent and temporal variation of disturbance to epibenthic communities in Strangford Lough, Northern Ireland. *Journal of the Marine*

Biological Association of the United Kingdom 77:4:1151-1164.

136. Smith, Papadopoulou, Diliberto. 2000. Impact of otter trawl on eastern Mediterranean commercial trawl fishing ground. *ICES Journal of Marine Science* 57:1340-1351.
137. Sparks-McConkey, Watling. 2001. Effects on the ecological integrity of a soft-bottom habitat from a trawling disturbance. *Hydrobiologia* 456:73-85.
138. Steneck. 1997. Fisheries-induced biological changes to the structure and function of the Gulf of Maine. In: *Proceedings of the Gulf of Maine Ecosystem Dynamics Scientific Symposium and Workshop*. RARGOM Report, 91 – 1. Wallace and Braasch. Regional Association for Research on the Gulf of Maine. Hanover, NH. 151-165. (Used in quote from Thrush and Dayton 2002.)
139. Svane, Hammett, Lauer. 2009. Impacts of trawling on benthic macro-fauna and -flora of the Spencer Gulf prawn fishing grounds. *Estuarine, Coastal and Shelf Science* 82:4:621-631.
140. Thrush, Dayton. 2002. Disturbance to marine benthic habitats by trawling and dredging: implications for marine biodiversity. *Annual Review of Ecology and Systematics* 33:449-473.
141. Trimmer, Peterson, Sivyer, Mills, Young, Parker. 2005. Impact of long-term benthic trawl disturbance on sediment sorting and biogeochemistry in the southern North Sea. *Marine Ecology Progress Series* 298:79-94.
142. Tuck, Hall, Robertson, Armstrong, Basford. 1998. Effects of physical trawling disturbance in a previously unfished sheltered Scottish sea loch. *Marine Ecology Progress Series* 162:227-242.
143. Turner, Thrush, Hewitt, Cummings, Funnell. 1999. Fishing impacts and the degradation or loss of habitat structure. *Fisheries Management and Ecology* 6:5:401-420.
144. Van Dolah, Wendt, Nicholson. 1987. Effects of a research trawl on a hard-bottom assemblage of sponges and corals. *Fisheries Research* 5:1:39-54.
145. Van Dolah, Wendt, Vonlevisen. 1991. A study of the effects of shrimp trawling on benthic communities in 2 South Carolina sounds. *Fisheries Research* 12:2:139-156.
146. Van Santbrink, Bergman. 1994. Direct effects of beam trawling on macrofauna in a soft bottom area in the southern North Sea. *Environmental impact of bottom gears on the benthic fauna in relation to natural resource management and protection of the North Sea*. NIOZ Rapport 1994-11. RIVO-DLO Report CO 26/94. Netherlands Institute for Fisheries Research, Texel. 147-178.
147. Vergnon, Blanchard. 2006. Evaluation of trawling disturbance on macrobenthic invertebrate communities in the Bay of Biscay, France: Abundance Biomass Comparison (ABC method). *Aquatic Living Resources* 19:3:219-228.
148. Waller, Watling, Auster, Shank. 2007. Anthropogenic Impacts On the Corner Rise Seamounts, North-West Atlantic Ocean. *Journal of the Marine Biological Association of the United Kingdom* 87:1075-1076.
149. Wassenberg, Dews, Cook. 2002. The impact of fish trawls on megabenthos

(sponges) on the north-west shelf of Australia. *Fisheries Research* 58:2:141-151.

150. Witman, Sebens. 1992. Regional variation in fish predation intensity: a historical perspective in the Gulf of Maine. *Oecologia* 90:305-15. (Used in quote from Thrush and Dayton 2002.)
151. Wheeler, Bett, Billett, Masson, Mayor. 2005. The Impact of Demersal Trawling on NE Atlantic Deep-Water Coral Habitats: the Darwin Mounds, U.K. In: *Benthic Habitats and the Effects of Fishing*. Barnes and Thomas. America Fisheries Society, Bethesda, Maryland, USA. 807-817.
152. Williams, Schlacher, Rowden, Althaus, Clark, Bowden, Stewart, Bax, Consalvey, Kloser. 2010. Seamount megabenthic assemblages fail to recover from trawling impacts. *Marine Ecology*