

An Introduction to the Bibliography

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The *Exxon Valdez* is the most studied oil spill to date. Consequently, during the nearly 25 years following the tanker's grounding on Bligh Reef in Prince William Sound, Alaska, at a little after midnight (local time) on Good Friday, March 24, 1989, a large body of literature—in all senses of that term—has accumulated. This bibliography of 1,718 citations was winnowed down from 5,806 likely relevant citations, which were themselves selected from preliminary literature searches yielding close to 15,000 nonunique citations. The size of this bibliography, which comprises a subject bibliography and an author bibliography, prevented its inclusion in the printed editions of this book. We are grateful that it can be part of the electronic edition. In addition to this introduction, you may find the Bibliographic Note and Prologue in the printed editions useful; the extensive reference lists for each chapter certainly will be. Also, see the Bibliographies section (Section 3) of the Subject Bibliography below.

Our goal was to produce a comprehensive bibliography of the peer-reviewed research publications concerning the spill that was—most especially—not affected by authors' funding sources, employers, affiliations, or points of view. "Peer-reviewed research publications" was theoretically interpreted as scholarly journal papers, conference papers, dissertations, and books. We decided early on not to quibble about the definition of scholarly or whether conference papers, technical reports, or books were really peer reviewed. Dissertations are most certainly reviewed, albeit not by peers. In the event, "peer-reviewed research publications" was operationally interpreted as journal papers, conference papers, dissertations, and books for which citations are made electronically available by the various scholarly indexing and abstracting services and online database vendors. Thus, for example, news items are all but totally excluded from this bibliography.

An additional requirement for inclusion in this bibliography is that any citation should lead to a full-text document. Citations leading only to abstracts or poster presentations are excluded. This is most relevant to conferences. For example, despite its being the venue for a large number of *Exxon Valdez* presentations, the papers presented at meetings of the Society for Environmental Toxicology and Chemistry are not cited here as the society only produces an abstract book. The same is true of the American Chemical Society. Because the International Oil Spill Conference (IOSC) and the Arctic and Marine Oilspill Program (AMOP) Technical Seminars produce proceedings with full papers, papers presented there are included.

Technical/government reports are included only to the extent that they are covered by the databases listed below. They are not comprehensively covered in this bibliography *not* because of any questions vis à vis peer review or scholarship but because of their volume and their being documented in very many and very widely scattered agency and other web sites, which we did not search. *Had we but world enough, and time ...*

A significant—and large—omission from this bibliography is the very important body of annual and final reports produced by researchers supported by the *Exxon Valdez* Oil Spill Trustee Council (hereafter "Trustees"). The reasons for this are twofold: (1) the sheer number of reports simply precluded their being practicably processed for this bibliography and (2) the Trustees' web site [<http://www.evostc.state.ak.us>] has an excellent retrieval system that provides multiple search options *and*, most usefully, that leads to the full text of reports. We should add that a wealth of other information about the spill will also be found at the Trustees' web site. In addition, the Alaska Resources Library and Information Service (ARLIS; www.arlis.org), in Anchorage, with its excellent and experienced staff and large collection of spill-related Trustee and governmental agency material, is readily available to the public.

In addition to the straightforward inclusion criteria discussed above, there is always the issue of judgments concerning determinations of relevance and whether an item should or should not be included. One cannot simply rely on a paper's being indexed with the terms "*Exxon Valdez*," or, in fact, having "*Exxon Valdez*" in a title or abstract. Science Citation Index, for example, uses an algorithm to assign *Exxon Valdez* as a special index term (KeyWords Plus) if papers meet criteria that indicate that they are likely to be of interest to someone looking for *Valdez* papers, even if the papers have no direct relevance to the *Exxon Valdez* spill. Furthermore, because "*Exxon Valdez*" has, among other things, become a metaphor and simile; a point in time ("not since/before the"); a byword for magnitude ("larger/smaller than the," "more/less harmful than the"); and a term of comparison ("like/unlike the"), its appearance in a title or, especially, an abstract is no guarantee that the paper is actually concerned with any aspect of the *Valdez* spill itself. Thus, one must actually read the full citations and not infrequently the item itself to determine relevance.

Generally speaking, we have tended to over include rather than to exclude citations. If we had to appreciably ponder the inclusion of an item, we simply included it. And, most especially, because we are both affiliated with ExxonMobil, we have been very reluctant to exclude any Trustee-sponsored item. This is particularly true for Trustee-sponsored work that is not itself directly related to the spill, for example, the inclusion in this bibliography of almost all items from the 2004 Trustee bibliography cited below. As a side note, that Trustee bibliography includes master's and bachelor's theses that are otherwise difficult to identify.

The literature searches for this bibliography were done during the week of December 10, 2012. Periodic current-awareness searches have been run, through April 25, 2013, to identify new citations. The databases searched on the Thomson Reuters Web of Knowledge[®] and Web of Science[®] are: BIOSIS; Zoölogical Record; Medline, Science Citation Index; Social Science Citation Index; Arts and Humanities Citation Index; and Conference Proceedings. The databases searched on Chemical Abstracts Service's STN[®] are: CAPlus; PQSCITECH; ESBiobase; COMPENDEX; Pascal; INSPEC; Encomplit; Tulsa; Agricola; NTIS; Energy; GeoRef; Dissertation Abstracts; BIOSIS; Medline; and Science Citation Index. BIOSIS; Medline; and Science Citation Index were searched on STN[®] so that citations from these databases could be removed from the set of citations retrieved from the other STN[®] databases, as these would duplicate citations retrieved from the Web of Knowledge[®] and Web of Science[®] searches. STN[®]'s duplicate removal algorithm was used. The Library of Congress catalog was also searched.

In addition to the above databases, we used: the Trustees' 2004 *Bibliography of Published Research, Dissertations and Theses Sponsored by the Trustee Council* (http://www.evostc.state.ak.us/Universal/Documents/History/08.04%20EVOSTC_CITATIONS.pdf), the most recent such bibliography published by the Trustees; a bibliography of ExxonMobil-sponsored publications (www.valdezsciences.com); a collection of books (especially children's books and works of fiction, etc.) that we have gathered since 1989; an ExxonMobil collection of over 19,000 oil-spill-related materials (not just the *Valdez* spill) that we have obtained since 1989; and the proceedings of the IOSC and AMOP.

We also used the tables of contents of the following sources, the first two of which are key *Exxon Valdez* books:

- Rice, S.D., R.B. Spies, D.A. Wolfe, and B.A. Wright, editors (1996). *Proceedings of the Exxon Valdez Oil Spill Symposium, Anchorage, Alaska, USA, 2-5 February 1993*. Bethesda, MD: American Fisheries Society; Symposium 18; ISBN: 0913235954;
- Wells, P.G., J.N. Butler, and J.S. Hughes, editors (1995). *Exxon Valdez Oil Spill: Fate and Effects in Alaskan Waters*. Philadelphia, PA: American Society for Testing and Materials; ASTM Special Technical Publication 1219; ISBN: 0803118961;

- Bayha, K. and J. Kormendy (1990). *Symposium to Evaluate the Response Effort on Behalf of Sea Otters after the T/V Exxon Valdez Oil Spill into Prince William Sound, Anchorage, Alaska, USA, April 17-19 1990*. U.S. Fish and Wildlife Service Biological Report 90(12): 1-485;
- Loughlin, T.R., editor (1994). *Marine Mammals and the Exxon Valdez*. San Diego, CA: Academic Press; ISBN: 0124561608;
- Hausman, J.A., editor (1993). *Contingent Valuation: A Critical Assessment. Contributions to Economic Analysis*. Amsterdam, The Netherlands: North Holland, Elsevier Science Publishers; ISBN: 0-444-81469-8; and
- Sunstein, C.R., R. Hastie, J.W. Payne, D.A. Schkade, W.K. Viscusi, and D. Kahneman, editors (2002). *Punitive Damages: How Juries Decide*. Chicago, IL: University of Chicago Press; ISBN: 0-226-78014-7 (cloth), 0-226-78015-5 (paperback).

The production of this bibliography would have been totally impractical—indeed impossible—without Thomson Reuters EndNote[®] bibliographic-management software, and more essentially without the expert help of Donna Kirking of Thomson Reuters! She developed the Bibliographic Output Style (through many iterations), searched the Library of Congress catalog (because the EndNote[®] connection tool ran afoul of ExxonMobil’s firewall), answered countless questions, and proactively offered advice without stint or delay. But for bureaucracy, she would have been a coauthor of this bibliography. We also want to acknowledge Andrea Cato of ExxonMobil Upstream Research Company who significantly expedited (through ExxonMobil’s bureaucracy) our access to several Thomson Reuters databases and coverage periods not included in ExxonMobil’s general subscription.

Finally a word about the bibliography’s style. While a truly amazing bibliographic tool, EndNote[®] cannot accomplish all miracles. It had to deal as best it could (which on the whole is very well indeed) with the indexing practices and database field structures of 21 different databases. The old adage that data in governs data out is very true. Thus, EndNote[®] could not provide a single, standard bibliographic format for all document types, and it was totally impracticable for us to manually reformat citations after the bibliography was exported to a Word[®] document. (The variance in styles is particularly seen in conference papers.) Nonetheless, while stylistic uniformity is not up to usual publishing standards, we have worked to be sure that each citation is sufficient to allow a user to find the document. While web addresses are not usually included in the bibliography (and those that are have not been systematically verified), many items can be found on the web. DOI numbers are frequently included to provide easier online access to journal articles. ISBNs have been provided to help with books, particularly our of print books.

We cannot claim that this bibliography is truly exhaustive or that each citation is completely correct. We know, for example, that there are papers in the publication pipeline, some of which could not be included in this bibliography because, while accepted, they are not yet in press. We can only hope that the bibliography is comprehensive enough and correct enough to prove useful. It will certainly provide a starting point for anyone interested in the *Exxon Valdez* oil spill literature nearly 25 years after the spill, or for those dealing with other oil spills.

I. SUBJECT BIBLIOGRAPHY

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|---|---|
| 1. The Exxon Valdez Oil Spill Itself,
T/V Exxon Valdez | 28. Ecological Risk Assessment |
| 2. General, Miscellaneous Subjects | 29. Oceanography, Climatology,
Meteorology |
| 3. Bibliographies | 30. Prince William Sound, Gulf of
Alaska |
| 4. Books | 31. Toxicology |
| 5. Theses, Dissertations | 32. Ecology |
| 6. Other Oil Spills | 33. Bioenergetics, Trophics, Food
Webs |
| 7. Alcohol and Speech | 34. Biomarkers |
| 8. Oil Spill Response, Cleanup | 35. Genetics |
| 9. Shoreline Condition Assessment
Technique (SCAT) | 36. Plants |
| 10. Crisis Management | 37. Invertebrates |
| 11. Natural Resource Damage
Assessment (NRDA) | 38. Salmon |
| 12. Recovery, Restoration | 39. Herring |
| 13. Lessons Learned | 40. Other Fish |
| 14. Policy, Planning | 41. Seabirds |
| 15. Fiction, Music, Memoirs, Poetry,
Art | 42. Harlequin Ducks |
| 16. Ethics, Philosophy, History | 43. Bald Eagles |
| 17. Archaeology, Cultural Resources | 44. Other Birds |
| 18. Education | 45. Sea Otters |
| 19. Communication, Journalism,
Public Relations | 46. River Otters |
| 20. Sociology, Psychology, Political
Science | 47. Seals, Sea Lions |
| 21. Economics | 48. Killer Whales |
| 22. Business, Management | 49. Other Mammals |
| 23. Law | 50. Hydrocarbon, Petroleum
Chemistry |
| 24. Native Issues | 51. Oil in the Water Column |
| 25. Subsistence | 52. Benthos, Subtidal Areas |
| 26. Human Health, Human Services | 53. Oil in Sediments, on Shorelines |
| 27. Methodology, Statistics, Analytical
Methods | 54. Oil Persistence, Fate |
| | 55. Clay/Minerals-Oil Flocculation |
| | 56. Biodegradation, Bioremediation |

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