

## **CHAPTER 6**

### **List of Preparers**

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# Chapter 6 List of Preparers

## 6.1 Programmatic Supplemental Environmental Impact Statement Steering Committee

**Laurie Allen**, Director, Protected Resources Division, NOAA Fisheries Headquarters.

**Dr. James Balsiger**, Regional Administrator, Alaska Regional Office, NOAA Fisheries

**Ronald Berg**, Deputy Regional Administrator, Alaska Regional Office, NOAA Fisheries.

**Nancy Briscoe**, Senior Counselor for Environmental Compliance, The Office of General Counsel Fisheries, NOAA Fisheries.

**James Coe**, Deputy Director, Science & Research, Alaska Fisheries Science Center, NOAA Fisheries.

**Steve Davis**, Fishery Biologist, Alaska Regional Office, NOAA Fisheries.

**Tony DeGange**, Special Assistance for Ecosystems, U.S. Fish and Wildlife Service, Anchorage, Alaska.

**Dr. Doug DeMaster**, Director, Science & Research, Alaska Fisheries Science Center, NOAA Fisheries.

**Kevin Duffy**, Acting Commissioner, Alaska Department of Fish and Game, Anchorage, Alaska.

**Tamra Faris**, Fisheries Biologist, Alaska Regional Office, NOAA Fisheries.

**Earl Krygier**, Extended Jurisdiction Coordinator, Alaska Department of Fish and Game, Anchorage, Alaska.

**Lisa Lindeman**, Alaska Regional Counsel, Office of the Alaska Regional Counsel, Juneau, Alaska, NOAA Fisheries.

**Dr. Richard Marasco**, Director, Resources Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries.

**Joseph McCabe**, Paralegal Specialist, Office of the Alaska General Counsel, Juneau, Alaska, NOAA Fisheries.

**Chris Oliver**, Executive Director, North Pacific Fishery Management Council.

**Lauren Smoker**, Attorney-Advisor, Office of the Alaska General Counsel, Juneau, Alaska, NOAA Fisheries.

## 6.2 Project Team List

### Project Leaders

**Steve Davis**, Programmatic SEIS Project Manager. Fishery Biologist, Alaska Regional Office, NOAA Fisheries. Provided overall project management and leadership of the Alaska Groundfish Programmatic SEIS Project Team. Led scoping meetings, prepared the SEIS outline, and drafted sections in all chapters of the document. Directed and coordinated agency and contract analysts located in Anchorage, Juneau, and Seattle. 20 years of fishery management experience in Alaska. Has drafted or led the preparation of more than 30 National Environmental Policy Act Environmental Impact Statements and Environmental Assessments. Served on the National Research Council's Bering Sea Ecosystem Committee. Has published a substantial body of work in the field of fisheries management and bycatch. Served on the staff of the North Pacific Fishery Management Council (Senior Biologist and Deputy Executive Director), and its Gulf of Alaska Groundfish Plan Team. *B.S. in Biology, University of Puget Sound; M.S. in Fisheries Science, College of Fisheries, University of Washington.*

**Dr. Anne Babcock Hollowed**, Supervisory Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Provided leadership and direction to analysts tasked with model development and analysis of alternatives. Assisted in the preparation of the evaluation of biological impacts of alternatives on walleye pollock, reviewed the gear restrictions and allocation and Total Allowable Catch-setting quality analysis papers and assisted in the preparation of other sections. She has 22 years experience as a fisheries biologist and has worked on North Pacific fisheries issues for the last 19 years. *M.S. in Biological Oceanography, Old Dominion University; Ph.D. in Fisheries, University of Washington.*

### Contributors

**Kerim Aydin**, Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Aided in preparation of ecosystem effects of alternatives. Three years experience with NOAA Fisheries, *Ph.D. (2000) from the School of Aquatic and Fisheries Sciences, University of Washington, Seattle.*

**Sally Bibb**, Economist and Community Development Quota Program Coordinator, Sustainable Fisheries Division, Alaska Regional Office, NOAA Fisheries. Prepared Environmental Consequences section on Effects of the Alternatives on Enforcement and Management, contributed to Community Development Quota program descriptions. Fifteen years experience in fisheries management and research. *M.A. in Agricultural Economics, Washington State University.*

**William G. Clark**, Quantitative Scientist, International Pacific Halibut Commission. Assisted with various report sections dealing with Pacific halibut. Extensive experience in stock assessment and population dynamics; presently senior International Pacific Halibut Commission assessment scientist. *B.A. Economics, University of Michigan; Ph.D. Fisheries, University of Washington.*

- David Clausen**, Research Fisheries Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NOAA Fisheries. Contributed to analysis of the effects of proposed fishery management alternatives on Gulf of Alaska shorttraker/rougheye rockfish, other slope rockfish, and pelagic shelf rockfish. Twenty-five experience with NOAA Fisheries working on Alaskan groundfish. *B.A. in Biology, Occidental College, California.*
- Catherine Coon**, Fisheries Analyst/Geographic Information System specialist, North Pacific Fishery Management Council. Prepared tables on history of regulatory closure areas. Seven years experience as fisheries biologist. *M.S. in Fisheries Science, University of Alaska, Fairbanks.*
- Dean Courtney**, Research Fisheries Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NOAA Fisheries. Prepared impact of alternatives sections on Gulf of Alaska Pacific ocean perch and Gulf of Alaska northern rockfish. Four years experience with the Auke Bay Laboratory working on sablefish and rockfish. *M.S. in Fisheries, University of Alaska, School of Fisheries and Ocean Science.*
- Jane DiCosimo**, Senior Plan Coordinator, North Pacific Fishery Management Council. Nineteen years experience as a fisheries biologist with State and Federal agencies. Assisted in preparation of Fishery Management Plan summaries and prepared sections reflecting current management regime with regard to target and non-target species. *B.A. Rutgers University; M.S. Virginia Institute of Marine Sciences, College of William and Mary.*
- Elaine Dinneford**, Fisheries Analyst, North Pacific Fishery Management Council. Provided catcher vessel harvest data. Over 22 years experience evaluating, maintaining, and presenting Alaska fisheries harvest data for the State of Alaska Commercial Fisheries Entry Commission and North Pacific Fishery Management Council. *B.S. in Microbiology Humboldt State College, California.*
- Dr. Martin Dorn**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Assisted with the writing of the section on target species impacts. Fifteen years of experience in fishery biology/population dynamics and groundfish stock assessment modeling. *M.S. in Biomathematics, Ph.D. in Fisheries, University of Washington.*
- Gary Duker**, Technical Publications Writer/Editor (Biological Sciences), Office of the Science and Research Director, Alaska Fisheries Science Center, NOAA Fisheries. Edited second version of the Programmatic SEIS and also assisted with layout of the second version. Ten years experience as a fisheries biologist and 16 years experience as a writer/editor for NOAA Fisheries. *B.S. in Biology, San Diego State College; M.S. in Fisheries Science, University of Washington.*
- Matthew Eagleton**, Fisheries Biologist, Habitat Conservation Division, Alaska Regional Field Office, NOAA Fisheries. Co-member Marine Habitat/Essential Fish Habitat. Contributed to analysis of the baseline environment in Chapter 3 and alternatives analysis in Chapter 4. Technical review and input to the Essential Fish Habitat/Marine Protected Area Qualitative Analysis Paper. Provided guidance and recommendations specific to the provisions of Essential Fish Habitat and Marine Protected Areas. Over 15 years experience with NOAA Fisheries Research Platforms and Alaska Regional Management. Former NOAA Corps Officer with specific emphasis on Alaska fisheries including fishery stock and oceanic investigations aboard the *NOAAS Miller Freeman*, *NOAAS John N. Cobb*, and *NOAA 1273* operating in the Bering Sea, Aleutian Islands, Gulf of Alaska, North Pacific Ocean, and Beaufort Sea, respectively. *B.S. in Biological Sciences, Montana State University; NOAA Corps Commissioned Officer, U.S. Merchant Marine Academy, Kings Point, New York.*

**Diana Evans**, NEPA Specialist, North Pacific Fishery Management Council. Assisted in project management and development of revised draft alternatives. Prepared Fishery Management Plan Amendment analysis, assisted with Fishery Management Plan summaries. Assisted with drafting policy analysis. Three years experience preparing environmental impact statements on pelagic and groundfish fisheries off Hawaii and Alaska. *B.A. Geography and Linguistics, University of California, Berkeley; M.S. Geography, King's College London, University of London.*

**Ron Felthoven**, Industry Economist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Provided comments on the impacts of each alternative on overcapacity and on the current programs implemented to reduce overcapacity. Two years as an economist with NOAA Fisheries. *M.S. and Ph.D. in Natural Resource and Environmental Economics, Department of Agricultural and Resource Economics, University of California, Davis.*

**Jennifer Ferdinand**, Fishery Biologist, North Pacific Groundfish Observer Program. Authored the Observer Program Qualitative Analysis paper. Worked in the Observer Program office and currently works with the Information Services task on data quality issues. Main author of the “North Pacific Groundfish Observer Manual,” distributed annually. Also co-authored the Observer Program’s Management Control Review in 2000. *B.S. Environmental and Forest Biology, State University of New York College of Environmental Science and Forestry, Syracuse, New York.*

**Shannon Fitzgerald**, Fishery Biologist, Fisheries Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Currently works as the specialist for seabird/fishery interactions at the Alaska Fisheries Science Center and was until recently the Observer Services subtask leader in the North Pacific Groundfish Observer Program. Provided reviews for the seabird and observer program components of the document. Has observer program experience in several programs off and on over the last 20 years, including the Tuna/Porpoise, High Seas Driftnet, Alaska Groundfish Joint Venture, and Alaska domestic groundfish programs. Seabird experience focusing on fishery interactions has been ongoing for the last 13 years. This includes specific work in the high seas driftnet observer program, several research cruises in the North Pacific Transition Zone, acting as the seabird specialist withing the North Pacific Groundfish Observer Program, and close collaboration with Washington Sea Grant during studies to test various seabird deterrent devices in demersal longline fisheries. Fitzgerald has also done extensive marine mammal surveys that include the Eastern Tropical Pacific, Antarctic, the North Pacific Transition Zone, and Alaskan waters. *B.S. Wildlife Biology, University of Minnesota; M.S. Wildlife Ecology, University of Wisconsin.*

**Lowell Fritz**, Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Assisted in the preparation of alternatives and determination of alternative impacts. Twelve years experience as a fisheries biologist with NOAA Fisheries, and 12 years experience as a marine biologist with Rutgers University, New Jersey, and College of William and Mary, Virginia. *M.S. in Marine Science, Virginia Institute of Marine Science, College of William and Mary.*

**Dr. Jeff Fujioka**, Mathematical Statistician, Auke Bay Laboratory, Alaska Fisheries Science Center, NOAA Fisheries. Worked on preparation of impact of alternatives section on habitat. Developed habitat impact model applied in habitat analysis. Thirty-five years experience in fisheries biology, 20 years experience in groundfish research. *Ph.D. in Fisheries, University of Washington.*

- Brandee Gerke**, Fishery Biologist, Protected Resources Division, Alaska Regional Office, NOAA Fisheries. Co-authored the marine mammal section of Chapter 4. Over six years experience specializing in state and federal marine resource issues in Alaska. Marine mammal and fishery project involvement includes assessment of Steller sea lion and groundfish fishery interactions, technical review of Steller sea lion research projects, analyses for evaluating proposed critical habitat for endangered Northern Right Whales, and conducting effects analyses of various federal projects on marine mammals in compliance with the Endangered Species Act, Marine Mammal Protection Act, and National Environmental Protection Act. *B.S. Fisheries Science, Oregon State University; M.S. Fisheries, University of Alaska, Fairbanks.*
- Jay Ginter**, Fishery Management Biologist, Sustainable Fisheries Division, Alaska Region, NOAA Fisheries. Prepared sections of the fishery management process and early (pre-1976) history of the groundfish fisheries. Twenty-three years experience working in federal fisheries management, the most recent 18 years have been in the Alaska Region. *M.S. in Marine Environmental Studies, State University of New York; additional graduate study in Marine Fisheries Management, University of Washington.*
- Jim Hale**, Technical Writer-Editor, Analytical Team, Alaska Regional Office, NOAA Fisheries. Edited the document for clarity and consistency. With over 15 years of technical writing experience in private and public sectors, he has given technical writing seminars to staff at Alaska Department of Fish & Game and at Alaska Department of Transportation (where he also served as a writing consultant). He has taught English literature and composition at Rutgers University, Central Washington University, and the University of Alaska Southeast; has held fellowships from the Folger Institute for Renaissance Studies in Washington, D.C., and from the U.S. Department of Higher Education; and has published essays and presented papers on topics ranging from the politics of 17<sup>th</sup> century theology to subsistence fishing issues in the poetry of contemporary Alaska Natives. *B.A. in Literature, Ramapo College; M.A., M.Phil., Rutgers University.*
- Dr. Jonathan Heifetz**, Fishery Research Biologist, Auke Bay Laboratory, Alaska Fisheries Science Center, NOAA Fisheries. Co-author of the effects of the alternatives on essential fish habitat. Reviewed the Gulf of Alaska Pacific ocean perch and essential fish habitat sections of Chapter 3 and the marine protected areas and essential fish habitat qualitative analysis paper. Nineteen years experience as a fisheries biologist involved with stock assessment and effects of fishing gear on benthic habitat. *M.S. in Fisheries, Humboldt State University; Ph.D. in Fisheries University of Alaska, Fairbanks.*
- Nick Hindman**, Fisheries biologist, Sustainable Fisheries Division, Alaska Region, NOAA Fisheries. Co-authored “Descriptions of Fisheries in the Bering Sea and Aleutian Islands” in Chapter 2. Nine years experience managing commercial fisheries, six years experience conducting fisheries research. *B.S. in Fisheries, University of Idaho.*
- Dr. Dan Holland**, Economist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Assisted with developing the Alternative 6 model regime; preparing data for the models used to make the catch, exvessel value and product value projections for the six alternative model regimes; summarizing those projections; and describing the expected effects of the Alternative 6 model regime. Four years experience assessing fishery management issues including two years at the Alaska Fisheries Science Center. *Ph.D. in Economics, University of Rhode Island.*

**Dr. James Ianelli**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Developed the multispecies management model used as background for the Programmatic SEIS and assisted in the preparation of a number of subsections. Over 20 years of experience in fisheries research and contributes annually to a number of stock assessment and fishery evaluation documents. *Ph.D. University of Washington.*

**Jim Ingraham**, Oceanographer, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Assisted in the preparation of Chapter 3.3, Physical Oceanography of the Fisheries Management Units. Forty years of experience in physical oceanography with NOAA Fisheries in Seattle, WA. *M.S. in Oceanography, University of Washington, Seattle, Washington.*

**Dr. Daniel Ito**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Assisted in the coordination and preparation of alternatives and determination of alternative impacts, as well as assisted in the preparation of other sections. Over 25 years experience as a fishery biologist with NOAA Fisheries. *Ph.D. in Fisheries, University of Washington.*

**Nicole Kimball**, Fisheries Analyst, North Pacific Fishery Management Council. Prepared sections on effects of the current regime on marine mammals and seabirds and was a major contributor to the Fishery Management Plan amendment summaries. More than four years experience as an analyst with the North Pacific Fishery Management Council, three years as a coastal planner, and two years as an environmental scientist. *B.S. in Natural Resource Management and M.A. in Environmental Policy Tufts University.*

**James Lee**, Writer-Editor, Office of the Science and Research Director, Alaska Fisheries Science Center, NOAA Fisheries. Edited document and assisted with layout. Seventeen years experience in fisheries research with the Alaska Department of Fish & Game, Oregon Department of Fish & Wildlife, and NOAA Fisheries. *B.S. in Fisheries and Technical Journalism, Oregon State University.*

**Steve G. Lewis**, Geographic Information System Analyst and Coordinator, Analytical Team, Alaska Region, NOAA Fisheries. More than four years of experience in the Fisheries Geographic Information System field. Past projects include Essential Fish Habitat mapping and Internet applications, staff member on the Steller Sea Lion Reasonable and Prudent Alternatives Committee, developer of interactive Steller Reasonable and Prudent Alternatives closure selector, and several user-friendly applications for finding spatial closures and corresponding regulations. Analytical projects have included working within a team to develop meaningful spatial measures and providing descriptive spatial statistics for the Programmatic SEIS. Project included developing a complex Catch-In-Areas and redistribution of effort database. *B.Ed, Secondary, University of Alaska - Southeast, Juneau.*

**Patricia Livingston**, Fishery Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Prepared effects of the alternatives on the ecosystem and assisted in the preparation of the ecosystem section of Chapter 3. Twenty-five years experience in trophic ecology and ecosystem modeling of North Pacific ecosystems. Program leader of Resource Ecology and Ecosystem Modeling Program. *M.S. in Quantitative Fisheries Management, and MPA in Natural Resource Administration, University of Washington.*

**Dr. Thomas R. Loughlin**, Wildlife Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NOAA Fisheries. Helped prepare marine mammal section and reviewer for impact sections. Twenty-five years as a marine biologist. *M.A. in Biology, Humboldt State University; Ph.D. UCLA.*



- Sandra Lowe**, Research Fisheries Biologist, Resource Ecology and Fisheries Management, Alaska Fisheries Science Center, NOAA Fisheries. Assisted in the preparation of the impacts of the alternatives on target groundfish species. Conducted review of the Atka mackerel section of Chapter 3. Twenty years experience as a fisheries biologist working on stock assessments of North Pacific groundfish. Member of the North Pacific Fishery Management Council's Gulf of Alaska Plan Team since 1987, and has chaired the Plan Team since 1991. *M.S. in Fisheries, University of Washington.*
- Dr. Robert McConnaughey**, Fisheries Biologist, Resource Assessment and Conservation Engineering Division, Alaska Fisheries Science Center, NOAA Fisheries. Member of Habitat Working Group. Also contributed to sections on fishing gear effects, benthic invertebrates, Habitat Areas of Particular Concern and Bering Sea substrates. *B.S. in Zoology and M.S. in Marine and Estuarine Environmental Sciences, University of Maryland; Ph. D. in Fisheries Science, University of Washington.*
- Jon McCracken**, Economist, North Pacific Fishery Management Council. Assisted in preparation of Fishery Management Plan summaries. Four years experience as a Council analyst, 12 years as an economist. *B.A. Economics, University of Northern Colorado; M.S. Resource Economics, University of Alaska, Fairbanks.*
- Mark W. Nelson**, Fisheries Biologist, Stock Assessment Scientist, Pacific States Marine Fisheries Commission. Wrote the forage species section of Chapter 4 and reviewed the forage species section of Chapter 3 in the current document. 5 years experience working on the trophic interactions of groundfish species in Alaskan waters and on the West Coast. Currently on staff at Pacific States Marine Fisheries Commission developing a stock assessment for the forage species category. *B.S. Fisheries Biology, and currently working on a M.S. Fisheries Biology, University of Washington, Seattle, Washington.*
- Victoria O'Connell**, Fisheries Biologist, Groundfish Project, Southeast Region, Alaska Department of Fish and Game. Prepared impact of alternatives section on demersal shelf rockfish. Twenty years of experience as a fishery biologist related to research and management of commercial marine fisheries. *B.S. University of Washington, School of Fisheries.*
- Dr. Clarence Pautzke**, Executive Director, North Pacific Research Board (starting January 1, 2002), and ex-Executive Director of the North Pacific Fishery Management Council (1988-2001). Advising the U.S. Secretary of Commerce on management of fisheries in the federal 3 to 200 mile Exclusive Economic Zone off Alaska since 1988. Prepared the Evolution of Fishery Management Plans. Eight years experience as the Council's Deputy Director from 1980 to 1988, and Assistant to the Executive Director of the Pacific States Marine Fisheries Commission in Portland, Oregon, from 1978 to 1980. *Ph. D. in Oceanography, University of Washington, Seattle.*
- Kim Rivera**, Wildlife Biologist, Protected Resources Division, Alaska Regional Office, NOAA Fisheries. Contributed to the Environmental Consequences section on seabirds, contributed material to Affected Environment sections about Endangered Species Act Considerations for seabirds, and coordinated review by US Fish and Wildlife Service of some seabird sections. Nine years experience with NOAA Fisheries. *M.S. in Zoology, Colorado State University.*

- Dr. Craig S. Rose**, Research Fisheries Biologist, Resource Assessment and Conservation Engineering Division, Alaska Fisheries Science Center, NOAA Fisheries. Participated in preparing summary of research on effects on fishing on seabed communities and analysis of effects on essential fish habitat. Twenty-five years experience as a fisheries biologist, and team leader of the Alaska Fisheries Science Center fishing gear research program for 15 years. *M.S. and Ph.D. in Fisheries Biology, University of Washington.*
- Susan Salvesson**, Assistant Administrator, Sustainable Fisheries Division, Alaska Region, NOAA Fisheries. Prepared Description of Fisheries in the Bering Sea/Aleutian Island and Gulf of Alaska. Twenty years experience as a fisheries biologist. *M.S. in Fisheries Biology, University of Alaska, Southeast.*
- Jennifer Sepez**, Anthropologist, Economics and Social Science Research Program, Alaska Fisheries Science Center, NOAA Fisheries. Reviewed and commented on sections on Subsistence, Environmental Justice Existing Conditions, Community Development Quota Program, and Historical Overview. Also reviewed Alaska Natives Qualitative Analysis Paper. *M.A Cultural Anthropology, and Ph. D. Environmental Anthropology, University of Washington.*
- Maria Shawback**, Graphic Artist/Secretary, North Pacific Fishery Management Council. Formatted and finalized the Programmatic SEIS Fishery Management Plan Amendment summaries document for publication and coordinated the graphics and layout throughout. Eight years experience working with computer graphics, websites, and providing administrative support, the last year with the North Pacific Fishery Management Council. *BFA in Commercial Art, Utah State University, Logan, Utah.*
- Kim Shelden**, Marine Biologist, National Marine Mammal Laboratory, Alaska Fisheries Science Center, NOAA Fisheries. Review of Section 3.8 (cetaceans). Thirteen years evaluating abundance and distribution of marine mammals in Alaska, Washington, and California waters. *B.S. Environmental Science/Marine Studies, Rutgers University; M.M.A. Marine Policy/Conservation Biology, University of Washington.*
- Dr. Michael Sigler**, Mathematical Statistician, Auke Bay Laboratory, Alaska Fisheries Science Center, NOAA Fisheries. Prepared impacts of the alternatives on sablefish in Alaska. Nineteen years experience with stock assessment and population dynamics. *B.S. and M.S. Cornell University; Ph.D. University of Washington.*
- Dr. Paul Spencer**, Research Fisheries Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Contributed to the effects of the alternatives on essential fish habitat section, and prepared the impact of the alternatives section on Bering Sea/Aleutian Island Pacific ocean perch, other red rockfish, flathead sole and other flatfish. Conducted reviews of the Bering Sea/Aleutian Islands Pacific ocean perch and other rockfish sections of Chapter 3. Seventeen years experience in fisheries biology/population dynamics and stock assessment modeling. *Ph.D. in Oceanography, University of Rhode Island.*

**Dr. Diana L. Stram**, Plan Coordinator/Oceanographer, North Pacific Fishery Management Council. Served as an analyst and dedicated project coordinator between NOAA Fisheries and contractor. Provided assistance to the Project Manager throughout document development and preparation. Assisted in the development of programmatic alternatives for the revised draft, drafted sections of the revised document and assisted in the review and synthesis of comments on the previous draft and preparation of the comment analysis report. Eight years experience in oceanographic research and coastal resource management, two years experience in Alaskan fisheries-related Environmental Impact Statements/Environmental Assessments. *B.A. Geology, Colgate University; Ph.D. Oceanography, University of Rhode Island.*

**Dr. Joe Terry**, Economist, Economic and Social Sciences Research Program Leader, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Assisted with developing the Alternative 3 model regime; preparing exvessel price data used in the catch optimization models, preparing the catch distribution data that were used to apportion catch optimization model output by processing sector and vessel category, preparing product value per unit of retained catch data used to estimate product value by processing sector, and reviewing several sections. Twenty-six years of experience assessing effects on fisheries off Alaska. *Ph.D. in Economics, University of California, Santa Barbara.*

**Dr. Grant Thompson**, Fisheries Research Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Prepared the evaluation of biological impacts of alternatives on Pacific cod as a target species. Conducted reviews of the Pacific cod section of Chapter 3 and the Total Allowable Catch-setting and spatial and temporal management qualitative analysis papers. Twenty-two years experience in fisheries research. Currently a stock assessment analyst and is responsible for contribution to two stock assessment and fishery evaluation documents for the North Pacific Fishery Management Council. *M.S., Ph.D. Oregon State University.*

**Benjamin J. Turnock**, Fishery Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Prepared the Arrowtooth flounder and other flatfish in the Gulf of Alaska sections. Twenty years experience as a fishery biologist working on stock assessment of marine fish, population dynamics modeling and population estimation methods of fish and marine mammals. *Working on a Ph.D. in Fisheries Science at the University of Washington.*

**Tom Wilderbuer**, Fishery Biologist, Resource Ecology and Fisheries Management Division, Alaska Fisheries Science Center, NOAA Fisheries. Prepared impact analyses sections on Bering Sea and Gulf of Alaska flatfish species. Twenty-two years experience as a fishery biologist working on stock assessment of flatfish populations off Alaska. *M.S. degree in Fisheries, University of Washington.*

**David Witherell**, Deputy Director, North Pacific Fishery Management Council. Prepared discussion of ecosystem-based management and history of habitat protection measures. Eighteen years of experience as a fisheries biologist. *M.S. in Fisheries Biology, University of Massachusetts, Amherst.*

## 6.3 Consultant Team List

### Project Leaders

**Jon Isaacs**, Associate Planner, Director of Business Development, URS Anchorage. Consultant team project manager. Assisted with Environmental Impact Statement scoping and issue identification; lead for National Environmental Policy Act process oversight; contributor to cumulative effects analysis. Twenty-eight years of Alaska experience, primarily in National Environmental Policy Act compliance, coastal management and community planning. Participated in preparation of 16 Environmental Impact Statements and numerous Environmental Assessments. *B.A. Environmental Studies, University of California, Santa Barbara; Graduate Studies Planning and Economics, University of Alaska, Anchorage.*

**Anne Maki**, Consultant Team Deputy Project Manager, URS Anchorage. Responsible for project team coordination and oversight. Co-task leader for ecosystem and resource issues for the consultant team. Contributor to the development of cumulative impact analysis, socioeconomic sections of Chapter 3, socioeconomic cumulative effects in Chapter 4, and the Alaska Native Issues qualitative analysis paper. Over three years of experience preparing National Environmental Policy Act documents. Ms. Maki has a broad technical background including water quality assessment and ecological risk assessment. *B.S. Environmental Science and Communications, Indiana University, Bloomington, Indiana; M.S. Environmental Science - Water Quality, University of North Texas, Denton, Texas.*

### Task Leaders

**Sue Ban**, Project Biologist, URS Anchorage. Co-task leader for cumulative impact analysis for the consultant team. Coordinated historical review and development of cumulative impact analysis approach; assimilated impact analyses from environmental consequences narratives, co-author of the target fish and the essential fish habitat sections of Chapter 3. She was also the primary author for the marine protected areas and essential fish habitat qualitative paper. Prepared comment analyses, response to comments, the Comment Analysis Report for the first Draft Programmatic SEIS. Eighteen years of experience in Environmental Impact Statements/Environmental Assessments and ecological risk assessments under National Environmental Policy Act. *B.S. Biology, Pennsylvania State University; M.S. Biological Oceanography, Florida Institute of Technology.*

**Marcus Hartley**, Senior Economist, Northern Economics, Inc. Serves as the Socioeconomics task leader for the project consultants. Coordinated preparation of the sector and regional profiles. Twelve years of direct experience as a fisheries economist in Alaska, four years as Senior Economist for the North Pacific Fishery Management Council, and three years as senior economist with Northern Economics. Has prepared more than 15 Environmental Impact Statements/Environmental Assessments on fisheries in Alaska. *B.A. History, Lewis and Clark College; M.S. Agriculture and Resource Economics, Oregon State University.*

**Joyce Payne**, Biologist and Certified Entomologist, URS Anchorage. Assisted consultant team in the historical review of cumulative impacts issues. Coordinated efforts on Chapter 3 and developed the past effects criteria for analysis; co-authored Chapter 3 sections general approach and methods and Fishery Management Plan analysis; and documentation of response to comments. Ms. Payne has a broad background of technical experience in bioassessments, fauna and flora surveys, environmental sampling, data management, educational material development, and implementation of National Pollutant Discharge Elimination System compliance programs. *B.S. Agricultural Biology, and M.S. Agricultural Biology, Entomology Option, New Mexico State University.*

**Donald M. Schug**, Socioeconomic Analyst, Northern Economics, Inc. Co-task leader with Marcus Hartley for economic issues for the consultant team. Co-authored the harvesting and processing sector profiles, market channels and benefits to U.S. consumers, and non-market goods and services sections of Chapter 3 and the overcapacity, gear restrictions and allocations (with Richard Tremaine), and data and reporting requirements qualitative analysis papers. Professional experience includes a wide range of fisheries-related research and applied work in the United States and abroad. He has worked extensively in the Pacific islands and was staff economist of the Western Pacific Fishery Management Council. *B.S. Biology, Eckerd College; M.S. Oceanography, University of South Florida; M.S. Agricultural and Resource Economics, and Ph.D. Geography, University of Hawaii.*

## Contributors

**Patrick Burden**, President and Principal Economist of Northern Economics, Inc., Anchorage. Contributor and senior reviewer for socioeconomic evaluation and assessment for the consultant team. Twenty-five years of economic consulting experience, including significant involvement in analyzing impacts of groundfish and crab management regulations on communities and infrastructure development projects throughout Alaska. *B.S. Business Administration, and M.S. Economic Geography, Portland State University; Graduate work toward Ph.D. with emphasis on regional economics and modeling, University of Washington.*

**Kimberli Busse**, Staff Biologist, URS Anchorage. Assisted in public comment analysis, documentation, and Access database entry for the 2001 Draft Programmatic SEIS Comment Analysis Report. Co-authored revisions of various “other” and “non-specified” species sections, and assisted in revisions of marine mammals and seabirds sections for the 2003 Draft Programmatic SEIS. Over 5 years of experience specializing in technical writing and biological studies. *B.S. Biology, Loyola Marymount University, Los Angeles, California.*

**Dr. Joseph Colonell**, Principal Engineer and Oceanographer, URS Anchorage. Co-authored physical oceanography section of Chapter 3. Over 35 years of experience conducting and managing physical oceanographic studies, environmental baseline investigations, and marine engineering. His physical oceanographic work includes research on deep-water exchange processes between Gulf of Alaska and fjords and inlets along southeast and southcentral Alaska coast; baseline investigations and assessments of environmental impacts of resource development activities along coasts of Gulf of Alaska, and Bering, Chukchi and Beaufort Seas; and development of engineering design criteria for offshore platforms, subsea pipelines, and wastewater outfalls in virtually all Alaska coastal waters, several locations on U.S. Pacific and Atlantic coasts and Caribbean, Caspian, and South China Seas. *B.S. Civil Engineering, University of Colorado, Boulder; M.S. Civil Engineering and Applied Mathematics, Washington State University, Pullman; Ph.D. Civil Engineering and Applied Mathematics, Stanford University, Palo Alto, California.*

**Joyce Congdon**, Word Processor, URS Anchorage. Served as Senior Word Processor during the preparation of this Programmatic SEIS. Twenty-five years of keyboarding and administrative experience. Responsible for coordination and preparation of all types of written and electronic deliverables. *A.A. General Studies, University of Alaska, Anchorage.*

**Dr. Michael Downs**, Principal and Senior Social Scientist, EDAW, Inc. Author of the regional, Community Development Quota, subsistence, environmental, and environmental justice components of the socioeconomic analysis for the consultant team. Has performed socioeconomic assessments related to resource development and management in Alaska for the past 22 years, as well as in Hawaii, the lower 48, and the Caribbean. Thirteen years experience with North Pacific groundfish management social impact assessment as a contractor to the North Pacific Fishery Management Council. *Ph.D. Cultural Anthropology, University of California, San Diego.*

**Laura L. Desmond**, Marketing Coordinator, URS Anchorage. Assisted with document review and consolidation for the consultant team, and provided NOAA Fisheries support. Ms. Desmond has two years of experience writing proposals, and coordinates marketing for the Anchorage office. *B.S. Business Administration, in progress, University of Alaska.*

**Dave Erikson**, Senior Biologist, URS Homer. Co-authored the marine mammals, and seabirds sections of Chapter 3 and 4 and the Steller sea lion protection measures and seabird protection measures qualitative analysis papers. Over 20 years of experience specializing in biological studies. His coastal and marine ecosystem project involvement includes early baseline studies for the Outer Continental Shelf Environmental Assessment Program in Cook Inlet, Prince William Sound and the Gulf of Alaska; shoreline damage assessment studies following the *Exxon Valdez* Oil Spill; and a wide range of terrestrial and marine environmental studies in support of EISs on resource development projects in Alaska. *B.S. Wildlife Biology, and M.S. Biology, University of Nevada, Reno, Nevada.*

**Dr. Robert Fechhelm**, Senior Fisheries Biologist/Ecologist, LGL Alaska Research Associates, Inc. Twenty-one years of experience in Alaskan fisheries research. Co-authored qualitative review of bycatch policy alternatives under consideration by the North Pacific Fishery Management Council. Member of consultant team contributing to the Alaska Groundfish Fisheries Draft Programmatic SEIS cumulative effects section. Assisted with preparation of EISs for the U.S. Navy, U.S. Air Force, and Minerals Management Service. Principal author addressing fishery issues for an EIS of a planned offshore gas pipeline in northern Alaska/Canada. Principal author for the background section on freshwater and anadromous fisheries, and co-author of the marine, freshwater, and anadromous fish cumulative impact sections for a 30-year update Environmental Assessment/Environmental Impact Statement of the Trans-Alaskan Pipeline System. *B.S. Marine Science, Southampton College, New York; M.S. Wildlife and Fisheries Sciences, and Ph.D. Wildlife and Fisheries Sciences, Texas A&M University.*

**Dr. Benny Gallaway**, Senior Fisheries Ecologist and President, LGL Ecological Research Associates, Inc. Thirty years of experience dealing with fishery and environmental impact assessment issues in Alaska and the Gulf of Mexico. Co-authored qualitative review of bycatch policy alternatives and TAC alternatives under consideration by the North Pacific Fishery Management Council. Prepared a series of impact assessments for the Trans-Alaska Pipeline Liability Fund regarding the *Exxon Valdez* oil spill. Provided expert testimony before the senior review board of the U.S. Army Corp of Engineers, Washington, D.C., regarding potential environmental impacts of Arctic oil exploration and development. Author of 53 peer-reviewed publications. *Ph.D. Wildlife and Fisheries Sciences, Texas A&M University.*

**Richard Kleinleder**, Biologist, URS Homer. Co-authored the threatened and endangered species, marine mammal, and seabird sections of Chapter 3, the seabird protection measures and Steller sea lion protection measures qualitative analysis papers, and the seabird section of Chapter 4. Also contributed to Chapters 1 and 2 and the Appendices. Over 20 years of experience in terrestrial and marine biological studies throughout Alaska. Adjunct Faculty in ornithology at Kenai Peninsula College, Kachemak Bay Branch. Certified Ecologist with the Ecological Society of America. *B.S. Biology and Environmental Studies, Indiana University, Bloomington; M.S. Biology, University of Alaska, Fairbanks*

**Earl L. Kubaskie, Jr.**, CADD/TI Supervisor, URS Anchorage. Assisted with report production and technical illustration. Ten years of technical experience working on National Environmental Policy Act projects.

**Colleen Lavery**, Environmental Planner, URS Anchorage. Co-authored/edited Historical Overview, Regional Socioeconomic Profiles, Community Development Quota Program, and Market Channels and Benefits sections of Chapter 3, the socioeconomic cumulative impact analysis section of Chapter 4, and the Alaska Native Issues paper. Ms. Lavery specializes in economic and socioeconomic analysis, as well as cumulative effects analysis and elements of subsistence, Native issues, and Environmental Justice. Other relevant experience includes preparation of the City of Seward Comprehensive Plan, North Pacific Fishery Management Council Bering Sea Aleutian Islands Crab Environmental Impact Statement, and the City of Sand Point Economic Development Strategy Plan. *B.S. Forestry and Natural Resources Management, concentration in Facilitation, California Polytechnic State University, San Luis Obispo, California.*

- Kristin Marsh**, Field Technician, URS Anchorage. Co-author of the target and forage fish species of Chapter 3 and assisted with the physical environment section. Conducted the cumulative effects analysis of target and forage fish. Assisted with response to comments, list of preparers and document preparation. Three years experience in wetland delineations and environmental sampling. *B.A. in Environmental Science, Biology Concentration, in progress, Alaska Pacific University.*
- Kelley Nixon**, Environmental Technician, URS Anchorage. Assisted in the review of technical papers, books, and other documents to identify potential sources of Traditional Knowledge for incorporation in the Environmental Impact Statement. *B.A. Sociology, Rhodes College, Memphis Tennessee.*
- Becky Romano**, Environmental Scientist/Toxicologist, URS Anchorage. Co-author of the prohibited species, other species, and non-specified species sections of Chapter 3. Updated comparative baseline data and authored cumulative effects sections of Chapter 4 for the non-target species. Developed tables and figures inventory. Four years of experience in regulatory toxicology, chemical compliance, and occupational risk assessment. *B.S. Animal Science, Michigan State University, E. Lansing, Michigan; Dual M.S. Animal Science and Toxicology, Oregon State University, Corvallis, Oregon.*
- Robert Senner**, Senior Scientist, URS Fairbanks. Responsible for developing the cumulative effects methodology and co-author of the Chapter 3 and Chapter 4 ecosystem sections. Twenty-five years of Alaskan experience as a National Environmental Policy Act specialist responsible for environmental program management, impact assessment, and preparation of National Environmental Policy Act documents. *B.S. Biology, Yale University; D.Phil. Certification Physiology, University of St. Andrews; Ph.D. Candidate, Public Policy, The University of Texas, Austin.*
- Rachael G. Stavley**, Environmental Technician, URS Anchorage. Coordinated document review and consolidation for the consultant team, and provided NOAA Fisheries support. Ms. Stavley has five years of experience in research and synthesis of documents and data in support of Environmental Impact Statements and Environmental Assessments. *B.S. Natural Sciences, in progress, University of Alaska.*
- Ivan Vasquez**, Word Processor, URS Anchorage. Served as Lead Word Processor during the preparation of the Final Programmatic SEIS. Twenty years of keyboarding and graphics experience. Responsible for coordination and preparation of all types of written and electronic deliverables.
- Laura A. Young**, Technical Illustrator, URS Anchorage. Ms. Young has more than 13 years experience as an environmental and engineering technician. She is responsible for performing all phases of project work including: management, work plan and scope development, data collection, data interpretation, literature reviews, CAD and Geographic Information System, and reporting. Ms. Young assisted with public hearings, graphics development, coordination of document production, and document review and consolidation for the consultant team. *B.S. Environmental Studies, in progress, University of Alaska, Anchorage.*



#### **6.4 Individuals, Agencies, and Organizations Consulted during the Preparation of this Programmatic SEIS**

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