

Michael A. Downs, Ph.D.
Wislow Research

Professional Experience

- July 2018 – Present: *Owner*, Wislow Research Associates LLC, a Certified B Corporation¹
- February 2016 – May 2019: *Senior Social Scientist*, Northern Economics, Inc.
- Sept 1997 – Jan 2016: *Vice President/Principal/Senior Social Scientist*, AECOM, Inc.²
- June 1981 – Sept 1997: *Vice President/Senior Social Scientist*, Impact Assessment, Inc.

Education

- Ph.D., Anthropology, University of California - San Diego, 1985
- M.A., Anthropology, University of California - San Diego, 1981
- B.A., Psychology and Anthropology, University of Michigan, 1979

Current Affiliations

- American Fisheries Society
- Society for Applied Anthropology
- North American Association of Fisheries Economists
- International Institute of Fisheries Economics & Trade
- Member, North Pacific Fishery Management Council Scientific and Statistical Committee
- Member, North Pacific Fishery Management Council Social Science Planning Team

North Pacific/Alaska Fisheries Experience (Wislow Research)

- **Pacific States Marine Fisheries Commission in cooperation with the National Oceanic and Atmospheric Administration and the Alaska Department of Fish and Game, Socioeconomic Impacts of Fishery Disasters on and Pathways to Resilience for Subsistence Users in the Chignik Region of Alaska.** Working with Northern Economics, Inc. and the Chignik Intertribal Coalition, Wislow Research is systematically researching the socioeconomic effects of the Chignik sockeye salmon fishery disasters on subsistence users in the region related to food security, food replacement, community changes, and other concerns resulting from the fishery disasters, including impacts on relationships between commercial and subsistence fishing. Mike Downs will be involved with substantive fieldwork in the Chignik communities and lead the social impacts portion of the analysis. Project in progress.
- **National Marine Fisheries Service and North Pacific Fishery Management Council, Proposed Amendment to the Salmon Fisheries Management Plan for the Exclusive Economic Zone Off Alaska.** Principal Investigator (PI)/lead author on the social impact assessment (SIA) component of an Environmental Assessment/Regulatory Impact Review (EA/RIR) for proposed changes in management of the drift gillnet commercial and saltwater sport salmon fisheries that occur in the Upper Cook Inlet portion of the Exclusive Economic Zone (EEZ) in the Gulf of Alaska (GOA). This project

¹ Wislow Research Associates LLC became a Certified B Corporation[®] in 2021 by meeting the highest standards of social and environmental responsibility. www.WislowResearch.com

² Originally employed by KEA Environmental, which was subsequently acquired by EDAW, which, in turn, was acquired by AECOM. Project work was completed under these three entity names over the years 1997-2016.

is a follow-on to the Salmon Fishery Management Plan Amendment 14 analysis described below and involves close, ongoing coordination with other contractors, as well as with National Marine Fisheries Service (NMFS), North Pacific Fishery Council (NPFMC or Council), and State of Alaska staff members. Project in progress.

- **North Pacific Fishery Management Council. Bering Sea/Aleutian Islands Halibut Abundance-based Management of Prohibited Species Catch Limits.** PI/lead author on a comprehensive SIA component of the analysis of alternatives to change halibut prohibited species catch (PSC) limits in the Bering Sea/Aleutian Islands (BSAI) from a fixed limit approach to variable limit system based on indices of halibut abundance. This SIA involves an analysis of different distribution of social impacts across fishing communities in Alaska and the Pacific Northwest engaged in either or both the groundfish and directed halibut fisheries. Project completed December 2022.
- **North Pacific Fishery Management Council, Bering Sea/Aleutian Islands Trawl Catcher Vessel Pacific Cod Cooperative Program Social Impact Assessment.** PI/lead author on an SIA in support of an EA/RIR for a BSAI Pacific cod trawl catcher vessel cooperative style limited access privilege program (LAPP). The Council recommended a cooperative program where any License Limitation Program (LLP) license assigned to a vessel that authorized that vessel's legal landings of targeted trawl catcher vessel BSAI Pacific cod during the qualifying years is eligible to receive harvest shares, along with processors who accepted those landings during the same period, with share amounts linked to historical participation levels. Project completed December 2021.
- **North Pacific Fishery Management Council, Amendment 14 to the Fisheries Management Plan for the Salmon Fisheries in the Exclusive Economic Zone Off Alaska Social Impact Assessment.** PI/lead author of an SIA in support of an EA/RIR for proposed changes in management of the portion of the Upper Cook Inlet salmon drift gillnet fishery that occurs in the federally regulated waters of the EEZ. Project involved close, ongoing coordination with other contractors; Council, NMFS, and State of Alaska staff members; and the Council's Cook Inlet Salmon Committee. Project completed January 2021.
- **National Marine Fisheries Service and North Pacific Fishery Management Council, Central Gulf of Alaska Rockfish Program Reauthorization Social Impact Assessment.** Working with Brannan & Associates LLC, prepared a comprehensive SIA in support of an EA/RIR for the proposed extension the Rockfish Program, a LAPP style management program, beyond its then-current expiration date of December 31, 2021. This work built directly upon the Central GOA Rockfish Program five-year review SIA, completed in 2017, which was also led by Mike Downs. Project completed April 2020.
- **North Pacific Fishery Management Council. Staff Social Impact Assessment Workshop.** Conducted workshop for 10 NPFMC to increase staff capacity to produce SIA analyses in support of a range of proposed management actions. The workshop included information on regulatory requirements, best practices, and intended goals of SIAs; training on producing SIA components and the available information to do so; and initial steps toward the development of a template for the production of routine SIAs. Workshop conducted January 2019. Follow-on tasks completed February 2020.

- **National Marine Fisheries Service, Alaska Fisheries Science Center Staff Social Impact Assessment Workshop.** Working with NMFS Alaska Fisheries Science Center (AFSC) staff, conducted a two-day SIA workshop for relevant AFSC staff members. Objectives included transferring information and/or facilitating discussion in the following areas: how regulatory requirements, best practices, and intended goals of SIA have been addressed and have evolved for the NPFMC in recent years; components typically included in Council SIAs, information sources used and lessons learned regarding available data and tools; when management actions have triggered relatively simple or complex SIAs; how AFSC products have informed Council SIAs; opportunities for better integration of AFSC work products into Council SIAs; and opportunities for innovation and integration of key social/community indicators across a range of AFSC/Council-produced analyses. Workshop conducted June 2019.
- **North Pacific Fishery Management Council. Secretarial Review Draft Social Impact Assessment: Catcher/Processor Mothership Restrictions in the Bering Sea and Aleutian Islands and the Gulf of Alaska when taking Directed Non-CDQ Pacific Cod Deliveries from Trawl Catcher Vessels.** PI/lead author on a comprehensive SIA component of the analysis of alternatives to limit the ability of catcher/processors to act as motherships when taking trawl-caught catcher vessel deliveries in the BSAI non-Community Development Quota (CDQ) directed Pacific cod fishery. The SIA involved an analysis of different distribution of social impacts across fishing communities in Alaska and the Pacific Northwest engaged in and dependent upon the fishery. Project completed April 2019.

North Pacific/Alaska Fisheries Experience (Pre-Wislow Research)

- **North Pacific Fishery Management Council. Social Impact Assessment: Central Gulf of Alaska Rockfish Program Review and Rockfish Allocation Review.** PI/lead author on a comprehensive SIA component of the Central Gulf of Alaska (GOA) catch share program review covering three time periods: 2003-2006 (the pre-Rockfish Pilot Program baseline years), 2007-2011 (the Rockfish Pilot Program years), and 2012-2016 (the Rockfish Program years). While the analysis focused primarily on the community of Kodiak, distributional impact information was provided for other communities where relevant. Project completed October 2017.
- **North Pacific Fishery Management Council. American Fisheries Act Program Review.** Contributing author with primary responsibility for the fishing community(ies) component of this work. The effort built directly upon the earlier (2002) Report to Congress and traced changes in community impacts from the program over the intervening years. Project completed July 2017.
- **North Pacific Fishery Management Council. GOA Trawl Bycatch Management Analysis.** PI/lead author on the comprehensive SIA component of this analysis. The SIA detailed existing conditions and potential community impacts related to a new management structure that better allows participations in the GOA trawl fisheries to achieve reduced prohibited-species catch while harvesting at optimum yield levels. Communities specifically analyzed included Anchorage, Homer, King Cove, Kodiak, Petersburg, and Sand Point. The analysis included an examination of historic groundfish harvests as well as potential changes to halibut and chinook salmon commercial, sport,

and subsistence/personal use fisheries. Overall analysis was ultimately tabled by the Council, however, the Preliminary SIA was completed and posted December 2016.

- **North Pacific Fishery Management Council. BSAI Crab Rationalization 10-Year Program Review.** PI/lead author on a comprehensive SIA component of the crab rationalization catch share program review. This built upon the similar analyses conducted for the three-year and five-year program reviews. The analysis described the effects of the program after 10 years and detailed the impacts in Unalaska/Dutch Harbor, King Cove, Akutan, Kodiak, Sand Point, Adak, St. Paul, and St. George, Alaska; and Seattle, Washington. Project completed August 2016.
- **North Pacific Fishery Management Council. Fishing Communities of Alaska Engaged in Federally Managed Fisheries.** Contributing author to collection of community profiles providing a summary of historical background, demographic information, and fisheries participation information for a range of Alaska communities. Published by the Council in booklet form for public distribution as a companion to its fishing fleet profiles and groundfish species profiles. Project completed May 2016.
- **North Pacific Fishery Management Council. BSAI Halibut Prohibited Species Catch Limit Revisions.** PI/lead author on the comprehensive community analysis component of this work. The proposed action included changes to various groundfish fisheries meant to reduce halibut bycatch. The work included the assessment of confidential fishery catch and landings data for both the relevant groundfish and halibut fisheries as well as the description of existing commercial, charter, and subsistence halibut fishing activity in the region. Project completed July 2015.
- **National Marine Fisheries Service. Implementation of a Gulf of Alaska Groundfish Trawl Fishery Social Survey.** Project director for the implementation of an Alaska Fisheries Science Center social survey focused on collecting the demographics, fisheries participation, connections, perspectives on rationalization, and labor activities of harvesting, processing, and support service personnel active in the Gulf of Alaska groundfish fishery. Results are to be used as part of a pre-implementation baseline to inform analysis of a new, yet to be defined, rationalization program for the fishery. The survey included development of a web-based survey, phone surveying, and a robust fieldwork effort that included in-person surveys in four Alaskan communities. Project completed in October 2014.
- **National Marine Fisheries Service. Steller Sea Lion Protection Measures for Groundfish Fisheries in the Bering Sea and Aleutian Islands Management Area Environmental Impact Statement.** Lead author of the community impacts chapter of the EIS evaluating alternative management measures to govern groundfish fisheries so NMFS could authorize fisheries that do not jeopardize the western distinct population segment of the Steller sea lion, or adversely modify its critical habitat. The analyses compared the impacts of the various alternatives on specified geographic, minority, and low-income communities. Analysis also discussed the impacts to federally recognized Alaska Native tribes potentially affected. Project completed May 2014.
- **North Pacific Fishery Management Council. GOA Halibut Prohibited Species Catch Limit Revisions.** PI/lead author on the comprehensive community analysis component of this work. The proposed action included changes to various groundfish fisheries

meant to reduce halibut bycatch. The work included the assessment of confidential fishery catch and landings data for both the relevant groundfish and halibut fisheries as well as the description of existing commercial, charter, and subsistence halibut fishing activity in the region. Project completed August 2012.

- **North Pacific Fishery Management Council. BSAI Crab Rationalization 5-Year Program Review.** PI/lead author on a comprehensive SIA component of the crab rationalization catch share program review. The analysis described the effects of the program after five years and detailed the impacts in Unalaska/Dutch Harbor, King Cove, Akutan, Kodiak, Sand Point, Adak, St. Paul, St. George, Alaska; and Seattle, Washington. Project completed December 2010.
- **North Pacific Fishery Management Council. BSAI Crab Rationalization 3-Year Program Review.** PI/lead author on a comprehensive SIA component of the crab rationalization catch share program review. The analysis focused on the socioeconomic impacts associated with establishment of a rationalization program for six BSAI crab fisheries. The analysis described the effects of the program and detailed the impacts across multiple communities, with a primary focus on the Alaska communities of Unalaska/Dutch Harbor, King Cove, Akutan, Kodiak, Sand Point, Adak, St. Paul, and St. George, Alaska; and Seattle, Washington, although other communities were included as relevant. Project completed November 2008.
- **North Pacific Fisheries Management Council and North Pacific Research Board. Comprehensive Commercial Fishing Community Profiles - Volume 2, Sand Point Adak, St. George, and St. Paul, Alaska.** PI/lead author on this project to develop comprehensive baseline commercial fishing community engagement and dependency profiles for the Bering Sea, Aleutian Islands, and Western GOA regions. The goal of this project was to expand the template constructed during the Volume 1 stage of the project and construct additional profiles to broaden the range of types of communities and patterns of engagement/dependency represented. Project completed June 2008.
- **National Marine Fisheries Service, Steller Sea Lion and Northern Fur Seal Research Permit Programmatic Environmental Impact Statement.** Project director for the community impacts section of EIS. Project analyzed socioeconomic impacts on local communities experiencing economic and non-economic effects of researchers' interactions with northern fur seal and Steller sea lion. Analyzed how research methodology alternatives affect subsistence harvesting and promoted educational opportunities for local community members. Analysis also included an environmental justice assessment. Project completed February 2007.
- **National Marine Fisheries Service. Alaska Groundfish Harvest Specifications Final Environmental Impact Statement.** Lead author for environmental justice component of the EIS. The study provided decision makers and the public with an evaluation of the environmental, social, and economic effects of alternative harvest strategies for the federally managed groundfish fisheries in the Gulf of Alaska and the Bering Sea and Aleutian Islands. The harvest strategies were applied to the best available scientific information to derive the total allowable catch estimates for the groundfish fisheries. Project completed January 2007.

- **National Marine Fisheries Service. Final Environmental Impact Statement, Essential Fish Habitat Identification and Conservation in Alaska.** Lead author for the social and community assessment component for the essential fish habitat existing conditions documentation and alternatives analysis. Work involved analysis of Alaska and Pacific Northwest communities engaged in the fisheries, and analysis of potential differential distribution of impacts under the various alternatives to meet the requirements of NEPA, National Standard 8 under the Magnuson-Stevens Act, and the Executive Order on Environmental Justice. Project completed April 2005.
- **North Pacific Fisheries Management Council and North Pacific Research Board. Comprehensive Commercial Fishing Community Profiles - Volume 1, Unalaska, Akutan, King Cove, and Kodiak, Alaska.** PI/lead author on this project to develop comprehensive baseline commercial fishing community engagement and dependency profiles for the Bering Sea, Aleutian Islands, and Western GOA regions. Volume 1 represented a pilot project to design a template and compile baseline profiles of a range of key communities variously engaged in/dependent upon federally managed fisheries to increase the overall efficiency of subsequent socioeconomic analyses required under NEPA and the Magnuson-Stevens Act. Project completed March 2005.
- **North Pacific Fishery Management Council. Gulf of Alaska Groundfish Fisheries Rationalization: Community, Regional, and Social Impact Assessment.** PI and project manager for the community, regional, and social impact components of a GOA groundfish EIS/RIR effort. Fieldwork was conducted in Seward, Homer, Sand Point, and the Chignik in 2004-2005. The NPFMC tabled consideration of the rationalization effort before analytic work was completed. Project suspended mid-2005.
- **North Pacific Fishery Management Council/National Marine Fisheries Service. Bering Sea Aleutian Islands Crab Fisheries Final Environmental Impact Statement.** PI/lead author of the SIA component of the FEIS. This was the pre-implementation assessment of what developed into the BSAI crab rationalization program. Work involved research in Alaska and Pacific Northwest communities (Washington and Oregon) engaged in the fisheries, and analysis of potential differential distribution of impacts under the various rationalization alternatives to meet the requirements of NEPA, National Standard 8 under the Magnuson-Stevens Act, and the Executive Order on Environmental Justice. Project completed August 2004.
- **National Marine Fisheries Service. North Pacific Groundfish Fisheries Final Programmatic Supplemental Environmental Impact Statement.** Task leader for the social assessment component of the socioeconomic assessment of the North Pacific (Bering Sea and Gulf of Alaska) groundfish fishery management plan. In addition to research management responsibility, task involved fieldwork working with communities in Alaska and the Pacific Northwest, industry sectors, and Alaska Native entities, and encompassed subsistence analysis as well. This project involved perhaps the most comprehensive social impact assessment/socioeconomic/environmental justice analysis undertaken for a NMFS EIS. Project completed June 2004.
- **National Marine Fisheries Service. Socioeconomic and Environmental Justice Existing Conditions: Alaska Groundfish Fisheries and BSAI Crab Fisheries.** PI/lead author for SIA component of analysis of proposed changes in groundfish and crab regulatory schemes for the Gulf of Alaska and Bering Sea/Aleutian Islands fisheries,

including individual fishing quotas or license limitation management approaches. Research required the analysis of existing secondary data combined with the gathering and analysis of primary data on fisheries' participation and dependency by various harvest and processing industry sectors in both Alaska and the Pacific Northwest. Conducted field research in coastal communities. Separate existing conditions report on file at Alaska Regional Office. Project completed May 2003.

- **North Pacific Fishery Management Council. Impacts of the American Fisheries Act: Report to the US Congress and the Secretary of Commerce.** Lead author on Fishing Community Impacts section of the report which documents the social impacts of the implementation of the American Fisheries Act at the regional and community level. Regional analyses included four regions in Alaska and two in the Pacific Northwest. Community level analyses focused on Unalaska, Akutan, Sand Point, King Cove, and Kodiak Alaska along with Seattle Washington. Project completed February 2002.
- **National Marine Fisheries Service. Steller Sea Lion Protection Measures Final Supplemental Environmental Impact Statement.** Task leader for the comprehensive SIA component of proposed fishery management measures designed to protect endangered Steller sea lion populations in the North Pacific Ocean. This work involved the characterization of regional and community socioeconomic contexts in Washington, Oregon, and Alaska. The commercial fishery in these communities was described in relation to the overall community structure, and the role of the relevant species fisheries within the overall fishery was characterized, along with potential impacts of the proposed alternatives. Project completed November 2001.
- **National Marine Fisheries Service and North Pacific Fishery Management Council. [Updated] Sector and Regional Profiles of the North Pacific Groundfish Fisheries.** Project director/lead author for regional and community profiles component of comprehensive analysis of existing conditions in the North Pacific Groundfish Fishery in Alaska, Washington, and Oregon. Work involved profiling data for six regions spanning coastal Alaska and the Pacific Northwest. Project originated as a task under the Groundfish Programmatic EIS and was later picked up by the NPFMC as a separate task and subsequently published on their web site. Project completed November 2001.
- **National Marine Fisheries Service. North Pacific Groundfish Fishery Supplemental Environmental Impact Statement.** Provided technical oversight on regional/social impact component of socioeconomic analysis for the original Supplemental EIS. Work involved fieldwork and analysis of Alaska and Pacific Northwest regions in Alaska, Washington, and Oregon. Project completed December 2000.
- **National Marine Fisheries Service and North Pacific Fishery Management Council. Sector and Regional Profiles of the North Pacific Groundfish Fisheries.** Project director/lead author for regional and community profiles component of comprehensive analysis of existing conditions in the North Pacific Groundfish Fishery in Alaska, Washington, and Oregon. Work involved profiling data for six regions spanning coastal Alaska and the Pacific Northwest. Project originated as a task under the original Groundfish Programmatic EIS (2000). Project completed September 2000.

- **Northern Economics, Lake and Peninsula and Bristol Bay Boroughs, Alaska. Impacts of the 1997-1998 Bristol Bay Fishing Disasters and Economic Recovery Plan for the Lake and Peninsula and Bristol Bay Boroughs.** PI for social impact component of the economic and social impact analysis of 1997-1998 salmon disasters on communities in the Lake and Peninsula Borough, and Bristol Bay Borough regions. Conducted interviews with fishers, governmental officials, and private business owners in seven communities. Project completed June 1999.
- **North Pacific Fishery Management Council. Inshore/Offshore-3 Analysis.** PI/lead author on a comprehensive SIA component of the Inshore/Offshore-3 analysis of potential changes to BSAI pollock allocations. The SIA included detailed analysis of potentially impacted sector links across communities in multiple regions in Alaska and the Pacific Northwest, as well as detailed community profiles for the relevant communities. The alternative adopted by the Council proved in retrospect to be the impetus for the subsequent passage of the American Fisheries Act. Project completed July 1998.
- **North Pacific Fishery Management Council. License Limitation Options for North Pacific Groundfish and Crab Fisheries.** PI/lead author for a Supplemental SIA component of the analysis of proposed changes in groundfish and crab regulatory schemes for the Gulf of Alaska and Bering Sea/Aleutian Islands fisheries. The Supplemental SIA focused on several narrowly defined license limitation management approach configurations. The research built upon the earlier, more general research on broad options. The analysis looked at the distribution of impacts across industry sectors and regions and included Alaska Native communities spanning several regions. Project completed March 1995.
- **North Pacific Fishery Management Council. License Limitation Options for North Pacific Groundfish and Crab Fisheries.** PI/lead author for the comprehensive SIA component of the analysis of proposed changes in groundfish and crab regulatory schemes for the Gulf of Alaska and Bering Sea/Aleutian Islands fisheries, including individual fishing quotas or license limitation management approaches. Research required the analysis of existing secondary data combined with the gathering and analysis of primary data on fisheries' participation and dependency by various harvest and processing industry sectors in both Alaska and the Pacific Northwest. Conducted field research in coastal communities. Project completed October 1994.
- **North Pacific Fishery Management Council. Inshore/Offshore Allocation Amendment Proposal.** Lead author on the SIA component of the original Inshore/Offshore analysis. Conducted project field research in Sand Point and Unalaska/Dutch Harbor and was responsible for overall study coordination and management. Conducted ethnographic research, key-person interviews, and the differential distribution analysis of secondary data. Project completed March 1991.

Fisheries Experience in Other Regions (Wislow Research)

- **National Marine Fisheries Service, Southeast Fisheries Science Center, Miami FL. Toward a Demographic/Socioeconomic Survey of Crew Members in the Federal Fisheries of the South Atlantic and Gulf of Mexico, Phase 2.** Project Director on the second phase of a survey of crew members in the federally managed commercial

fisheries in the South Atlantic and Gulf of Mexico regions. Phase 2 involved providing support for the development of the survey instrument; piloting English, Spanish, and Vietnamese versions of the survey in the western Gulf of Mexico; and providing content for inclusion in a Paperwork Reduction Act package for submission to the Office of Management and Budget. Project Phase 2 completed September 2019.

Fisheries Experience in Other Regions (pre-Wislow Research)

- **Mid-Atlantic Fishery Management Council. Review of the Atlantic Surfclam and Ocean Quahog Individual Transferable Quota Program.** Principal Investigator on a comprehensive review of the first Individual Transferable Quota (ITQ)/catch share program implemented in a federally managed fishery in the United States. The review followed the National Marine Fisheries Service 2017 guidance for conducting review of catch share programs. Project completed May 2019.
- **National Marine Fisheries Service, Southeast Fisheries Science Center, Miami FL. Toward a Demographic/Socioeconomic Survey of Crew Members in the Federal Fisheries of the South Atlantic and Gulf of Mexico, Phase 1.** Project director on the first phase of a survey of crew members in the federally managed commercial fisheries in the South Atlantic and Gulf of Mexico regions. Phase 1 involved undertaking quantitative assessments of the regional fleets, identification of a crew contact strategy, conduct of rapid field assessments, and development of a draft survey implementation plan. Project Phase 1 completed October 2018.
- **Gordon and Betty Moore Foundation, West Coast Groundfish Trawl Rationalization Program and Northeast Groundfish Sector Management Program Social Impact Assessment.** Project director for the social impact assessment component of an independent catch share review assessment of two different groundfish fishery management programs. Work included being responsible for applying social data from external programs to the relevant indicators, data collection and analysis of information for social indicators for use in program evaluation, and a limited rapid field data collection. Project products available at www.catchshareindicators.org. Project completed 2018.
- **National Oceanic and Atmospheric Administration Fisheries, Marine Outreach and Education US Virgin Island-Style Initiative, Outreach, and Education Plan, St. Thomas and St. Croix, Virgin Islands.** Technical advisor assisting with researching existing communication strategies occurring within the USVI with regard to fishery management information, as well as formulating an outreach and education plan that implements improved outreach and education strategies based on focus group feedback, key person interviews, a literature review, and gap analysis.
- **Caribbean Fishery Management Council, Proposed Marine Conservation District Rapid Socioeconomic Evaluation, St. John, Virgin Islands.** PI/lead author for the rapid socioeconomic evaluation of the proposed district. Identified and described existing user groups of the proposed district area and characterized use types (such as commercial fishing, charter sport fishing, and commercial diving operations), including variation by geographic base, ethnicity, vessel class/type, gear types, and other socioeconomic and distributional factors. Additionally, provided a general-level social

impact assessment, discussing preliminary findings regarding differential distribution of potential impacts along several dimensions. Project completed February 1997.

- **Island Resources Foundation, Anegada Sea Turtle Recovery, Anegada, British Virgin Islands.** Responsible for the community assessment component of the project. Conducted field research to determine existing resource utilization pattern and recommended management plans for endangered sea turtle. Project examined traditional and customary use patterns and potential interactions with coastal development projects.
- **National Park Service, Biscayne National Park Fishery Management Plan, Miami, Florida.** Provided socioeconomic analysis to the NPS for the development of the fishery management plan and associated environmental impact statement. Involved follow-up fieldwork among fishermen and associated support service entities.
- **Gulf States Marine Fisheries Commission, Gulf of Mexico Blue Crab Fishermen Study, Various Locations, Louisiana.** Quality assurance reviewer and fisheries technical expert for the social and cultural profile of blue crab fishermen in the Gulf of Mexico.
- **National Marine Fisheries Service, Pelagic Fisheries of the Western Pacific Supplemental Environmental Impact Statement, Pago Pago, American Samoa.** Project involved analysis of displacement of pelagic fisheries effort from Hawaii to US flag territories because of endangered species issues. Conducted fieldwork in American Samoa to examine impacts of industrial fleet on small-scale localized traditional fisheries.
- **National Marine Fisheries Service, Pelagic Fisheries of the Western Pacific Environmental Impact Statement, Various Locations, Hawaii.** Principal investigator of the social impact component of the Environmental Impact Statement (EIS) for the fishery management plan revisions. Primary issues involved endangered species interaction conflicts with commercial fishery in Hawaii, with second tier issues in American Samoa, Guam, and Commonwealth of the Northern Mariana Islands. Conducted fieldwork in Hawaii.
- **Pacific Fishery Management Council, West Coast Limited Entry Trawl Fishery - Individual Fishing Quota and Permit Stacking Analysis.** Provided technical oversight for community impact assessment of proposed changes in management approach of the federal groundfish fisheries off the coasts of California, Oregon, and Washington.
- **City of Morro Bay and City of Monterey, Fishing Community Sustainability Plan, Morro Bay and Monterey, California.** Technical advisor providing peer review and strategic planning associated with the assessment of social impacts for two fishing community sustainability plans. Both plans identified, assessed, and analyzed key performance measures for community fisheries and provided suggestions for the sustained participation of the community in regional fisheries.
- **California State Lands Commission, Coastal Commercial and Recreational Fisheries Impacts, Various Locations, California.** Performed a California Environmental Quality Act (CEQA)-compliant review of two mitigated negative

declarations and an Environmental Impact Report (EIR) for the installation of fiber optic cable networks from the Pacific Rim to the California coast. Social science focus was on the potential impacts cable installation would have on commercial and recreational fishing off the California coast. Involved performing third party, detailed analysis for each of these three projects along the central coast. Addressed fisheries' specific issues as well as associated communities' indirect impacts.

- **San Diego Association of Governments, Regional Beach Sand Project II, Phase 2, Environmental Impact Report/Environmental Impact Statement, San Diego County, California.** Social scientist for an EIR/EIS analyzing the potential impacts resulting from a second phase of beach replenishment in San Diego County. In addition to analyzing possible impacts to demographics, housing, and the economy, the report also included a comprehensive analysis of possible impacts to the commercial fishery in San Diego County as a result of beach replenishing.
- **San Diego Association of Governments, San Diego Regional Beach Sand Project Environmental Impact Report/Environmental Assessment and Permitting, San Diego County, California.** Provided socioeconomic analysis of potential impacts to commercial fishing in the project area, utilizing secondary data as well as information developed through interviews.
- **US Army Corps of Engineers, San Diego Bay Environmental Impact Statement, San Diego, California.** Responsible for preparation of EIS to dredge the central channel portion of San Diego Bay. The project included detailed analysis of potential impacts to commercial and recreational fisheries.

Other Alaska Research Experience (pre-Wislow Research)

- **Bureau of Ocean Energy Management, Social Impacts of the Exxon Valdez Oil Spill, Cleanup, and Litigation, Outer Continental Shelf, Alaska.** Co-principal investigator and project manager of Exxon Valdez Oil Spill, Cleanup, and Litigation: A Collection of Social Impacts Information and Analysis for the Minerals Management Service, Alaska Outer Continental Shelf Region. The project primarily involved compilation of existing secondary materials, and integration of these data into a CD-ROM database with query functions.
- **Alaska Conference of Mayors, Exxon Valdez Oil Spill Economic, Social, and Psychological Impact Assessment, Various Locations, Alaska.** Responsible, in part, for field studies and analysis coordination and primary coordinator of the project's third interim report that focused specifically on the social and psychological impacts of the spill. Conducted field research in the communities of Kenai, Seward, Soldotna, and Valdez.
- **US Bureau of Ocean Energy Management, Bowhead Whale Hunting Subsistence Activities in the Beaufort Sea - Potential Impacts Quantitative Description, North Slope, Alaska.** Principal investigator for development of research design, research protocols, staffing schedule, and itinerary for implementation of survey, ethnographic, and archival research concerning the effects of offshore oil development activities on subsistence hunting for bowhead whales among the Inupiat of the North Slope of Alaska.

- **US Bureau of Ocean Energy Management, Researching Technical Dialogue, North Slope, Alaska.** Project involved an assessment of the efficacy of technical dialogue communication processes between the agency and the public in two regions of Alaska. This includes an analysis of the role of linguistic and cultural factors as obstacles to communication in these regions.
- **Bureau of Ocean Energy Management, Traditional Knowledge of Alaska's North Slope, North Slope, Alaska.** Leader of subcontract effort to assist UIC in compiling a traditional knowledge database for Minerals Management Service, Alaska OCS office. The project involves an effort to incorporate Iñupiat traditional ecological knowledge into the environmental management decision-making process.
- **US Bureau of Ocean Energy Management, Ethnographic Analysis, Point Lay and Point Hope, Alaska.** Social scientist, field researcher, analyst, and writer on Minerals Management Service Socio-Economic Studies Program project to prepare an ethnography, including comparative material from Point Hope. Primary field researcher for the Point Hope portion of the study.
- **US Bureau of Ocean Energy Management, Northern Institutional Profile Analysis, Anaktuvuk Pass and Point Hope, Alaska.** Coordinated an 8-village study on Alaska's North Slope including field research. The project involved in-depth characterization of local and regional political, economic, social, and cultural institutions along with detailed community profiles for each village.
- **US Bureau of Ocean Energy Management, Rural Alaska Villages Economic Analysis, Various Locations, Alaska.** Analyst, writer, and editor on Minerals Management Service Socio-Economic Studies Program project to describe and analyze rural village economies through the intensive study of three selected villages.
- **US Bureau of Ocean Energy Management, Institutional Change in Nome 1980-1986, Nome, Alaska.** Analyst and writer on monitoring study of sociocultural change titled, "Institutional Change in Nome 1980 1986."
- **US Bureau of Ocean Energy Management, Aleut Institutional Response and Change, Atka and Unalaska, Alaska.** Social scientist, field researcher, analyst, and writer to refine a sociocultural monitoring methodology to assess impacts caused by offshore oil development in Alaskan coastal regions and subsequently apply it to the Aleutian Pribilof region.
- **US Bureau of Ocean Energy Management, Aleut Institutional Response and Change - Workshop Proceedings, Various Locations, Alaska.** Prepared Minerals Management Service Socio-Economic Studies Program Technical Report #126.
- **US Bureau of Ocean Energy Management, Ethnographic Case Study, Unalaska, Alaska.** Responsible for four months of field data collection and assisted in the analysis and write up of the materials. Prepared a baseline study to document the community structure in the exploration phase of offshore oil development.

- **US Bureau of Ocean Energy Management, Region Ethnographic Studies, Bristol Bay, Alaska.** Study focused on interaction of fisheries and offshore oil and gas development.
- **US Bureau of Land Management, North Aleutian Shelf Forecast Analysis, Various Locations, Alaska.** Prepared non-OCS forecast analysis of the North Aleutian Shelf offshore oil lease sale. Collected and analyzed published, unpublished, and field materials on communities of the southern Alaska Peninsula area.
- **US Air Force, Technical Assistance for Public Participation, Point Hope, Alaska.** Worked with the restoration advisory board of the Inupiat community of Point Hope regarding environmental restoration of a US Air Force long range radar site at Cape Lisburne, Alaska.
- **US Department of Agriculture - Forest Service, Tongass National Forest Madan Environmental Impact Statement, Various Locations, Alaska.** Responsible for the socioeconomic component of the EIS. Project involved subsistence, and traditional- and customary-use analysis.
- **US Department of Agriculture - Forest Service, Tongass National Forest - Twin Creek Environmental Assessment, Various Locations, Alaska.** Responsible for the socioeconomic component of Twin Creek EA.
- **US Department of Agriculture - Forest Service, Socio-Economic Studies Program Region 10, Various Locations, Alaska.** Subcontractor on the Alaska Region contract for Professional Natural Resources Services, Socio-Economic Studies Program Region 10. The contract was to allow the program to obtain professional services in support of natural resource and land management activities on an as-needed (task order) basis.
- **US Department of Agriculture - Forest Service, Kenai Peninsula Sale Program Subsistence Analysis, Various Locations, Alaska.** Field researcher, analyst, and writer on the Chugach National Forest project to provide socioeconomic and subsistence analysis of proposed program. Primary responsibility for Primrose Creek/Snow River environmental assessment socioeconomic analysis.
- **US Department of Agriculture - Forest Service, Control Lake Environmental Impact Statement, Various Locations, Alaska.** Senior social scientist, field researcher, analyst, and writer on the EIS. Conducted research activities including subsistence and socioeconomic analysis of proposed timber sale options on Prince of Wales Island in the Tongass National Forest.
- **US Department of Agriculture - Forest Service, Lab Bay Environmental Impact Statement, Various Locations, Alaska.** Senior social scientist, field researcher, analyst, and writer on EIS. Conducted research activities including subsistence and socioeconomic analysis of proposed timber sale options on Prince of Wales Island in the Tongass National Forest.
- **US Fish and Wildlife Service, Alaska Maritime National Wildlife Refuge Subsistence Resource Utilization Impacts Study, Various Locations, Alaska.** Social scientist, field researcher, analyst, and writer on the study of subsistence resource

utilization impacts of the refuge. The project included description of affected environment, environmental impact statement, and Alaska National Interests Lands Conservation Act (ANILCA) 810 evaluation.

Non-fisheries and non-Alaska experience available on request: mike@wislowresearch.com