

TONSINA

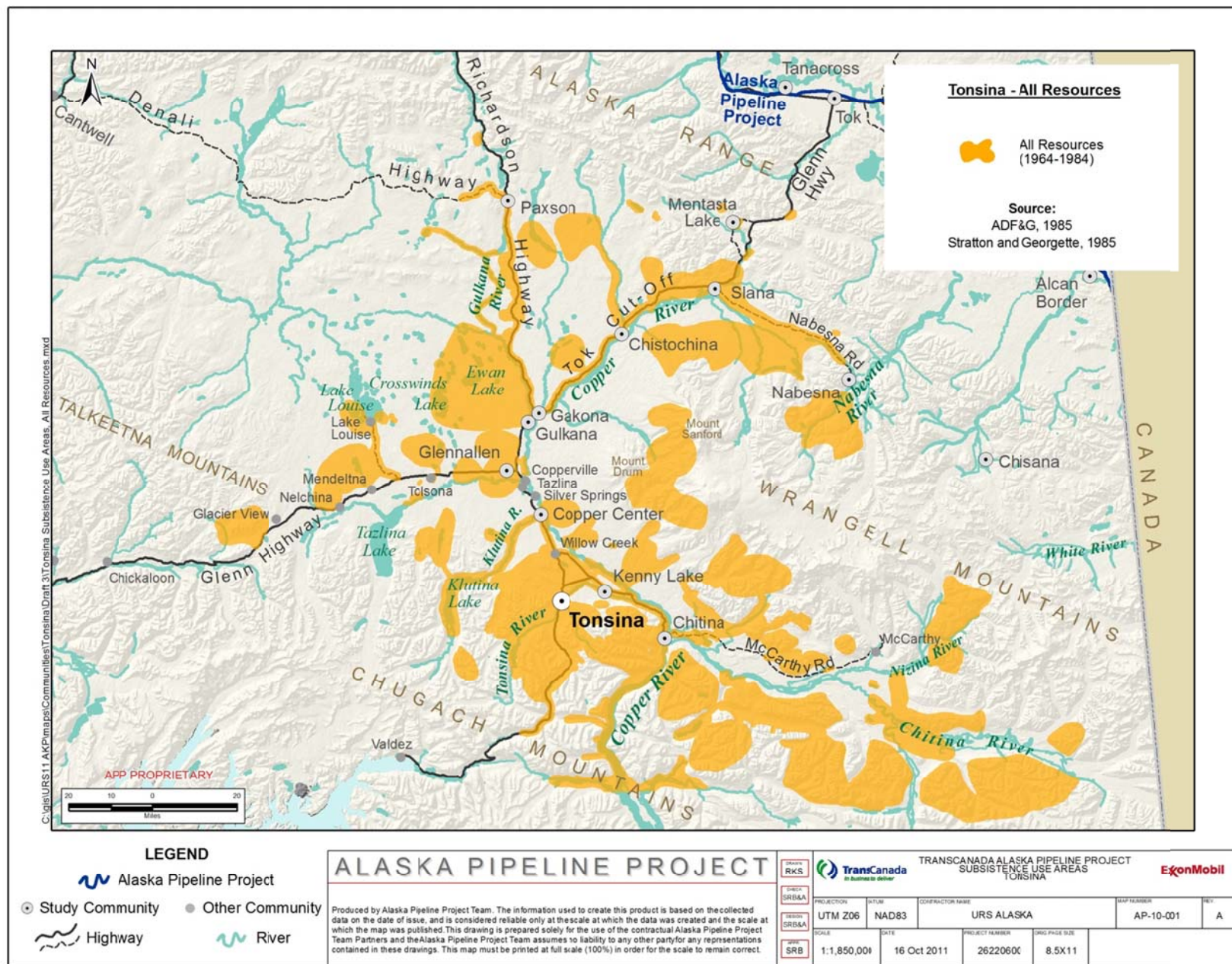


Figure E-247. Tonsina Subsistence Use Areas, All Resources

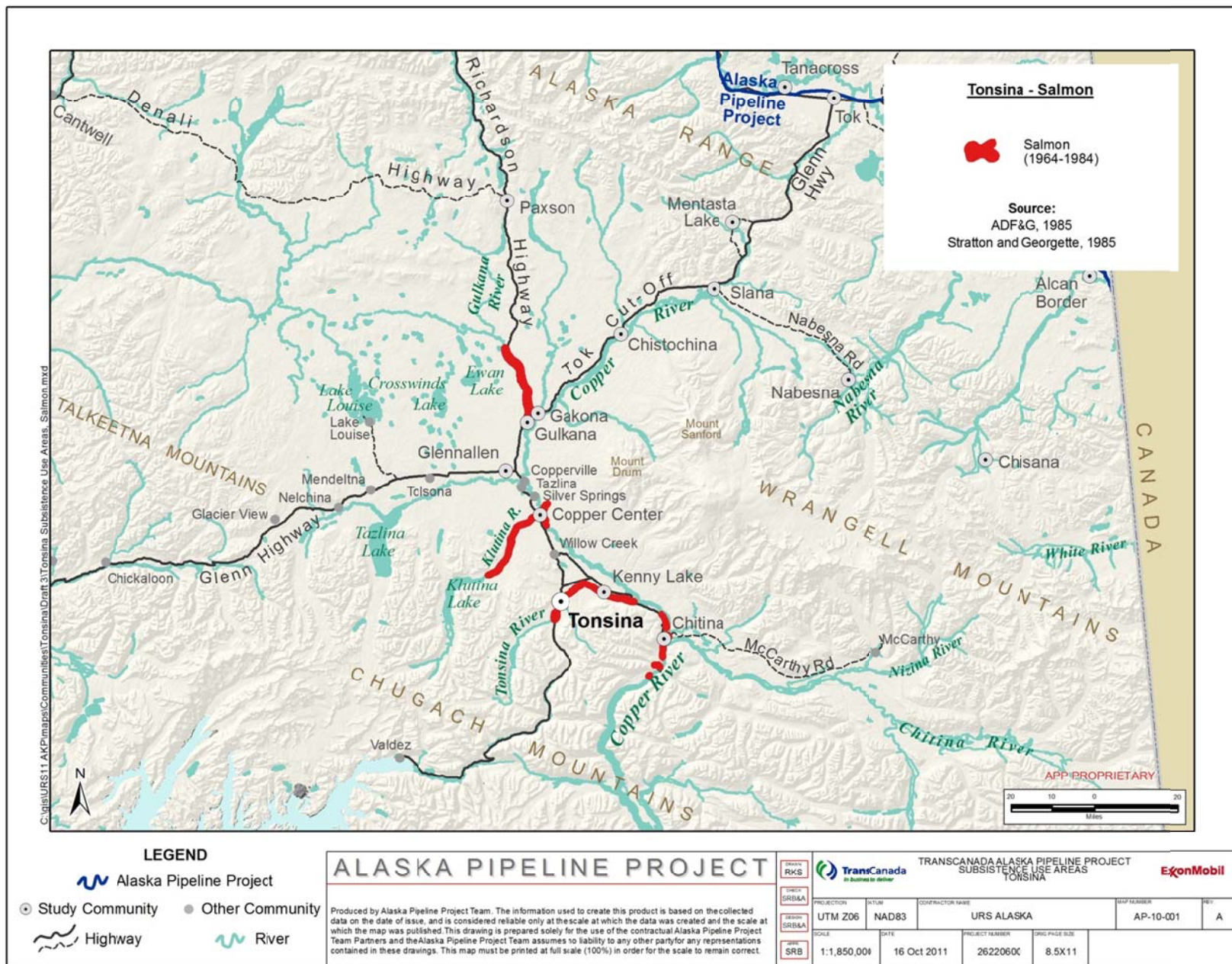


Figure E-248. Tonsina Subsistence Use Areas, Salmon

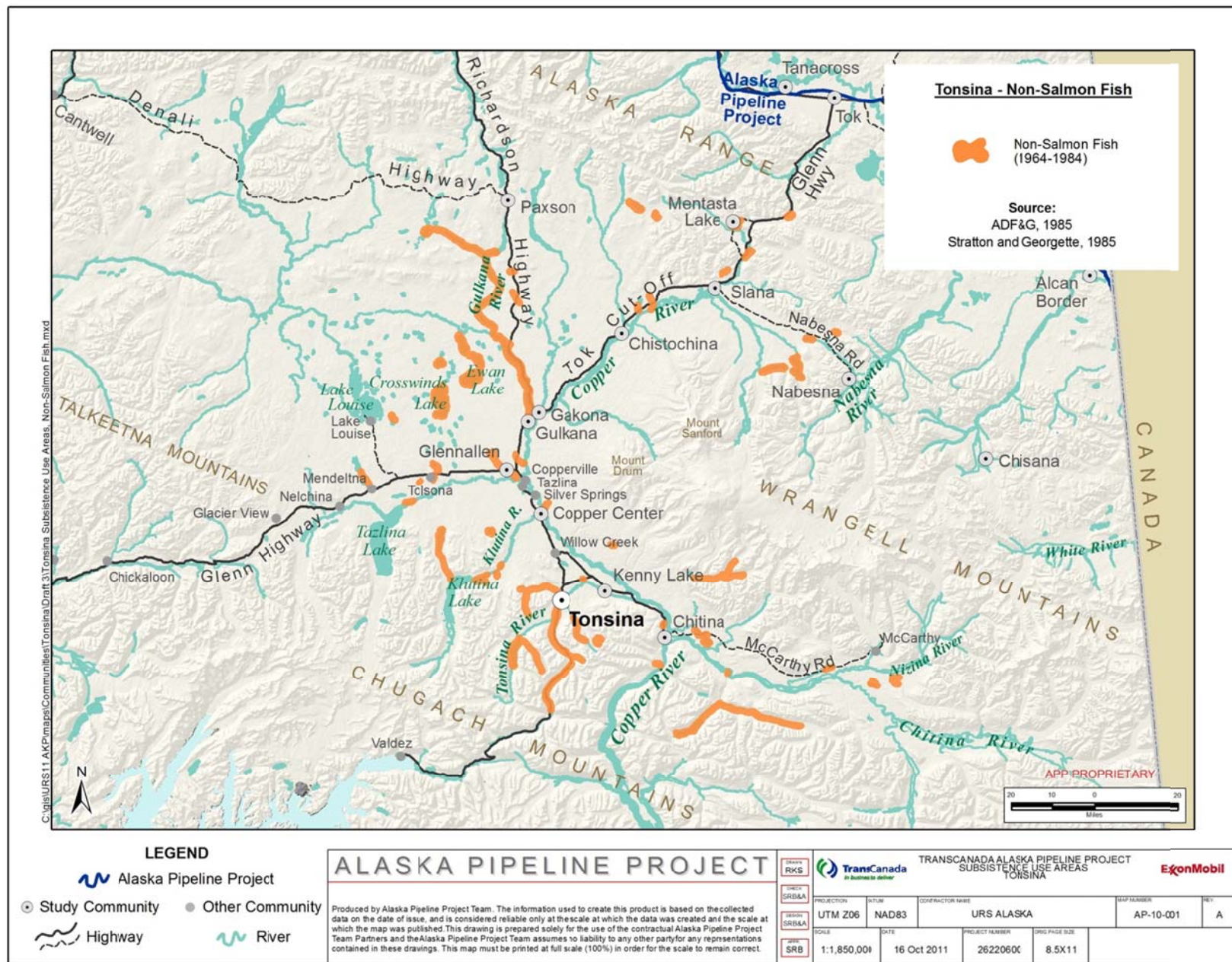


Figure E-249. Tonsina Subsistence Use Areas, Non-Salmon Fish

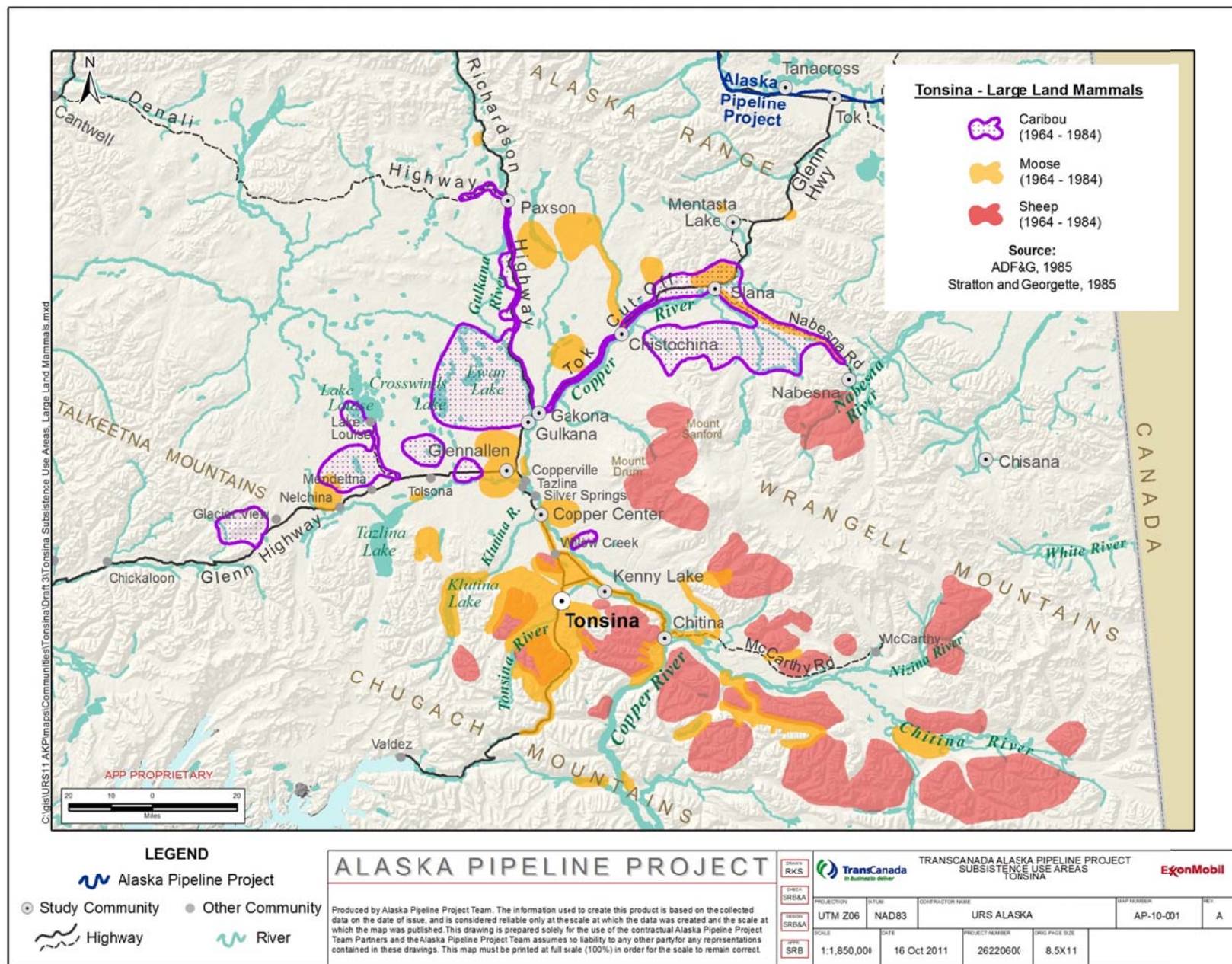


Figure E-250. Tonsina Subsistence Use Areas, Large Land Mammals

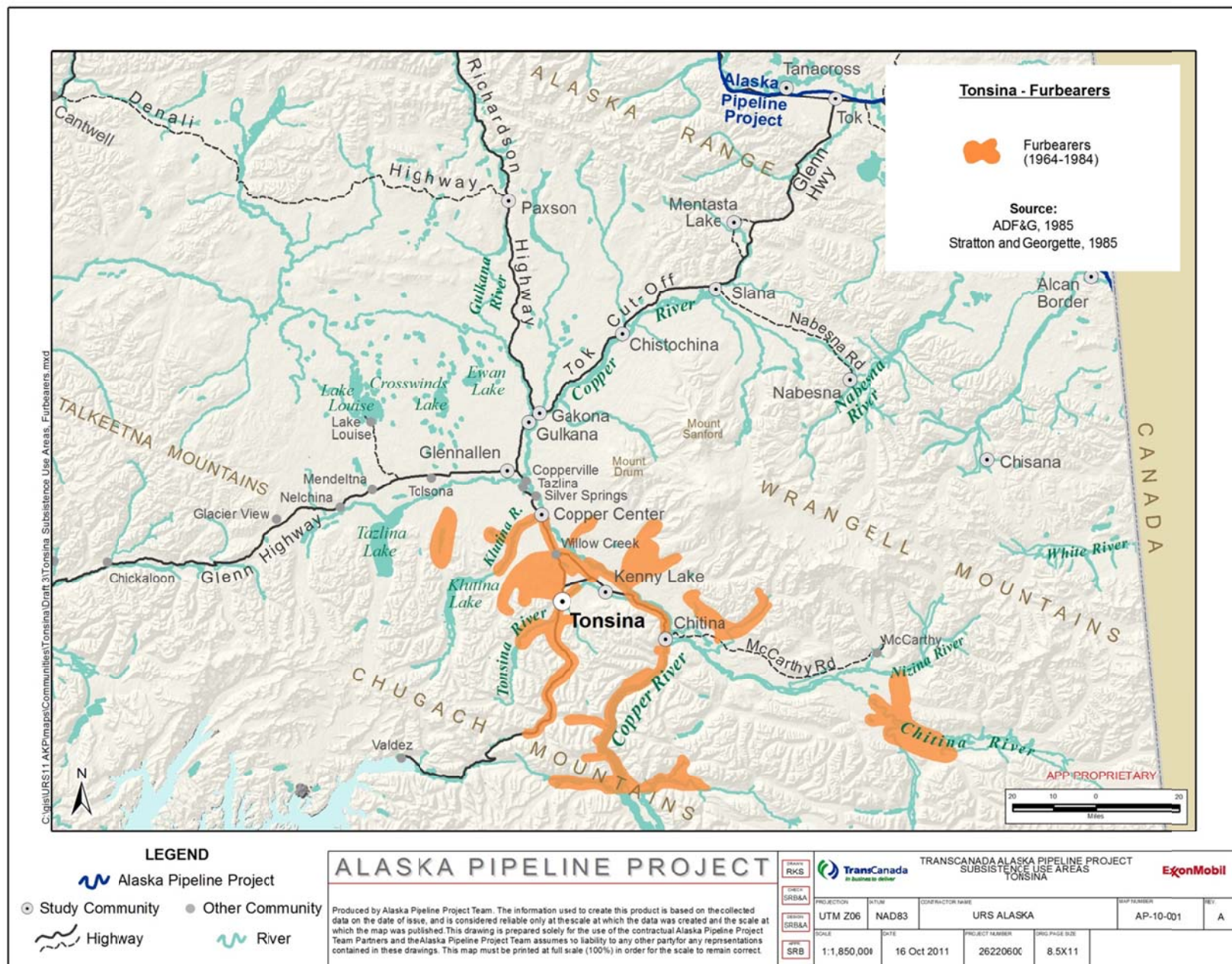


Figure E-251. Tonsina Subsistence Use Areas, Small Land Mammals

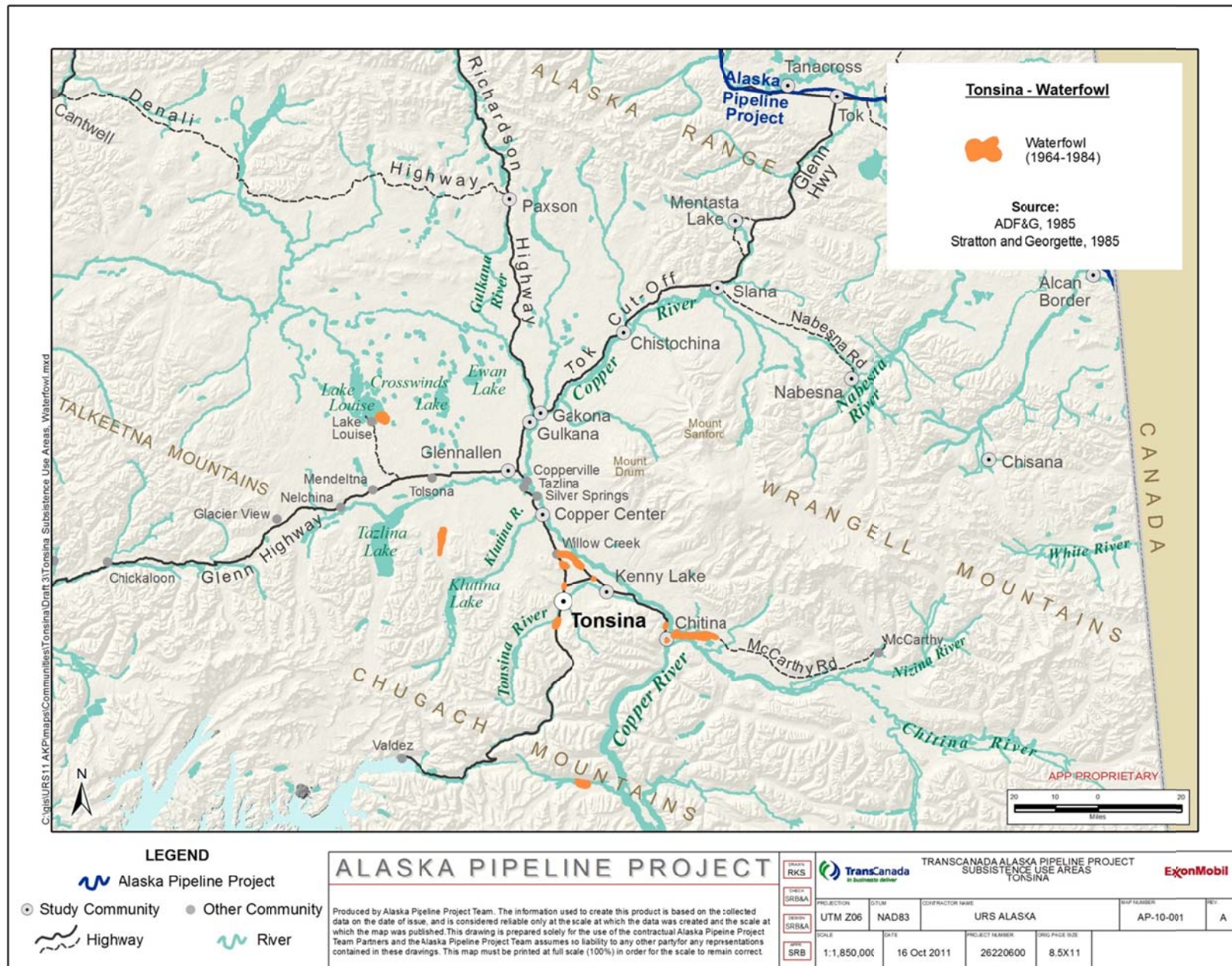


Figure E-252. Tonsina Subsistence Use Areas, Migratory Birds

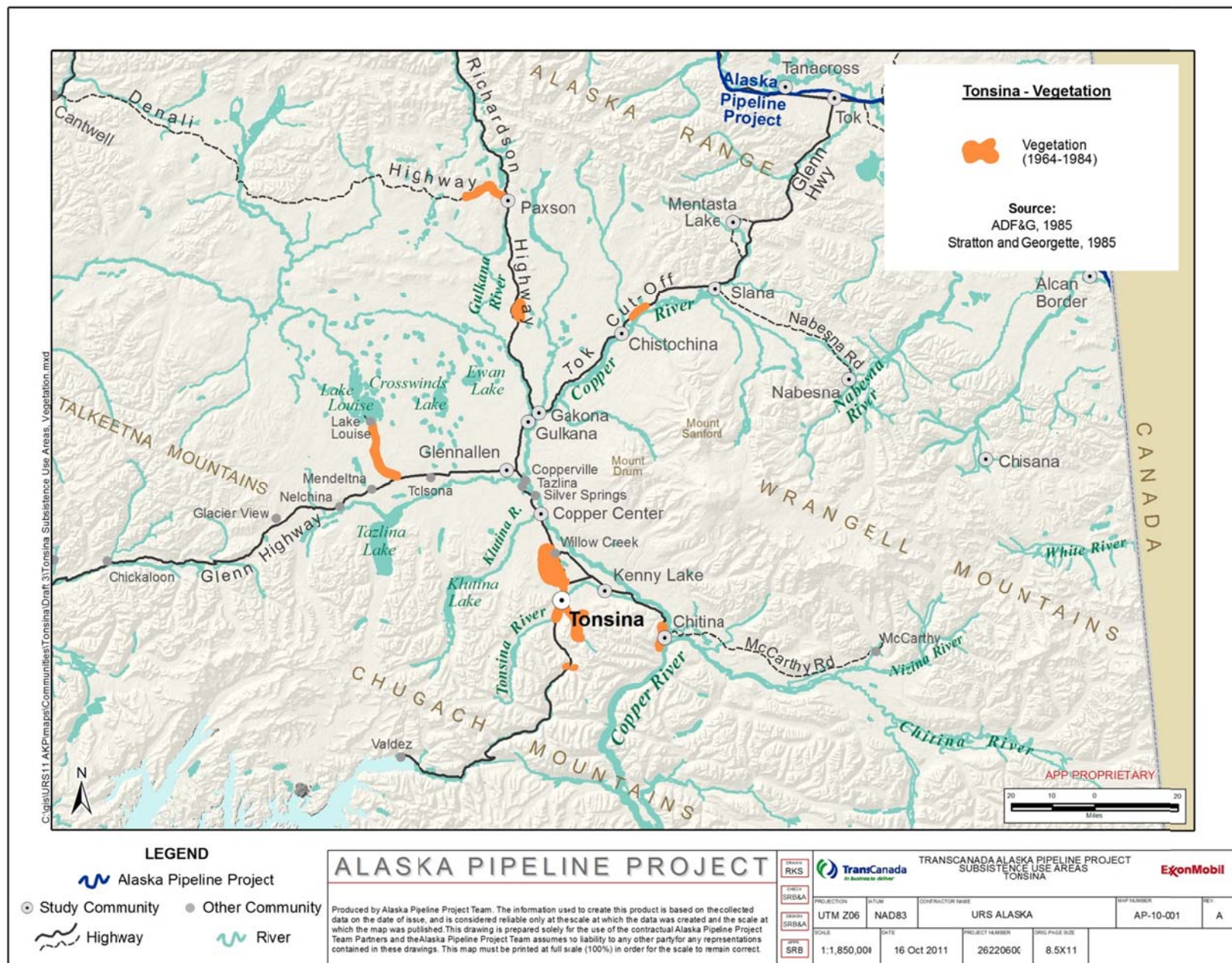


Figure E-253. Tonsina Subsistence Use Areas, Vegetation

SPATIAL AND TEMPORAL TRENDS IN SUBSISTENCE

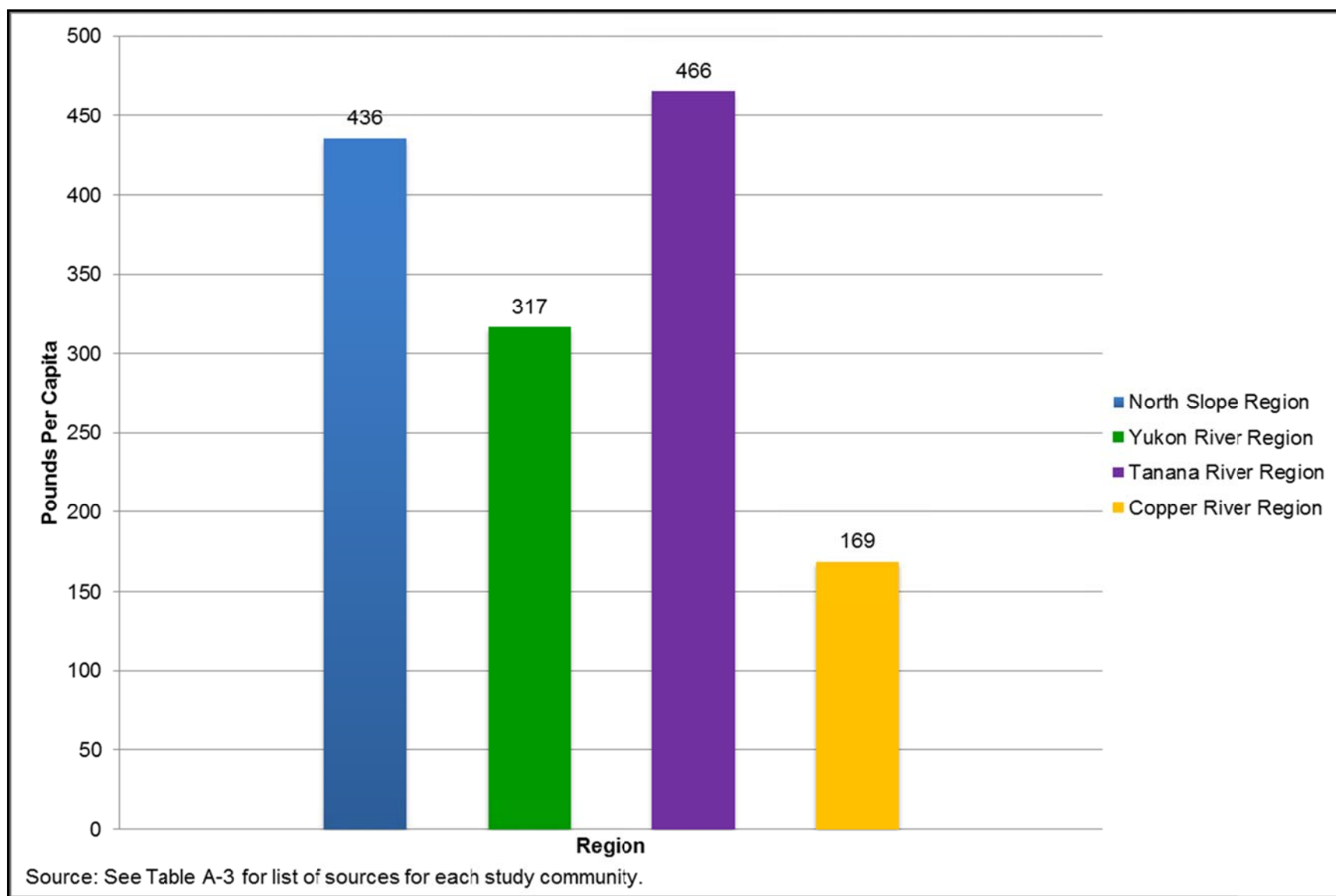


Figure E-254. Average Per Capita Pounds by Study Region

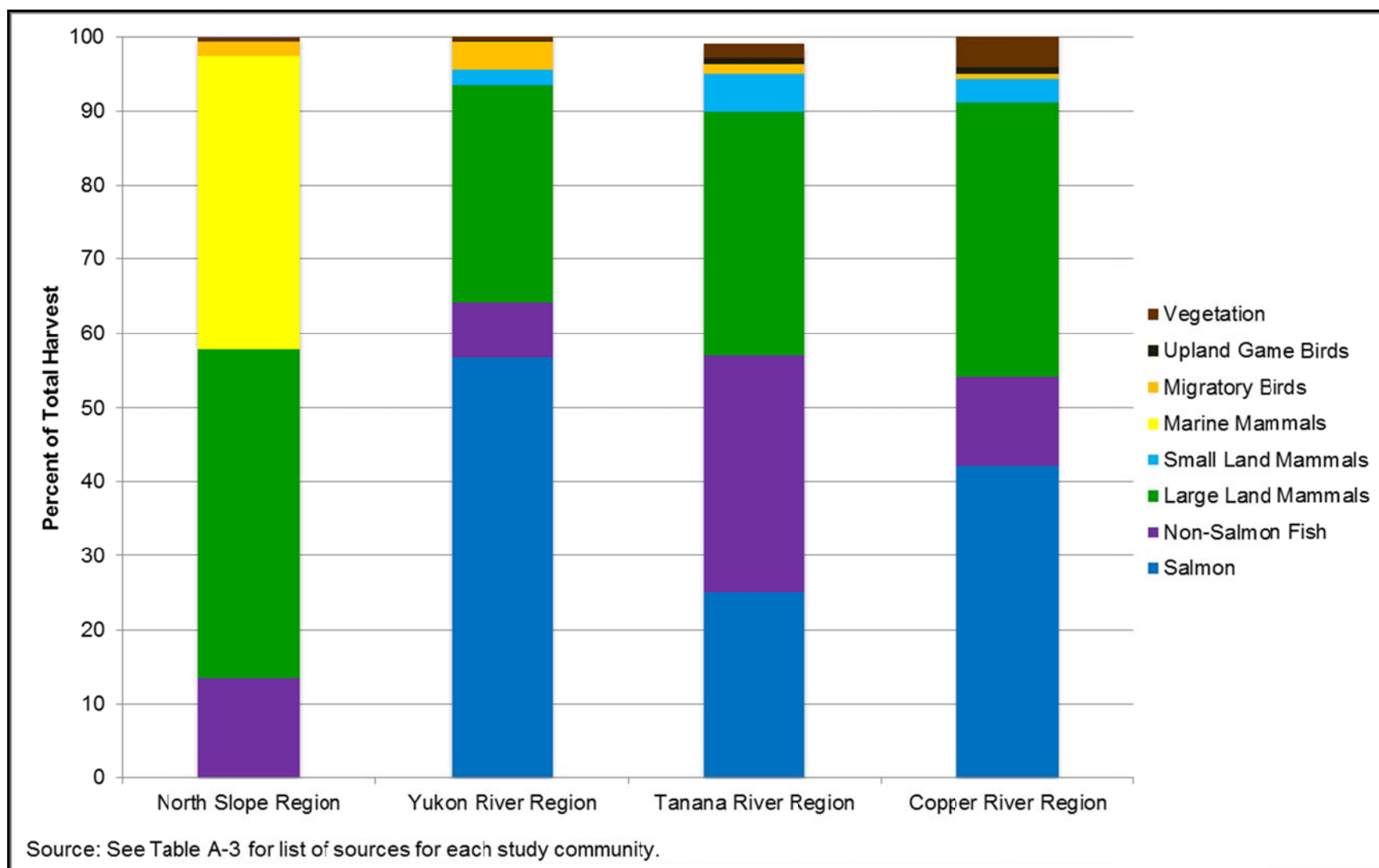


Figure E-255. All Resources Percent of Total Harvest by Study Region

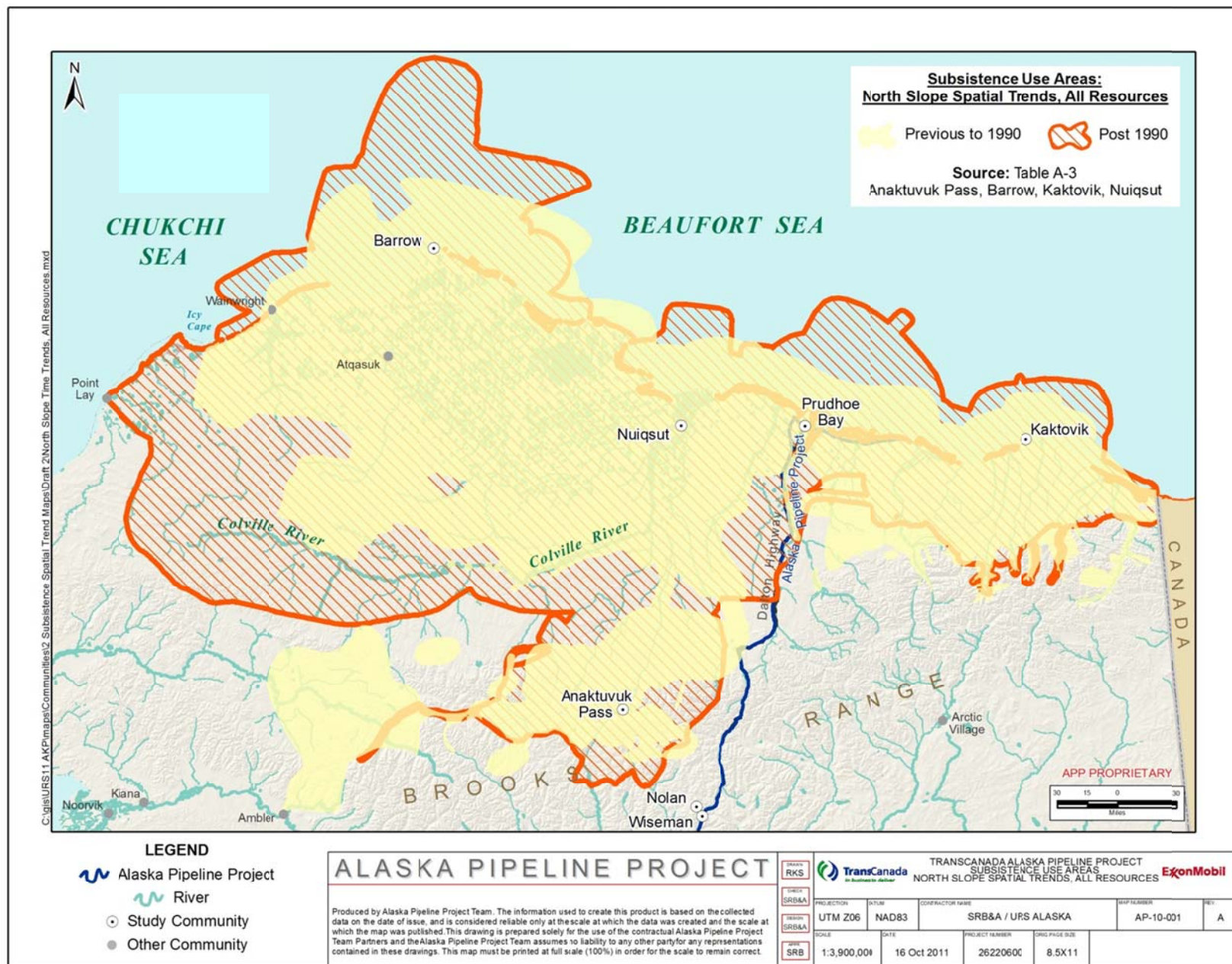


Figure E-256. North Slope Spatial Trends, All Resources

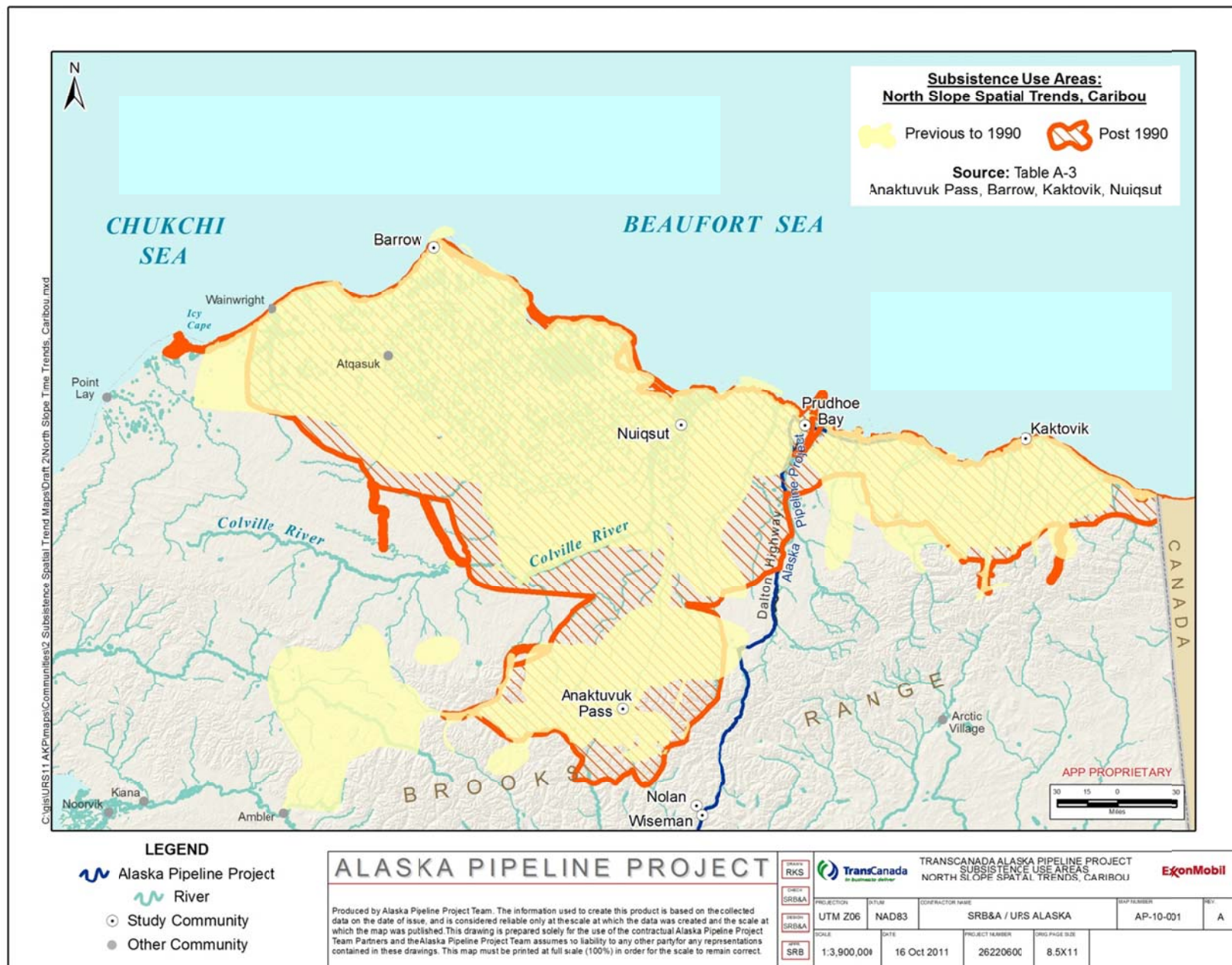


Figure E-257. North Slope Spatial Trends, Caribou

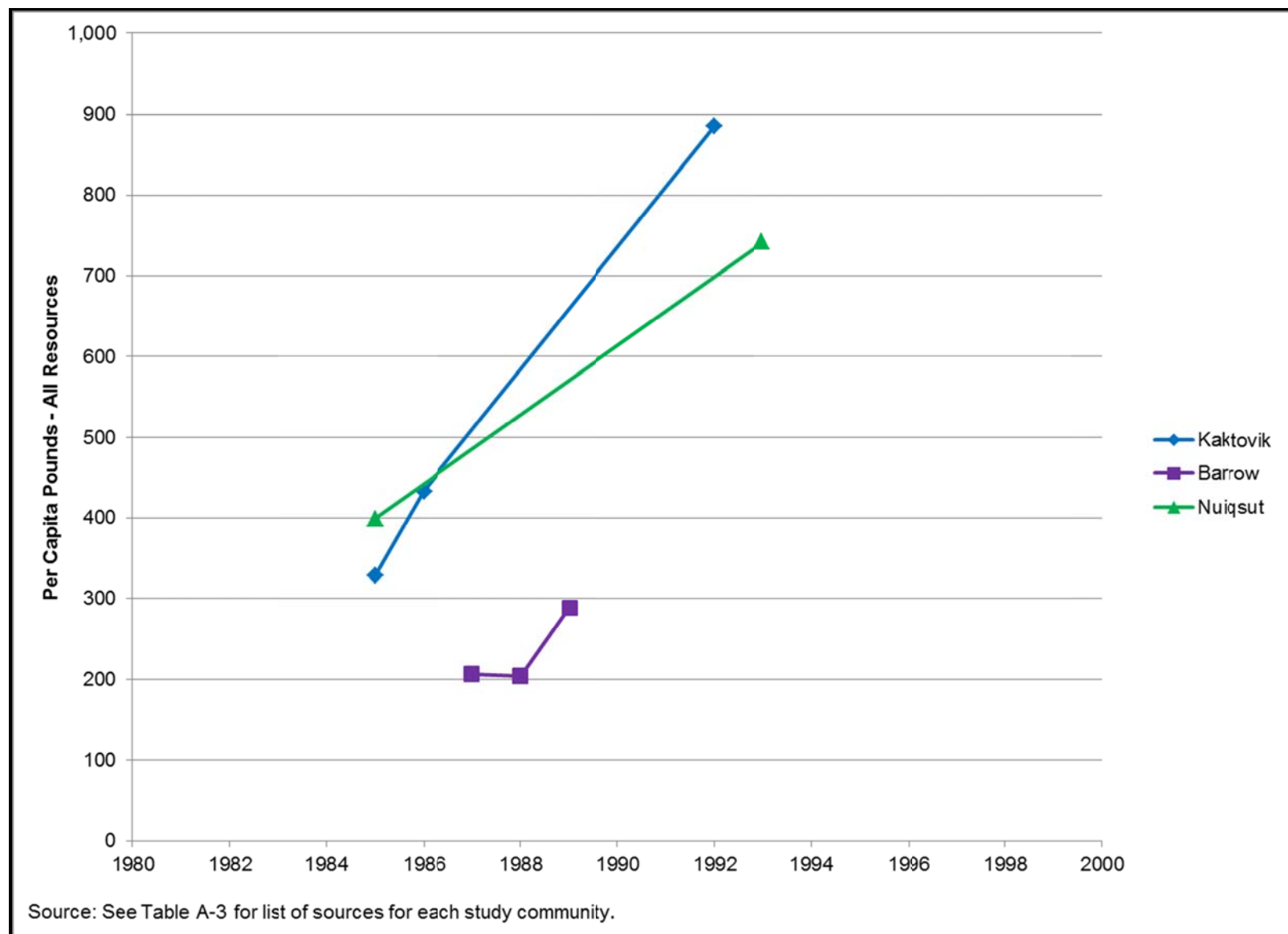


Figure E-258. All Resources Per Capita Pounds by North Slope Region Study Communities

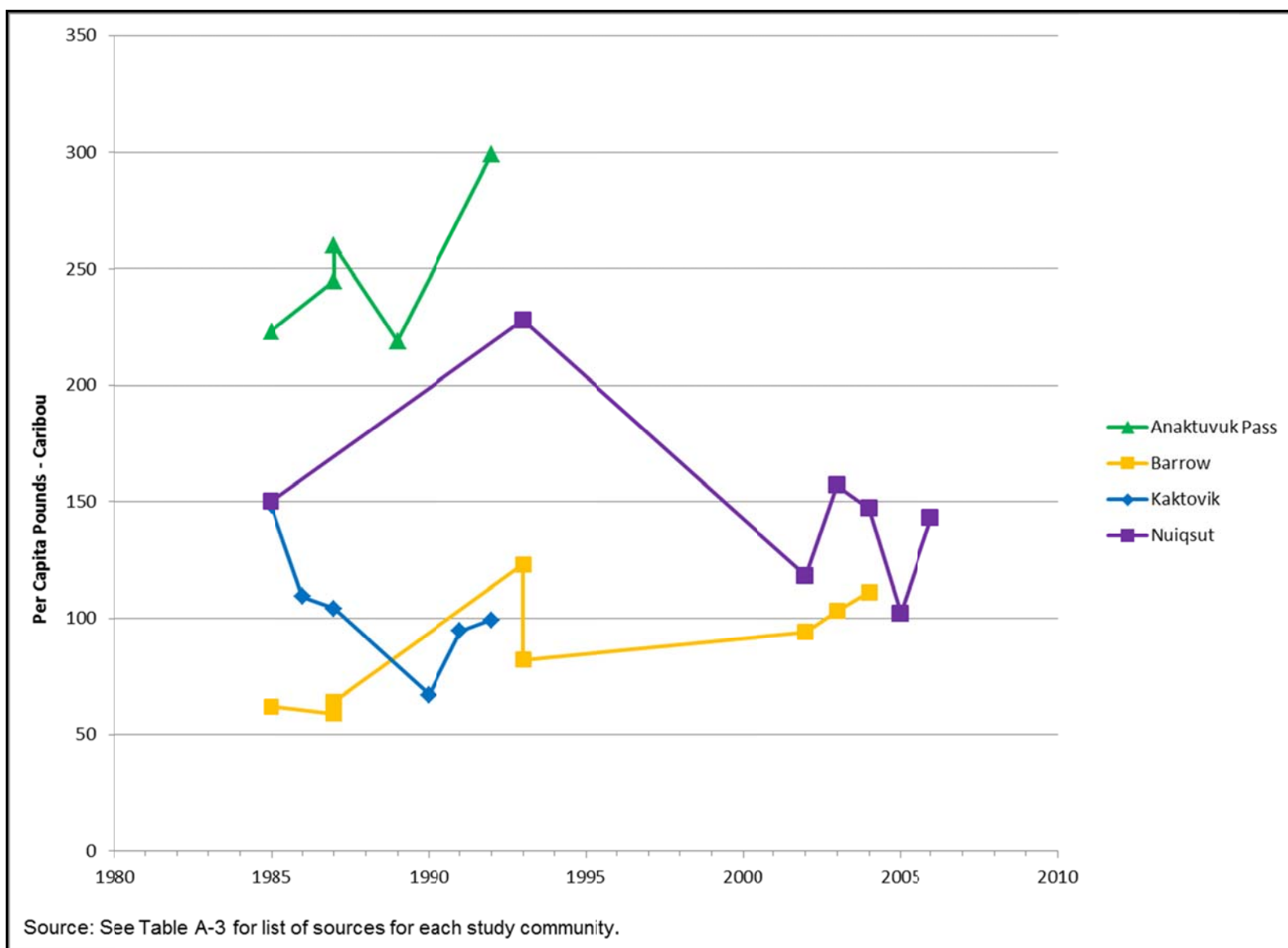


Figure E-259. Caribou Per Capita Pounds by North Slope Region Study Communities

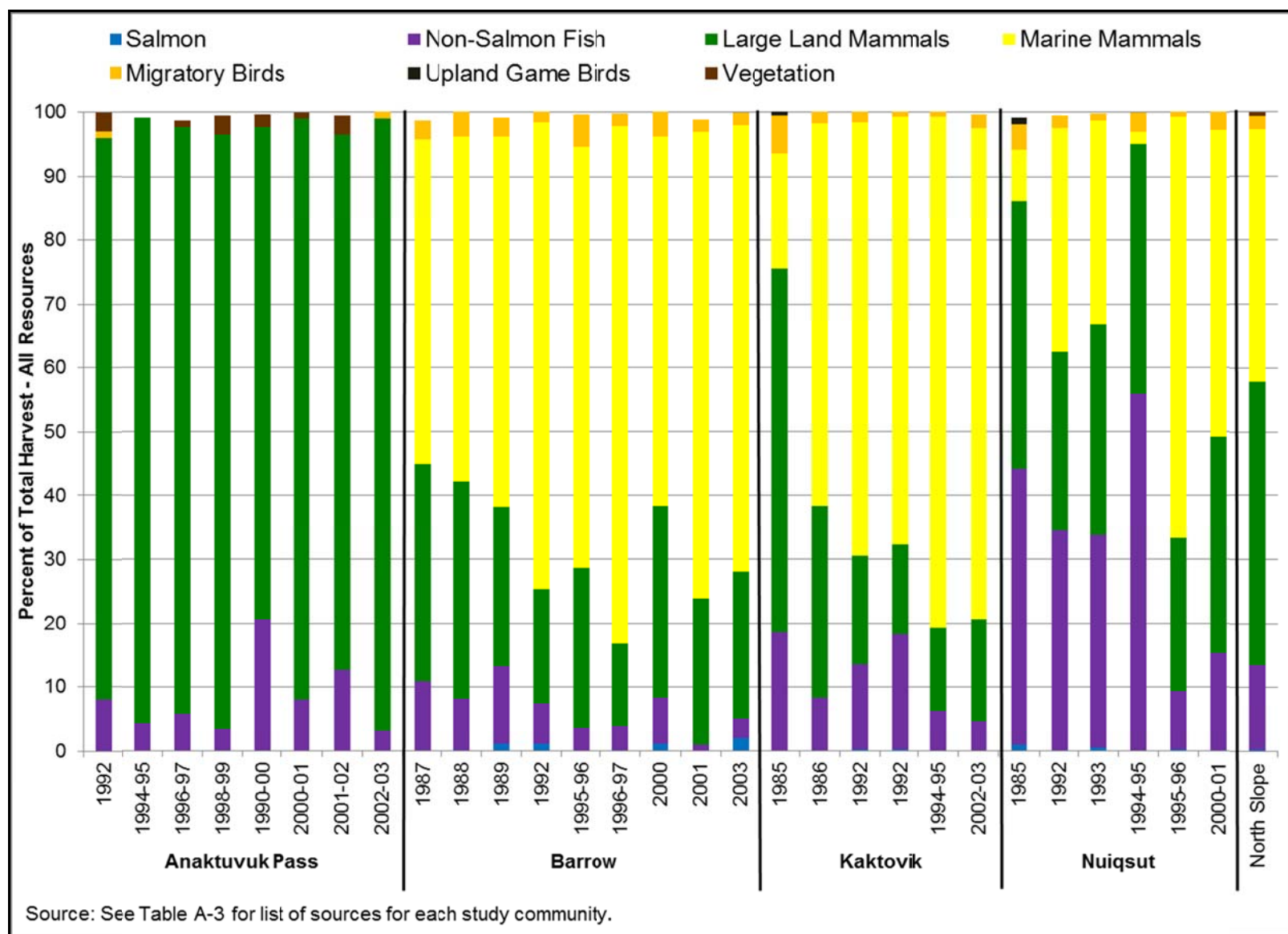


Figure E-260. All Resources Percent of Total Harvest by North Slope Region Study Communities

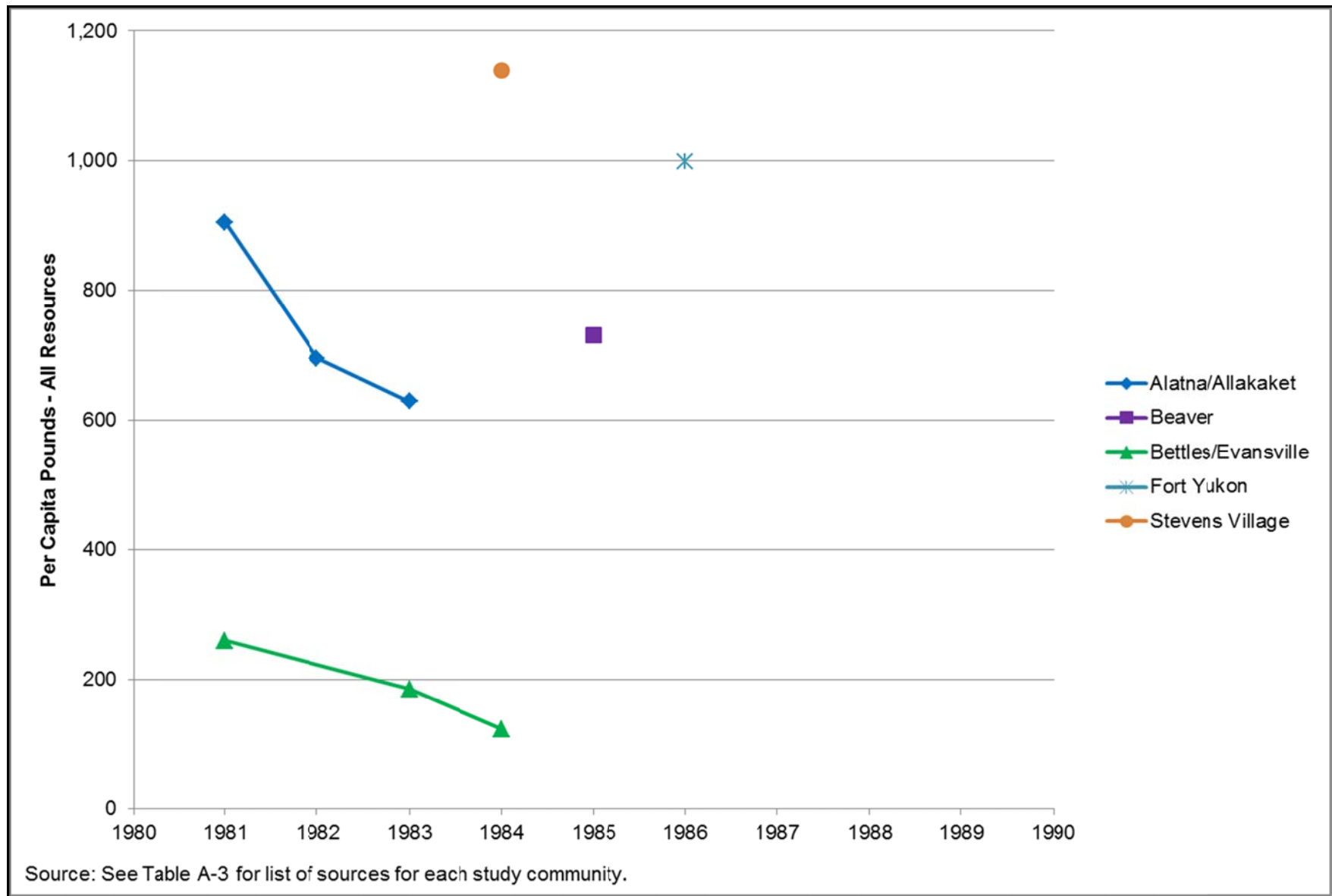


Figure E-261. All Resources Per Capita Pounds by Yukon River Region Study Communities

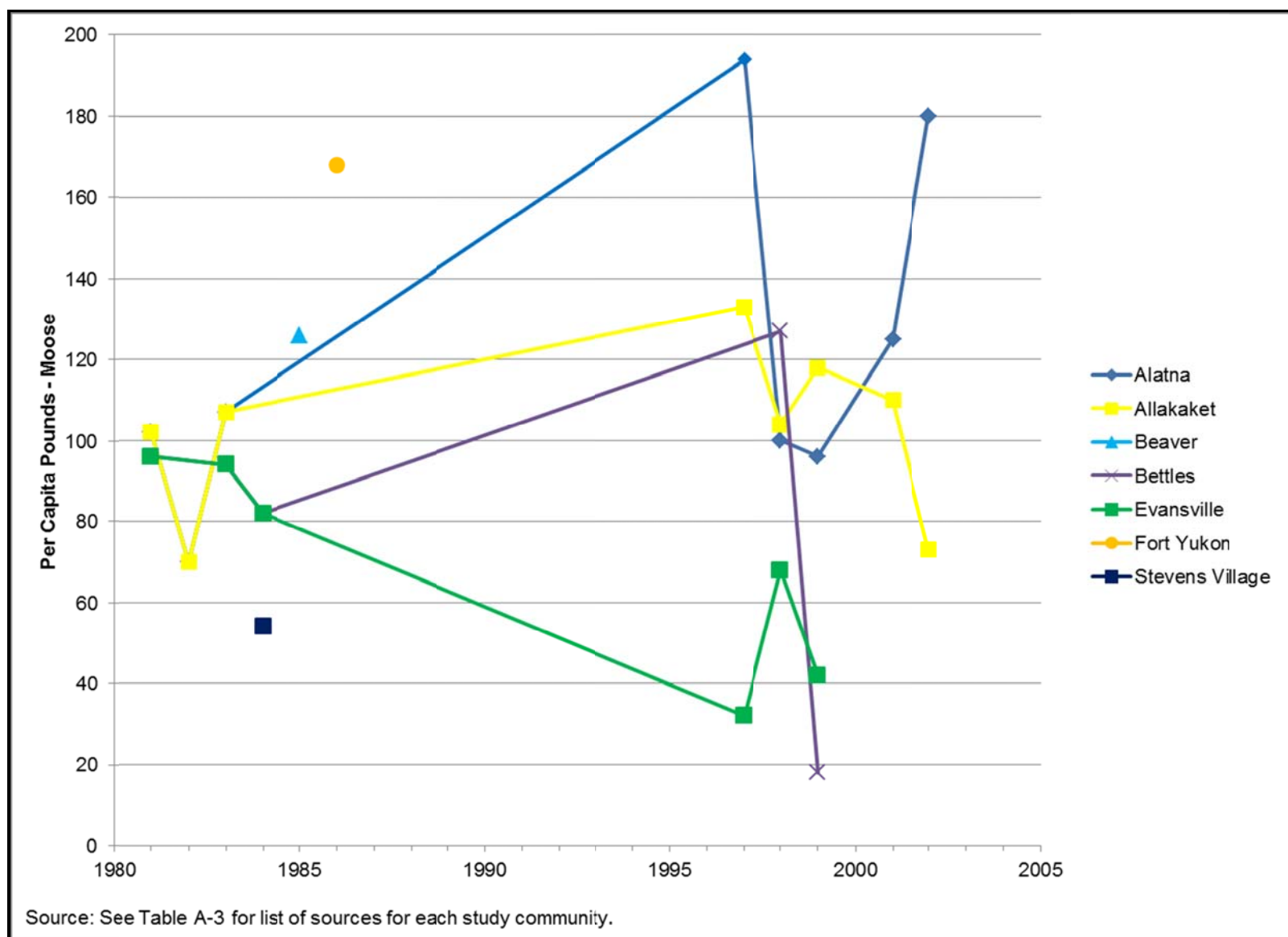


Figure E-262. Moose Per Capita Pounds by Yukon River Region Study Communities

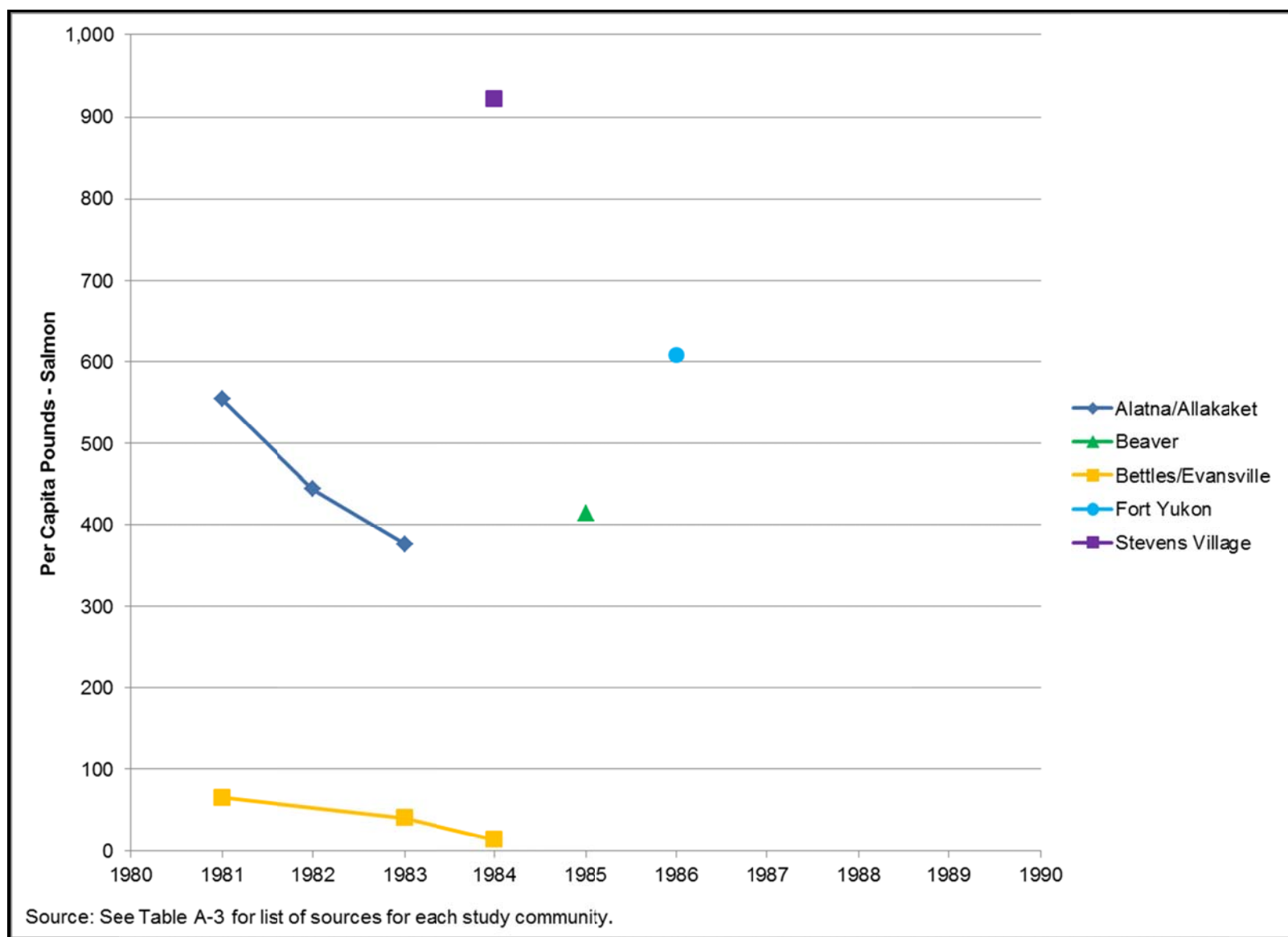


Figure E-263. Salmon Per Capita Pounds by Yukon River Region Study Communities

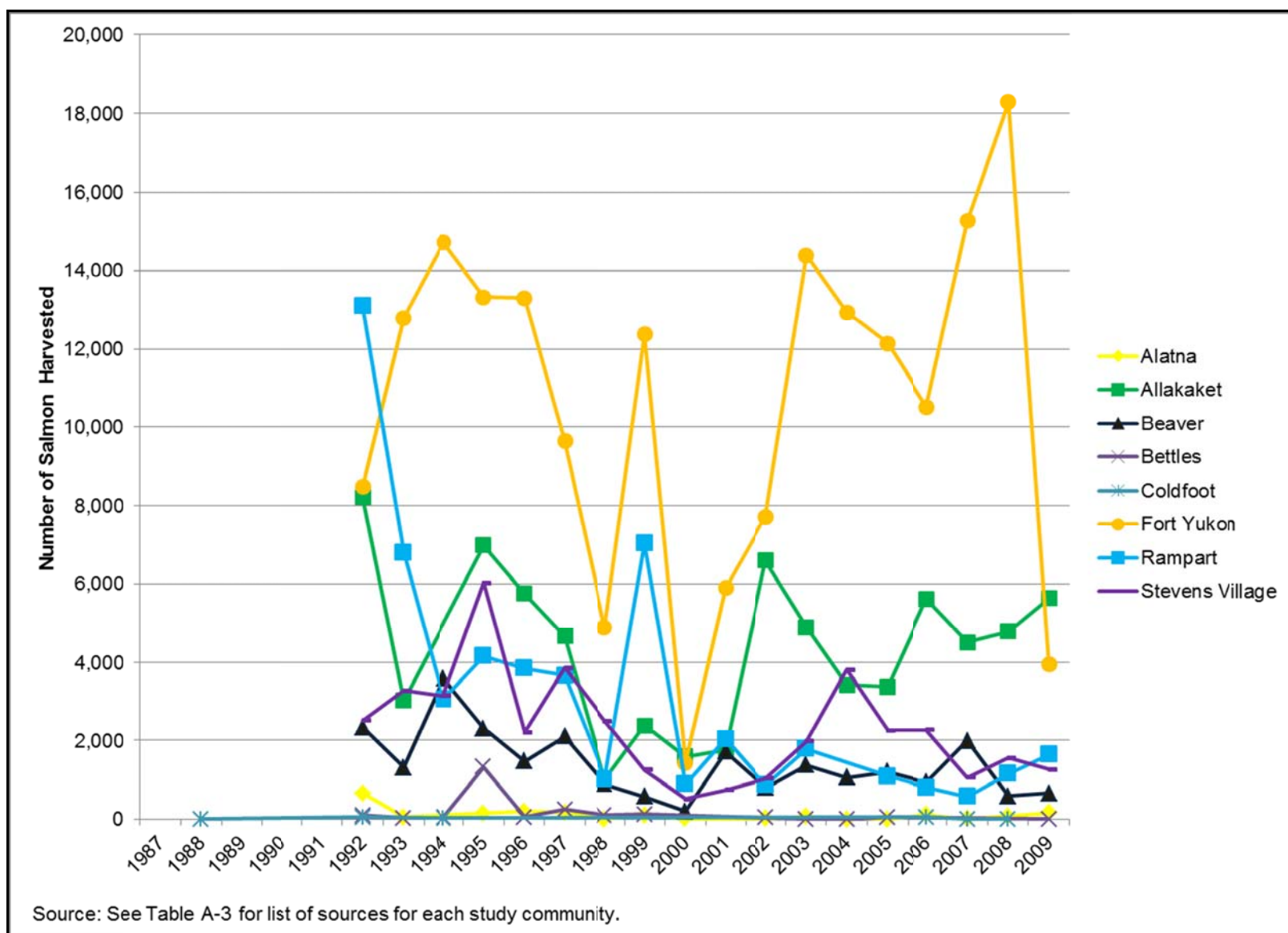


Figure E-264. Number of Salmon Harvested by Yukon River Region Study Communities

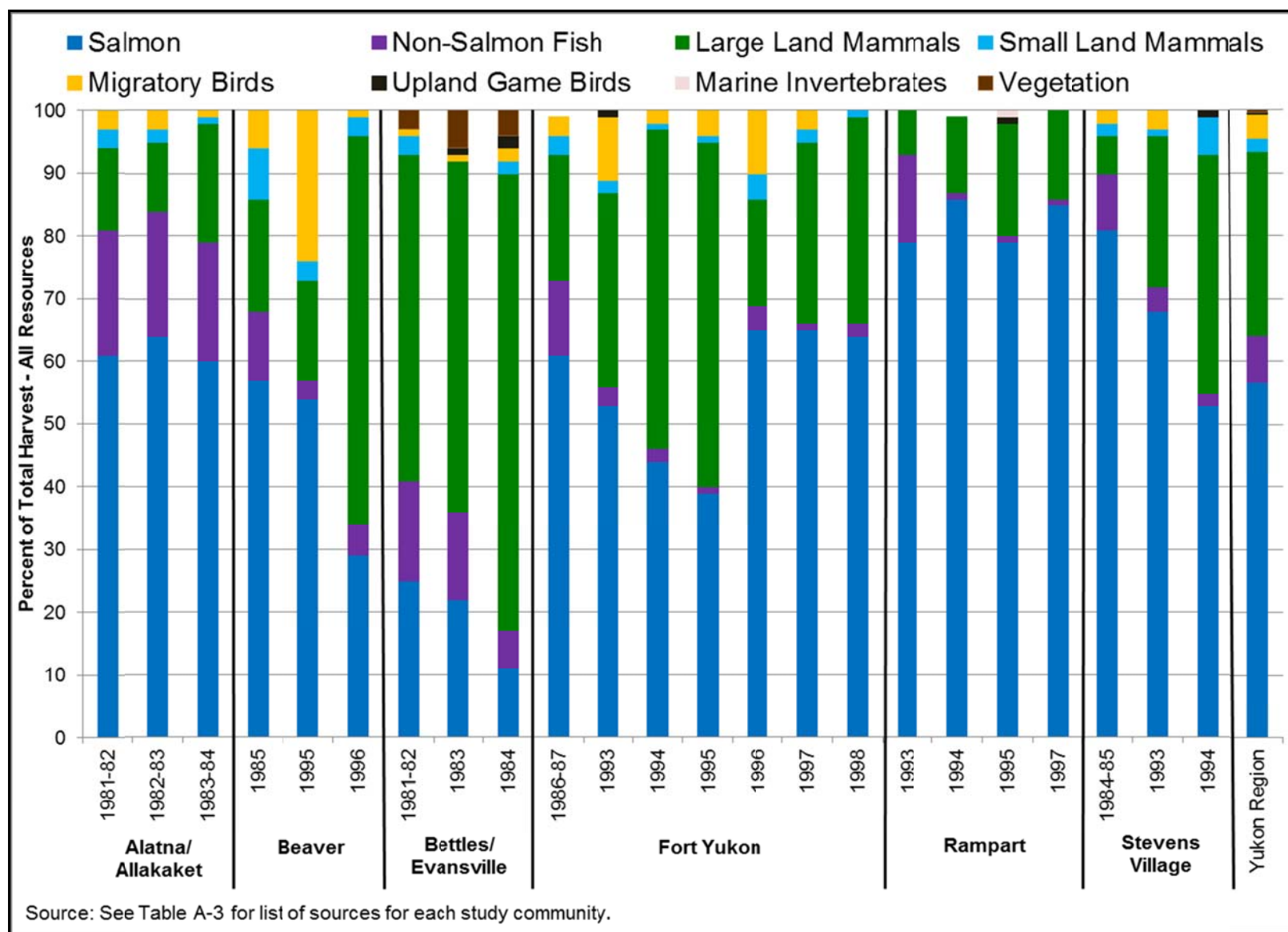


Figure E-265. All Resources Percent of Total Harvest by Yukon River Region Study Communities

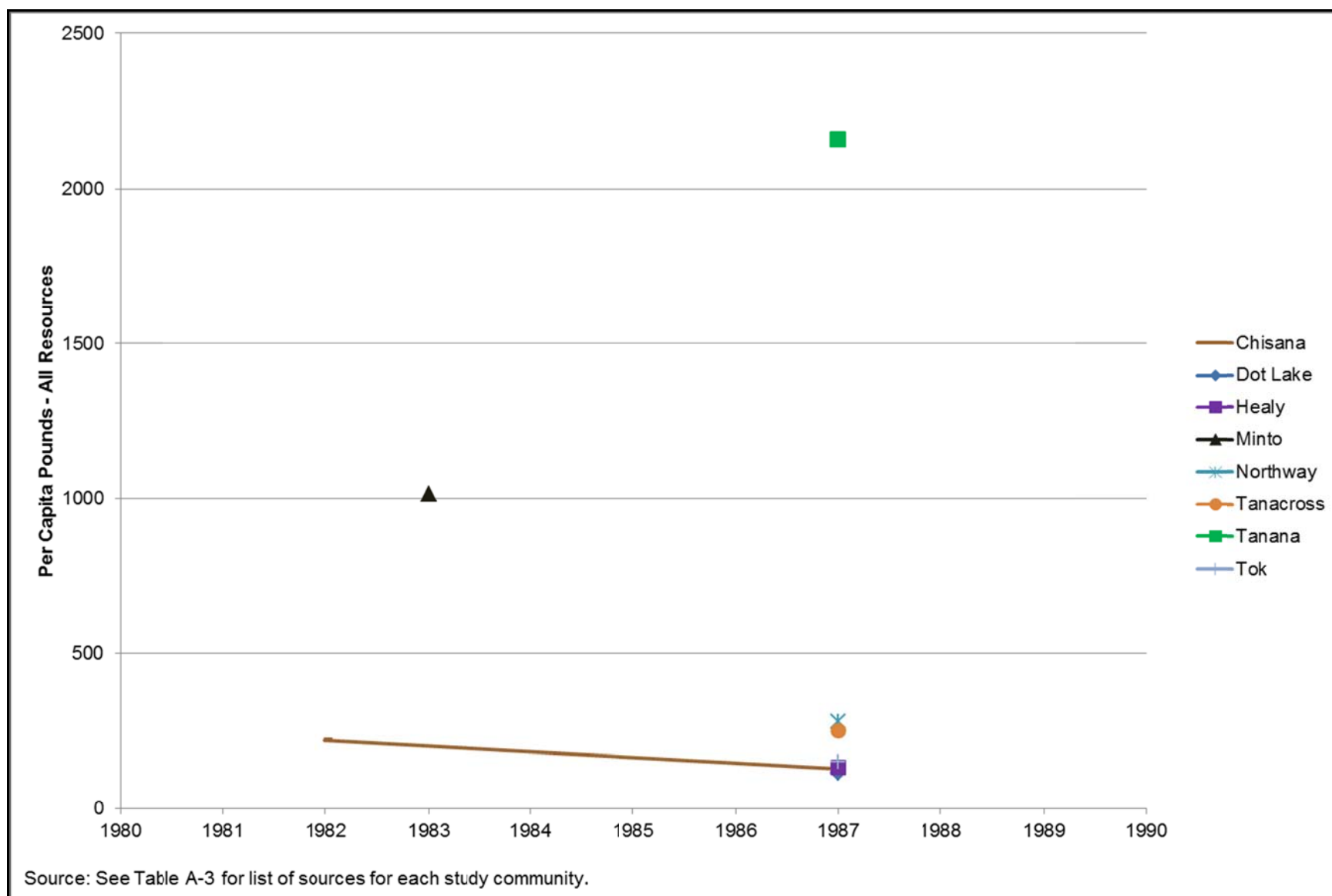


Figure E-266. All Resources Per Capita Pounds by Tanana River Region Study Communities

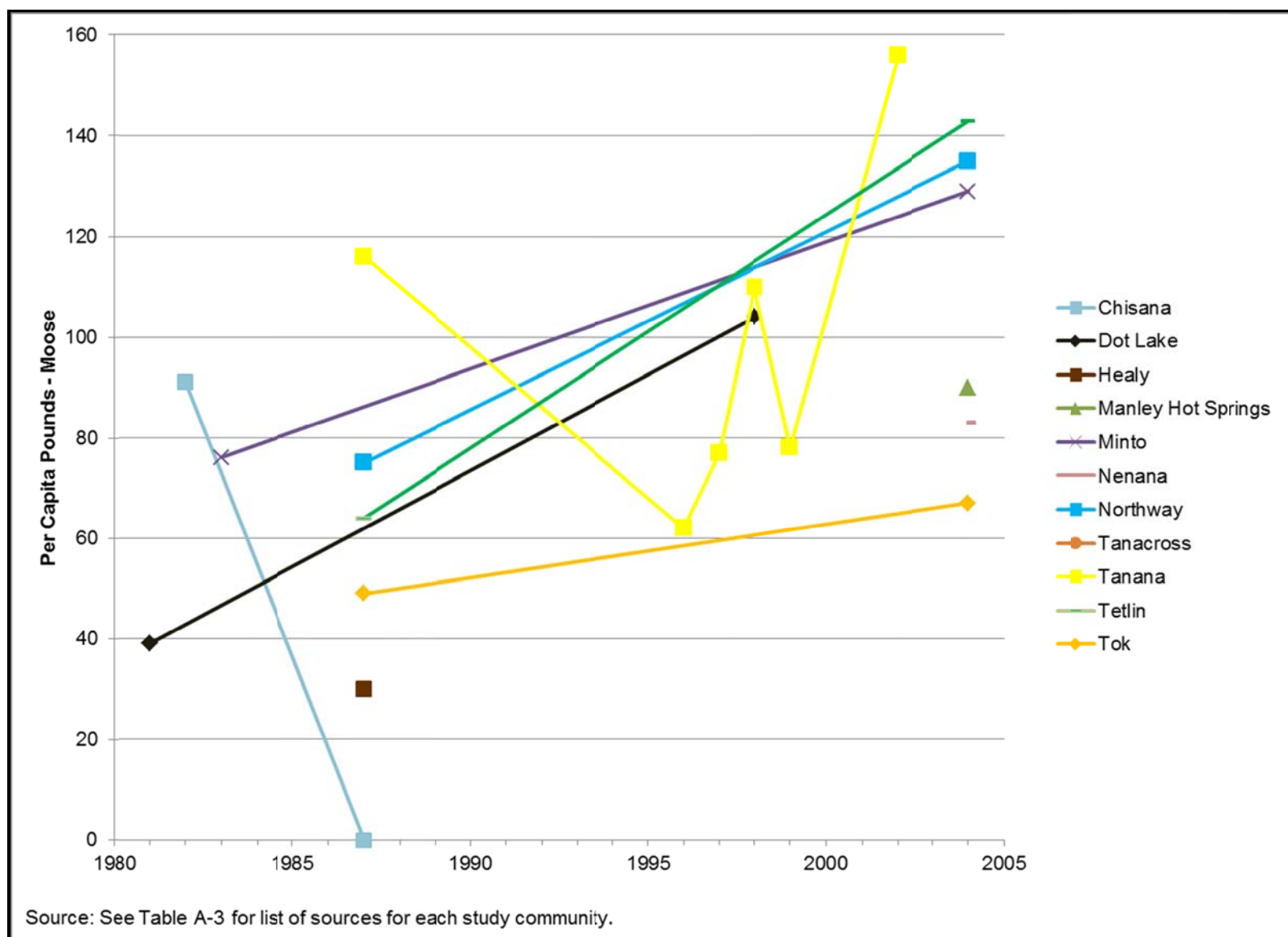


Figure E-267. Moose Per Capita Pounds by Tanana River Region Study Communities

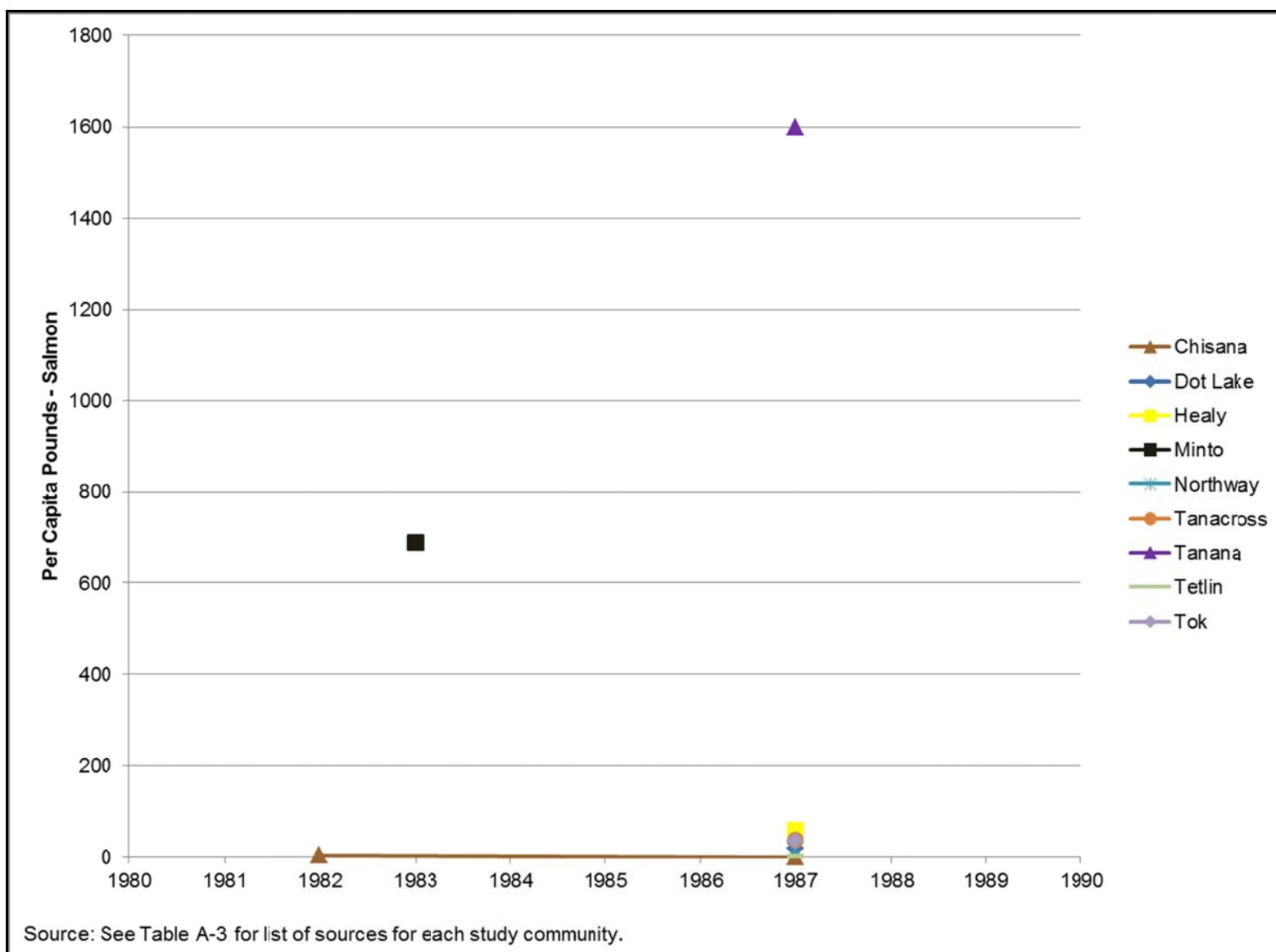


Figure E-268. Salmon Per Capita Pounds by Tanana River Region Study Communities

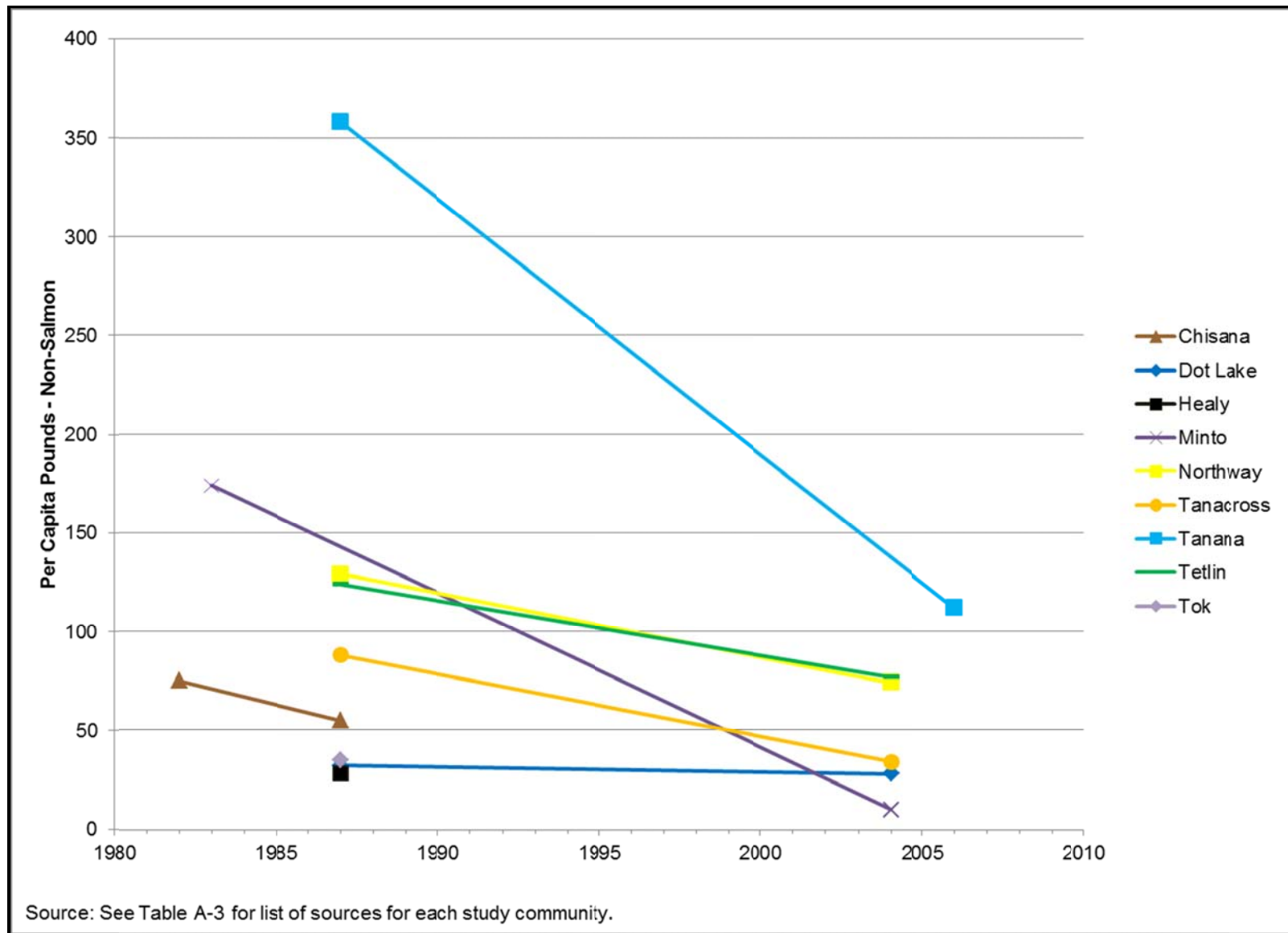


Figure E-269. Non-Salmon Per Capita Pounds by Tanana River Region Study Communities

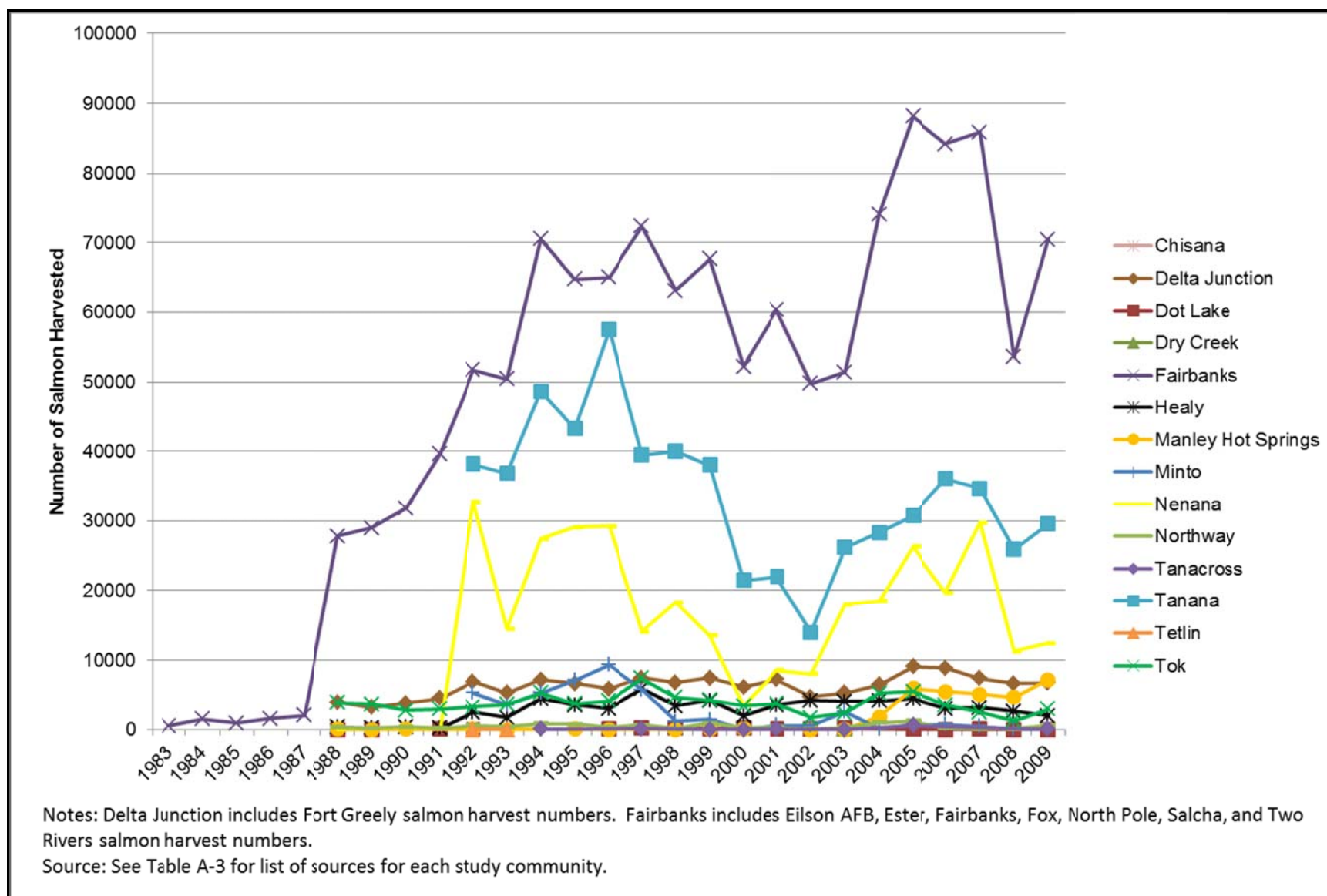


Figure E-270. Number of Salmon Harvested by Tanana River Region Study Communities

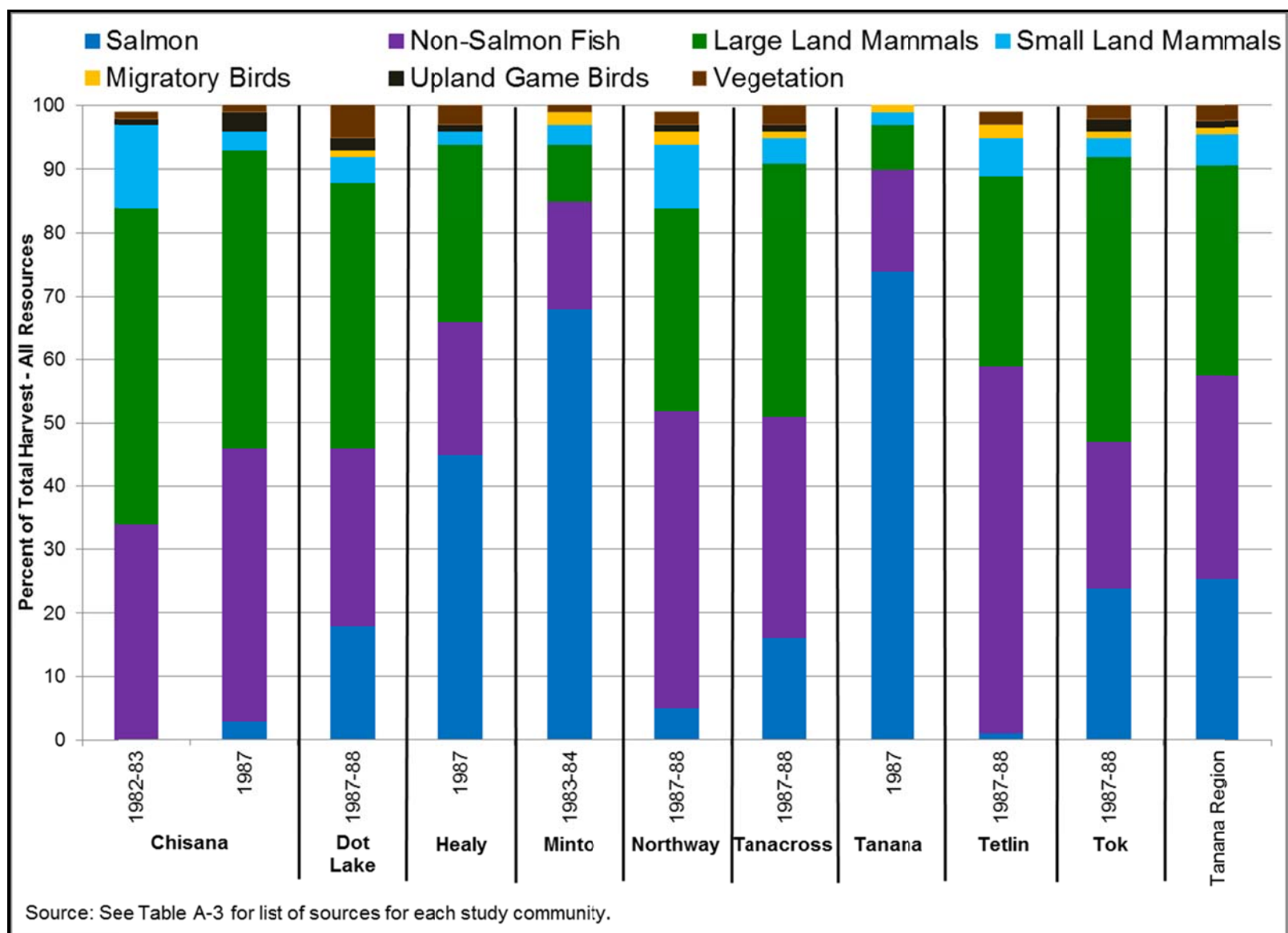


Figure E-271. All Resources Percent of Total Harvest by Tanana River Region Study Communities

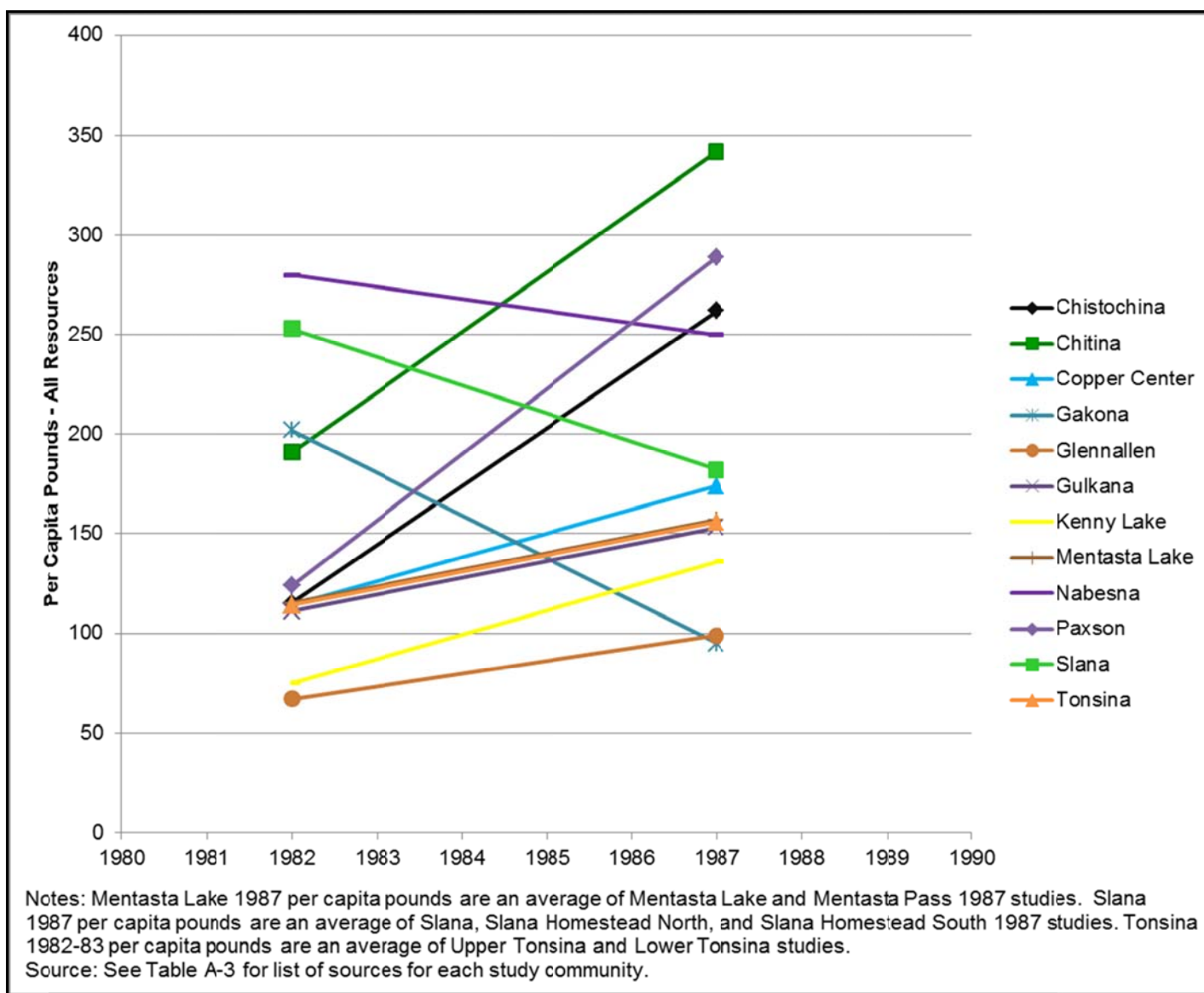


Figure E-272. All Resources Per Capita Pounds by Copper River Region Study Communities

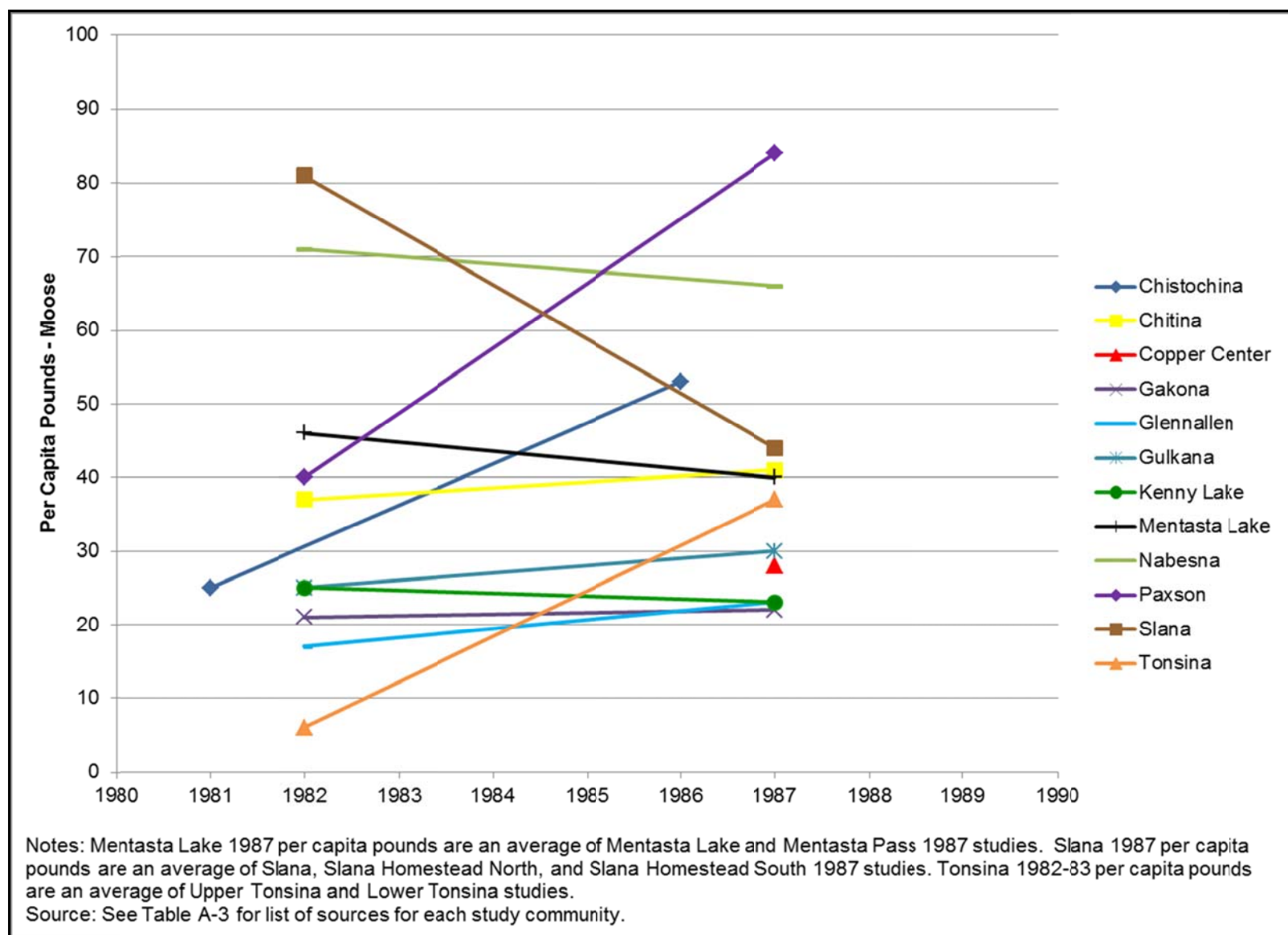


Figure E-273. Moose Per Capita Pounds by Copper River Region Study Communities

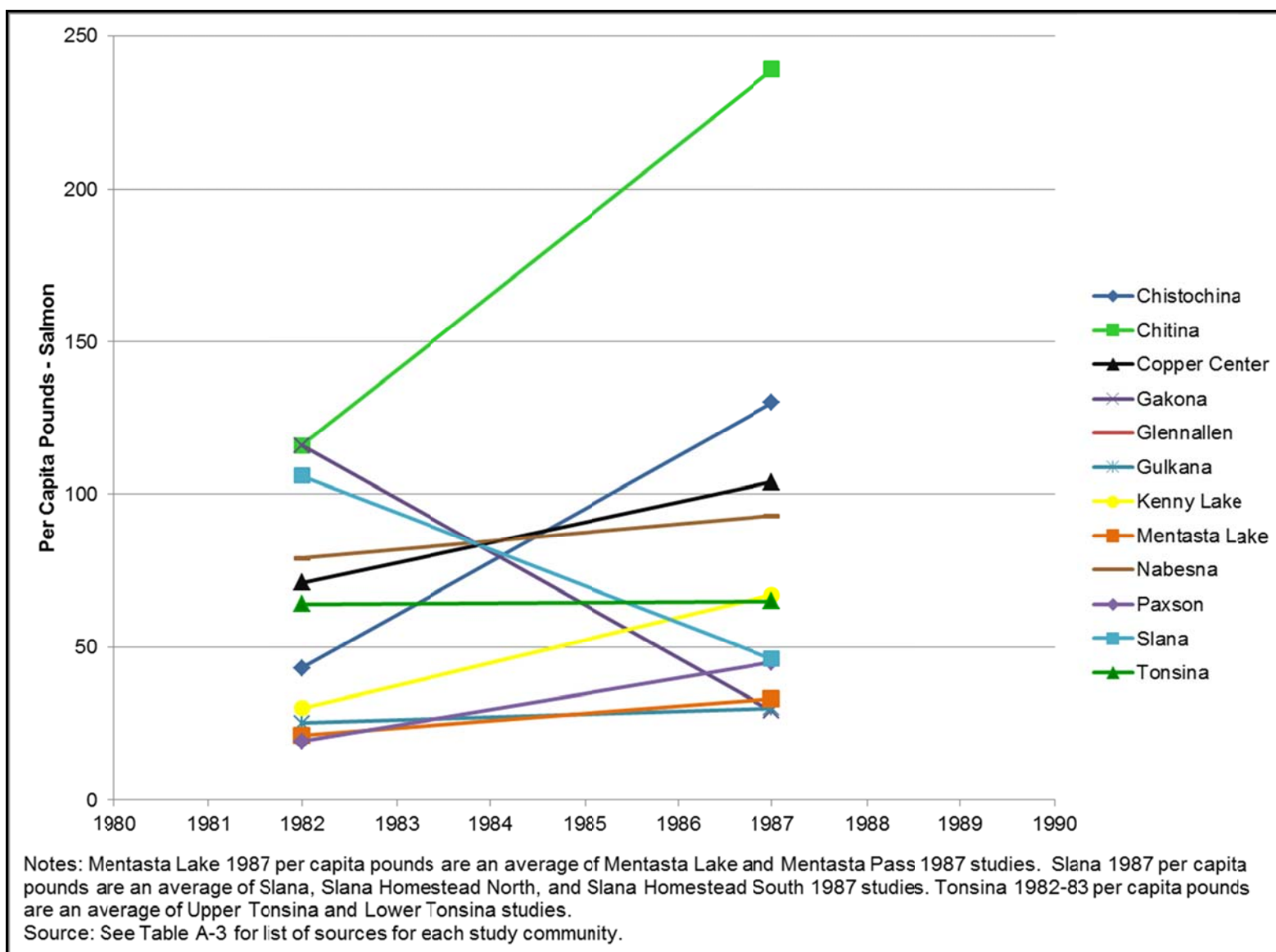


Figure E-274. Salmon Per Capita Pounds by Copper River Region Study Communities

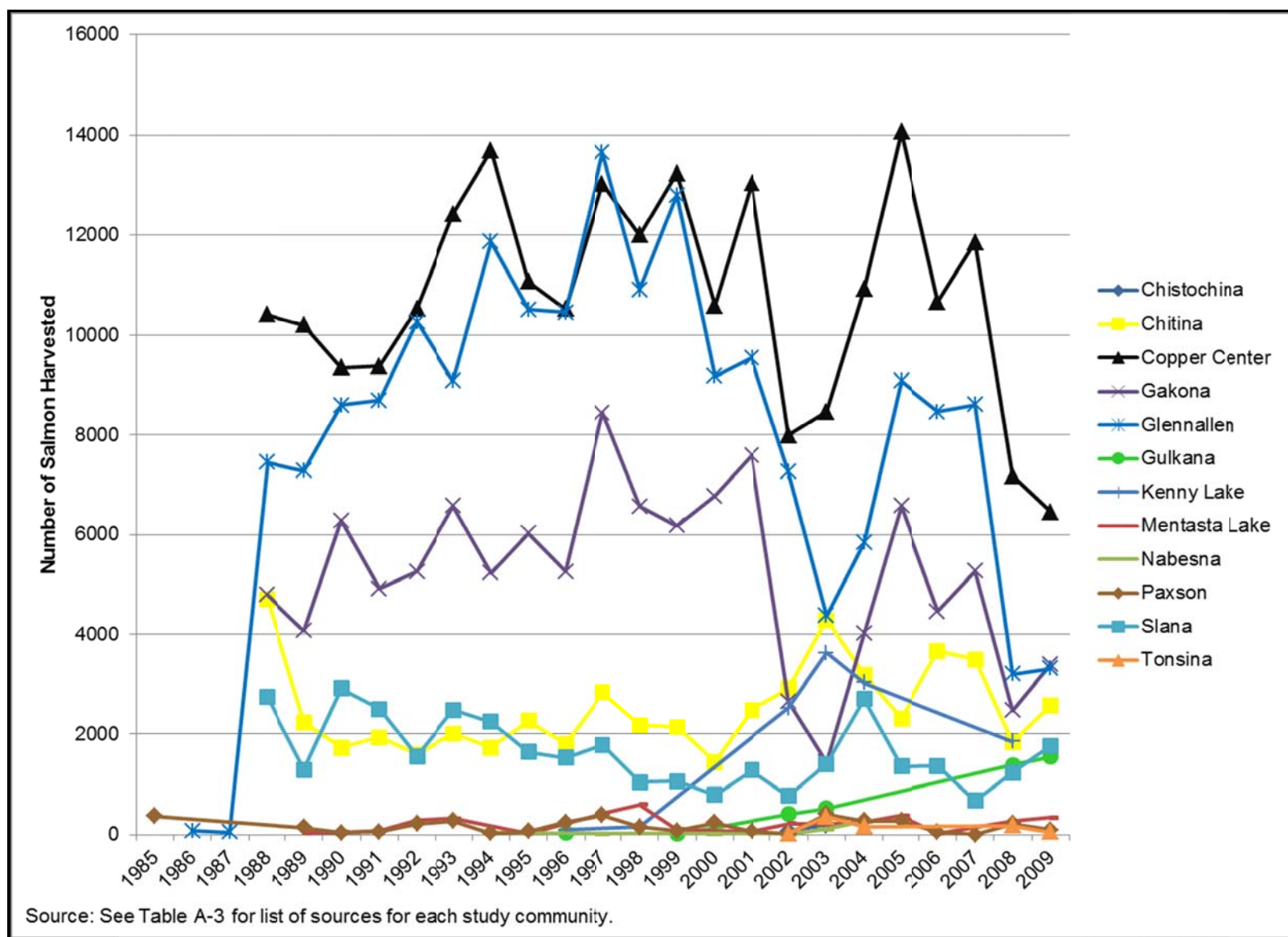


Figure E-275. Number of Salmon Harvested by Copper River Region Study Communities

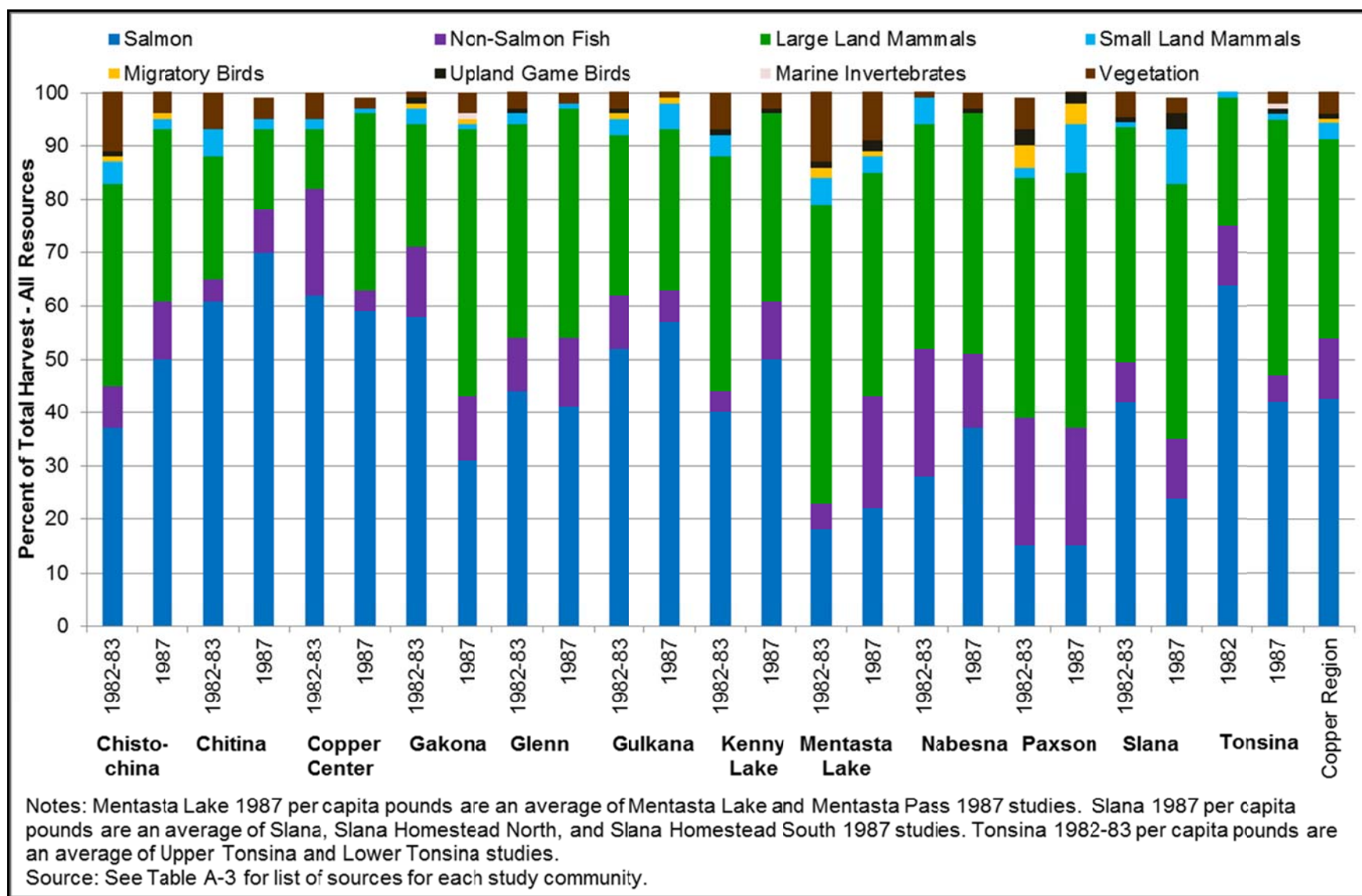


Figure E-276. All Resources Percent of Total Harvest by Copper River Region Study Communities

REFERENCES: RESOURCE REPORT 5 TABLES AND FIGURES

- Adams, L., R. Stephenson, B. Dale, R. Ahgook, and D. Demma. 2008. Population Dynamics and Harvest Characteristics of Wolves in the Central Brooks Range, Alaska. Wildlife Monographs. Allen press.
- Alaska Department of Fish and Game (ADF&G). 1985. Alaska Habitat Management Guide. Southcentral Region: Reference Maps. Produced by ADF&G, Division of Habitat.
- Alaska Department of Fish and Game (ADF&G). 1986a. Alaska Habitat Management Guide. Arctic Region: Reference Maps. Produced by ADF&G, Division of Habitat.
- Alaska Department of Fish and Game (ADF&G). 1986b. Alaska Habitat Management Guide. Western and Interior Regions: Reference Maps. Produced by ADF&G, Division of Habitat.
- Alaska Department of Fish and Game (ADF&G). 2009. Alaska Subsistence Fisheries Database (ASFDB). Produced by ADF&G, Division of Subsistence.
- Alaska Department of Fish and Game (ADF&G). 2011. Community Subsistence Information System. Available online at <http://www.adfg.alaska.gov/sb/CSIS/index.cfm?ADFG=main.home>. Accessed September 2011.
- Andersen, D., C. Brown, R. Walker, and K. Elkin. 2004a. Traditional Ecological Knowledge and Contemporary Subsistence Harvest of Non-Salmon Fish in the Koyukuk River Drainage, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 282.
- Andersen D., C. Brown, R. Walker, and G. Jennings. 2004b. The 2001-2002 Harvest of Moose, Caribou, and Bear in Middle Yukon and Koyukuk River Communities. ADF&G, Division of Subsistence, Technical Paper No. 278.
- Andersen, D., and G. Jennings. 2001a. The 2000 Harvest of Migratory Birds in Ten Upper Yukon River Communities, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 268.
- Andersen, D., and G. Jennings. 2001b. The 2000 Harvest of Migratory Birds in Seven Upper Tanana River Communities, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 269.
- Andrews, E. 1988. The Harvest of Fish and Wildlife for Subsistence by Residents of Minto, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 137.
- Andrews, E. and R. Napoleon. 1985. Moose Hunting in the Minto Flats Management Area by Minto Permit Holders, 1984-85. ADF&G, Division of Subsistence, Technical Paper No. 122.
- Bacon, J., T. Hepa, H. Brower, Jr., M. Pederson, T. Olemaun, J. George, and B. Corrigan. 2009. Estimates Of Subsistence Harvest For Villages On The North Slope Of Alaska, 1994-2003. North Slope Borough, Department of Wildlife Management, Barrow, Alaska.

- Betts, M. 1997. Subsistence Harvest and Use Patterns for Rampart, Tanana, Stevens Village, Manley Hot Springs, Eureka, and Minto, Alaska: Eureka-Rampart Road Study Environmental Assessment. Northern Land Use Research, Inc. Prepared for Tryck Nyman Hayes, Inc. and Alaska Department of Transportation and Public Facilities.
- Braem, N., S. Pedersen, J. Simon, D. Koster, T. Kaleak, P. Leavitt, J. Patkotak, and P. Neakok. 2011. Monitoring of Annual Caribou Harvests in the National Petroleum Reserve in Alaska: Atkasuk, Barrow, and Nuiqsut, 2003–2007. ADF&G, Division of Subsistence, Technical Paper No. 361.
- Braund, Stephen R. & Associates (SRB&A). Unpublished-a. North Slope Borough Key Informant Subsistence Mapping Project, Barrow and Wainwright. Barrow use area data depict 1987-1989 use areas reported during 59 interviews. Wainwright use area data depict 1988-1989 use areas reported during 19 interviews.
- Braund, Stephen R. & Associates (SRB&A). 2002. Subsistence Uses of the Upper Tanana River Valley: Historical and Contemporary Patterns, Prepared as Background for the Pogo Project. Copy retained by EPA in Seattle, Washington.
- Braund, Stephen R. & Associates (SRB&A). 2003a. Field Interviews Conducted for U.S. Department of the Interior, Bureau of Land Management 2004 Alpine Satellite Development Plan Final Environmental Impact Statement.
- Braund, Stephen R. & Associates (SRB&A). 2003b. Field Interviews Conducted in March 2003 in Kaktovik, Alaska in preparation for the 2003 Point Thomson Environmental Impact Statement.
- Braund, Stephen R. & Associates (SRB&A). 2007. Yukon Flats Land Exchange Environmental Impact Statement Supplemental Baseline Study, Subsistence Use Areas and Traditional Knowledge Study for Beaver, Birch Creek, and Fort Yukon, Alaska. Prepared for U.S. Department of the Interior, Fish and Wildlife Service, Anchorage, Alaska.
- Braund, Stephen R. & Associates (SRB&A). 2010a. Subsistence Mapping of Nuiqsut, Kaktovik, and Barrow. Prepared for United States Department of the Interior, Minerals Management Service, Alaska OCS Region, Environmental Studies Program, Anchorage, Alaska.
- Braund, Stephen R. & Associates (SRB&A). 2010c. Nuiqsut Subsistence Monitoring Project: Results of 2009 Hunter Interviews. Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska.
- Braund, Stephen R. & Associates (SRB&A). 2011a. Chukchi and Beaufort Seas National Pollutant Discharge Elimination System Exploration General Permits Reissuance, Report of Traditional Knowledge Workshops – Point Lay, Barrow, Nuiqsut, and Kaktovik. Prepared for Tetra Tech and U.S. Environmental Protection Agency, Anchorage, Alaska.
- Braund, Stephen R. & Associates (SRB&A). 2011b. Nuiqsut Subsistence Monitoring Project: Results of Year Two Hunter Interviews. Prepared for ConocoPhillips Alaska, Inc., Anchorage, Alaska.
- Braund, Stephen R. & Associates (SRB&A). Forthcoming. Subsistence Use Area and Traditional Knowledge Studies: Anaktuvuk Pass, Barrow, and Nuiqsut. Foothills West Transportation Access Environmental Studies. Prepared for Three Parameters Plus, Inc., and the Alaska Department of Transportation and Public Facilities.
- Braund, Stephen R. & Associates (SRB&A) and Institute of Social and Economic Research (ISER). 1993. North Slope Subsistence Study: Barrow, 1987, 1988, and 1989.

- Prepared by: S. Braund, K. Brewster, L. Moorehead, T. Holmes, J. Kruse, S. Stoker, M. Glen, E. Witten, D. Burnham and W. Simeone. Prepared for the U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region Social and Economic Studies, Technical Report No. 149, OCS Study MMS 91-0086.
- Brower, H. Jr., and R. Hepa. 1998. North Slope Borough Subsistence Documentation Project: Data for Nuiqsut, Alaska for the Period July 1, 1994 to June 30, 1995. North Slope Borough, Department of Wildlife Management. Barrow, Alaska.
- Brower, H. Jr., T. Olemaun, and R. Hepa. 2000. North Slope Borough Subsistence Harvest Documentation Project: Data for Kaktovik, Alaska for the Period December 1, 1994 to November 30, 1995. North Slope Borough, Department of Wildlife Management. Barrow, Alaska.
- Brower, H. and R. Opie. 1996. North Slope Borough Subsistence Harvest Documentation Project: Data for Anaktuvuk Pass, Alaska for the Period July 1, 1994, to June 30, 1995. North Slope Borough, Department of Wildlife Management. Barrow, Alaska.
- Brown, W. 1979. Nuiqsut Paisanich: Nuiqsut Heritage, a Cultural Plan. Prepared for the Village of Nuiqsut and the North Slope Borough Planning Commission on History and Culture. Anchorage, Alaska.
- Brown, C., D. Koster, and P. Koontz. 2010. Traditional Ecological Knowledge and Harvest Survey of Nonsalmon Fish in the Middle Yukon River Region, Alaska, 2005-2008. ADF&G, Division of Subsistence, Technical Paper No. 358.
- Brown, C., R. Walker, and S. Vanek. 2004. The 2002-2003 Harvest of Moose, Caribou, and Bear in Middle Yukon and Koyukuk River Communities. ADF&G, Division of Subsistence, Technical Paper No. 280.
- Case, M. 1986. Wild Resource Use in Northway, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 132.
- Case, M. and L. Halpin. 1990. Contemporary Wild Resource Use Patterns in Tanana, Alaska, 1987. ADF&G, Division of Subsistence, Technical Paper No. 178.
- Caulfield, R. 1983. Subsistence Land Use in Upper Yukon Porcupine Communities, Alaska: "Dinjii Nats'aa Nan Kak Adagwaandaii". ADF&G, Division of Subsistence, Technical Paper No. 16.
- Coffing, M. and S. Pedersen. 1985. Caribou Hunting: Land Use Dimensions, Harvest Level and, Selected Aspects of the Hunt During Regulatory Year 1983-84 in Kaktovik, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 120.
- Council of Athabascan Tribal Governments (CATG). 2002. Yukon Flats Moose Harvest Data and TEK Study. Final Report Agreement #701811C075.
- Council of Athabascan Tribal Governments (CATG). 2003. Yukon Flats Moose, Bear, Wolf Harvest Data Collection. CATGNR Technical Document 03-02.
- Council of Athabascan Tribal Governments (CATG). 2005. Yukon Flats Moose, Bear, Wolf Harvest Data Collection. Technical Document 05-01.
- EDAW, Inc. 2008. Quantitative Description of Potential Impacts of OCS Activities on Bowhead Whale Hunting Activities in the Beaufort Sea. Prepared by EDAW, Inc., Adams/Russell Consulting, Applied Sociocultural Research, D. Callaway, Circumpolar Research Associates, and Northern Economics, Inc. Prepared for U.S. Department of the Interior,

- Minerals Management Service, MMS Alaska Region Environmental Studies Program, OCS Study MMS 2007-062.
- Fuller, A. and J. George. 1999. Evaluation of Subsistence Harvest Data from the North Slope Borough 1993 Census for Eight North Slope Villages: For the Calendar Year 1992. North Slope Borough, Department of Wildlife Management, Barrow, Alaska.
- Haley, B., and M. Nemeth. 2005. Atlas of Non-Salmon Fish Harvested for Subsistence by Select Communities in the Upper Copper River Drainage in 2001. Unpublished Report Prepared for U.S. Department of the Interior, Fish and Wildlife Service, Office of Subsistence Management, by LGL Alaska Research Associates, Inc.
- Hall, E., S. Gerlach, and M. Blackman. 1985. In the National Interest: A Geographically Based Study of Anaktuvuk Pass Inupiat Subsistence through Time: Volume 1 and Volume 2. North Slope Borough, Barrow, Alaska.
- Halpin, L. 1987. Living off the Land: Contemporary Subsistence in Tetlin, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 149.
- Haynes, T., M. Case, J. Fall, L. Halpin, and M. Robert. 1984. The Use of Copper River Salmon and Other Wild Resources by Upper Tanana Communities, 1983-1984. ADF&G, Division of Subsistence, Technical Paper No. 115.
- Impact Assessment Inc. 1990a. Subsistence Resource Harvest Patterns: Nuiqsut. Prepared for U.S. Department of the Interior, Minerals Management Service, Alaska OCS Region Social and Economic Studies, OCS Study MMS 90-0038, Special Report No. 8.
- Jacobson, M. and C. Wentworth. 1982. Kaktovik Subsistence: Land Use Values through Time in the Arctic National Wildlife Refuge Area. Prepared by U.S. Department of the Interior, Fish and Wildlife Service, Northern Alaska Ecological Services, Fairbanks, Alaska.
- Koskey, M., and K. Mull. 2011. Traditional Ecological Knowledge and Biological Sampling of Nonsalmon Fish Species in the Yukon Flats Region, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 362.
- Krauss, M., J. Holton, and C. West. 2011. Indigenous Peoples and Languages of Alaska. Fairbanks and Anchorage: Alaska Native Language Center and UAA Institute of Social and Economic Research. Available online at: <http://www.uaf.edu/anla/map>. Accessed September 2011.
- Marcotte, J. 1991. Wild Fish and Game Harvest and Use by Residents of Five Upper Tanana Communities, Alaska, 1987-88. ADF&G, Division of Subsistence, Technical Paper No. 168.
- Marcotte, J. 1995. Minto Subsistence Pike and Whitefish Harvest Assessment, 1995 [DRAFT]. ADG&G, Division of Subsistence, Special Publication No. 2.
- Marcotte, J. and T. Haynes. 1985. Contemporary Resource Use Patterns in the Upper Koyukuk Region, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 93.
- Martin, G. 1983. Use of Natural Resources by the Residents of Dot Lake, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 19.
- McKennan, R. 1959. The Upper Tanana Indians. Yale University Publications in Anthropology, No. 55.
- McMillan, P. and S. Cuccarese. 1988. Alaska Over-The-Horizon Backscatter Radar System: Characteristics of Contemporary Subsistence Use Patterns in the Copper River Basin and Upper Tanana Area: Volumes I and II. Arctic Environmental Information and Data Center, University of Alaska, Anchorage.

- Naves, L. 2010. Alaska Migratory Bird Subsistence Harvest Estimates, 2008, Alaska Migratory Bird Co-Management Council. ADF&G, Division of Subsistence, Anchorage, Alaska.
- North Slope Borough Contract Staff. 1979. Native Livelihood and Dependence: A Study of Land Use Values through Time. U.S. Department of the Interior. Anchorage, Alaska.
- Pedersen, S. 1979. Regional Subsistence Land Use, North Slope Borough, Alaska. Anthropology and Historic Preservation, Cooperative Park Studies Unit, University of Alaska, Fairbanks, Alaska and Conservation and Environmental Protection, North Slope Borough, Barrow, Alaska, Occasional Paper No. 21.
- Pedersen, S. 1986. Nuiqsut Subsistence Land Use Atlas, 1986 Update. ADF&G, Division of Subsistence, Fairbanks, Alaska, File Report 1986-01.
- Pedersen, S. 1990. Caribou Hunting: Land Use Dimensions, Harvest Level, and Selected Aspects of the Hunt during Regulatory Year 1987-88 in Kaktovik, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 172.
- Pedersen, S., M. Coffing, and J. Thompson. 1985. Subsistence Land Use and Places Names Maps for Kaktovik, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 109.
- Pedersen, S., T. Haynes, and R. Wolfe. 1991. Historic and Current Use of Musk Ox by North Slope Residents, with Specific Reference to Kaktovik, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 206.
- Pedersen, S. and C. Hugo. 2005. Anaktuvuk Pass Subsistence Fishery Harvest Assessment: October 2001 through September 2003. Final Report to U.S. Department of the Interior, Fish and Wildlife Service, Office of Subsistence Management, Anchorage, Alaska.
- Pedersen, S. and A. Linn, Jr. 2005. Kaktovik 2000-2002 Subsistence Fishery Harvest Assessment. Final Report to U.S. Department of the Interior, Fish and Wildlife Service, Office of Subsistence Management, Anchorage, Alaska.
- Pedersen, S. and J. Nageak. 2009. Documentation of Caribou Harvest Levels in Anaktuvuk Pass, June 2006-May 2007, File Report. Originally Printed in November 2008. ADF&G, Division of Subsistence, Fairbanks, Alaska.
- Pedersen, S. and T. Opie. 1991. Documentation of Caribou Harvest Levels in Anaktuvuk Pass, 1990-91, File Report. ADF&G, Division of Subsistence, Fairbanks, Alaska.
- Pedersen, S. and T. Opie. 1992. Documentation of Caribou Harvest Levels in Anaktuvuk Pass, 1991-92, File Report. ADF&G, Division of Subsistence, Fairbanks, Alaska.
- Pedersen, S. and T. Opie. 1994. Documentation of Caribou Harvest Levels in Anaktuvuk Pass, 1993-94, File Report. ADF&G, Division of Subsistence, Fairbanks, Alaska.
- Research Foundation of State University of New York. 1984. Ethnographic Study and Monitoring Methodology of Contemporary Economic Growth, Socio-Cultural Change and Community Development in Nuiqsut, Alaska. In: Nuiqsut Case Study. Prepared for the U.S. Department of the Interior, Minerals Management Service, Alaska Outer Continental Shelf Region, Leasing and Environment Office, Social and Economic Studies Unit, Technical Report No. 96.
- Scott, C. 1998. Invitation to Dialogue: Land and Renewable Resource Use Over Time in Wiseman, Alaska, Technical Report NPS/CCSOUW/NRTR-98-03, NPS D-31. University of Washington, College of Forest Resources, Field Station for Protected Area Research, Seattle, Washington.

- Shimkin, D. 1955. The Economy of a Trapping Center: The Case of Fort Yukon, Alaska. Economic Development and Cultural Change, Volume 3, No. 3.
- Shinkwin, A. and M. Case. 1984. Modern Foragers: Wild Resource Use in Nenana Village, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 91.
- Simeone, W. and J. Kari. 2005. The Harvest and Use of Non-Salmon Fish Species in the Copper River Basin. In Collaboration with the Mentasta Tribal Council, Cheesh Na' Tribal Council, Copper River Native Association, and the Chitina Tribal Council. Final Report prepared for the U.S. Department of the Interior, Fish and Wildlife Service, Office of Subsistence Management, Fisheries Resource Monitoring Program, Project 01-110, Anchorage, Alaska.
- Spearman, G., S. Pedersen, and W. Brown. 1979. Anaktuvuk Pass Synopsis. In: Native Livelihood & Dependence: A Study of Land Use Values Through Time. U.S. Department of the Interior, National Petroleum Reserve in Alaska 105(c) Field Study 1. Prepared by North Slope Borough, Contract Staff for National Petroleum Reserve in Alaska Work Group 1: Anchorage, Alaska.
- Stratton, L. and S. Georgette. 1984. Use of Fish and Game by Communities in the Copper River Basin, Alaska: A Report on a 1983 Household Survey. ADF&G, Division of Subsistence, Technical Paper No. 107.
- Stratton, L. and S. Georgette. 1985. Copper Basin Resource Use Map Index and Methodology. ADF&G, Division of Subsistence, Technical Paper No. 124.
- Sumida, V. 1988. Land and Resource Use Patterns in Stevens Village, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 129.
- Sumida, V. 1989. Patterns of Fish and Wildlife Harvest and Use in Beaver, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 140.
- Sumida, V. and C. Alexander. 1985. Moose Hunting by Residents of Beaver, Birch Creek, Fort Yukon, and Stevens Village in the Western GMU 25(D) permit moose hunt area, 1984-85. ADF&G, Division of Subsistence, Technical Paper No. 121.
- Sumida, V. and D. Andersen. 1990. Patterns of Fish and Wildlife use for Subsistence in Fort Yukon, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 179.
- Wolfe, R., J. Marcotte, D. Andersen, R. Walker, S. Georgette, and S. Peterson. Unpublished. Fish and Game Harvest and Use in Nenana Valley, Alaska. ADF&G, Division of Subsistence, Technical Paper No. 169.