

Kenneth B. Winnick

15307 15th Avenue NE #6 Shoreline, WA 98155

206-440-5876 home | 425.241.2409 work | Ken@chinookwind.net

PROFILE

Mr. Winnick is an innovative technical consultant with 20 years of experience focused on the development and use of analytical frameworks and information systems to analyze a wide variety of economic, environmental, energy and social issues. He has developed and managed GIS (Geographic Information System) and Data Analysis Groups at major Fortune-1000 firms and transit agencies, including CH2M HILL, URS Corporation, Tetra Tech FW, and Sound Transit, and has performed business analysis and strategic planning for numerous clients. He was a Board Member on the University of Washington GIS Certificate Program from 2002-2007. Mr. Winnick has 15 years of extensive hands-on and management experience in GIS and remote sensing. He developed and managed three GIS Labs during 15 years for Tetra Tech, URS and Sound Transit. He is experienced in GIS strategic planning and developing business case for information system investments

EDUCATION

University of Washington Foster School of Business *Seattle, WA | 2006*
Master of Business Administration

University of Oregon Foster School of Business *Eugene, OR | 1981*
Master of Science, Marine Ecology

Union College *Schenectady, NY | 1976*
Bachelors of Science, Marine Ecology

EXPERIENCE

Winnick & Associates, LLC *Shoreline, WA | current*
GIS and Business Consultant

Provide GIS and economic evaluation services for various clients in academia, non-profits, and business. Recent and current clients include GeoEducation & Research, Earth Economics, Earth Systems, and the University of Washington. Mr. Winnick also designs and builds information systems for renewable energy and renewable resource companies.

CH2M HILL

Bellevue, WS

Information Solutions Director, NW Region

Manager for the GIS and Information Solutions lines of business within the Environmental Group. PM and lead tech on selected projects.

- Web-based GIS-Transportation Improvement Project demonstration project for Puget Sound Regional Council (PSRC), Seattle, WA.
- GIS strategic planning for King County and for the Bunker Hill Superfund Site (EPA).
- Environmental and hydrological database development to support FERC environmental studies on multiple projects.

URS Corporation (previously Dames & Moore)

Seattle, WA

GIS Manager

Developed and managed the GIS Group for the Northwest region. Leveraged growth from a few existing Forest Service contracts to a million dollar per year operation. Responsible for all management aspects of an eight-person work group.

- Developed the GIS and Database groups for SoundTransit Link Light Rail, under contract with the PSTC (Puget Sound Transit Consultants) Joint Venture. This

enterprise information system integrated EIS development, engineering, and real estate acquisition, and employed six staff members. Approximate project size, \$800,000.

- Procured and managed a \$750,000 GIS based habitat prediction model for Weyerhaeuser Corporation, in support of their Habitat Management Programs (HMP/HCP).
- Managed a \$300,000 GIS development and analysis project related to permitting of the "Cross Cascades Pipeline Project" for Texaco Transportation and the Olympic Pipeline Company (OLPC). The system provided for analysis and mapping of water and environmental issues.

Tetra Tech FW (previously EBASCO)

Bellevue, WA

GIS Manager

Developed and managed the first consultant based GIS Group in the Northwest. Grew the group from a very small support operation to a group generating close to \$1 million of revenue per year. Responsible for all management aspects of a six-person work group. PM on multiple projects.

- Developed the GIS for the multidimensional May Creek Basin Plan for King County. Integrated a variety of HEC & HSPF models.
- Developed and managed the GIS mapping and analysis for \$6 million in Timber Sale multidimensional EIS (Environmental Impact Statement) projects in Alaska. A spectrum of environmental issues were considered in light of proposed timber harvest planning.
- Managed development of a \$250,000 GIS software system for ACOE (Army Corps of Engineers) Missouri River Master Operating Manual Review and Update

SELECTED PROJECTS

May Creek Basin Plan

King County, Washington

Managed the GIS elements for this large, interdisciplinary basin study. Used GIS to integrate hydrologic simulation (HSPF) and hydraulic (HEC-II) models to simulate existing and future runoff, river flows, and flooding in the basin.

Polk Inlet EIS; Control Lake; Ushk Bay; and Eight Fathom EIS's

USDA Forest Service, Ketchikan and Sitka, Alaska (4 separate projects)

GIS manager for these four large timber sale EIS projects. Worked closely with personnel in the areas of timber inventory, transportation planning, watersheds, geomorphology, soils, fisheries, wildlife, endangered species, non-forest vegetation, recreation, economics, visual impacts, and subsistence issues. Developed numerous automated procedures to support initial analyses, field work, road card generation, stand management planning, and development of management alternatives.

Initial Watershed Assessment, Washington Department of Ecology

Managed the GIS for this project. GIS maps and procedures were developed to assess the status and trends in water use, stream flow, water quality, and aquatic habitat in four resource inventory areas in Washington state.

Missouri River Master Water Control Manual Review and Update, U.S. Army Corps of Engineers, Omaha Division

Managed the development of a very large GIS vegetation and wildlife database along the Missouri River, from Montana to the Mississippi River. The GIS was integrated with a variety of river response models to evaluate hydro operations.

Ecological Economics Evaluation

Seattle, WA

Earth Economics and King Conservation District

Performed GIS and modeling support for ecological economics evaluation of the King County Conservation District in Washington. The KCD covers a majority of King County.