

MUNICIPALITY OF ANCHORAGE

ASSEMBLY MEMORANDUM

No. AM 815-2008

CLERK'S OFFICE

Meeting Date: December 2, 2008

APPROVED

Date:.....12-2-08.....

1 **From: Mayor**

2
3 **Subject: WATERSHED AND NATURAL RESOURCES**
4 **ADVISORY COMMISSION APPOINTMENTS**
5 **(Daniel Billman, Dan Bosch, Tamas Deak, Heather Dean,**
6 **Brett Jokela, Holly Kent, David Nyman, William Rice, and**
7 **Rick Sinnott)**
8

9 Pursuant to AO 2008-89, I have appointed the following individuals to the
10 Watershed and Natural Resources Advisory Commission:
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12 Daniel Billman Term expires: 10/14/2011
13 Prospect Drive
14 Anchorage, AK 99503
15

16 Dan Bosch Term expires: 10/14/2011
17 Ladasa Place
18 Anchorage, Alaska 99507
19

20 Tamas Deak Term Expires: 10/14/2010
21 W. 16th Avenue
22 Anchorage, AK 99501
23

24 Heather Dean Term expires: 10/14/2009
25 Vigor Circle
26 Anchorage, Alaska 99504
27

28 Brett Jokela Term expires: 10/14/2009
29 Tideview Dr
30 Anchorage, Alaska 99516
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32 Holly Kent Term expires: 10/14/2010
33 Wisteria St
34 Anchorage, Alaska 99502

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David Nyman
Knik Ave
Anchorage, Alaska 99517

Term expires: 10/14/2010

William Rice
E. 27th Avenue
Anchorage, Alaska 99508

Term expires: 10/14/2009

Rick Sinnott
PO Box
Chugiak, AK 99567

Term Expires: 10/14/2011

Resumes attached for your information. Confirmation is requested.

Respectfully submitted,

Mark Begich
Mayor

Attachments

DANIEL BILLMAN, P.E.

EDUCATION M.S., Civil Engineering, University of Alaska, Anchorage, 1990
Post-Graduate Studies in Fisheries, University of Washington
B.A., Ecology, Dartmouth College, 1979

REGISTRATION Professional Engineer, Alaska (CE-7729)

AFFILIATIONS Arctic Orienteering Club, Treasurer, past President
Northern District Set Netters Association, Vice President
Cook Inlet Aquaculture Association, past Board member
Alaska Department of Natural Resources Division of Forestry, Region II Riparian
Logging Standards Science Committee

EXPERIENCE Dan has a diverse background in civil engineering for stream and drainage improvements throughout Anchorage. A lifetime Alaska resident, he has pioneered the use of innovative bank stabilization measures that have improved aquatic habitat, met regulatory requirements, and enhanced the aesthetic environment. Experienced with handling multi-disciplined teams on MOA projects, he routinely oversees permitting, agency coordination, and public process in addition to managing design. His relevant projects include:

Project Manager, Little Campbell Creek South Fork Restoration Projects, MOA-PM&E. Conducted anadromous fish habitat surveys of project reaches. Projects included habitat improvement design, culvert sizing, HEC-2 modeling, permitting (Section 404, flood hazard, and park use permits), and final design.

Design Engineer, Little Campbell Creek Irrigation Diversion and Transmission Pipeline Project, MOA-PM&E. Responsibilities included designing the irrigation diversion and transmission pipeline. This project included designs for an intake structure and weirs, fish screens, remote flow measurement and controls, and 2,200 linear feet of gravity transmission line

Design Engineer, South Fork Chester Creek Reconstruction, MOA-PM&E. Designed bank stabilization and reconstruction using native materials. Secured Alaska Department of Fish and Game (ADF&G) fish-habitat permit in 5 days.

Project Engineer, North Fork of Little Campbell Creek Improvements Project, MOA-DPW. Designed culverts for a road crossing of the creek, conducted HEC-2 modeling of the culvert and creek for submittal of FEMA permits, provided agency coordination for required Section 404 and fish habitat permits, and designed heat tracing for an existing culvert. Culvert design included features to aid fish migration

Project Engineer, North Fork of Little Campbell Creek Stream Restoration Project, MOA-DPW. Tasks included developing schematic designs and cost estimates of small-scale restoration projects; attending public meetings with property owners and permitting agencies; developing a pre-restoration video of the project area; and assessing aquatic habitat in the project area.

Hydrology, Storm **Project Manager, Fish Creek Phase IV, Municipality of Anchorage (MOA)-**

Dan Bosch
Ladasa Place
Anchorage, AK 99057

B.S. Fisheries Sciences Oregon State University 1987 with High Scholarship
M.S. Fisheries Sciences University of Alaska Fairbanks 1995

Alaska Dept of Fish and Game, Division of Sport Fish since 1988
Little Susitna Floating Weir Project 1988
Russian River Sockeye salmon Creel Survey 1988
Coho salmon and Rainbow trout aging 1988 – 1989
Exxon Valdez Oil Spill Projects: Dolly Varden Char, Cutthroat Trout, Rockfish
Gulkana River Grayling Population Dynamics 1991 – 1992 (Masters Project)
Crew Leader Kenai River Chinook salmon Sonar
Project Leader Kenai River Chinook salmon Sonar
Assistant Area Management Biologist Anchorage and North Gulf Coast 2000 – 2007
Area Management Biologist Anchorage/Prince William Sound/North Gulf Coast 2007 –
Current

Anchorage Jr. Nordic League Hillside Site Director for 12 years
Anchorage Jr. Nordic League Head Polar Cub Coach Hillside 12 years

Tamás Deák, ASLA, LEED®AP

Tamás provides a wide range of planning, design and technical experience for our projects. He is particularly interested in bringing innovative and sustainable solutions to the development of each project site. As the Landscape Architect in charge at kpbarchitects, he is instrumental in site development from initial project scoping through infrastructure planning, site design and construction administration. His multidisciplinary approach enables him to work with designers, engineers and clients to provide thoughtful solutions that meet the needs of all parties. In addition to basic needs such as utility planning, vehicle and pedestrian access, design in right-of-ways and easements, revegetation and planting plans, Tamás provides solutions that enhance both the function and beauty of each project. He has worked on a number of projects where site safety and access for special needs has been a concern. By responding to both the clients' needs and the available site attributes, Tamás is an effective problem solver. He is familiar with land use planning processes as he is a frequent participant of project submittals for the Urban Design Commission, the Planning and Zoning Commission, the Platting Authority and the Zoning Board of Examiners and Appeals on various projects in Anchorage.

Role

Principal in Charge, Project Manager

Education:

Masters of Landscape Architecture/
University of Georgia, Athens/1994;
Equiv. of Masters of Architecture/
Technical University of Budapest,
Hungary/1990

Experience:

14.5 years, 6 with current firm

Registration:

Landscape Architect/ Alaska/ #10205

Certification:

LEED® Accredited Professional/ 2006
CLARB Certification/ #1187;

Recent Project Experience:

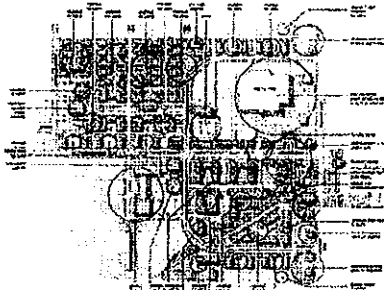
Hillside District Plan – Anchorage, Alaska

Planner/Landscape Architect: The Hillside District is a quadrant of the city that includes both developed and undeveloped land and borders popular recreational land. The area includes two-thirds of the Anchorage bowl's vacant land suitable for residential development making the area a target of increasing development pressure. Additionally, the district faces distinct environmental challenges, potential wildfire hazards and areas of limited infrastructure. Compounding the development issues are the need for public access to Chugach State Park and the desire for compliance to Anchorage 2020: Anchorage Bowl Comprehensive Plan. In response to the development pressure, the Municipality of Anchorage has procured the services of a professional team to manage and coordinate data collection, develop a public participation plan and prepare a development plan for this area. The team will work with multiple Municipal agencies, area residents and the public-at-large to develop a comprehensive plan. The end goal is to provide a district plan to implement and address land use and residential density, roads and utilities, transportation, trails and connectivity, natural hazard mitigation, emergency service access, public access to Chugach State Park and establish service boundaries. kpb architects is one member of the team working towards this goal. kpb architects' role is to provide insight into connectivity between people, vehicles and buildings as well as expertise with platting, Anchorage 2020 Plan and implications of the Anchorage Title 21 rewrite.

Chester Creek Restoration - Anchorage, Alaska

Creekside Town Center is an Anchorage town center project where a private-public partnership set out to implement the community vision captured in the Anchorage 2020 Comprehensive Plan. kpb architects, Venture Development Group and Cook Inlet Housing Authority has been working on this effort since 1999. Among the multitude of urban planning objectives, Tamás led the way to recognize the importance of the Chester Creek corridor as the primary open space for any new development. Within the larger context, the restoration of Chester Creek was not possible without the close collaboration of a wide variety of stakeholders. The success of the project required full commitment and considerable risk-taking on the part of major partners. The core project team worked as a tight and efficient group and relied on the leadership of a dedicated project champion who navigated the project through the various processes and held the team together one step at a time. After a long period of coalition building and research, three major entities came together to embark on the restoration project: US Fish and Wildlife Service, National Resources Conservation Service, and the development team of Venture Development Group and kpb architects. Throughout the multi-year process, from idea to completion, many other private, public and non-profit entities helped to carry the project forward. Their efforts made this project a true community project. kpb architects provided assistance in all the major efforts which included: planning, partnering, funding, creek channel design, restoration design and construction. kpb architects offered solutions to partnering among stakeholders, provided support for funding efforts, completed the restoration design and brought in expertise to assist in creek bed design.





Creekside Town Center Plan



Creekside - Chester Creek Restoration



Afognak Native Corporation Alutiiq Center

Recent Project Experience:

Anchorage International Airport Landside Development and Terminal Expansion - Anchorage, Alaska

Landscape Architect/Project Manager: Project included the full infrastructure redevelopment of Alaska's main airport to support a new airport terminal, a new railroad terminal and a new car rental terminal. His work included the development and design of the stormwater and snow management system protecting Lake Hood's water quality. Design focuses on sediment control by applying low-impact-development tools now promoted by the EPA. General concept of the landscaping plan was based on the USFS Alaska Vegetation Classification. Completed while working at another firm.

Anchorage Park Foundation Chester Creek Green House - Anchorage, Alaska

The Municipal Parks and Recreation Department, the Heritage Land Bank and the Office of Economic and Community Development has initiated a process with the goal of establishing a best use planning vision for the property commonly referred to as the "greenhouse property" in Muldoon. The Municipality took control of the parcel over a year ago to ensure that its ultimate development fits various community goals. In coordination with the Great Land Trust the easternmost 11.5 acres was conveyed to municipal park land and future park uses. The Municipality is currently in the process of determining the best and highest value community use for the remaining acres. The greenhouse property includes an approximately 3,000 feet long section of the South Fork of Chester Creek. Any future use of the parcel will be linked to and dependent upon the well documented need for the restoration of Chester Creek at the western half of the property and its crossing under Muldoon Road. In coordination with the U.S. Fish and Wildlife Service, the Anchorage Park Foundation contracted kpb architects to investigate background information, conduct preliminary hydraulic modeling for the creek, study the planning context and prepare a planning report. The purpose of the report is to present a recommendation for the highest and best use of the parcel based on the accumulated information.

Afognak Native Corporation Alutiiq Center - Anchorage, Alaska

Landscape Architect/Intern Architect: This design-build facility (73,000 SF office building, 168-space garage) houses the Anchorage offices of the Afognak Native Corporation. The building site is located off a busy thoroughfare requiring careful consideration of parking and traffic interfacing with pedestrians, mitigation of noise and visual pollution of ceaseless traffic on Arctic Boulevard. The project includes site design elements and landscape topology that invokes imagery of the natural environment of Kodiak Island and the landscapes that are familiar to the Alutiiq people of Afognak Island.

Creekside Parkway - Anchorage, Alaska

kpbarchitects in collaboration with engineering teams planned, designed and prepared the construction documentation for this new parkway that serves an emerging town center on the east side of town. The Parkway will be a signature component of Creekside Town Center when fully built. The work includes full design of vehicular and pedestrian amenities, utilities and landscaping that is setting a very high design standard in Anchorage. Currently under construction.



References:

Jeff Dillon, Parks Director,
Municipality of Anchorage,

Tom Nelson, Planning Director,
Municipality of Anchorage,

Bill Rice, P.E., US Fish and Wildlife
Services,

Relevant Professional Affiliations:

Member and Chair, Municipal Platting Board, 1998-2005 – Anchorage, Alaska

Tamás served seven years on this municipal land use board. The Board deals with the implementation of planning policies captured in the comprehensive plan through the subdivision and platting process. This experience required in-depth knowledge of Title 21 Land Use regulations, analysis and interpretation of current code, variances and resolution of conflicts between the new Anchorage 2020 Comprehensive Plan and the not yet updated land use regulation. The platting process is where the land use policies get implemented through the various small and large developments that shape the community. During this period the platting board heard numerous cases that involved infrastructure development conflicts, greenbelt and natural resource preservation issues, Chugach State Park Access issues, aquifer and water access issues as they were related to the large lot developments and on-site and public sewer design issues.

Chair, Municipal Land Use Board's Title 21 Re-write Review Committee, 2003-2005 – Anchorage, Alaska

This committee was formed to combine the resources of the land use boards, the Anchorage Assembly and municipal planning staff for the review of the draft modules of the land use ordinance update. The committee held weekly meetings to review the work of the planning staff and their planning consultant. Members of the committee offered recommendations based on drafts of the new ordinance. This experience is invaluable in the planning of any project by helping identify possible pitfalls and advantages of project design solutions. This experience also enables Tamás to anticipate public expectations to ensure proper code interpretation.

Mid-Town Park Citizens Advisory Group and Anchorage Parks and Recreation Mid-Town Park Sub-Committee

Tamás offers insight and comment as both a Professional Landscape Architect and as public citizen to both of these groups. Comments and involvement helps steer the long-term plans for Anchorage's parks in Anchorage's mid-town area.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
ALASKA OPERATIONS OFFICE
Room 537, Federal Building
222 W. 7th Avenue, #19
Anchorage, Alaska 99513-7588

18 November 2008

Mr Michael Johnson, Mayors Office
Municipality of Anchorage
Box 196650
Anchorage, AK 99519-6650

RE: Watershed and Natural Resources Advisory Commission

Dear Mr. Johnson:

I am writing to express my interest in serving on the Watershed and Natural Resources Advisory Commission. I would bring almost 19 years of experience working with Anchorage's streams, lakes and wetlands as an employee of EPA. In that capacity, one of my primary roles has been to advise the Corps of Engineers on permitting of proposed development projects, particularly with regard to the impacts on Anchorage's aquatic resources and opportunities to avoid, minimize and offset such impacts.

I am the lead author of an interagency method for determining debits and credits associated with development and mitigation projects in Anchorage and am also a member of the Great Land Trust's Wetland Advisory Group, which identifies and assesses potential preservation, restoration and enhancement projects to implement with funds paid in-lieu of mitigation. I have also served on the Municipality's Watershed Task Force and assisted the Municipality in identifying priority aquatic resource improvement projects for both the Little Campbell Creek Watershed Plan and the Capital Improvement Projects list, as well as in updating the Anchorage Wetlands Management Plan and securing the Corps of Engineers' reissuance of the Anchorage General Permits, which the Municipality administers. In addition, I have played a lead role in identifying appropriate mitigation to offset the aquatic impacts of the Anchorage Airport expansion, the Bragaw, Dowling Road and 48th Avenue extensions, and the Port of Anchorage expansion.

I look forward to the possibility of serving on this important commission and appreciate your consideration of me for such a role. Please let me know if you have any questions. My telephone number is [redacted] and my e-mail address is [redacted].

Sincerely,

A handwritten signature in cursive script that reads "Heather Dean".

Heather Dean
Environmental Scientist

RESUME

J. Brett Jokela, P.E.
Tideview Drive
Anchorage, AK 99516

SUMMARY

Have worked in the field of water resources engineering and management for over 30 years, based in Anchorage since 1978. In the course of undertaking my professional work, I have walked the length of each of the streams in the Anchorage Bowl; developed a system for prioritizing watershed management activities; implemented surveys of the public regarding perceptions and knowledge of watersheds; developed mapping, modeling, and monitoring schemes for drainageways and discharges; authored design criteria for stormwater systems; devised innovative means of treating stormwater and snow disposal site runoff for mitigation of effects on local streams, managed design of large scale constructed wetlands and stormwater sedimentation systems, and pioneered a geomorphologic approach to reconstruction of impaired stream channels in Anchorage.

I have served as a volunteer and member of the Board of Directors of Anchorage Waterways Council and on the State of Alaska's NPDES Primacy Working Group. I have served as President of the Alaska Section of the American Water Resources Association and am also currently active in the International Water Association and National Association of Clean Water Agencies, among other professional organizations.

EDUCATION

University of Western Australia, Master of Engineering Science, Environmental Dynamics, 1986.

University of Michigan, A.B. Geography, 1977; B.S.E., Environmental Sciences Engineering, 1977.

EXPERIENCE

Anchorage Water and Wastewater Utility

Assistant General Manager (September, 2006 – present)

Acts as lead staff for utility Board of Directors, lead operations of the Utility with respect to strategic planning, environmental and public affairs, and implementation of internal policy and procedures. AWWU maintains a staff of 280 people to provide service to 110,000 customer accounts, yielding revenue on the order of \$86 million annually.

MWH Americas, Inc., Anchorage, Alaska

Alaska Regional Manager (February, 2004 –September 2006)

Responsible for Alaska operations of the major international consulting company, providing environmental management, design and construction, and technology services to industry, municipalities, and the federal government. Led staff of 25 engineers, scientists, and technologists working with revenues approaching \$20 million annually.

Project Manager and Civil Engineer (July, 1985 – February, 2004)

As a registered Professional Engineer, responsible for development and execution of projects for industrial, municipal, and federal clients throughout Alaska. Projects included planning and engineering for water resources and watershed management, solid waste operations and management, water treatment and distribution, wastewater collection and treatment, hydrology and water quality studies, contaminant migration and mitigation, environmental analysis, permitting, and impact assessment.

University of Western Australia, Perth, Western Australia

Research Assistant (March, 1984 – December 1984)

Responsible for modeling of thermal stratification in Wellington and Harris reservoir systems. Developed code for quasi-two-dimensional modeling scheme to track neutrally buoyant inflow into reservoirs.

R&M Consultants, Anchorage, Alaska

Civil Engineer (September 1980 – September, 1983)

Responsible for a variety of projects including water quality, hydrology and limnology in support of a major hydroelectric project evaluation. Designed fish hatcheries, groundwater development, water distribution, and managed a subdivision development. Left to pursue graduate study.

Ted Forsi and Associates, Anchorage, Alaska

Staff Civil Engineer (October, 1978 – September, 1980)

Participated in planning and permitting, treatment plant design, water and sewer extensions, grading design, construction inspection and administration, and cadastral and construction surveying.

PROFESSIONAL CERTIFICATION

Professional Engineer in the State of Alaska, CE 6046.

Holly Kent
Wisteria Street
Anchorage, AK 99502

Education

- Environmental Quality Science program, University of Alaska, Anchorage, 1996-1999.
- Bachelor of Science, Biology, University of New Hampshire, 1982-1984.
- Major in Pre-Veterinary Science, California Polytechnic Institute, San Luis Obispo, 1979-1981.

Work History

- 1999 - Present Executive Director, Anchorage Waterways Council.
Responsible for budgeting, financial analysis and reporting, check writing authority, supervision of all employees, fulfilling the policies set by the Board of Directors, following the mission of the organization, guiding the organization in the direction dictated by the Board of Directors, Contracting temporary labor, program administration, grant administration, membership and donor maintenance, organizational development, fundraising, and office management.
- 1992 – 1999 Project Manager, ENSR Consulting and Engineering.
Responsible for maintaining and creating project budgets, sub-contracting, proposal development, cost estimating, supervision of field personnel, task development and implementation, and reporting.
- 1997 – 1999 Store Manager, Stems Inc.
Responsible for hiring, supervision, and discipline of all employees; ordering of product, daily financial accounting, and reporting.
- 1985 – 1997 Customer Service Lead, Recreational Equipment Inc.
Responsible for special orders, returns, commercial sales, supervision of staff, systems development and management, and daily accounting.

References

Molly Welker – Project Manager, Bristol Environmental

Jeanne Hanson – Supervisory Biologist, Habitat Conservation Division, NMFS

David Wigglesworth – Community Creeks Development Manager, MOA

RESTORATION SCIENCE AND ENGINEERING

DAVID NYMAN, P.E.

PROFESSIONAL HISTORY

Restoration Science and Engineering, June 1994 to present day: Owner and Senior Engineer
ENSR Consulting and Engineering, July 1989 to February 1994: Engineering Manager
Alaska Railroad Corporation, July 1985 to October 1988: Environmental Engineer
International Engineering Corp., March 1981 to August 1984: Associate Engineer

EDUCATION

B.S. Civil Engineering, Montana State University, 1980
M.S. Civil Engineering, University of Alaska Anchorage, 1994

PROFESSIONAL REGISTRATION AND AFFILIATIONS

Registered Professional Engineer No. CE7794
American Society of Civil Engineers,
National Groundwater Association.

TECHNICAL SPECIALITIES

Mr. Nyman has over 20 years experience in:

- Environmental/Hydrologic Studies
- Environmental Restoration
- Water and Wastewater Treatment
- General Civil Design and Planning

REPRESENTATIVE PROJECT EXPERIENCE

Chester Creek Fecal Coliform TMDL Assessment Mr. Nyman has worked with the University of Alaska Engineering Department on this ADEC and EPA funded project that seeks to collect water quality data and use a variety of sub-studies to identify sources of coliform bacteria. Mr. Nyman used GIS to construct maps that identified septic or wastewater treatment and conveyance systems within a 500 buffer around the creek and develop conceptual models for situations where coliform bacteria can access the surface water. These conceptual models were used to conduct field investigations of a number of index locations selected based upon the presence of conditions potentially favorable to transmission of coliform sources to the creek.

Rabbit Creek Tributary Restoration Mr. Nyman prepared plans and specifications for restoration of a tributary to Rabbit Creek on the Anchorage Hillside. The tributary originated from a spring at the base of a road fill embankment and transected an area of wooded and bog wetlands. Mr. Nyman obtained cost quotes from qualified landscaping contractors and staff oversaw and documented restoration activities in the Fall of 2005.

Tanana Basin Ground Water Surface Water Interactions Study

Mr. Nyman served as a field engineer collecting baseline hydrologic data and assisting in the installation of a data collection groundwater/surface water monitoring station. Field work included stream cross section survey and velocity measurements along with installation of solar-powered data logger and radio modem to transfer data from this remote site to an area facility with internet access. The data is uploaded from this server to web site managed by EE Internet.

REPRESENTATIVE PROJECT EXPERIENCE

Kenai River Constructed Wetlands for Storm Water Treatment The Alaska Department of Transportation hired RSE along with team members University of Alaska and Applied Wetlands Technologies to evaluate the effectiveness of existing sedimentation basin/constructed wetlands to treat storm water runoff from highway systems along the Kenai River. against basis of design and/or regulated discharge criteria defined by State of Alaska and EPA water quality criteria. This work specifically addressed the issues of heavy metal reduction and total suspended solids removal from the water prior to discharge as part of a comprehensive scientific and engineering assessment to define the optimal method(s) for controlling storm water derived discharges.

Petersburg Creek Environmental Restoration Mr. Nyman conducted emergency field activities to contain a large diesel release to shallow groundwater connected to a urban stream in Petersburg Alaska. RSE conducted rapid field assessment, corrective actions, and site restoration such that the pollutant source was eliminated and stream restoration was complete in less than two weeks.

Honeybee and Lynne Lakes Hydrologic Review

Mr. Nyman performed a hydrologic review to assess potential impacts from construction of a dam between two lakes in the Willow area. Project included review of area geohydrologic data, preliminary delineation of watershed boundaries, and estimation of area groundwater and surface water flow directions. Project resulted in the restoration of historic flow conditions between to the two lakes.

Unocal Drilling Pad Upland Restoration Mr. Nyman worked with Botanist Pat Athey to prepare plans and specifications for establishing pilot restoration projects at abandoned drilling pads located in the Kenai National Wildlife Refuge. Project included preparation of a restoration workplan, development of full plans and specifications, preparation of engineering estimates, and providing construction oversight. Mr. Athey conducted vegetation surveys of the project area before construction and monitored the effectiveness of the restoration efforts through the following growing season.

Kenai River Ground Water and Surface Water Study, Soldotna, Alaska

Engineer responsible for installation of groundwater and surface water data collection equipment and data analyses. Each station included of multiple thermistor strings, pressure transducers, and specific conductance probes to continuously monitor groundwater and surface water interactions along the Kenai River. Information is used to evaluate groundwater influence on local salmon spawning habitat.

Preferred Plumbing Section 404 Permitting RSE staff worked with a local engineering firm to procure required agency permits to facilitate placement of fill in a bog wetland in the Anchorage Bowl. This work was the first private development to proceed under the newly issued Municipality of Anchorage Wetland permit.

King Salmon - Eskimo Creek Seep Managed Wetlands Treatment System Engineer responsible for the design of a subsurface wetlands treatment system sized to provide secondary treatment of a oil-contaminated groundwater. The groundwater is discharged to an existing wetland to maintain the natural site water balance and provide low level pollutant removal prior to reaching Eskimo Creek.

ACCOMPLISHMENTS

President of Alaska Groundwater Association, 2001 to 2002
Montana State University Outstanding Alumni "Blue and Gold" Award
Carnegie Award for Heroism
Former Chair of Hazardous Materials Commission (MOA)

William Rice

East 27th Ave
Anchorage, AK 99508

Engineering Profile

Hydrologist and engineer with over 12 years of project management, design and field experience. MS in Hydrology and BS in Geology and Geotechnical Engineering. Involved with innovative water quality and restoration projects within the Municipality of Anchorage for almost 10 years.

Core Competencies

- Project Management
- Hydrologic/Hydraulic Design
- Natural Channel Design
- Watershed Analysis/Plans
- Stormwater Design
- Habitat Assessments
- Construction Oversight
- Fish Passage Design
- Regulatory Compliance

Professional Experience

U.S. Fish and Wildlife Service – Anchorage, Alaska

2004-Present

HYDROLOGIST

Manage an annual \$500,000 Partners for Fish and Wildlife partnership program that provides technical expertise and funding for habitat restoration projects around the State. Design and manage projects ranging from large-scale stream restoration and culvert replacements to watershed planning. Work with diverse partners to achieve objectives on regional and local scales. *Key Accomplishments:*

- Salmon in the City – Worked extensively with the Municipality of Anchorage to prioritize and fund restoration and conservation projects that benefit sustainable salmon populations and enhance sporting access and public recreational and educational opportunities.
- Moose Creek Channel Restoration – Designed, performed hydrologic analysis and oversaw construction of a quarter-mile of river restoration that included natural channel design, J-hook vanes, and woody debris jams. The partnership was with Chickaloon Traditional Council and cost \$500,000.
- Chester Creek Restoration at Muldoon Road – Created conceptual design for a quarter mile of creek that sought to balance development and habitat issues. Currently design has become the preferred alternative for the restoration project.
- Youth Employment in Parks Restoration Activities – Coordinated ideas, training and locations for bank revegetation activities over the last 2 years for the successful Parks program.
- Ship and Campbell Creek Bioengineering Streambank Projects – Worked with the Municipality to identify, prioritize and fund a coordinated effort to address the most pressing erosion issues on Ship and Campbell Creek.
- Matanuska-Susitna Borough Public Works Fish Passage Projects – Designed and managed grant funding for over twenty culvert replacements on Borough roads to enhance fish passage and improve flood conveyance. Projects were a minimum \$700,000 in design and construction value.
- Municipality of Anchorage Little Campbell Creek Watershed Plan – Collaboratively wrote and managed grant funding for the first Assembly-approved watershed plan in Anchorage, in coordination with the Municipality, two local nonprofits, State and Federal partners through the Anchorage Watershed Taskforce

William Rice

MWH Americas – Anchorage, Alaska

1999-2004

PROJECT ENGINEER

Managed a \$400,000 annual budget for stormwater and watershed projects for the Municipality of Anchorage. Designed, tracked, budgeted and scheduled projects, as well as prepared project reports. Managed two to three people as part of a team. Specific duties included storm water hydrologic and pollutant characterization, stream characterization, water quality monitoring design and sampling and formation of best management practices for municipal storm water systems. Additionally designed and developed cost estimates for rural landfills around the State. *Key Accomplishments:*

- Snow Disposal Studies and Standards for the Municipality of Anchorage – Analyzed and designed best management practices for snow disposal sites. Conducted fieldwork, water quality sampling and analysis, surveys and design work. An estimated \$400,000 study.
- Sedimentation Pond Design Standards – Updated 20 year old municipal design standards for sediment ponds in the Municipality of Anchorage.
- Minnesota Boulevard Sedimentation Pond Upgrade – Main designer and initial project manager for an over \$1 million dollar Municipal upgrade utilizing constructed wetland treatment technology.
- Unalakleet Watershed Plan – Created an annual water balance for the current water supply source to determine whether it will meet future supply needs and outlined ways to protect the contributing watershed area from adverse impacts.

Knight Piesold LLC – Denver, Colorado

1992-1997

STAFF ENGINEER

Designed sedimentation structures, earthen dams and storm water ponds for various projects in Nevada, Argentina, Peru and Chile. Performed on-site construction inspections in Nevada and Chile. Prepared sedimentation control documents and water quality risk assessments for mining construction activities. Compiled and reviewed water quality, soils, geologic, hydrologic and climatological data.

Professional Development

MS in Watershed Science – Colorado State University (1998)

BS in Geology and Geological Engineering – Colorado School of Mines (1992)

Training and Certifications:

- Professional Engineer State of Alaska
- Level 1,2,3 Geomorphic Training for Natural Channel Design
- Sediment Transport Workshops
- Designing Stream Simulation Through Culverts for Fish Passage
- HEC-RAS Model Training

Professional Affiliations:

- American Society of Civil Engineers (member)
- American Water Resources Association (Alaska Section Board 2000-2007/State President 2006)

Papers:

- Co-authored “Siting, Design and Operations of Snow Disposal Sites” paper, presented at the First Conference on Storm Drainage in Cold Climate, 2003, in Rikgransen, Sweden.
- Co-authored “Rethinking Landfill Development and Operation in Permafrost Regions” paper, 2002 - American Society of Civil Engineers

To: David Wigglesworth
Office of Economic Development
Municipality of Anchorage

From: Bill Rice
East 27th. Ave.
Anchorage, AK 99508

David;

Through our couple years working together, you well know my background in engineering, hydrology and other sciences. I believe my background and experience would be of use to the city as a member of the Watershed and Natural Resources Commission.

I have worked in the watersheds and streams of Anchorage for almost 10 years, managing many of Anchorage's initiatives in stormwater management, design criteria updates and larger restoration projects for salmon habitat and water quality improvements. Having walked many of the creeks in Anchorage and being involved over the years in their assessment and prioritization gives me a unique perspective on activities and projects that may benefit them. In addition, I also have experience as a Board member for the Alaska Section of the American Water Resources Association for the past nine years, including president two those years.

My references are:

John Delapp - US Fish and Wildlife Service Statewide Partnership Coordinator

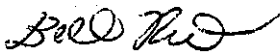
Brett Jokela, AWWU General Director

Kristi Bischofberger, MOA Watershed Management - 714-1100

Holly Kent, Anchorage Waterways Council 5

Attached is a brief resume. Please contact me with any questions!

Sincerely,



Bill Rice, PE
Hydrologist

RICK SINNOTT

RÉSUMÉ

EXPERIENCE

WILDLIFE BIOLOGIST III

1994-present

**Division of Wildlife Conservation
Alaska Dep. Fish and Game
Anchorage**

I propose, design, and implement studies to determine population status, trends, and problems of wildlife species in the Anchorage area, including Chugach State Park, an area of approximately 1,900 square miles. I monitor annual wildlife harvests and hunting/trapping activities. I conduct ground and aerial surveys to determine wildlife abundance, distribution, sex and age composition, and general population status. I conduct surveys of wildlife habitat and develop programs to ensure maintenance or enhancement of wildlife habitat. I determine harvest rates that specific wildlife populations can sustain under different environmental conditions and develop programs or projects to affect harvest rates. I develop and implement wildlife research projects, including supervising and participating in activities of university graduate students.

I write annual survey and inventory reports required by federal aid contracts. I write other departmental reports, technical publications, and popular articles. I review, edit, and approve written products of staff and other professionals. I author and co-author management or research papers for publication. I give presentations on management issues and research findings at professional society meetings.

I develop, negotiate, and implement cooperative programs, memoranda of understanding, and other agreements with and provide technical assistance to private landowners, federal and local government agencies, universities, and special interest groups for the conservation and management of wildlife and wildlife habitats. I prepare, evaluate, and implement biological analyses of often controversial and sensitive land-use projects and permit applications to ensure compliance with appropriate laws to avoid or mitigate adverse impacts on wildlife resources.

I answer public inquiries (verbal and written) about wildlife, wildlife viewing and hunting opportunities, and wildlife nuisances and hazards, and present wildlife information and education programs to schools and public interest groups. I answer media questions about wildlife and wildlife management issues that involve extensive public interest, controversy, and scrutiny. I write and issue press releases. I help film crews find wildlife, edit film narratives, and present information on wildlife and wildlife conservation.

I plan for and manage Anchorage Coastal Wildlife Refuge programs and operations--including interpretive services, habitat protection and rehabilitation, building and maintenance, hunting and other uses, enforcement of regulations--and review and comment on development plans and permit applications for the refuge.

I respond to reports of nuisance and hazardous wildlife, including capturing bears in traps, releasing moose from fenced areas and entanglements, and shooting aggressive bears and moose. I respond to reports of injured and distressed wildlife.

I contact hunters in the field and conduct routine law enforcement related to wildlife. I assist Fish and Wildlife Protection officers with investigations.

I prepare and submit annual operating budgets for multiple projects and maintain fiscal control over project budgets. I review and approve purchases of project equipment and supplies including scientific materials and supplies; outline specifications for needed equipment and services; complete and submit necessary forms and information for purchases, contract, cooperative and interagency agreements, and special leases and permits. I supervise the annual inventory.

I review studies, analyze statistics and reports, prepare written recommendations with supporting scientific documentation for new regulations, regulatory or policy changes, and area closures. I prepare information and make presentations to advisory committees, regional councils, and public groups to provide biological information, explain study objectives, management strategies, regulations, licensing and permitting requirements, wildlife habitat requirements, and wildlife population status and trends. I present project plans and summaries, regulation proposals and summaries, and give testimony to the Alaska Board of Game.

I administer falconry tests and permit applications, inspect falconers' facilities, answer questions of falconers and prospective falconers, monitor falconer activities, coordinate with other regional falconry representatives and federal permit staff.

I supervise one wildlife biologist and the program coordinator of the department's largest wildlife information center.

WILDLIFE BIOLOGIST II

1989-1993

**Division of Wildlife Conservation
Alaska Dep. Fish and Game
Anchorage**

I prepared management plans for refuges, sanctuaries, and critical habitat areas. I conducted bird and small mammal surveys, to fill gaps in knowledge of these areas. I reviewed and responded to wildlife management plans prepared by federal agencies, such as the Fish and Wildlife Service and National Park Service. I reviewed and responded to other state agency plans and legislation that directly affect wildlife and its habitat and use. I researched and wrote technical reports. I proposed and drafted statutory and regulatory changes. I designed, implemented, and analyzed questionnaires to determine public characteristics, attitudes, and behavior related to wildlife and its management. I administered the falconry program in southcentral Alaska. I enforced hunting regulations, primarily in the Anchorage area. I assisted with other projects such as moose censuses and banding waterfowl and eagles. I responded to public inquiries on watchable wildlife, hunting, and nuisance animals in the Anchorage area, and was interviewed by television and radio newscasters and newspaper, magazine, and other writers. I taught classes on hunter education, wildlife, and ecology and led field trips for schools and adults.

HABITAT BIOLOGIST II

1983-1989

**Habitat Division
Alaska Dep. Fish and Game
Anchorage**

I compiled and analyzed information, using the principles of fish and wildlife population dynamics, ecology, habitat management, and land-use planning, to formulate policies and regulations

intended to prevent or mitigate adverse impacts of development. I wrote issue papers that analyzed issues or potential conflicts and recommended solutions. I analyzed and critiqued legislative bills and regional land use management plans developed by state and federal agencies that affected fish and wildlife management. I met with federal, state, and local planners and resource managers to present the department's concerns and negotiate revisions to land use proposals and policies. I represented the department at public workshops and meetings.

FISHERIES BIOLOGIST I

1982-1983

**Sport Fish Division
Alaska Dep. Fish and Game
Anchorage**

I selected study sites and collected data on habitat characteristics, water quality, hydrology, and salmon distribution in the upper Susitna River. I set priorities and made decisions in the field as a member of a crew of two to nine biologists with multiple research objectives. I analyzed a large number of variables, using computer modeling and statistical inference, to determine suitability of various spawning habitats for salmon. I wrote and edited reports, based on my findings, that identified optimal and threshold habitat characteristics.

FISHERIES BIOLOGIST I

1982

**Sport Fish Division
Alaska Dep. Fish and Game
Juneau**

I sampled juvenile trout and salmon populations in streams on Baranof and Chichagof islands to determine differences in species composition, abundance, age structures, growth rates, and food habits between streams in clearcut and old-growth forests. As crew leader, I supervised one Fish and Game Technician III and was responsible for boat handling and logistics. Seasonal position.

GRADUATE STUDENT

1979-1981

**University of Missouri
Columbia, Missouri**

I planned and implemented a field research project that investigated the decline of eastern bluebirds in Missouri. I wrote a two-year budget proposal that was funded by the Missouri Department of Conservation. I monitored several hundred nest boxes, capturing and banding adults and nestlings, to determine nesting ecology. I determined winter food habits. I designed and analyzed a three-page questionnaire that compared the characteristics and attitudes of bluebird enthusiasts with those of birdwatchers and other wildlife enthusiasts. As a representative of the university and the department, I was frequently contacted by the public and news media (the eastern bluebird is the Missouri state bird). I recommended management actions, based on research results, that would moderate or reverse the decline. I supervised numerous volunteers.

ASSISTANT INSTRUCTOR

1978-1979

**University of Missouri
Columbia, Missouri**

I supervised laboratory work and led semiweekly field trips for ornithology, mammalogy, and ecology. Topics included principles of wildlife management and the characteristics and requirements of many North American game and nongame species.

PEST CONTROL TECHNICIAN **1978-1980** **Atkins Pest Control
Columbia, Missouri**

I responded to complaints, live-trapped, and relocated nuisance small mammals and snakes. I exterminated pest birds using traps and poisons. Part-time.

RESEARCH ANALYST II **1976-1977** **Policy Development and Planning
Office of the Governor
Juneau**

I identified coastal resource use conflicts and state policies relevant to coastal management. I analyzed and evaluated literature and reports concerning fish and wildlife in the coastal zone for an environmental impact statement. I was project leader of an interagency team that defined and identified areas of special concern. This experience provided insight on how scientific information and resource agency policies are used by the governor's office and legislature.

NATURAL RESOURCE SPECIALIST **1976** **Bureau of Land Management
U. S. Dep. of the Interior
Anchorage**

I reviewed scientific literature on wildlife distribution and abundance and human uses, and wrote sections of the environmental impact statements for proposed offshore oil and gas lease sales in lower Cook Inlet and the western Gulf of Alaska. This experience provided insight on NEPA and its implementation by federal agencies. 700-hour temporary assignment.

WILDLIFE TECHNICIAN **1975** **Alaska Coop. Wildlife Research Unit
University of Alaska-Fairbanks**

I collected data on wolf denning behavior, wolf-human interactions, wolf-prey interactions, and food habits in the northeastern Brooks Range, Alaska. Summer job.

WILDLIFE TECHNICIAN **1975** **Alaska Coop. Wildlife Research Unit
University of Alaska-Fairbanks**

I collected data on wolf denning behavior and wolf-human interactions in Denali National Park. Summer job.

WILDLIFE TECHNICIAN **1975** **Alaska Coop. Wildlife Research Unit
University of Alaska-Fairbanks**

I collected data on musk oxen herd and rutting behavior on Nunivak Island. Summer job.

EDUCATION

M.S. in WILDLIFE BIOLOGY **1981** **University of Missouri-Columbia**

Advanced training in wildlife ecology, ecology of endangered species, waterfowl population biology, ecology and management of shorebirds, dynamics of exploited populations, nonparametric statistics, regression and correlation analysis, public resource policy, and environmental law.

B.S. in WILDLIFE MANAGEMENT

1975

University of Alaska-Fairbanks

Training in principles of animal population dynamics and management, wildlife management techniques, wildlife management of forest and tundra, field ecology, advanced animal behavior, scientific sampling, and literature of ecology and resource management.

PUBLICATIONS AND PROFESSIONAL PRESENTATIONS

- Aumiller, L., C. Matt, and R. Sinnott. 1991. Birds of McNeil River State Game Sanctuary, Alaska. Checklist. Alaska Department of Fish and Game.
- Crowley, D. K., K. Laing, T. Rothe, R. Sinnott, and K. Wedemeyer. 1997. Anchorage goose management white paper. Alaska Department of Fish and Game, Anchorage. 22 pp.
- Fall, J. A., M. Chythlook, J. Schichnes, and R. Sinnott. 1991. Walrus hunting at Togiak, Bristol Bay, Southwest Alaska. Subsistence Tech. Paper No. 212. Alaska Dep. Fish and Game, Anchorage. 47 pp.
- Farley, S., H. Griese, R. Sinnott, C. Garner, D. Battle, and J. Coltrane. 2008. Brown bear (*Ursus arctos*) minimum population count, habitat use, movement corridors, and food resources across Fort Richardson Army Post, Elmendorf Air Force Base, Campbell Tract area, and the Municipality of Anchorage, Alaska. Prepared for the Elmendorf Air Force Base, Fort Richardson Army Post, and U. S. Bureau of Land Management, Alaska Regional Office. Alaska Department of Fish and Game, Division of Wildlife Conservation, Anchorage.
- McCollum, D. W., S. M. Miller, and R. Sinnott. 1995. Comparing economic values and behaviors between attitudinal groups in Alaska. Regional Research Project W-133: Benefits and Costs in Natural Resources Planning, Monterey, California. March 12-15.
- Miller, S., R. Sinnott, and D. W. McCollum. 1994. Differentiating among wildlife user groups in Alaska. Transactions of the North American Wildlife and Natural Resources Conference. 59:512-523.
- Sinnott, R. 1981. The ecology and management of the eastern bluebird in Missouri. M.S. thesis. University of Missouri, Columbia. 170 pp.
- 1989. Buffer strips: their physical, biological, and regulatory roles in maintaining fish habitat. Division of Habitat, Alaska Department of Fish and Game, Anchorage. 83 pp.
- 1990. Off-road vehicles and hunting in Alaska. Division of Wildlife Conservation, Alaska Department of Fish and Game, Anchorage. 86 pp.

- , 1992. Walrus Islands State Game Sanctuary: information for a management plan. Division of Wildlife Conservation, Alaska Department of Fish and Game, Anchorage. 86 pp.
- , 1995. Moose management in the Anchorage Management Area: a discussion paper. Division of Wildlife Conservation, Alaska Department of Fish and Game, Anchorage. 23 pp.
- , 1998. Homeowners' guide to goose solutions. Brochure. Alaska Department of Fish and Game, U.S. Fish and Wildlife Service, and U.S. Department of Agriculture Wildlife Services. 6 pp.
- , and P. Hessing. 1991. Birds of Round Island, Alaska: Walrus Islands State Game Sanctuary. Checklist. Alaska Department of Fish and Game. Anchorage.
- , A. Hoffmann, C. Estes, and K. Sylvester. 1983. Models of hydraulic conditions and chum salmon spawning habitat in selected Susitna River sloughs. Appendix D in Susitna Hydro Aquatic Studies Phase II Report: Synopsis of the 1982 Aquatic Studies and Analysis of Fish and Habitat Relationships. Division of Sport Fish, Alaska Department of Fish and Game. 54 pp.
- , and G. Seaman. 1988. Coastal zone boundaries of Alaska. Division of Habitat, Alaska Department of Fish and Game, Anchorage. 7 pp., 116 maps.
- Whittaker, D., M. J. Manfredo, P. J. Fix, R. Sinnott, S. Miller, and J. J. Vaske. 2001. Understanding beliefs and attitudes about an urban wildlife hunt near Anchorage, Alaska. *Wildlife Society Bulletin* 29:1114-1124.
- Speaker. Urban moose management: hunting, habituation, and hammocks in Alaska's largest city. The Wildlife Society Alaska Chapter Conference, Anchorage, Alaska. April 2008.
- Speaker. The threat of invasive terrestrial animals in Alaska. The Wildlife Society Alaska Chapter Conference, Anchorage, Alaska. April 2008.
- Speaker. Potter Marsh: big wild life refuge. Anchorage Waterways Council Annual Meeting. February 2008.
- Speaker. Ravens, magpies...and us. Wildlife Wednesdays 2007-2008 Lecture Series. October 2007.
- Speaker. Living with wildlife in Anchorage: practical ways for people and wildlife to safely coexist. Anchorage Parks & Natural Spaces: "Permanent Fun Dividends for All" Lecture Series. March 2007.
- Speaker. Human-moose interactions in Anchorage, Alaska. The Wildlife Society 13th Annual Conference, Urban Wildlife Workshop, Anchorage, Alaska. 2006.

Speaker. The politic moose vs. the peril of foreign entanglements. Wildlife Wednesday 2004-2005 Lecture Series. October 2004.

Speaker. Wildlife viewing hotspots! What to do when you've been to the zoo. Wildlife Wednesdays 2003-2004 Lecture Series. October 2003.

Speaker. Economic and behavioral characteristics of wildlife-related attitudinal groups in Alaska. Western Assoc. Fish and Wildlife Agencies. Western Conference, Anchorage. 1994.

Speaker. Differentiating among wildlife user groups in Alaska. 59th North American Wildlife and Natural Resources Conference, Anchorage. 1994.

Speaker. Off-road vehicles and hunting in Alaska. Symposium on Impacts of Development on Wildlife in Alaska. Alaska Chapter of The Wildlife Society meeting, Juneau. 1990.

Speaker. The ecology and management of the eastern bluebird in Missouri. 1st Midwestern Nongame Wildlife Conference, Columbia, Missouri. 1980.

HONORS

Outstanding Stewardship of Fish and Wildlife in Anchorage, Municipality of Anchorage, 2007

Outstanding Habitat Biologist, Alaska Department of Fish and Game, 1989

Outstanding Student in Wildlife and Fisheries, University of Alaska – Fairbanks, 1975

Bachelor of Science, *magna cum laude*, University of Alaska – Fairbanks, 1975

Rex Thomas Memorial Scholarship in Biology, Wildlife, and Fisheries, University of Alaska, 1974

PROFESSIONAL MEMBERSHIPS & CERTIFICATIONS

The Wildlife Society (Certified Wildlife Biologist)

State of Alaska Peace Officer, Fish and Game

MILITARY SERVICE

U. S. Marine Corps. Sergeant. 1968-1971.

Office manager. Supervised up to three other noncommissioned officers.

Content ID: 007157**Type:** MayorAppointments -

WATERSHED AND NATURAL RESOURCES ADVISORY COMMISSION

Title: APPOINTMENTS (Daniel Billman, Dan Bosch, Tamas Deak, Heather Dean, Brett Jokela, Holly Kent, David Nyman, William Rice, and Rick Sinnott)**Author:** buddnr**Initiating Dept:** Mayor**Date Prepared:** 11/20/08 3:24 PM**Assembly Meeting Date:** 12/2/08

Workflow Name	Action Date	Action	User	Security Group	Content ID
Clerk_Admin_SubWorkflow	11/20/08 4:05 PM	Exit	Heather Handyside	Public	007157
MuniMgrCoord_SubWorkflow	11/20/08 4:05 PM	Approve	Heather Handyside	Public	007157
Mayor_SubWorkflow	11/20/08 4:01 PM	Approve	Michael Fox Johnson	Public	007157
BoardCommissionApptWorkflow	11/20/08 3:34 PM	Checkin	Nellen Budd	Public	007157