



Rivers that Run under the Midnight Sun

2011 River Management Workshop
30th Annual
International Submerged *Lands*
Management Conference
A Joint Conference



May 9-13, 2011 Girdwood, Alaska

~ Welcome ~
to the
2011 River Management Workshop
30th Annual
International Submerged Lands Management Conference

Rivers That Run under the Midnight Sun

We are extremely pleased to be greeting you as conference partners. It is indeed our pleasure to have you here in beautiful Girdwood, Alaska, and we hope you have a great week meeting old friends, making new ones, and at the same time learning more about the issues surrounding the management of our rivers, lakes, shore lands, and tidelands, and the many additional aspects of submerged lands management.

We would like to thank our primary conference sponsors: the State of Alaska's Departments of Natural Resources, Fish and Game and Law, and the U. S. Department of the Interior, Bureau of Ocean Energy, Management, Regulation and Enforcement. In addition, support from the Bureau of Land Management, National Park Service, USDA Forest Service and US Fish and Wildlife Service have made it possible for us to offer a terrific program at an outstanding host location.

If you have any additional needs, please feel free to contact either one of us, or other members of our program staff.



Helen Clough and David W. Schade, MPA
Co-Chairs

Workshop / Conference Logistics

Shuttles	Monday	11:00 a.m. - 7:00 p.m. Anchorage Airport to Alyeska Resort
	Friday	12:00 p.m. - 5:00 p.m. Alyeska Resort to Anchorage Airport
	Saturday	9:00 a.m. - 12:00 p.m. Alyeska Resort to Anchorage Airport*

Need a ride at another time? Post your request and contact info at the Message Center.

*Saturday's shuttle schedule may be limited to one departure.

Registration Desk

Monday	12:00 p.m. - 6:00 p.m.
Tuesday	7:00 a.m. - 12:00 p.m.
Wednesday	7:00 a.m. - 12:00 p.m.
Friday	9:00 a.m. - 12:00 p.m.

Columbia Foyer

Exhibitors

Set-up	Monday	3:00 p.m. - 9:00 p.m.
Displays Open	Tuesday	7:30 a.m. - 6:00 p.m.
	Wednesday	7:30 a.m. - 6:00 p.m.
Tear Down	Wednesday	6:00 p.m.

Message Center

Columbia Foyer

Check the Message Center for updated information on field sessions, Friday river trips or hikes, ad hoc gatherings, and items that have been turned in which seem like they belong to workshop attendees. Contact information for workshop/conference staff will be posted when the Registration Desk is closed.

RMS Merchandise Store

Hubbard Room

Need a gift for someone at home, or an 'atta boy/girl item for yourself? These handsome, functional RMS logo products fit the bill, and will be on sale this week during posted hours. Stop in during a break, and feel free to suggest new items that would be of interest to river managers and other outdoor professionals. You can always visit the RMS store at www.river-management.org.

Name Badges – Please wear your name badge during the workshop/conference. It provides as an introduction to new colleagues and a reminder for those you've met before. It also serves as your ticket to the one day or full array of presentations, discussions and social events for which you've registered.

Proceedings - Presentations will be available at the International Submerged Lands Management Conference website, www.submergedlandsconference.com.

Symposium Evaluation - Soon after you've returned home from Girdwood, the workshop/conference organizations will invite you to fill out an online survey regarding your experience this week. Please take a few minutes to respond, for your feedback help us plan future conferences that meet your needs and expectations as management professionals and stewards of our waterways

Sponsors

The River Management Society and International Submerged Lands Management Conference would like to thank the sponsors of *Rivers that Run under the Midnight Sun* for their belief in our missions, their financial support, and their logistical assistance.



Schedule of Activities

Monday, May 9th

1:00 p.m. - 5:00 p.m.

IWSRCC Workshop Session

Columbia B/C

Identifying Wild and Scenic River 'Outstandingly Remarkable Values' (ORVs)

Interagency Wild and Scenic Rivers Coordinating Council (IWSRCC)

The IWSRCC will conduct a workshop using case studies with ample opportunity for interaction.

Participants will increase their knowledge in:

- How to determine eligibility (free-flowing and possessing one or more outstandingly remarkable value).
- How to choose appropriate regions of comparison for ORV determinations.
- The process by which ORVs are identified.
- Forms of protection provided through agency policy for agency-identified study rivers.

After completing this course, participants will be able to:

- Understand the purpose of the National Wild and Scenic River System.
- Understand which values WSRs are designated to protect.
- Apply value identification criteria during river inventories and on designated WSRs.
- Understand the protection standards for WSR values in land use and river management plans.

5:00 p.m.

Welcome Reception (cash bar)

Columbia Patio

Meet new professional contacts and reacquaint with colleagues who have traveled from various parts of the state, and across the Lower 48! Music will be provided by Midnight Sun Zombies.

Tuesday, May 10th

7:00 a.m. - 8:00 a.m. Continental Breakfast Columbia Foyer

8:00 a.m. *Welcome, Opening Remarks* Columbia B/C
Geoff Haskett - Regional Director, US Fish and Wildlife Service (Invited)
Ed Fogels - Deputy Commissioner, Alaska Department of Natural Resources

8:15 a.m. *Plenary Session* Columbia B/C

Climate Change Issues at the State and Federal Policy and Management Level

Learn about the important issues that are facing our leaders regarding climate change, and the issues on which decisions will be based that will affect us at the state and national level. We will discuss policy level issues related to fresh and marine waters, submerged lands and the associated water columns.

10:00 a.m. Break Columbia Foyer

10:30 a.m. *Workshop Sessions* See Agenda-at-a-Glance

Session A. Climate Change Research - the Latest from the Northland

Discussion will review influential research and critical issues related to freshwater and marine submerged lands and the associated water columns in Alaska. This session will focus on the science and its application with speakers who are conducting climate-related research.

Session B Cold Water Survival

Presenter: Jake Schlapfer - Bureau of Land Management

This short course will discuss and practice effective cold water rescue and survival techniques at the Alyeska Resort pool. In Alaska, we know that a large percentage of watercraft fatalities result from cold water exposure. We will look at two phases of exposure: initial immersion/cold shock response and short term immersion scenarios that may result in the loss of physical performance. Practical in-water exercises will include techniques for self-rescue and the rescue of others. Participants will have opportunities to test the latest personal floatation devices and rescue systems available on the market.

Alyeska Pool



Great preparation for our field sessions!

12:00 p.m.

Luncheon

Columbia B/C

Managing Water, Wild Salmon and Minerals in Bristol Bay, Alaska: Part 1

Speaker: Tom Crafford - Director, Office of Project Management and Permitting, Alaska Department of Natural Resources

Mr. Crafford will present an outline of the State process that is being managed regarding the proposed Pebble Mine. He will discuss the status and challenges being faced by the State of Alaska related to the development of the mine.

On state land in the headwaters of Southwest Alaska's Bristol Bay,

"...the proposed Pebble Mine is a copper-gold-molybdenum porphyry deposit in the advanced exploration stage... Pebble consists of two contiguous deposits... in a potentially acid-generating sulfide ore body: "a near surface resource of approximately 4.1 billion metric tons that, if developed, would likely be mined by conventional open-pit mining techniques... and a significantly deeper deposit... containing approximately 3.4 billion metric tons of higher grade ore [that], if developed, would probably be mined via bulk tonnage underground mining methods." DNR website

1:30 p.m.

Workshop Sessions

See Agenda-at-a-Glance

Session A *Kenai River Management, Part 1*

Moderators and presenters: Doug Whittaker - Confluence Research and Consulting and Janet Schmidt, Kenai Refuge, US Fish and Wildlife Service

After a brief "Tour of the River" and review of a recent public survey, six panelists from state, federal, and stakeholder organizations will discuss a sample of Kenai River management issues:

Andy Loranger	Fish and Wildlife Service
Bobbie Jo Skibo	Forest Service
Jack Sinclair	Alaska State Parks
Robert Begich	Alaska Department of Fish and Game
Robert Ruffner	Kenai Watershed Forum
Joe Connors	Kenai River Special Management Area Advisory Board

They will describe varying management perspectives toward addressing biophysical impacts (e.g., bank trampling, hydrocarbons, turbidity, and wake erosion); motorized/non-motorized use issues on the Lower and Middle River; and capacities, use limits, and guide limits.

This session is a precursor to the Kenai River Management, Part 2 field session on Thursday.

Session B *Navigability in Alaska*

Presenters: David W. Schade and Scott Ogan - Alaska Department of Natural Resources, Jack Frost and Ralph Basner - Bureau of Land Management

This two-part session will begin with the current state and federal perspectives of title navigability and related legal criteria (historical use and susceptibility). The presenters will also review the Bureau of Land Management *Recordable Disclaimer of Interest* process and the similarities and differences of a quiet title action.

Session C *Stream Ecosystem Restoration*

Presenters: James MacCartney - Trout Unlimited, Josh Brekken - Oasis Environmental

Streams are unique ecosystems; they are long and narrow with unidirectional water flow. They are also dynamic systems that are prone to frequent and sometimes dramatic changes in morphology and habitat. Jim will present a case study from Nash Stream in northern New Hampshire that shows how restoration treatments are being used to improve the health and function of stream ecosystems. Nash Stream was greatly impacted by historic logging practices, a catastrophic dam failure and the resulting flood. Jim will describe the more significant impacts of these events, present examples of ongoing restoration activities at Nash Stream, and discuss plans for future work. Josh will present a case study from Denali National Park.

3:00 p.m.

Break

Columbia Foyer

3:30 p.m.

Workshop Sessions

See Agenda-at-a-Glance

Session A *Kenai-Russian River Confluence*

Presenters: Bobbie Jo Kolodziejki - Seward Ranger District, Janet Schmidt - U.S. Fish and Wildlife Service and John Eavis - USDA Forest Service

USDA Forest Service and U.S. Fish and Wildlife Service managers will discuss the latest cooperative efforts among five entities, each with management responsibilities for a highly used recreational area. Between June and September close to 150,000 visitors converge on one of Alaska's most popular sockeye salmon sport fisheries that also boasts a rich cultural heritage, seeking sockeye salmon and other recreational opportunities. Challenges include high visitor use and bear encounters.

This session is related to the Recreation Site Design, Part 2, and Kenai River Management, Part 2 field sessions to be held Thursday.

Session B *Hydropower in Alaska*

Session Moderator: Scott Ogan - Alaska Department of Natural Resources

In this two-part presentation, staff from the Alaska Energy Authority and Alaska Department of Natural Resources will present the current status of "water energy" projects in the State of Alaska. Part 1 will relate to Alaska's current hydroelectric facilities and future proposed dams. Part 2 will relate to ocean and river energy projects in Alaska.

Session C *Bering Glacier Hydrology*

Presenter: Scott Guyer - Bureau of Land Management

This presentation will discuss the scientific research conducted by university scientists of the Bering Glacier ice and water system. The Bering Glacier is the largest surging glacier in North America and has a terminus that is over twenty five miles long. This dynamic glacier has surged three times in the last sixty years and has been retreating for the last ten years. The results of the retreating have caused massive water flows out of Vitas Lake into the Gulf of Alaska.

Afternoon sessions will end at 5:00 p.m.

Dinner on Your Own

8:00 p.m.

Media Night

Columbia B/C

Participants are welcome to bring and share videos.

Wednesday, May 11th

7:30 a.m. - 8:30 a.m.

Continental Breakfast

Columbia Foyer

8:30 a.m.

Workshop Sessions

See Agenda-at-a-Glance

Session A *Recreation Site Design, Part 1*

Presenters: Bill Evans - Alaska Department of Natural Resources, John Mohorcich - Kenai Borough and Amber Bethe - Alaska Department of Fish and Game

This session will present site design concepts and processes that apply to river, ocean, or lake access for people and their gear. Presenters will describe design challenges that include protecting fish habitat; meeting Corps of Engineers permit requirements; working with the Alaska Coastal Zone Management Program process; coordinating with the Donald E. Gilman River Center; insuring access for people with disabilities; and making sure regulations are being followed while providing a satisfying, sustainable recreation facility. *This session is a precursor to the Recreation Site Design, Part 2 field session on Thursday.*

Session B *Researching and Writing History in the Turbulent Waters of Alaska*

Presenters: Rolfe Buzzell and Scott Ogan - Alaska Department of Natural Resources

Researching and writing histories of water bodies are key components of an exacting process for determining navigability of inland water bodies and adjudicating title to submerged lands in Alaska. At the Office of History and Archaeology, historians write comprehensive and impartial histories of waterways that managers in federal and state agencies use to resolve conflicts over title to submerged lands and help manage public lands. Rolfe and Scott will explain how

histories are used by federal and state agencies, often in disagreement between them about the criteria underlying navigability, as well as with other parties and the public.

8:30 a.m.

Workshop Sessions

See Agenda-at-a-Glance

Session C

Part 1: Restoration of Resurrection Creek, South Central Alaska

Coordinator: Jorjena Daly - Bureau of Land Management

Presenters include:

Elvira Wolf - Youth Restoration Corps

Dean Davidson - USFS (retired)

Kelly Wolf - Youth Restoration Corps

William MacFarlane, Hydrologist Chugach National Forest

This presentation will highlight techniques learned by Chugach National Forest, USDA Teams Enterprise, and the nonprofit organization Youth Restoration Corps. Using a unique collaborative approach to large-scale stream habitat restoration, the panel will present proven methodologies, outcomes, public ownership, permitting principals, creative agency support, alternative funding, and use of youthful energy and in-kind support.

Part 2: Leave No Child Inside, and Get Each One to a River!

Presenter: Risa Shimoda - River Management Society

This presentation will review the challenges facing a nature deficit-burdened generation as they relate to river environments, recent initiatives to encourage behavioral change, and models in the outdoor and outfitting industries that are introducing rivers into the lives of our kids.

10:00 a.m.

Break

Columbia Foyer

10:30 a.m.

Workshop Sessions

See Agenda-at-a-Glance

Session A *Benefits-Based Management Planning Process*

Presenters: Bill Overbaugh - Bureau of Land Management, others

This technical session will explore the theory and practice of benefit-based or outcomes-focused management planning. Benefits-Based Management is considered to be the most scientifically advanced and holistic planning model in recreation management. It takes into account all four levels in the recreation demand hierarchy and the ever-present components of the recreation system. A theoretical overview will be presented for understanding the planning elements, and examples of completed and on-going management plans will provide practical application.

Session B *Risk Management for River Managers*

Presenter: Tracey L. Knutson - Attorney

Tracey's primary practice involves working with recreation and adventure sports commercial operators, public land administrators and recreation-oriented educational groups. Tracey's presentation is designed to enable river managers to understand and manage the legal risks associated with river use more clearly to help them improve their risk management practices. She will present basic principles behind risk management examples of negligence and other common claims that have been brought against outdoor recreation professionals including guides, educators and public land administrators.

10:30 a.m.

Workshop Sessions

See Agenda-at-a-Glance

Session C *Invasive Species*

Presenters: Dr. Tricia Wurtz - USDA Forest Service, State and Private Forestry, Michelle Martin - Kenai Watershed Forum, and Dr. Denny Lassuy - US Fish and Wildlife Service

Invasive species are a growing and complex problem for river management. River processes and ecology and human use can be impacted significantly by invasive species, and these impacts can become permanent and costly without prevention measures and swift responses to new introductions. This session will provide an overview of both invasive plants and animals, and illustrate principles with several case studies from Alaska: white sweetclover dispersal along roads and glacial river floodplains across the state, a submerged aquatic plant clogging a slough of the Chena River in Fairbanks, and reed canary grass management on the Kenai Peninsula to prevent impacts to salmon. The session will conclude with practical recommendations for river managers and users for avoiding the problems that are caused by invasive species.

12:00 p.m.

Luncheon

Columbia B/C

Managing Water, Wild Salmon and Minerals in Bristol Bay, Alaska: Part 2

Speakers : David Allnutt - Acting Director of EPA's Alaska Operations Office, Tami Fordham - EPA Tribal Coordinator

Mr. Allnutt and Ms. Fordham will present an overview of EPA's current tribal outreach efforts and on-going assessment of the Bristol Bay watershed and its large-scale mineral development potential. EPA's assessment was initiated in response to petitions from nine federally-recognized tribes urging the agency to use its authority under the Clean Water Act to protect Bristol Bay from the proposed Pebble Mine.

In February 2011, the U.S. Environmental Protection Agency announced that it

...will conduct a scientific assessment of the Bristol Bay watershed to better understand how future large-scale development projects may affect water quality and Bristol Bay's salmon fishery, an extraordinary salmon resource for the United States... [and] a watershed essential to the health, environment and

economy of Alaska... The assessment, which will focus primarily on the Nushagak and Kvichak watersheds, will be informed by scientific peer review, tribal consultation, federal and state agency participation, as well as public and industry input. EPA press release 2/7/11

1:30 p.m.

Workshop Sessions

See Agenda-at-a-Glance

Session A *Numbers and How They Add Up*

Presenter: Kristina Rylands - Yosemite National Park

Yosemite's Tuolumne Wild and Scenic River Comprehensive Management Plan will be out for public review in May, and is the first Wild and Scenic River Area plan to apply the 9th Circuit Court of Appeals ruling on user capacity. Learn how this plan's authors developed numeric capacities that are tied to resource considerations.

Session B *Special Use Land Designations in Alaska, Part 1*

Presenters: Dave Griffin, Alaska Department of Natural Resources, Dick Mylius, Former Director, Alaska Department of Natural Resources

This two part session will present 1) an overview of the requirements and processes of establishing special use lands; and 2) a discussion of the challenges and successes of established special area designations on state-owned public lands.



This session is a precursor to the Special Use Land Designations, Part 2 - Knik River Public Use Area field session on Thursday.

Session C *Submerged/Emerging Cultural Resources*

Presenters: Dave McMahan - Alaska Department of Natural Resources, Dr. Hans Van Tilburg – NOAA / ONMS, and Michael Burwell – Minerals Management Service

Our past is preserved in coastal or near-shore archaeological and historical sites, as well as maritime cultural landscapes that are vulnerable to damage from forces such as tectonics, the effects of global warming, increasing infrastructure for oil extraction and communications, bottom trawling, and unauthorized disturbance by artifact collectors. State and federal agencies are challenged by limited resources in carrying out responsibilities to manage a vast number of submerged heritage resources. In this session speakers will discuss how some of these challenges are being met through exploration, collaborative data recovery, stewardship initiatives, and **eco**-tourism opportunities.

3:00 p.m.

Break

Columbia Foyer

3:30 p.m.

Workshop Sessions

See Agenda-at-a-Glance

Session A *Community Whitewater Park Development*

Presenters: Risa Shimoda - River Management Society, Rick McLaughlin, P.E. - McLaughlin Whitewater Design Group, and Kevin Colburn - American Whitewater

This presentation will provide an overview of the emerging engineering specialty that has created new management considerations for river managers. The presentation will cover social, economic and environmental benefits they bring to cities and towns across the country; technical challenges engineers address during the design process, and the design considerations they must make when addressing multiple stakeholder interests in order to secure permits and lower risks to public safety.

Session B *Public Trust Doctrine: Perspective by the State of Alaska on the Use of Its Waters*

Presenters: Mike Sewright, Alaska Department of Law, and Dick Mylius, Former Director, Department of Natural Resources

This session will discuss the Constitutional and legislative mandates for public trust uses of waters in Alaska. This presentation will discuss current policy on the definition of public trust uses, the state's legal definition of navigable and public waters, the effects of private ownership of the submerged lands, and recent directives from the Department of Natural Resources.

Session C *Alaska Boating Safety Program*

Presenter: Jeff Johnson, Boating Law Administrator with the Alaska Office of Boating Safety, Department of Natural Resources

Alaska has over 33,000 miles of coastline, over 3,000 rivers, and more than 3 million lakes. From power boating and air boating, to rafting, kayaking, and canoeing, Alaska's boating opportunities are as superlative as they are diverse. Alaskans use boats to enjoy our world-class recreational resources, but also as an important means of transportation, and to support subsistence. Unfortunately Alaska also has one of the highest non-commercial boating fatality rates in the nation. This session will provide an overview of the effectiveness of Alaska's boating safety programs, measures of the program's effectiveness, a description of Alaska's fatality profile, and successful highlights such as the Kids Don't Float program and the "Pledge to Live – Wear A Life Jacket" campaign.

Afternoon sessions will end at 5:00 p.m.

6:30 p.m.

Social, Banquet, Awards

Columbia B/C

Join the group for an evening of good food, awards and entertainment. Live music will be provided after the dinner and awards ceremony by **Pamyua** (pronounced Bum yo-ah) a tribal funk fusion of traditional Inuit music and Yup'ik dance performance.

Thursday, May 12th

7:00 a.m. - 8:00 a.m.

Box Lunch Pickup (Field Sessions 1 and 2)

Columbia Foyer

8:00 a.m.

Field Sessions

Alyeska Lobby

Each of the three sessions is a continuation of a previous workshop presentation(s), and will conclude with close-out discussions over breakfast on Friday. Participants will view issues, management, site design and other aspects of river and submerged lands management on the ground with resident experts.

Special Use Land Designations in Alaska, Part 2 - Knik River Public Use Area

Organizer: Dave Griffin – Alaska Department of Natural Resources

This field session is a follow up to the Special Use Land Designations, Part 1 presentations. Participants will travel to the Knik River Public Use area to view and discuss the implementation of this highly used “special use” designated area. This trip will include a ride up the Knik River in a jet boat and a 3-4 hour raft trip downriver to view some of the myriad of challenges the State of Alaska faces in managing river use in this area.

Recreation Site Design, Part 2 – Recreation Sites and Water Access

Organizer: Alison Rein - USDA Forest Service

Discussion topics will include revegetation, invasive species, traffic flow, site layout/utilization, waste management, multiple jurisdictions, coordination, bears, restoration, cultural resources, miners, hooligan, salmon, access and use. Sites to be visited include: Twentymile River Boat Launch (Forest Service/State), Sixmile River (State), Dave’s Creek (Forest Service), Russian River (Forest Service/Fish and Wildlife Service), Jim’s Landing (Fish and Wildlife Service), Morgan’s Landing (State Parks), and Soldotna Creek Park (City of Soldotna). This field session follows the Russian River, Kenai River, and Recreation Site Design sessions held earlier in the week.

Kenai River Management, Part 2

Organizer: Janet Schmidt - Kenai National Wildlife Refuge

Join outfitter Alaska Rivers Company on a float down the famous Kenai River. We will view sites mentioned in the Russian River, Kenai River, and Recreation Site Design sessions held earlier in the week, continue down the beautiful Kenai Canyon, and end at the edge of Skilak Lake. Most of the trip will take place on Kenai National Wildlife Refuge, and will end with a 1.5 mile hike through the Refuge to your waiting vehicles on Skilak Lake Road. The float will last approximately 3 hours (depending on the flow of the river). **Note:** The outfitter will provide lunch, rain gear, flotation devices and boots...you will need to provide your warm and layered clothing, heavy socks, hats and gloves.

Dinner on Your Own

Friday, May 13th

7:30 a.m. - 8:30 a.m.

Continental Breakfast

Columbia Foyer

Field Session Closeout Discussions

Columbia B/C

Meet with your field session cohorts. Review and discuss any new thoughts about Thursday field sessions, especially issues or ideas that can be brought home as inspired learning.

8:30 a.m.

Workshop Sessions

See *Agenda-at-a-Glance*

Session A *Water Trails*

Coordinator: Dorina Frizzera - New Jersey Coastal Management Office. Presenters: Corita Waters – National Park Service, and others

This presentation will discuss the recent developments of the “water trails” movement. It will also showcase current programs and the benefits of establishing water trails throughout the United States. Challenges, such as providing public access to and from the water in urban settings, as well as successes will also be discussed by program presenters and participants.

Session B

Part 1: *Maritime Infrastructure: Boundary and Cadastre Development Utilizing GIS*

Presenter: Doug Vandegraft, Bureau of Ocean Energy Management, Regulation and Enforcement

Developing a marine cadastre can be a daunting exercise. This presentation will focus on a GIS vision for supporting the complexities of establishing and managing offshore boundaries and lease areas. The Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) is responsible for managing the offshore leasing program for the Federal Government, and has contracted with ESRI, Inc. to develop a special suite of geospatial tools. Topics of discussion include building a survey-aware cadastral network, and supporting planar, geodesic and loxodrome calculations that will expedite workflows, improve knowledge transfer, and address new renewable federal energy initiatives.

Part 2: *A Multipurpose Marine Cadastre to Support Renewable Energy Siting*

Presenter: Christine Taylor, Bureau of Ocean Energy Management, Regulation and Enforcement
The Multipurpose Marine Cadastre (MMC) is the result of a multi-agency partnership to build an on-line GIS-based marine information system for U.S. waters to assist decision making on renewable energy siting and a host of other ocean issues, at no cost to the user. The National Oceanic and Atmospheric Administration (NOAA) and BOEMRE are organizing and providing the underlying spatial data and initiating partnerships with data providers and users. Examples of how the tool is being used to support renewable energy development will be provided.

10:00 a.m.

Break

Columbia Foyer

10:30 a.m.

Closing Session

Columbia B/C

Speaker: Sean Parnell - Governor of Alaska (Invited)

Rivers and Submerged Lands - Putting it All Together

Alaska's governor will share his thoughts on rivers, submerged lands, and the roles of state and federal managers in the nation's largest state, offering lessons for others.

11:15 a.m.

Closing Remarks

Columbia B/C

Co-Chairs and RMS President

Workshop / conference morning sessions will end at approximately 11:30 a.m.



Another round of thanks from The River Management Society and International Submerged Lands Management Conference go to the sponsors of *Rivers that Run under the Midnight Sun*.

This week and the value it contributes to the professional development of the participants would not be possible without these organizations.



Friday On Your Own...

Conference / Workshop organizers have put together an impressive assortment of exciting trips. If you have not signed up prior to your arrival, it may not be too late to do so! Check the Registration Desk and Message Center for trip updates. Meet in the Alyeska Lobby at 1:00 p.m. for all sessions, unless otherwise posted at the Message Center.

1:00 p.m. Whitewater Rafting (3-3 ½ hours)

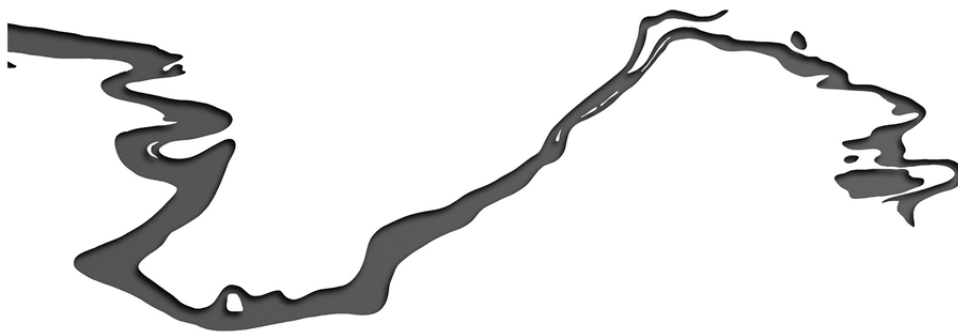
Enjoy an afternoon of Class II-III whitewater rafting on Glacier Creek with spectacular Alaskan glacial views, and stop at waterfalls along the way. Alaska Backcountry Access, LLC (<http://www.akback.com/>) will provide guides, drysuits, wetsuit booties, vests and helmets for this exciting and scenic creek rafting trip. Participants will be required to sign a liability waiver. The cost of this trip is \$59. Participants will take the hotel shuttle to meet Alaska Backcountry Access, then will travel to Crow Creek trailhead for a snowy, one mile hike to the put-in. For further information, gear rental or to reserve a spot contact owner Andy Morrison at andy@akback.com, 800-783-3005 or 907-783-3600.

Participants may be able to depart on-foot from the hotel and hike about 2.5 miles on Winner Creek Trail toward the famous hand-tram. There is a scramble down a hillside to a creekside area where you can suit up and start padding!

1:00 p.m. Class IV-V Whitewater Rafting (6 hours)

The Chugach Outdoor Center is offering a trip on the Sixmile River, water levels permitting. Sixmile Creek is a high adventure run featuring the highest difficulty level available in a guided whitewater trip. Dropping over 50 feet per mile as it flows out of the Chugach Mountains near Hope, Alaska, Sixmile Creek has cut its way through three separate canyons offering Class IV- V whitewater. Paddlers will be on the water for 4 hrs. The trip will return to the Alyeska Resort at approximately 7:00 p.m.

The trip costs \$150 for 3 canyons or \$100 for 2 canyons, 3 people are needed to reserve a trip and will receive a discount if we reserve over 10 spots. If you are interested, contact David Griffin at david.griffin@alaska.gov or (907) 269-8696, and look for trip details at the Message Center.



1:00 p.m. Packrafting (3-3 ½ hours)

There will also be an opportunity for those who possess Class III kayaking experience, to try Alaskan-style hybrid hiking and boating, otherwise known as packrafting! This trip will not be guided, competent class III skills are necessary. There will be an opportunity for those interested to learn more about this option during the conference. In order to participate, please keep the following in mind:

- 1) Packrafts, break-down paddles, life vest, and inflation bags can be rented from Pack Raft Alaska (<http://pacraftalaska.com/>) for \$40.
- 2) Drysuits, helmets, and booties can be rented from Alaska Backcountry Access, LLC (<http://www.akback.com/>)
- 3) Packrafts travel best in a large daypack, so if you're considering packrafting; you might toss the suitcase and travel to the conference with a backpack that you could use on Friday.
- 4) If there is enough packrafting interest, there may be a "Packrafting 101" session in the Hotel Pool at 8pm Thursday, May 12 after the day-long field trips. This session will provide an opportunity for packraft instruction and familiarity prior to running Glacier Creek. The packrafting access at Glacier Creek doesn't allow any time for warm-ups since it is located below a large waterfall and above two immediate class III rapids. The creek eventually braids out and meanders to the take-out bridge in the town of Girdwood and conveniently close to a few great bars and restaurants if your wallet makes the trip dry!

1:00 p.m. Take a Hike!

Opportunities abound to experience local outdoor treasures. Hike nearby Winner Creek Trail and hand tram your way across a gorge, or sample a section of the Iditarod National Historic Trail. Ride the resort tram up to the historic Roundhouse and enjoy some refreshments on the deck overlooking Cook Inlet and the surrounding mountains and glaciers. **Note:** the hand tram was damaged during the winter months: the Message Center for its current condition.



2011 Workshop / Conference Committee

Co-Chairs

RMS - Helen Clough
ISLMC - David W. Schade

Committee Leaders

Field Trips

David Griffin
Alison Rein
Janet Schmidt

Program Sessions

Helen Clough
David Schade
Doug Whittaker
Jorjena Daly
Jake Schlapfer
Melissa Blair
Paul Clark
Janet Schmidt

Transportation

Paul Clark

Hospitality and Menu

Janet Schmidt
Mary Price
Stephanie Cluisau

Participant Gifts

David Griffin
Melissa Blair

Entertainment

Melissa Blair
Alison Rein

ORV Workshop

Donita Cotter
Jennifer Reed
Cassie Thomas

Out-Of-State Committee Members

Donita Cotter, Fish and Wildlife Service
Stephanie Brady, Fish and Wildlife Service
Courtney Brown, USDA Forest Service
Tim Charnon, USDA Forest Service
Christine Geis, Anchorage Parks and Recreation
Lenore Heppler, Bureau of Land Management
Lisa Holzapfel, National Park Service
Karen Kromrey, USDA Forest Service
John Mohorcich, Kenai Peninsula Borough
Jack Mosby, Alaska Trails
Joni Scharfenberg, Fairbanks Soil and Water
Jack Sinclair, Alaska Department of Natural Resources
Bobbie Jo Skibo, USDA Forest Service
Peter Wikoff, US Fish and Wildlife Service

RMS

Steve Johnson, President
Risa Shimoda, Executive Director
Lee Larson, Treasurer
Debbie Johnson, Merchandise Coordinator

RMS Alaska Chapter

Melissa Blair, President
David Griffin, Vice President
Jennifer Reed, Secretary
Bill Overbaugh, Treasurer

About the Alyeska Resort

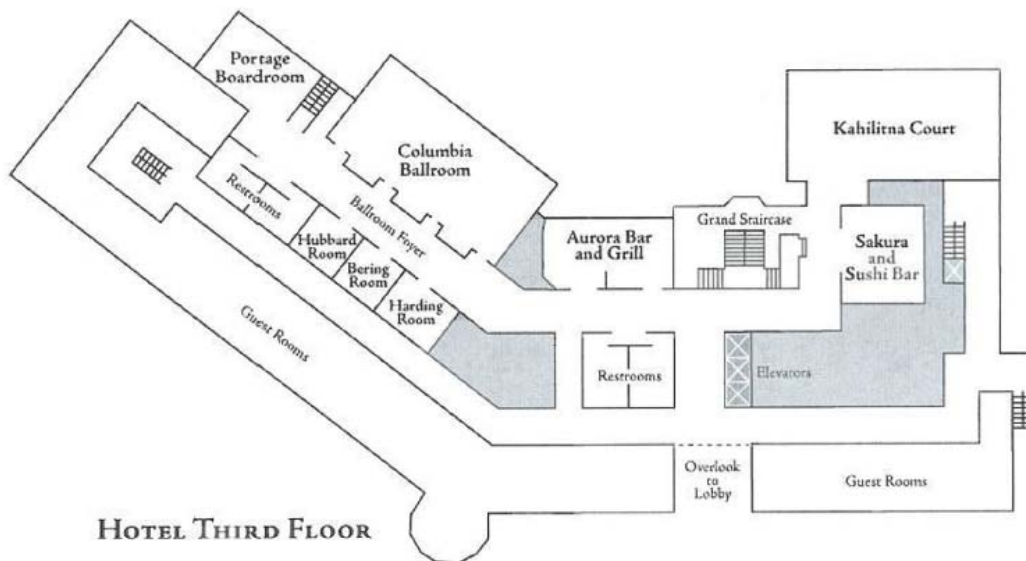
This year's workshop / conference host hotel features a fine list of guest amenities:

60-passenger aerial scenic tram
Easy access to open space, nature trails & walking paths

Saltwater pool, whirlpool & fitness center
The Spa at Alyeska

Seven Glaciers Restaurant - AAA Four Diamond award-winning mountain-top dining

High-speed internet access in guest rooms
Complimentary high-speed wifi in common areas
Starbucks™ in-room coffee



We appreciate and extend our thanks to the professional staff at the Alyeska Resort

Dawn Venters – Sales Manager
Carolynn Jerome – Conference Service Manager



RMS is a national nonprofit professional organization whose mission is *to support professionals who study, protect, and manage North America's rivers.*

Dedicated to holistic river management,

RMS provides managers, researchers, educators and federal, state, and local agency employees a forum for sharing information about the appropriate use and management of river resources.

Our programmatic focus will be evolving to achieve our strategic objectives in order to

Develop Professionals - Provide training, field experience, research opportunities and other pertinent material to current and aspiring river professionals.

Advance Knowledge - Identify professional needs relative to river issues.

Inspire Future Leaders - Inspire interest in rivers and how they are managed among young people, and create opportunities for them in the river management profession.

There are seven regional chapters in the United States: Alaska, Pacific, Northwest, Southwest, Midwest, Northeast and Southeast, as well as a Canadian chapter organized as the Canadian River Management Society (CRMS). Each chapter holds meetings and regional field trips to share and discuss river management issues.



International Submerged Lands Management Conference

The objective of this conference is to increase awareness of the management issues surrounding submerged lands within the U.S, Canada, and the Caribbean, and provide a forum for discussion about submerged lands issues. The conference audience includes coastal/natural resource managers, attorneys, consultants, academics and other professionals with particular expertise or experience related to some aspect of submerged lands, whether government, business, or the non-profit community.

Increase awareness of the management issues surrounding submerged lands within the U.S, Canada, and the Caribbean, and provide a forum for discussion about submerged lands issues.