Assessing and Developing Knowledge, Skills, and Abilities for River Rangers

Presented by:

Colter Pence,
WWSR program manager,
Flathead National Forest

Angie Fuhrmann,
River Training Center Coordinator,
River Management Society
Objectives

1. Gain familiarity with Core Competencies and Knowledge, Skills, and Abilities relevant to river rangers

2. Conduct a KSA self-assessment

3. Review and share out resources for developing KSAs
...the time has also come to identify and preserve free-flowing stretches of our great rivers before growth and development make the beauty of the unspoiled watersway a memory.

—President Lyndon B. Johnson, 1965
A competency is a measurable pattern of knowledge, skills, and abilities that an individual needs to perform work roles or functions successfully.

Competencies specify the “how” of performing job tasks, or what the person needs to do the job successfully.
Competencies/KSAs Context

**Knowledge** is a body of information applied directly to the performance of a function.

**Skill** is an observable competence to perform a learned psychomotor act.

**Ability** is competence to perform an observable behavior or a behavior that results in an observable product.
Core Competencies for River Management Specialists

- Review the Interagency Wild and Scenic Rivers Coordinating Council Technical Core Competencies for River Management Specialists and Non-Specialists paper
Technical Core Competencies for River Management Specialists and Non-Specialists paper from Interagency Wild and Scenic Rivers Coordinating Council


Assess Your Own River KSAs

Work through a self-assessment of your river ranger KSAs
Objectives

Review the River Ranger KSA Self-Assessment to view all of the Core Competencies and sub KSAs

Conduct self-assessment.
  • Rate yourself from No KSA, Some, Have Performed, Very Experienced.
  • Make notes if you know of resources to learn about these OR if you need resources.
  • If you know of resources, please note that and plan to share later.

Take a break and work through the self assessment.

Back at: half past the next hour.

We will then work through resources to acquire KSAs
Review and Share Out Resources for Developing KSAs

- Learn about resources to further develop your KSAs
Major Sources

- River Management Society
- Major Forest Service Resources
- Interagency WSR Coordinating Council (rivers.gov)
- Others and your sources

Please be thinking of things we may have missed and please share them at the end.
• Professional Development
• Information and Education
• A Voice
• Collaboration
RMS Membership

- Levels for Students, Associates, Professionals, NGOs and Agencies

Quarterly RMS Journal

Symposium & Event Discounts

Workshops & River Trips

Biweekly News Digest

Members-only website

Access to Listserve with 400+ river professionals
Types of Training

1. Webinars & Virtual Discussions
   - Spring Wild & Scenic Webinar Series
   - Monthly River Management Roundtables

2. Multi-day Virtual Workshops

3. In-person Workshops
Training Topics

- Wild & Scenic Rivers - CRMPs and Section 7
- Stream Bank Restoration
- River Access Planning
- Anti-Discrimination and Sexual Harassment
- River Ranger Rendezvous
Upcoming Training

Visit
www.river-management.org/river-training-center
Visit www.gotostage.com/channel/river-management
Seeking firepan standards...

Risa Shimoda rmamoderator@rms.memberlists.net via me...  Mon, May 3, 11:15 AM (4 days ago)

to angle

Hello RMS members,

We are reaching out from the Rio Chama to ask if you have any information that can help us determine what the common standard for firepans on federally permitted rivers is.

Our plans currently do not describe the dimensions of fire pans and their need - or not - to be elevated.

We also wonder how standard it is to require fire blankets.

Thank you for your time.

[Logo: River Management Society]

"Supporting professionals who study, manage and protect North America’s rivers"
Job Board

Visit

https://river-management-jobs.careerwebsite.com/
Positions with our Partners

Permanent, Full Time

- Aquatic Invasive Species (AIS) Specialist - Wyoming Game and Fish Department - Cheyenne, WY (Closes 3/21)
- Hydrologist - BLM – Alaska
- Hydrologist - National Oceanic and Atmospheric Administration, Sacramento
- Aquatic Plant Maintenance – Chicago Botanic Garden, Glencoe, IL
- Park Ranger (Protection) - Bryson City, National Park Service
- Clean Water Campaign Associate - New Brunswick, Environment America
- Multi-Watershed Monitoring Crew Leader – Friends of the Verde River
- Riparian Monitoring Technician – Friends of the Verde River
- Invasive Species Technician – Wild Rivers Invasives Species Coalition (MI)
- Stream Restoration Project Manager – Clark Fork Coalition (MT)
- Charles Olalos and Ted Goslow Chair in Environmental Science and Policy - Northern Arizona University
- Seeking an internationally recognized scholar and leader in ecology and conservation biology to fill this chair, providing interdisciplinary leadership and national stature to NAU's demonstrated strengths in ecological science, conservation, and environmental policy.
- Executive Director - John Wesley Powell River History Museum

Seasonal, Internships

- Boater Outreach (Seasonal) – Solano Resource Conservation District Dixon, CA

Visit
www.river-management.org/for-job-seekers#Positions
Visit
www.nationalriversproject.com/
River Studies
and
Leadership
Certificate

Visit
https://www.river-management.org/
river-studies-leadership-certificate
RSLC Requirements

1. Core Courses:
   - Geographic Information Systems
   - River Science
   - River Policy
   - Swiftwater Training

2. - River Science
   - River-based Policy and Management
   - River-based Recreation, Education, and Tourism

3. - Credit-earning internship
   - Paid professional experience
   - Independent study
   - Course-related professional experience

4. - Present at biennial RMS Symposium
   - Present at a sponsored conference
   - Write an article for the Quarterly RMS Journal
Participating Institutions
Over 25 students have completed the RSLC program!

Lapham Fellowship at American Rivers

Hydrologic Technician, Bridger-Teton National Forest

WSR Management Planning, Santa Fe National Forest

Restoration and Education Technician - Point Blue

Conservation Science

Admin Support, National Park Service - Flagstaff

National Rivers Project Coordinator

Salmon Wild and Scenic River River Ranger, BLM
Forest Service Sources

Forest Service Manual and Handbook sections:
  • River Recreation Management: FSM 2354
  • Grants & Cooperative Agreements: FSM 1580 & FSH 1509.11 (10)
  • Planning (NEPA, Forest Planning, WSR Evaluations): FSM 1920 & FSH 1901.12 (20) & (80), FSH 1909.15
  • Special Uses and Outfitter and Guides: FSM 2700, FSH 2109.14 (50)
  • Land Ownership: FSM 5400 and multiple FSH sections
  • Land Ownership Title Management: FSM 5500 and multiple FSH sections
  • Health and Safety Handbook: FSH 6709.12
  • https://www.fs.fed.us/im/directives/
• FS National WSR Program Sharepoint Site

• National USFS website - WSRs
  https://www.fs.usda.gov/managing-land/wild-scenic-rivers

• Forest Service Interactive Visitor Map (zoom in)
  https://www.fs.fed.us/ivm/index.html
Goal is to improve interagency coordination in administering the WSRA, thereby improving service to the American public and enhancing the protection of important river resources.

- [https://www.rivers.gov/council.php](https://www.rivers.gov/council.php)
- [www.rivers.gov](http://www.rivers.gov)

Summary of Interagency River Management Training Needs

- > Publications > Technical Papers > Council White Papers > Summary of Interagency River Management Training Needs and Available Resources
- [https://www.rivers.gov/documents/training-needs-resources.pdf](https://www.rivers.gov/documents/training-needs-resources.pdf)
Other Resources and Your Sources

- National Rivers Project
  http://www.nationalriversproject.com/
- Interagency Visitor Use Management
  https://visitorusemanagement.nps.gov/
- Various state Fish/Wildlife/Game/Parks agencies
- Center for Outdoor Ethics (LNT)
  https://lnt.org/
- American Whitewater
  https://www.americanwhitewater.org/
- American Rivers
  https://www.americanrivers.org/
- American Canoe Association
  https://www.americancanoe.org/
Other Resources and Your Sources

- proValens Learning - Interp and other
  https://provalenslearning.com/foundations-of-interpretation

- Idaho Rivers United, Wild & Scenic Stewardship Guide Certification Program
  https://www.idahorivers.org/guideed

- Whitewater Rescue Institute
  https://www.whitewaterrescue.com/

- Rescue 3 International
  https://rescue3.com/

- Beetles Project
  http://beetlesproject.org/

- USGS Water Watch
  https://waterwatch.usgs.gov/?id=ww_current
Contact Info

Colter Pence
colter.pence@usda.gov

Angie Fuhrmann
angie@river-management.org
Thank you!