

National Park Service

Biological Resource Management Division



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Introduction and Update



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BRMD focuses on:

- Non-native species management and ecosystem restoration
- Endangered species
- Wildlife management
- Wildlife health
- Natural Resource Preservation Program Funding – Facilitator
- T & E Species Funding Source – Administrator
- Resource Protecting Funding Source – Administrator
- Biological Resource Management Competitive – Facilitator

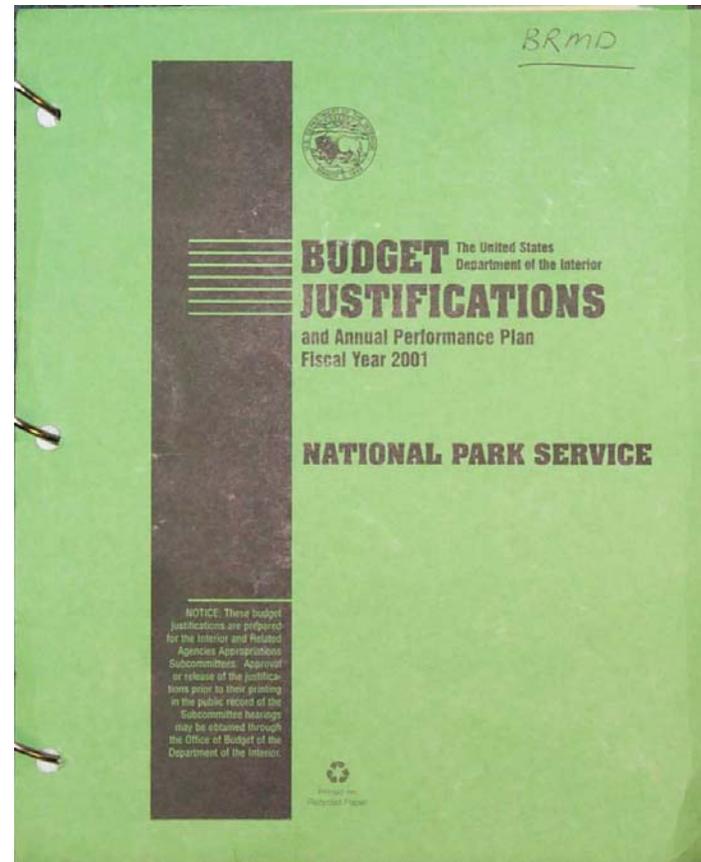
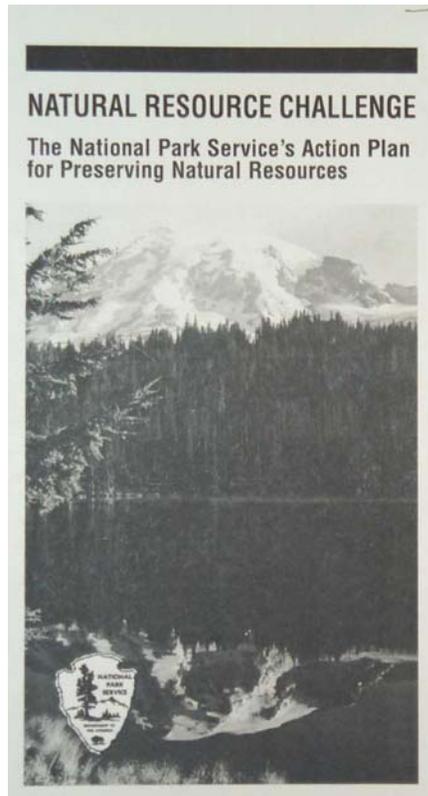
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History



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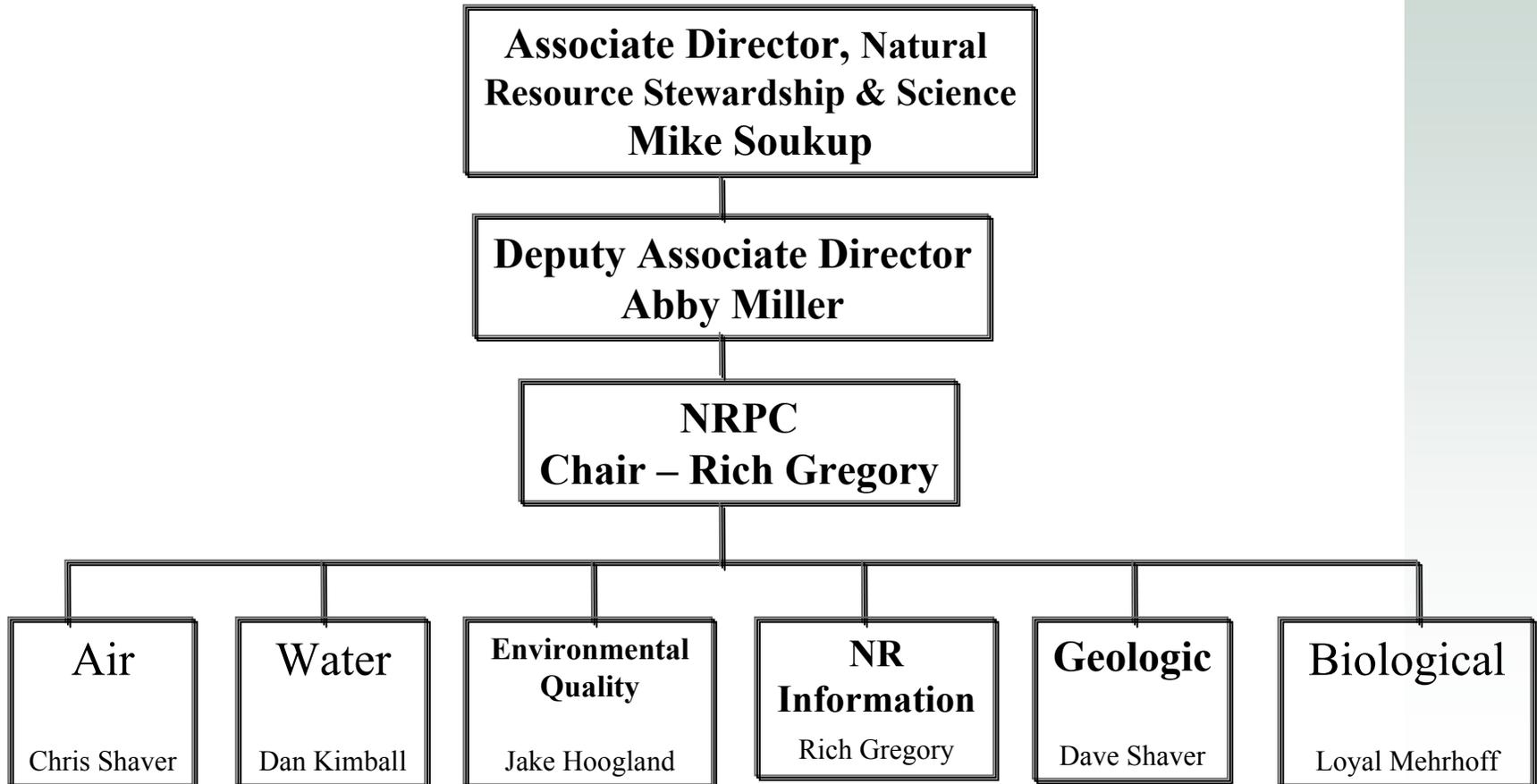
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Natural Resource Program Center



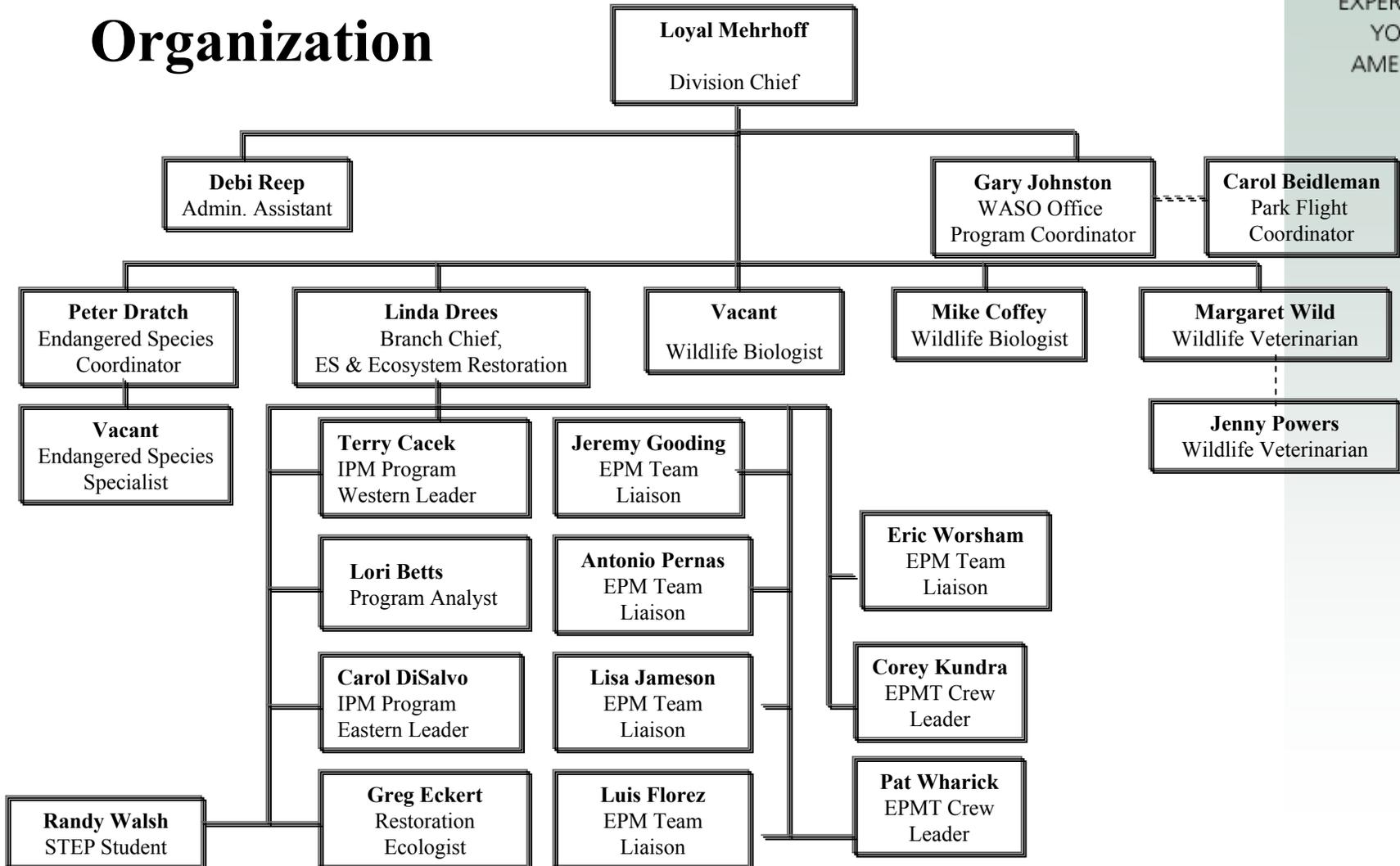
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Organization



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BRMD Locations

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2002 Highlights Invasive Species Program

- Nine exotic plant management teams (EPMT's)
- IPM consultation
- West Nile Virus (WNV) monitoring and management



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EPMTs in 2002

- Lake Mead (Arizona, Colorado, Nevada, Utah)
- Northern Great Plains (N. & S. Dakota, Nebraska)
- California
- Gulf Coast (Texas, Mississippi, Louisiana)
- Washington
- NCR
- Florida
- Pacific Islands
- Chihuahuan Desert (New Mexico, Colorado, Texas)

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EPMT 2002 Accomplishments

- **Gross Infested Area Treated** **68,751**
- **Acres Retreated** **330**
- **Acres Inventoried** **29,304**
- **Acres Monitored** **34,865**
- **Acres Restored** **8**
- **Lost-time Injuries** **0**

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Highlights of Restoration Program

- Collaboration with Fire Management Programs Center
 - Participation in national teams to develop DOI strategies
 - Review national plans
 - Joint assessment of park resource issues
- Technical assistance
- Remediation/Restoration of contaminated sites
- Interdisciplinary resource assessments





2003 Highlights T&E Species Program

- Complete T&E Database
- Technical Assistance
- Focus NRPP-T&E funds on declining species
- Attempt to improve GPRA



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Highlights T&E Species Program

GROUP	C	T	E	NUMBER
Plants	30,	38,	115	183
Invertebrates	10,	6,	31	47
Vertebrates	17,	56,	105	178
TOTAL	57,	100,	251	408

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Highlights of Wildlife Program

- Training
- Veterinary consultation
- Wildlife health program planning
- Technical assistance
- Exotic species removal
- Participation on National CWD Plan
and CWD Implementation Plan



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Highlights of Park Flight Program

- Provide project assistance to US and Central American parks/protected areas through:
 - Monitoring, protection, and management of migratory birds
 - Interpretation, education, and outreach to enhance migratory bird conservation



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Highlights Division-wide

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- Communicating with organizations
 - IAFWA
 - Wildlife Management Institute
- Establishing partnerships
 - Partners in Flight and American Airlines
 - Center for Plant Conservation
 - National Wildlife Health Center
- Utilizing CESU agreements
- *NOT* doing research

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CESU Agreements

- Veterinary support (CSU)
- T&E technical assistance and database development (CSU)
- Park Flight migratory birds (UA)
- Genetic Analysis (U of Montana)
- CWD Veterinarian (CSU)
- Biostatistical Services (U of Wyoming)
- Human Dimensions of Wildlife Management (Cornell)
- Microbes Workshop (CSU)

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EPMTs added in 2003

- Great Lakes Network EPMT
- Mid-Atlantic Network EPMT
- Colorado Plateau EPMT
- Appalachian Highlands & Cumberland/Piedmont EPMT
- Northern Rocky Mountain EPMT
- Northeast Regional EPMT
- Alaska EPMT

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Partnerships

- **Over \$1.8 million partnership dollars have been leveraged in 2002.**
- **This was over 50% of total EPMT budget in 2002 (\$3.0 million for 9 teams and expansion of Florida)**
- **82 volunteers gave 800 hours**
- **14 species eradicated from park units since 2000.**



Upcoming Issues in the Division

- Need for landscape-level solutions
- Poaching for plant and animal parts
- Genetically modified organisms
- Address native vs. non-native and control non-natives
- Emerging pathogenic organisms
- Fire Management Integration