

## Division of Science Applications (ST-170)

# *Helping the BLM Achieve Healthy and Productive Landscapes*

The Division of Science Applications serves BLM by providing:

- Specialists available to field offices for consultation and technical assistance
- Scientists available to collaborate with other agencies for the integrated development of methods and applications
- Experts available to the BLM Washington Office for the development of technical guidance and support of data management.

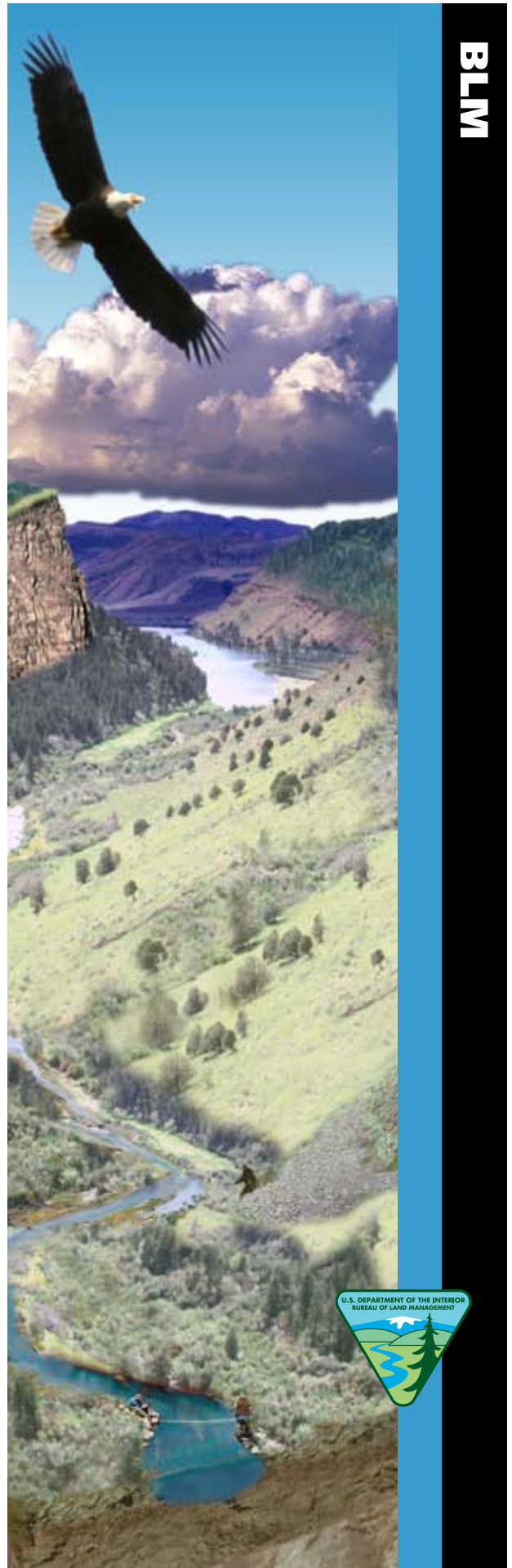
The Division of Science Applications, with the aid of publishing and library staffs, is able to provide the BLM with a multitude of services. Our knowledgeable and experienced staff provides scarce skills for training, information transfer, and technical guidance to assist with natural resource assessment and data stewardship.

### **Natural Resource Assessment**

- **Surface water hydrology:** channel restoration, surface water-aquatic modeling
- **Soil science:** soil condition and health, soil survey, soil erosion modeling
- **Hydrogeology:** water well site investigation, impact analysis, surface interactions
- **Rangeland ecology:** ecological site, multi-scale approaches, health indicators
- **Forestry:** forest vegetation modeling, forest inventory
- **Riparian/wetland ecology:** proper functioning condition, restoration
- **Fishery biology:** aquatic health, stream and river habitat
- **Landscape ecology:** spatial modeling, terrain and watershed analysis

### **Natural Resource Data Stewardship**

- **Rangeland improvement:** Rangeland Improvements Data Management (RIPS)
- **Rangeland use:** Rangeland Administration System (RAS)
- **Forest inventory:** Forest Vegetation Inventory System (FORVIS)
- **Wood product harvesting:** Timber Sales Information System (TSIS)
- **Forest stewardship:** Stewardship Contracting Information Database (SCID)
- **Wild horse management:** Wild Horse and Burro Program System (WHBPS)



**BLM**

## Current Workload Examples

<b>NSTC Project</b>	<b>Subactivity/PE</b>	<b>Ops Plan</b>
Lower Crooked Creek Prineville Assessment	1010/EC	1.2.03
National Vegetation EIS Support	1020/MJ	1.1.03
Wild Horse and Burro Project Management	1060/XA	1.3.04
Montrose OHV Erosion Monitoring	1220/MV	1.1.03
National Vegetation Classification Development	1020/BR	1.1.03
Local Workgroup Monitoring Strategy	1610/MJ	1.1
Pinedale Gas Field Water Monitoring	1310/MU	2.1.09
Powder River Coal Leasing Groundwater Assess	1320/DJ	2.1.10
Interagency Ecological Site Manual Development	1020/BQ	1.1.03
Land Health Standards Reporting Pilot	1020/MJ	1.1
Crystal Fire Idaho Falls Erosion Monitoring	1010/MZ	4.1.10
National Riparian Service Team Support	1040/MJ	1.1.02
National Partnership Coldwater Fisheries	1120/MO	1.2.03
Rangeland Administration System Representation	1020/PK	2.3.02
National Coop Soil Survey Technical Liaison	1010/BO	1.1
Timber Sales Information System Representation	1030/JE	2.4.03
Forest Vegetation Info System Representation	1030/BT	1.1.03
Erosion Potential Index Spatial Analysis Method	1610/BP	1.1.03

## National Science and Technology Center Staff

<b>Staff</b>	<b>Phone</b>	<b>Expertise</b>
Jacek Blaszczyński	303-236-5263	Geomorphology, Spatial Terrain Modeling
Tim Bottomley	303-236-0681	Forest Vegetation Inventory System/Forest Ecology
Philip Cooley	303-236-3693	Grazing and Rangeland Data Systems
Jim Fogg	303-236-0539	Hydrology, Surface Water Modeling
Mike "Sherm" Karl	303-236-0166	Rangeland Inventory, Assessment and Monitoring Specialist
Leon Pack	303-236-0156	Grazing and Rangeland Improvement Data Systems
Paul Summers	303-236-0151	Hydrogeology, Ground Water Investigations
Steve Swanson	303-236-8693	Hydrology, Streamflow Analyses
Bill Ypsilantis	303-236-3404	Soil Science, Condition Assessment
Richard Watson	303-236-0158	Timber Sales/Stewardship Contracting Systems
Lisa Weldy	303-236-3523	Wild Horse and Burro Program System Project Management
Don Prichard	303-236-0162	Riparian PFC, Fishery Biologist