

Directory of
Water Resources Individuals
from
State and Federal Agencies
in
Wyoming
1988

Wyoming Water Research Center
University of Wyoming
Laramie, Wyoming 82071
307/766-2143

in cooperation
with

State Water Forum

Contents

- A. Listing of State Agencies, Federal Agencies and University of Wyoming Departments with Water Interests.

- B. Individuals Listed with Expertise in a Particular Water Subject (Keyword).

Individuals are listed under keywords where they have indicated a knowledge and can provide specific information related to that keyword area. A list of keywords in alphabetical order is found in section D of the directory.

- C. Individual Water Experts Information Directory

Individuals are listed in alphabetical order with their agency or department association along with their address and telephone number. A brief description of each individual's background and interests in the water area is given.

- D. Listing of Keywords Utilized

**PARTICIPATING AGENCIES
AND DEPARTMENTS**

STATE AGENCIES

- Attorney General's Office
- Department of Environmental Quality
 - Water Quality
 - Land Quality
 - Air Quality
- Division of Health and Medical Services
- Economic Development and Stabilization Board
- Geological Survey of Wyoming
- Governor's Office
- State Engineer's Office
- State Planning Coordinator's Office
- Wyoming Department of Agriculture
- Wyoming Game and Fish Department
- Wyoming Highway Department
- Wyoming Industrial Siting Administration
- Wyoming State Forestry Division
- Wyoming State Veterinary Laboratory
- Wyoming Water Development Commission

FEDERAL AGENCIES AND OTHERS

- ARS - Animal Disease Research Lab
- Bureau of Land Management
- Lands and Renewable Resources
- Medicine Bow National Forest
- Shoshone National Forest
- Soil Conservation Service
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- U.S. Geological Survey
- Wyoming Cooperative Fish and Wildlife Research Unit

UNIVERSITY OF WYOMING DEPARTMENTS

- Agricultural Engineering
- Animal Science
- Atmospheric Science
- Botany
- Chemistry
- Civil Engineering
- Economics
- Engineering
- Geology and Geophysics
- Law College
- Mathematics
- Molecular Biology
- Plant, Soil and Insect Science
- Range Management
- Science and Math Teaching Center
- Wyoming Water Research Center
- Zoology and Physiology

WATER TOPICS INDEX

ACID RAIN

Thomas D. Crocker
Bruce A. Forster
Steven P. Gloss
E. Gerald Meyer
Frank J. Rahel
Katta Jayaram Reddy
William A. Reiners
Robert W. Rossman
William K. Smith
Gabor Vali
Robert W. Wiley
Stephen E. Williams

ACTIVATED CARBON

Robert Champlin
David H. Foster

ADSORPTION AND EXCHANGE PHENOMENA

David H. Foster
Katta Jayaram Reddy
William K. Smith

AERATION

Jack Bedessem

AGRICULTURAL WATER USE

State Engineer's Office
Donald J. Brosz
Robert D. Burman
Earl Cassidy
Beryl Churchill
Mohan Reddy Junna
Greg L. Kerr
Duane D. Klamm
Larry Pochop
Paul C. Schwieger
John W. Shields
Richard G. Stockdale

ALGAE

John C. Adams

ANAEROBIC TREATMENT

David H. Foster

AQUACULTURE

Wayne A. Hubert
Sally J. Wechsler

AQUATIC BENTHOS

Matthew A. Bilodeau
Dennis L. Blinkhorn
Edwin A. Gooley
R. Nick Schmal

AQUATIC ECOLOGY

Thomas C. Collins
Frank J. Rahe

AQUATIC FURBEARERS

Mark S. Boyce

AQUIFER CHARACTERISTICS

Earl Cassidy
Marvin A. Crist
Susan Hogg
Steve Ingle
Jaye Lunsford
Marion L. Maderak
Larry Martin
P. Stan Mitchem
Karen Spray
Richard G. Stockdale

AQUIFER PARAMETERS

Steve Ingle
Jon Wade

ARID CLIMATES

Cliff Franklin
Susan Hogg
Ronald W. Marrs
Brian Pruiett
Karen Spray

ATMOSPHERIC PROCESSES

John Marwitz
William K. Smith
Gabor Vali

BACTERIA

John C. Adams
Stan C. Strom
Stephen E. Williams

BASALT HYDROLOGY

Larry Martin

BASE FLOW

Allen Conder
Bill Glass
Richard A. Marston
Philip B. McCollam

BENEFIT-COST ANALYSIS

William R. Bailey
Robert Champlin
Thomas D. Crocker
G. Alan Edwards
Bruce A. Forster
John W. Jackson
Clynn Phillips
Paul C. Schwieger

BENTHOS

Allen Binns
Wayne A. Hubert
Richard L. Kroger
Robert Pistono
Howard Rhodes

BIODEGRADATION

John C. Adams
David H. Foster
Stephen E. Williams

BIOLOGICAL TREATMENT

G. Alan Edwards
Thomas S. Norman
Brian Pruiett

BIOMONITORING

Brian Pruiett

BRIDGE AND CULVERT SCOUR

William R. Bailey
John E. Knopp

CHANNELS

John Baughman
Allen Binns
Chris Butler
Allen Conder
Bill Glass
Kevin M. Johnson
Hugh W. Lowham
Richard A. Marston
Mark Opitz
Robert Pistono

CHEMIGATION

Jim Bigelow

CHLORINATION

Thomas S. Norman
Stan C. Strom

CLAY LINERS AND SLEEVE WALLS

Vince Sindt
John P. Turner

CLEAN WATER ACT - ADMINISTRATION

Matthew A. Bilodeau
Edwin A. Gooley

CLIMATE

Greg L. Kerr
Larry Pochop

CLOUD SEEDING

John Marwitz

COASTAL ZONE

Richard L. Kroger

COMPUTER ANALYSIS

Barry B. Lawrence

CONFLICT MANAGEMENT

Joseph Patti, Jr.
Paul C. Schwieger

CONJUNCTIVE USE

State Engineer's Office
Thomas D. Crocker
Mohan Reddy Junna
Larry Martin
Richard G. Stockdale
Frank J. Trelease

CONSERVATION

Arthur Anderson
John Baughman
Matthew A. Bilodeau
Dennis L. Blinkhorn
Mark S. Boyce
Ted Gilbert
Edwin A. Gooley
Tom Jewett
Duane D. Klamm
Jack L. McMillan
Paul Meyer
Joseph Patti, Jr.
Daniel J. Perko
Brian Pruiett
Frank J. Rahel
Robert W. Wiley

CONSTRUCTION INSPECTION

Russell Dahlgren

CONVEYANCE LOSSES

Greg L. Kerr

CONVEYANCE SYSTEMS

G. Alan Edwards
Victor Hasfurther
John W. Shields
Frank J. Trelease

CROP WATER USE

Donald J. Brosz
Robert D. Burman
Duane D. Klamm
Larry Pochop
John W. Shields

CRUSTACEANS

M. William Wengert, Jr.

DAIRY-WASTE MANAGEMENT

Conrad J. Kercher

DAM FAILURE

Russell Dahlgren
John P. Turner

DAMS

State Engineer's Office
Beryl Churchill
Russell Dahlgren
Gordon W. Fassett
Duane D. Klamm
Alan R. Mauzy
P. Stan Mitchem
Mark Opitz
Paul C. Schwieger

DATA COLLECTION/ACQUISITION

P. Michael Brogan
Chris Butler
Allen Conder
Larry Dolan
Stanley A. Druse
Bill Glass
Chris M. Goertler
W. Stephen Johnson
Greg L. Kerr
Dan Kotansky
Barry B. Lawrence
Philip B. McCollam
Margo F. Teague

DATA PROCESSING/EVALUATION

P. Michael Brogan
Allen Conder
Larry Dolan
Stanley A. Druse
Bill Glass
W. Stephen Johnson
Thomas E. Kinney
Dan Kotansky
Barry B. Lawrence

Marion L. Maderak
Ronald W. Marrs
Philip B. McCollam
Tim Reeves
Margo F. Teague

DECISION MODELS

Thomas D. Crocker
E. Gerald Meyer

DEMAND MANAGEMENT

Thomas D. Crocker

DENITRIFICATION

John C. Adams
William A. Reiners

DEVELOPING COUNTRIES

Peter W. Huntoon
Mohan Reddy Junna
Gabor Vali

DILUTION GAGING

James F. Wilson, Jr.

DISINFECTION

David H. Foster
Thomas S. Norman

DISTRIBUTION SYSTEMS

Robert Champlin
G. Alan Edwards

DRAINAGE

William R. Bailey
Chris M. Goertler
Tom Jewett
John E. Knopp
P. Stan Mitchem
Barry C. Mountain
Ghulam Yahya

DRILLING

Earl Cassidy

Marvin A. Crist
Barry C. Mountain
William F. Sherman
John P. Turner
Jon Wade

DROUGHT

Conrad J. Kercher

DYE TRACING

James F. Wilson, Jr.

DYNAMIC PROGRAMMING

Mohan Reddy Junna

EARTH DAMS

Russell Dahlgren
P. Stan Mitchem
Mark Opitz
John P. Turner
A. Mainard Wacker

ECONOMICS OF WATER RESOURCES

Thomas D. Crocker
Bruce A. Forster
John W. Jackson
Lawrence Robinson
Paul C. Schwieger

ENERGY USE & CONSERVATION

E. Gerald Meyer
Larry Pochop

ENVIRONMENTAL EMERGENCY RESPONSE ACTIONS

LeRoy C. Feusner

ENVIRONMENTAL LAW

Dennis C. Cook

EPIDEMIOLOGY OF WATERBORNE DISEASES

Stan C. Strom

EROSION, WIND OR WATER

P. Michael Brogan
Chris Butler
Margaret C. Ewing
Cliff Franklin
Tom Jewett
Dan Kotansky
Ronald W. Marrs
Richard A. Marston
Paul Meyer
P. Stan Mitchem
Brian Pruiett
Robert W. Rossman
Michael A. Smith
Steven Strenger
John P. Turner
Marc Wilcox
Thomas R. Williams
Bill Wilson

ESTUARIES

Arthur Anderson
Richard L. Kroger

EVAPORATION

Robert D. Burman
Victor Hasfurther
Larry Pochop
James G. Rankl

EVAPOTRANSPIRATION

Robert D. Burman
David H. Foster
Duane D. Klamm
Dennis H. Knight
Larry Pochop
John W. Shields
William K. Smith

FARM ANIMAL REQUIREMENTS

Conrad J. Kercher

FEDERAL COAL PLANNING/COORDINATION

Joseph Patti, Jr.

FERTILIZERS

Jim Bigelow
Earl Cassidy

FISH HABITAT IMPROVEMENT PRACTICES

Marc Wilcox

FISHERIES

Arthur Anderson
Tom Annear
John Baughman
Allen Binns
Michael A. Carnevale
Allen Conder
David J. Dufek
Jon A. Erickson
Steven P. Gloss
Edwin A. Gooley
Wayne A. Hubert
Kevin M. Johnson
Richard L. Kroger
Jack L. McMillan
Don D. Miller
Melvin Oberholtzer
Robert Pistono
Frank J. Rahe
Michael A. Snigg
Mike Stone
Sally J. Wechsler
M. William Wengert, Jr.
Thomas A. Wesche
Bill Wichers
Robert W. Wiley
Steven W. Wolff

FLOOD-PLAIN MANAGEMENT

Arthur Anderson
Tom Jewett
John E. Knopp
Barry C. Mountain
Robert W. Rossman
Michael A. Smith
Thomas A. Wesche

FLUID FLOW

Myron B. Allen III

FLUVIAL GEOMORPHOLOGY

Richard L. Daddow

FOREST HYDROLOGY

Dennis H. Knight

FOREST MANAGEMENT

Herbert C. Cottrell

Rex S. Johnson

Daniel J. Perko

FUNGICIDES

Jim Bigelow

GEOCHEMISTRY

Richard L. Daddow

Steve Ingle

W. Stephen Johnson

David Naftz

Katta Jayaram Reddy

GEOGRAPHIC INFORMATION SYSTEMS

Thomas E. Kinney

Larry Martin

James F. Wilson, Jr.

GEOHYDROLOGY

Thomas E. Kinney

GEOMORPHOLOGY

James C. Case

Richard L. Daddow

Larry Dolan

Collin Fallat

Susan Hogg

John E. Knopp

Hugh W. Lowham

Ronald W. Marrs

Richard A. Marston

Paul Meyer

Robert W. Rossman

Karen Spray

A. Mainard Wacker

Thomas A. Wesche

Thomas R. Williams

GEOPHYSICS

Marion L. Maderak

Ronald W. Marrs

GLACIERS

James C. Case
Ronald W. Marrs
Richard A. Marston

GROUND-WATER CONTAMINATION EVALUATION

Marvin A. Crist

GROUND-WATER EXPLORATION

Peter W. Huntoon

GROUNDWATER BACTERIA

John C. Adams

GROUNDWATER HYDROLOGY

Myron B. Allen III
Jack Bedessem
William B. Borchert
Earl Cassidy
Marvin A. Crist
Rick Engelmann
Cliff Franklin
Victor Hasfurther
Peter W. Huntoon
Steve Ingle
Jaye Lunsford
Marion L. Maderak
Larry Martin
P. Stan Mitchem
William F. Sherman
Karen Spray
Richard G. Stockdale
Frank J. Trelease
Jon Wade
Bill Wilson

GROUNDWATER MANAGEMENT

P. Michael Brogan
Larry Martin
Richard G. Stockdale
Jon Wade

GROUNDWATER MODELING

Myron B. Allen III
Marvin A. Crist
Rick Engelmann
Peter W. Huntoon
Steve Ingle

Mohan Reddy Junna
Jaye Lunsford
Larry Martin
Jon Wade

GROUNDWATER QUALITY

Myron B. Allen III
Robert Champlin
LeRoy C. Feusner
Bruce A. Forster
David H. Foster
Susan Hogg
Steve Ingle
W. Stephen Johnson
Bill Locke
Robert Lucht
Marion L. Maderak
Jon Wade
Thomas R. Williams

GROUNDWATER RECHARGE

Victor Hasfurther
Steve Ingle
Jon Wade

GROUNDWATER WELLS/DESIGN

Marvin A. Crist
LeRoy C. Feusner
Steve Ingle
Robert Lucht
P. Stan Mitchem
William F. Sherman
Karen Spray
Richard G. Stockdale
Jon Wade
Thomas R. Williams

HABITAT MODIFICATION

R. Nick Schmal

HAZARDOUS WASTE

David H. Foster
Cliff Franklin
Paul Meyer
Tim Reeves
John P. Turner
Thomas R. Williams

HEALTH AND SAFETY ISSUES OF HAZARDOUS WASTE

LeRoy C. Feusner

HEAVY METALS

Steven P. Gloss
David Naftz
Katta Jayaram Reddy
Stephen E. Williams

HERBICIDES

Jim Bigelow
Cliff Franklin
Steve Miller

HISTORY

Beryl Churchill

HYDRAULIC STRUCTURES

William R. Bailey
Russell Dahlgren
Rick Engelmann
Mohan Reddy Junna
John E. Knopp
Mark Opitz
A. Mainard Wacker
Ghulam Yahya

HYDRAULICS

Russell Dahlgren
Stanley A. Druse
Ted Gilbert
Bill Glass
Victor Hasfurther
Duane D. Klamm
Bill Locke
Hugh W. Lowham
Rebecca L. Mathisen
Alan R. Mauzy
Mark Opitz
James G. Rankl
Frank J. Trelease
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HYDROGEOLOGY

William B. Borchert
James C. Case
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Peter W. Huntoon

Larry Martin
P. Stan Mitchem
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Richard G. Stockdale
Jon Wade
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HYDROLOGIC DATABASES

Barry B. Lawrence

HYDROLOGIC MODELS

William R. Bailey
Richard L. Daddow
Ted Gilbert
Victor Hasfurther
Susan Hogg
Dan Kotansky
Alan R. Mauzy
Steven Strenger
A. Mainard Wacker
Bill Wilson
Ghulam Yahya

HYDROLOGY

Rebecca L. Mathisen

HYDROPOWER

Alan R. Mauzy

ICE

Bill Glass
Gabor Vali

IMPACT ANALYSIS

Thomas C. Collins

INDUSTRIAL WASTE WATER

Edward J. Fanning
LeRoy C. Feusner

INFILTRATION

George W. Hartman
Susan Hogg
Dan Kotansky
James G. Rankl

Tim Reeves

INFORMATION RETRIEVAL/PROCESSING

Ted Gilbert
Margo F. Teague

INSECTICIDES

Jim Bigelow

INSECTS

Allen Binns
Herbert C. Cottrell
Richard L. Kroger
Jeffrey A. Lockwood
Robert Pistono
Howard Rhodes
Everett W. Spackman

INSTITUTIONAL RELATIONSHIPS

Michael A. Carnevale
Thomas D. Crocker
E. Gerald Meyer
Michael K. Purcell

INSTREAM FLOW

State Engineer's Office
Arthur Anderson
Tom Annear
John Baughman
Allen Conder
Dennis C. Cook
Jon A. Erickson
Chris M. Goertler
Jennifer Hager
Wayne A. Hubert
Rebecca L. Mathisen
Mike Stone
M. William Wengert, Jr.
Thomas A. Wesche
Marc Wilcox
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Steven W. Wolff

INSTRUMENTATION

Greg L. Kerr

INTER-AGENCY/GOVERNMENT COOPERATIVE RELATIONS

Joseph Patti, Jr.

INTERSTATE COMPACTS AND COURT DECREES

Gordon W. Fassett
John W. Shields

INVERTEBRATES

Wayne A. Hubert
Kevin M. Johnson
M. William Wengert, Jr.

ION EXCHANGE

David H. Foster
Robert Lucht

IRRIGATION

State Engineer's Office
Donald J. Brosz
Beryl Churchill
Tom Jewett
Duane D. Klamm
Mark Opitz
Paul C. Schwieger
Frank J. Trelease

IRRIGATION SCHEDULING

Donald J. Brosz
Robert D. Burman
Larry Pochop

IRRIGATION STRUCTURES

Donald J. Brosz
Francis A. Carr
Duane D. Klamm
Mark Opitz

IRRIGATION SYSTEMS

Donald J. Brosz
Francis A. Carr
Beryl Churchill
Mohan Reddy Junna
Duane D. Klamm
John E. Knopp
Alan R. Mauzy
John W. Shields

ISOTOPES

David Naftz

JURISDICTIONAL WETLAND DELINEATION

Matthew A. Bilodeau
Dennis L. Blinkhorn
Edwin A. Gooley
R. Nick Schmal

KARST HYDROLOGY

Peter W. Huntoon

LAKES

John Baughman
David J. Dufek
Jon A. Erickson
Steven P. Gloss
Don D. Miller
Melvin Oberholtzer
Michael A. Snigg
Mike Stone
M. William Wengert, Jr.
Robert W. Wiley

LAND APPLICATION OF WASTES

Edward J. Fanning

LAND USE

Ronald W. Marrs
Barry C. Mountain
Joseph Patti, Jr.
Clynn Phillips
Lawrence Robinson
Steven Strenger

LAND USE PLANNING

Collin Fallat

LANDSLIDES

John P. Turner

LEACHING

Earl Cassidy
Dennis H. Knight

LIMNOLOGY

Arthur Anderson
Tom Annear
John Baughman
David J. Dufek
Jon A. Erickson
Steven P. Gloss
Kevin M. Johnson
Jack L. McMillan
Don D. Miller
David A. Peterson
Howard Rhodes
R. Nick Schmal
Mike Stone
M. William Wengert, Jr.
Robert W. Wiley

MARINE RESOURCES

Thomas R. Williams

MARKETING

Rex S. Johnson
Clynn Phillips

MATHEMATICAL MODELS

Robert D. Burman
Bruce A. Forster

MICROCLIMATOLOGY

Paul Meyer
Larry Pochop
William K. Smith

MINING

Rick Engelmann
Susan Hogg
Steve Ingle
Robert Lucht
Larry Martin
Rebecca L. Mathisen
David Naftz
Brian Pruiett
Karen Spray
Mark Squillace
Stephen E. Williams

MOUNTAIN LAKES/STREAMS

John C. Adams

Tom Annear
Matthew A. Bilodeau
Dennis L. Blinkhorn
Richard L. Daddow
David J. Dufek
Jon A. Erickson
Chris M. Goertler
Edwin A. Gooley
Wayne A. Hubert
Greg L. Kerr
Richard A. Marston
Melvin Oberholtzer
Howard Rhodes
Michael A. Smith
William K. Smith
Michael A. Snigg
Mike Stone
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Marc Wilcox
Steven W. Wolff

MULTIPLE-OBJECTIVE PLANNING

John Baughman
Margaret C. Ewing
John W. Jackson
Tom Jewett
Joseph Patti, Jr.
Clynn Phillips
Steven Strenger

MUNICIPAL WATER TREATMENT

G. Alan Edwards
Bill Locke
Stan C. Strom

NEGOTIATING PROCESS

Beryl Churchill

NITROGEN

Dennis H. Knight
William A. Reiners
Stephen E. Williams

NUCLEAR WASTE DISPOSAL

Peter W. Huntton

NUMERICAL ANALYSIS

Myron B. Allen III

NUTRIENTS

Conrad J. Kercher
Dennis H. Knight
William A. Reiners

OIL-WATER INTERFACES

Myron B. Allen III

OIL/HAZARDOUS SUBSTANCE SPILL CLEAN-UP

Jack Bedessem

OPEN CHANNELS

William R. Bailey
Chris Butler
Allen Conder
Stanley A. Druse
Rick Engelmann
Bill Glass
Victor Hasfurther
John E. Knopp
Rebecca L. Mathisen
Alan R. Mauzy
Philip B. McCollam
Mark Opitz
A. Mainard Wacker
Ghulam Yahya

OPERATION RESEARCH

Mohan Reddy Junna

OPTIMIZATION

Thomas D. Crocker

ORGANIC COMPOUNDS

Stephen E. Williams

OXIDATION

Robert Champlin

OZONATION

Jack Bedessem
David H. Foster

PHREATOPHYTES

Dennis H. Knight
William K. Smith

PHYSICAL CHEMISTRY

E. Gerald Meyer

PIPELINE HYDRAULICS

Rebecca L. Mathisen

PLANNING

John W. Jackson
Richard H. Miller
Lawrence Robinson
R. Nick Schmal

PLANT GROWTH

Rollin H. Abernethy
Margaret C. Ewing
Dennis H. Knight
Steve Miller
Michael A. Smith

PLANT-WATER RELATIONSHIPS

Rollin H. Abernethy
Robert D. Burman
Margaret C. Ewing
Dennis H. Knight
Daniel J. Perko
Larry Pochop
William K. Smith

POLICY ANALYSIS

Beryl Churchill
E. Gerald Meyer
Richard H. Miller
Rod S. Miller
Lawrence Robinson

POLLUTION CONTROL

LeRoy C. Feusner

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State Engineer's Office
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Jon A. Erickson
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Richard L. Kroger
Thomas S. Norman
Mark Opitz
Mike Stone
Bill Wichers

POWERPLANTS

Steven P. Gloss
E. Gerald Meyer

PRECIPITATION

William R. Bailey
Chris M. Goertler
Victor Hasfurther
Greg L. Kerr
Gabor Vali
Bill Wilson
Ghulam Yahya

PUBLIC HEALTH

Thomas D. Crocker
Stan C. Strom

PUBLICATIONS/DISTRIBUTION

William B. Borchert
Beryl Churchill

PUMPS

Donald J. Brosz
Robert D. Burman
Robert Lucht
Richard G. Stockdale

RAINFALL

Chris M. Goertler
Gabor Vali

RAINFALL SIMULATION

Larry Dolan

RAINFALL-RUNOFF MODELS

State Engineer's Office
Russell Dahlgren
Ted Gilbert
John E. Knopp
Dan Kotansky
Jaye Lunsford
James G. Rankl
Steven Strenger

RAINFALL-RUNOFF PROCESSES

Jack Bedessem
Margaret C. Ewing
Susan Hogg
Dan Kotansky
Bill Locke
Marion L. Maderak
James G. Rankl
Steven Strenger
Bill Wilson

RANGE MANAGEMENT

William A. Laycock
Rod S. Miller
Joseph Patti, Jr.
Brian Pruiett
Michael A. Smith

RECREATION

Joseph Patti, Jr.
Clynn Phillips
Bill Wichers

REGIONAL PLANNING

Collin Fallat

REMOTE SENSING

James C. Case
Collin Fallat
Peter W. Huntton
Steve Ingle
Thomas E. Kinney
Ronald W. Marrs
Tim Reeves

RESERVOIR MANAGEMENT

John Baughman
Francis A. Carr

David J. Dufek
Gordon W. Fassett
Steven P. Gloss
Wayne A. Hubert
Michael A. Snigg
M. William Wengert, Jr.
Robert W. Wiley
Bill Wilson

RESERVOIR MODELING

Ted Gilbert
Alan R. Mauzy
Frank J. Trelease

REVERSE OSMOSIS

Susan Hogg

RIPARIAN HABITAT REHABILITATION

Thomas C. Collins

RIPARIAN HABITATS IN FORESTED WATERSHEDS

R. Nick Schmal

RIPARIAN VEGETATION/MANAGEMENT

Arthur Anderson
Matthew A. Bilodeau
Dennis L. Blinkhorn
P. Michael Brogan
Chris Butler
Michael A. Carnevale
Thomas C. Collins
Richard L. Daddow
David J. Dufek
Margaret C. Ewing
Edwin A. Gooley
Dennis H. Knight
Richard L. Kroger
Don D. Miller
Rod S. Miller
Melvin Oberholtzer
Daniel J. Perko
Michael A. Smith
Thomas A. Wesche

RISK MANAGEMENT/ANALYSIS

Thomas D. Crocker
LeRoy C. Feusner

E. Gerald Meyer
A. Mainard Wacker

RIVER BEDS

Richard A. Marston

RIVER-BASIN DEVELOPMENT

James C. Case
John W. Jackson
Tom Jewett
Richard A. Marston
Frank J. Trelease

RIVERS

State Engineer's Office
Tom Annear
Matthew A. Bilodeau
Allen Binns
Dennis L. Blinkhorn
Allen Conder
Richard L. Daddow
David J. Dufek
Jon A. Erickson
Edwin A. Gooley
Wayne A. Hubert
James E. Kircher
Hugh W. Lowham
Richard A. Marston
Robert Pistono
Paul C. Schwieger
Karen Spray
Mike Stone
M. William Wengert, Jr.
Robert W. Wiley
Steven W. Wolff

RUNOFF

State Engineer's Office
Ted Gilbert
Greg L. Kerr
Dan Kotansky
Hugh W. Lowham
Rebecca L. Mathisen
James G. Rankl
Steven W. Wolff

SALINE SOILS

Paul Meyer

Steven Strenger

SALINE-FRESHWATER INTERFACES

Dan Kotansky

SALINITY

Tom Jewett
Lawrence Robinson
John W. Shields

SANITARY LANDFILLS

Chris Butler
Cliff Franklin

SATURATED FLOW

Myron B. Allen III
Tim Reeves

SCOUR AND EROSION

A. Mainard Wacker

SEDIMENT TRANSPORT

Marc Wilcox

SEDIMENTATION

P. Michael Brogan
Richard L. Daddow
Larry Dolan
Wayne A. Hubert
James E. Kircher
Marion L. Maderak
P. Stan Mitchem
Robert W. Rossman
Thomas A. Wesche
Bill Wilson

SEED GERMINATION

Rollin H. Abernethy

SEISMICITY

James C. Case

SEPTIC TANKS

Jack Bedessem
Thomas S. Norman
Lawrence Robinson

SEWER SYSTEMS

G. Alan Edwards
Thomas S. Norman
Lawrence Robinson
Ghulam Yahya

SLOPE STABILITY

James C. Case

SLUDGE

Edward J. Fanning

SNOW, ICE, AND FROST

Ted Gilbert
William A. Laycock
Ronald W. Marrs
Daniel J. Perko
William A. Reiners
William K. Smith

SOIL CHEMISTRY

Earl Cassidy
George W. Hartman
Katta Jayaram Reddy
William A. Reiners

SOIL CONSERVATION

Collin Fallat

SOIL ENGINEERING

Russell Dahlgren

SOIL MICROBIOLOGY

George W. Hartman
Stephen E. Williams

SOIL PHYSICS

Earl Cassidy
George W. Hartman
Paul Meyer

James G. Rankl
Tim Reeves

SOIL SURVEY

Steven Strenger

SOIL-WATER RELATIONSHIPS

Earl Cassidy
Edward J. Fanning
George W. Hartman
Duane D. Klamm
Paul Meyer
Katta Jayaram Reddy
Tim Reeves
William K. Smith
John P. Turner
Stephen E. Williams

SOLUTE TRANSPORT

Myron B. Allen III
James F. Wilson, Jr.

STATISTICS

Mark S. Boyce
W. Stephen Johnson
Thomas E. Kinney
Hugh W. Lowham
Tim Reeves
M. William Wengert, Jr.

STOCHASTIC HYDROLOGY

William R. Bailey
W. Stephen Johnson
John E. Knopp

STOCHASTIC PROCESSES

Hugh W. Lowham

STREAM CLASSIFICATION

Richard L. Daddow
R. Nick Schmal
Marc Wilcox

STREAM HABITAT ECOLOGY

R. Nick Schmal

STREAM HABITAT IMPROVEMENT

Allen Binns
Robert Pistono

STREAMBANK STABILIZATION TECHNIQUES

Allen Binns
Robert Pistono

STREAMS AND STREAMFLOW

Tom Annear
John Baughman
Allen Binns
P. Michael Brogan
Larry Dolan
Stanley A. Druse
Jon A. Erickson
Ted Gilbert
Bill Glass
Chris M. Goertler
Victor Hasfurther
Kevin M. Johnson
Greg L. Kerr
Hugh W. Lowham
Marion L. Maderak
Richard A. Marston
Rebecca L. Mathisen
Philip B. McCollam
Don D. Miller
Robert Pistono
James G. Rankl
Robert W. Rossman
Paul C. Schwieger
Michael A. Snigg
Karen Spray
Thomas A. Wesche
Robert W. Wiley
Bill Wilson
James F. Wilson, Jr.
Steven W. Wolff

SUBSIDENCE

James C. Case
John P. Turner

SUBSURFACE DRAINAGE

Tom Jewett
Mohan Reddy Junna

P. Stan Mitchem
William F. Sherman
John P. Turner

SURFACE DRAINAGE

Chris M. Goertler
Barry C. Mountain
Ghulam Yahya

SURFACE GEOLOGY

George W. Hartman

SURFACE WATER/GROUND WATER INTERRELATIONSHIPS

Karen Spray

SURFACE-WATER HYDROLOGY

James F. Wilson, Jr.

SUSPENDED SEDIMENTS

P. Michael Brogan
Chris Butler
Larry Dolan
Rick Engelmann
James E. Kircher

SYNTHETIC HYDROLOGY

A. Mainard Wacker

SYSTEMS ENGINEERING

Mohan Reddy Junna

TIDELANDS

Richard L. Kroger

TIME OF TRAVEL AND DISPERSION

James F. Wilson, Jr.

TIME-SERIES ANALYSIS

Mark S. Boyce

TOXIC SUBSTANCES

James C. Case

LeRoy C. Feusner
Cliff Franklin
Steven P. Gloss
Paul Meyer
Stephen E. Williams

UNSATURATED FLOW

Myron B. Allen III
Tim Reeves

URBAN HYDROLOGY

William R. Bailey
Jaye Lunsford
Marion L. Maderak
Rebecca L. Mathisen
Barry C. Mountain
James G. Rankl
Frank J. Trelease
A. Mainard Wacker
Ghulam Yahya

URBAN PLANNING

Collin Fallat

WASTE DISPOSAL

Jack Bedessem
Edward J. Fanning
LeRoy C. Feusner
Bill Locke
Tim Reeves

WASTEWATER

G. Alan Edwards

WASTEWATER IRRIGATION

Donald J. Brosz
Edward J. Fanning

WASTEWATER TREATMENT

Jack Bedessem
G. Alan Edwards
Bill Locke
Thomas S. Norman

WATER AUGMENTATION

Herbert C. Cottrell

WATER BUDGET STUDIES

Jaye Lunsford

WATER CHEMISTRY

Steven P. Gloss
David Naftz
William A. Reiners

WATER EDUCATION

Vince Sindt

WATER HARVESTING

Daniel J. Perko

WATER LAW

Dennis C. Cook
Thomas J. Davidson
Gordon W. Fassett
Jennifer Hager
John W. Shields
Mark Squillace

WATER PROJECT CONSTRUCTION CONTRACTING

Barry C. Mountain

WATER QUALITY

John C. Adams
Chris Butler
Richard L. Daddow
Gordon W. Fassett
LeRoy C. Feusner
Cliff Franklin
W. Stephen Johnson
Conrad J. Kercher
Robert Lucht
David Naftz
Thomas S. Norman
Katta Jayaram Reddy
Lawrence Robinson
Mike Stone
Steven Strenger
A. Mainard Wacker
Bill Wilson

WATER RESOURCES DEVELOPMENT

Beryl Churchill
Rebecca L. Mathisen
Alan R. Mauzy
Clynn Phillips
Michael K. Purcell
Paul C. Schwieger

WATER RESOURCES PLANNING

Arthur Anderson
Chris Butler
Michael A. Carnevale
James C. Case
Beryl Churchill
Ted Gilbert
John W. Jackson
James E. Kircher
Ronald W. Marrs
Alan R. Mauzy
Mark Opitz
Clynn Phillips
Michael K. Purcell
Lawrence Robinson
Mike Stone
Frank J. Trelease
Jon Wade

WATER RIGHTS

State Engineer's Office
Donald J. Brosz
Robert D. Burman
Francis A. Carr
Dennis C. Cook
Thomas J. Davidson
Gordon W. Fassett
Cliff Franklin
Jennifer Hager
Thomas E. Kinney
Robert Lucht
Larry Martin
Alan R. Mauzy
Paul C. Schwieger
John W. Shields
Richard G. Stockdale
Frank J. Trelease

WATER TREATMENT

John C. Adams
Jack Bedessem
Robert Champlin
G. Alan Edwards

Rick Engelmann
Bill Locke
Thomas S. Norman
Stan C. Strom

WATER YIELD AUGMENTATION

Marc Wilcox

WATER-QUALITY CONTROL

Jack Bedessem
Michael A. Carnevale
Robert Champlin

WATER-QUALITY MANAGEMENT

Michael A. Carnevale
Herbert C. Cottrell
G. Alan Edwards
Edward J. Fanning
Robert W. Rossman

WATER-QUALITY MODELING

David Naftz
Katta Jayaram Reddy

WATER-QUALITY MONITORING

P. Michael Brogan
Robert Champlin
Edward J. Fanning
W. Stephen Johnson
Bill Locke
Marion L. Maderak
David A. Peterson
Robert W. Rossman

WATER-QUALITY STANDARDS

Michael A. Carnevale
Robert Champlin
Lawrence Robinson

WATER-TREATMENT FACILITIES

Robert Champlin
Thomas S. Norman
Stan C. Strom

WATER-USE DATA

Gordon W. Fassett
John W. Shields
Margo F. Teague

WATER-USE EFFICIENCY

Donald J. Brosz
Gordon W. Fassett

WATER-USE MONITORING

Robert D. Burman
Gordon W. Fassett

WATERBORNE DISEASES

Stan C. Strom

WATERBORNE PARASITES

William R. Jolley
Stan C. Strom

WATERFOWL BIOLOGY

Mark S. Boyce

WATERSHED IMPROVEMENT PRACTICES

Michael A. Carnevale
Herbert C. Cottrell
Margaret C. Ewing
Edward J. Fanning
Rex S. Johnson
Brian Pruiett
Robert W. Rossman
Michael A. Smith
Thomas A. Wesche
Robert W. Wiley
Thomas R. Williams

WATERSHED MANAGEMENT

Arthur Anderson
P. Michael Brogan
Chris Butler
Herbert C. Cottrell
Margaret C. Ewing
Edward J. Fanning
Chris M. Goertler
Susan Hogg
Tom Jewett
Rex S. Johnson

Dennis H. Knight
Dan Kotansky
Paul Meyer
Joseph Patti, Jr.
Brian Pruiett
Robert W. Rossman
Michael A. Smith
Steven Strenger
Thomas A. Wesche
Bill Wilson

WEATHER MODIFICATION

Gordon W. Fassett
John Marwitz
Gabor Vali

WEATHER-DATA COLLECTION

Larry Dolan
Cliff Franklin
Greg L. Kerr
Larry Pochop

WEEDS

Steve Miller

WELL HYDRAULICS

Victor Hasfurther
Richard G. Stockdale

WETLAND ECOLOGY

Matthew A. Bilodeau
Dennis L. Blinkhorn
Mark S. Boyce
Edwin A. Gooley

WILDLIFE MANAGEMENT

Arthur Anderson
Mark S. Boyce
Thomas C. Collins
Chris M. Goertler
Edwin A. Gooley
Richard L. Kroger
William A. Laycock
Joseph Patti, Jr.
Michael A. Smith

WATER EXPERTS INDEX

Rollin H. Abernethy
Associate Professor of Plant Science
University of Wyoming
Dept. of Plant, Soil and Insect Science
P.O. Box 3354, University Station
Laramie, WY 82071
(307) 766-3356

Plant biologist with emphasis on seed physiology/molecular biology. Research on seed metabolic processes during development and germination under environmental stresses, including water, salinity and temperature.

John C. Adams
Professor of Microbiology
University of Wyoming
Molecular Biology
P.O. Box 3944, University Station
Laramie, WY 82071
(307) 766-3218

The toxicity to and biodegradation by microorganisms of synfuel process waters. The microbiology of high mountain watersheds. The microbial ecology of various waters. The causes, early detection and treatment of tastes and odors in drinking water. The microbiology of drinking water particularly during distribution. The effects of the use of ozone on organics and bacteria in drinking water. The causes and control of microbial plugging of water wells.

Myron B. Allen III
Associate Professor
University of Wyoming
Department of Mathematics
P.O. Box 3036, University Station
Laramie, WY 82071
(307) 766-4221

Numerical methods for simulating underground flows, especially multi-fluid flows in groundwater aquifers or petroleum reservoirs. Physics of multiphase flows in porous media. Utilization of advanced computer architectures for large-scale numerical tasks required in subsurface flow models.

Arthur Anderson
Acting State Supervisor
U.S. Fish and Wildlife Service
2120 Capitol Avenue
Room 7010
Cheyenne, WY 82001
(307) 772-2374

Fish and Wildlife Biologist. Expertise in environmental review, riparian ecosystems, reservoir and cold-water fisheries, wetlands, watershed management, instream flow determination and wildlife management, especially waterfowl, raptors, and migratory birds. Research interests include riparian protection and re-establishment.

Tom Annear
Fisheries Biologist
Wyoming Game and Fish Department
5400 Bishop Blvd
Cheyenne, WY 82002
(307) 777-7686

Instream flow crew supervisor for Wyoming Game and Fish Department. Coordinate data collection and analysis to support filings for instream flow water rights. Conduct aquatic impact assessments on projects that will affect streams with fisheries. Provide minimum pool recommendations for proposed reservoirs.

William R. Bailey
Principal Hydraulic Engineer
Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82002-9019
(307) 777-4050

Specialization in highway drainage structures such as bridges, culverts, storm drains and irrigation drainage.

John Baughman
Fisheries Management Coordinator
Wyoming Game and Fish Department
5400 Bishop Boulevard
Cheyenne, WY 82002
(307) 777-7686

Research capabilities in all aspects of fisheries management, sport fisheries recreation.

Jack Bedessem
Southwest District Supervisor
Department of Environmental Quality
Water Quality Division
210 Lincoln Street
Lander, WY 82520
(307) 332-3144

Review construction plans, inspect operation and maintenance of water, wastewater treatment and disposal systems for compliance with State Water Quality Regulations. Investigate and manage clean up of oil/hazardous material, pollution discharges to surface and groundwater in accordance with State and Federal regulations. Coordinate and provide technical assistance to public, local planners, municipalities and industry (i.e. mining, oil and gas, small business).

Jim Bigelow
Manager, Technical Services
Wyoming Department of Agriculture
2219 Carey Ave.
Cheyenne, WY 82002-0100
(307) 777-6590

Background specializing in use of agricultural chemicals (pesticides and fertilizers), methods of application, environmental restrictions, and leaching capability in regard to ground-water contamination. Regulatory experience in storage, transportation, distribution and use of agricultural chemicals (federal/state laws and regulations.)

Matthew A. Bilodeau
Wyoming Field Office Manager
U.S. Army Corps of Engineers
Federal Building, Room 8007
2120 Capitol Avenue
Cheyenne, WY 82001
(307) 772-2300

Administration of the Corps regulatory program in Wyoming as authorized by Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Wyoming field office manager with overall responsibility for Corps regulatory program in Wyoming. Point of contact for regulated activities in the eastern half of the state.

Allen Binns
Aquatic Habitat Supervisor
Wyoming Game and Fish Department
P.O. Box 342
Lander, WY 82520
(307) 332-2688

In charge of stream management work for the Game and Fish Department.
Enhancement of stream systems through fisheries management, bank
stabilization and habitat improvement measures.

Dennis L. Blinkhorn
Project Manager
U.S. Army Corps of Engineers
Federal Building, Room 8007
2120 Capitol Avenue
Cheyenne, WY 82001
(307) 772-2300

Administration of the Corps regulatory program in Wyoming as
authorized by Section 10 of the Rivers and Harbors Act and Section 404
of the Clean Water Act. Evaluates and processes permit applications
in the state of Wyoming.

William B. Borchert
Supervisory Hydrologist
U.S. Geological Survey
Water Resources Division
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2734

Report specialist for the Wyoming District, WRD, assists authors with
planning and preparation of reports and illustrations. Responsible
for evaluation of overall quality of reports and for their preparation
for publication.

Mark S. Boyce
Professor of Zoology
University of Wyoming
Department of Zoology and Physiology
P.O. Box 3166, University Station
Laramie, WY 82071-3166
(307) 766-5373

Population biology, particularly of vertebrates. Experience with aquatic furbearers including beaver, muskrats and mink. Also research experience with waterfowl, cranes and other aquatic birds. General interests in population biology, wetlands ecology and management, and ecosystem modelling.

P. Michael Brogan
Hydrologist
Bureau of Land Management
Casper District Office
1701 East "E" Street
Casper, WY 82601
(307) 261-5564

Administration of water resources associated with public lands and federal natural resources actions. Areas of expertise include surface water, water quality, some groundwater, sediment, and watershed rehabilitation. Research interests in water quality (primarily dissolved and total sediment), water yield augmentation, water management, erosion/sedimentation, hydrology and impacts associated with coal mining.

Donald J. Brosz
Extension Specialist-Irrigation Engineer
University of Wyoming
Department of Agricultural Engineering
P.O. Box 3295, University Station
Laramie, WY 82071
(307) 766-4398

Associate Director of the Wyoming Water Research Center and Extension Irrigation Engineer with the Wyoming Cooperative Extension Service. Conduct water resource management seminars, informational meetings and field tours for Wyoming Water Interest Groups - citizens, state and federal agencies, legislators and others. Work closely with citizen water organizations, state and federal agencies and University of Wyoming researchers in coordinating and conducting water resource education programs.

Robert D. Burman
Professor of Agricultural Engineering
University of Wyoming
College of Agricultural Engineering
P.O. Box 3295, University Station
Laramie, WY 82071
(307) 766-4395

Author or co-author on many publications dealing with irrigation water requirements. Principal investigator on research projects funded by the Denver Water Board, Wyoming Water Research Center, the Wyoming Water Development Commission and the Bear River Commission regarding high altitude water consumption. Recently finished and currently active in writing chapters and books on water requirements. Have been engaged in teaching and research at Wyoming for the past 30 years. Have been active in private consulting in water supply problems. Currently active in American Society of Agricultural Engineers and American Society of Civil Engineers. Co-editor of a new manual on crop water requirements for ASCE.

Chris Butler
Hydrologist
Bureau of Land Management
Rock Springs District Office
Box 1869
Rock Springs, WY 82901
(307) 382-5350

Emphasis of work includes channel dynamics, riparian management, and water quality monitoring as they relate to grazing, forestry, and oil and gas exploration. Groundwater protection as it pertains to placement of sanitary landfills and other disposal facilities. Past experience involved research on buffer strip width, snowfall redistribution and air quality.

Michael A. Carnevale
Planning & Nonpoint Pollution Ctrl Supervisor
Department of Environmental Quality
Water Quality Division, Herschler Bldg
4th Floor, West Wing
Cheyenne, WY 82002
(307) 777-7781

Supervise the planning and non-pollution control section of the Water Quality Division of the Wyoming Department of Environmental Quality. The section is responsible for coordinating EIS reviews, providing water quality certification for 404 permits, planning activities under Section 208 and 319 of the Federal Clean Water Act, assessment of waste load capacities, land application of wastewaters, and preparation of inter-governmental agreements.

Francis A. Carr
Adjudication Officer
State Engineer's Office
Board of Control
Herschler Building, 4th Floor East
Cheyenne, WY 82002
(307) 777-6177

Water rights and water right research. Board of Control procedures. Change of use. Adjudication of water rights.

James C. Case
Head of Geologic Hazards Division
Geological Survey of Wyoming
Box 3008
University Station
Laramie, WY 82071
(307) 766-2286

Research on naturally occurring toxic elements in bedrock with data on occurrence in water (selenium, radon, etc.). Primary expertise in geologic hazards to include slope stability, active faults- earthquakes, mine subsidence, shrinking-swelling clays, and toxic elements. Manage Geological Survey of Wyoming hydrogeologic data base, remote sensing lab, and Geologic Hazards Division. Past experience includes developing river resource management plans for the upper Mississippi River.

Earl Cassidy
Hydrologist
U.S. Geological Survey
2120 Capitol Avenue
Cheyenne, WY 82001
(307) 772-2720

Groundwater exploration, hydrogeology, and water-resources management in developing countries. Center pivot irrigation and water use in arid environments including the management and reclamation of saline and sodic soils. Soil chemistry, soil physics, and soil-water-crop interactions, water chemistry and water quality.

Robert Champlin
Professor of Civil Engineering
University of Wyoming
Department of Civil Engineering
P.O. Box 3295, University Station
Laramie, WY 82071
(307) 766-4116

Research on water quality parameters, methods of water treatment for meeting various uses (municipal drinking water, industrial process water, etc.). Educational consultant for management, design and operations in the drinking water field and industrial process water area.

Beryl Churchill
Commissioner
Wyoming Water Development Commission
Rt. 3, 848 Rd 10
Powell, WY 82435
(307) 754-4865

Actively involved in the management of an 850-acre family farm near Powell. She is Division III commissioner for the Wyoming Water Development Commission. She was a member of the Governor's negotiating team on the Buffalo Bill Dam modification agreement which was the nation's first state-federal government, cost/revenue sharing agreement. She is author of three books on the history of the Shoshone Reclamation Project. Her most recent effort "The Dam Book", deals with the construction history of Buffalo Bill, Corbett and Willwood Dams.

Thomas C. Collins
Project/Staff Manager
Wyoming Industrial Siting Administration
Third Floor, Barrett Building
2301 Central Avenue
Cheyenne, WY 82002
(307) 777-7156

Former assistant professor, Penn State University, where developed/taught courses in wildlife management and floodplain ecology. Five years National Park Service research on Snake River floodplain (Wyoming), research contracts for vegetation typing of Salmon River floodplain (Salmon National Forest, Idaho). Developed riparian management plan for special management area, Salmon River, Idaho. Numerous riparian habitat improvement projects (design and administration) in Wyoming and Idaho. Particular specialization in beaver ecology and evaluation of effects of industrial developments on riparian habitats. Research interests, impact analysis/mitigation, aquatic mammals, riparian rehabilitation.

Allen Conder
Fishery Biologist
Wyoming Game and Fish Department
2800 Pheasant Drive
Casper, WY 82601
(307) 234-9185

Conducted various aquatic impact analyses for water development. Analyses included analysis of fish habitat gains and/or losses, mitigation for losses, development of instream flow recommendation based on hydraulic, hydrologic and fisheries data, and recommendation for minimum pools in reservoirs.

Dennis C. Cook
Senior Assistant Attorney General
Attorney General's Office
123 Capitol Building
Cheyenne, WY 82002
(307) 777-7824

Senior Assistant Attorney General for the State of Wyoming specializing in water law and related matters that include water development, interstate water disputes, federal/state relations, etc. Currently, counsel of record for the State of Wyoming in the dispute over the meaning of the "North Platte Decree" between Wyoming and Nebraska now pending before the Supreme Court of the United States.

Herbert C. Cottrell
Assistant State Forester-Forest Mgmt
Wyoming State Forestry Division
1100 West 22nd Street
Cheyenne, WY 82002
(307) 777-7586

Water quantity and quality as they relate to forest management.

Marvin A. Crist
Hydrologist
U.S. Geological Survey
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2721

Studied the ground-water systems in Goshen, Laramie, Natrona and Niobrara counties and in the Wheatland Flats area in Platte County including ground-water models in all these areas except Natrona County.

Thomas D. Crocker
Professor of Economics
University of Wyoming
Department of Economics
P.O. Box 3985, University Station
Laramie, WY 82071
(307) 766-6423

Economic valuation of ecosystems, reciprocities between economies and ecosystems, benefit-cost analysis.

Richard L. Daddow
Forest Hydrologist
Shoshone National Forest
225 W. Yellowstone Ave
Cody, WY 82414
(307) 527-6241

Watershed management specialist for the Shoshone National Forest. Have overall technical responsibility for the hydrology and soils management programs on the forest. Expertise and technical interests include hydrology and soils-related best management practices applied to timber harvesting, range management, and road construction projects, evaluation and quantification of channel maintenance (instream) flow requirements, water quality monitoring of wildland hydrologic systems, rehabilitation plan development for exploratory oil and gas well sites and access roads, and sediment transport processes, fluvial geomorphology, and stream classification of wildland stream channels.

Russell Dahlgren
Assistant Safety of Dams Engineer
State Engineer's Office
Herschler Building
4th Floor East
Cheyenne, WY 82002
(307) 777-6154

Evaluate for the State Engineer's Office the many aspects associated with Dam Safety including foundation, embankment, outlet works, spillway capacity, etc. Inspection of dams and related construction activities associated with dam construction and safety of the dam.

Thomas J. Davidson
Assistant Attorney General
Attorney General's Office
123 Capitol Building
Cheyenne, WY 82002
(307) 777-7841

Assistant Wyoming Attorney General specializing in water law and related matters. Principally responsible for representation of the Wyoming Water Development Commission.

Larry Dolan
Research Associate
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-2143

Geomorphology and surface water hydrology as applied to erosion, and sediment transport and deposition. Expertise in field data collection and data analysis.

Stanley A. Druse
Hydrologist
U.S. Geological Survey
Water Resources Division
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2712

Specialization in surface water hydrology and hydraulics, particularly in the operation of streamflow monitoring stations and indirect determinations of flood discharge and water-surface profiles.

David J. Dufek
Area Fisheries Supervisor
Wyoming Game and Fish Department
260 Buena Vista
Lander, WY 82520
(307) 875-3223

The primary area of expertise and interest is Fisheries Management. Most of the work has involved a large reservoir and river. Work includes population studies, habitat evaluation, water quality monitoring and harvest studies. Also involved with the protection of fisheries habitat from man associated impacts. This involves working with several federal, state and local governmental groups.

G. Alan Edwards
Natural Resource Analyst
State Planning Coordinator's Office
Herschler Building, 2nd Floor East
122 West 25th Street
Cheyenne, WY 82002
(307) 777-7574

Experience in policy issues associated with natural resource management and analysis.

Rick Engelmann
Technical Support Group Supervisor
Department of Environmental Quality
3rd Floor West
Herschler Building
Cheyenne, WY 82002
(307) 777-7066

Technical Support Supervisor for the Land Quality Division, Wyoming DEQ. Manage permitting and technical analysis of major mining projects in the state. Such work includes analysis of water related issues (surface and subsurface water quality and quantity, water treatment, erosion, sedimentation), as well as soils, vegetation, and ground stability issues. Professional background and interests include groundwater hydrology, surface water structures, water treatment, and geotechnical engineering.

Jon A. Erickson
Area Fisheries Supervisor
Wyoming Game and Fish Department
P.O. Box 1054
Jackson, WY 83001
(307) 733-2321

Supervise a variety of activities in fisheries and fish resource management and research in the Snake River Drainage. Emphasis is toward maintenance of wild populations of Snake River cutthroat trout. Special interest in stream habitat restoration involving rejuvenation of natural spawning gravels, placement of commercial gravels for spawning, improving habitat types related to increased numbers of juvenile and adult trout.

Margaret C. Ewing
Forester/Soil Scientist
Shoshone National Forest
Wind River Ranger District
P.O. Box 186
Dubois, WY 82513
(307) 455-2466

Watershed Management of Forested Ecosystems—planning, administration and application of watershed improvement practices. Minimization of non-point source pollution. Management of riparian ecosystem components for perpetuation of vegetation, wildlife and water quality. Best management practices in Forested Ecosystems. Revegetation of high altitude areas.

Collin Fallat
Natural Resources Specialist
Wyoming Department of Agriculture
2219 Carey Avenue
Cheyenne, WY 82002
(307) 777-7321

Background in environmental analysis and land use planning. Special interests in natural resource relationships to land use planning. Experience in siting analysis, remote sensing and 201 and 208 water quality programs.

Edward J. Fanning
Water Quality Soil Specialist
Department of Environmental Quality
Water Quality Division
Herschler Building, 4th Floor, West Wing
Cheyenne, WY 82002
(307) 777-7074

Assists the Water Quality Division of the Wyoming Department of Environmental Quality with range watershed improvement evaluation and management, land application of sludge and wastewaters, non-point sources of pollution evaluation and control and related aspects of water quality associated with land treatment.

Gordon W. Fassett
State Engineer
State Engineer's Office
Herschler Building
4th Floor East
Cheyenne, WY 82002
(307) 777-7354

The State Engineer is the Chief administrator of Wyoming's waters. The Wyoming Constitution provided for the administration of the State's water by establishing the position of the State Engineer and the Board of Control to supervise the appropriation, distribution and diversion of waters of the state. The Board hears and decides questions relating to abandonment and other water problems. The State Engineer issues permits for the use of water and, directly and through the Superintendents and water commissioners, administers the laws of the state with respect to all uses of water. He has specific power set out in the law to decide various questions and matters concerning unadjudicated water rights. The State Engineer is Wyoming's member on interstate river compact commissions, multi-state, water-related associations and is an advisor to the Water Development Commission.

LeRoy C. Feusner
Oil & Hazardous Substances Response Sup.
Department of Environmental Quality
Water Quality Division
Herschler Building, 4 West
Cheyenne, WY 82002
(307) 777-7781

Responsible for state oil and hazardous substances spill response program. Experience includes expertise on spill containment, removal and disposal aspects, representation of state on EPA Regional Response Team concerning RCRA, CERCLA, SARA and CWA issues, reviewing of environmental risk assessment documents and providing agency management with recommended toxic substances control concentrations for human, aquatic, and wildlife exposures, and managing agency occupational health and safety program.

Bruce A. Forster
Professor of Economics
University of Wyoming
Economics Department
P.O. Box 3985, University Station
Laramie, WY 82071
(307) 766-4856

Member of USEPA Peer Review Panel (1982) for Acid Rain Research Program, Consultant on Acid Rain for Environment Canada, Agriculture Canada, Canada Department of Fisheries and Oceans, the Ontario Ministry of the Environment, and Work Group I of the US-Canada Memorandum of Intent on Transboundary Air Pollution. Research interest in environmental economics, mathematical modelling of interrelationships between economic and ecological/environmental systems, impact assessment of acid rain, impact assessment of groundwater contamination.

David H. Foster
Associate Professor
University of Wyoming
Department of Civil Engineering
P.O. Box 3295, University Station
Laramie, WY 82071
(307) 766-4242

Treatment of reservoir water for removal of tri-halogenated methane precursors. The removal of THMFP, geosmin, and bacteria by preozonation of algal laden waters is being studied. Pollutant release to the atmosphere by evaporation of oil shale retort waters. Also studying the biodegradation of ammonia stripped retort waters in activated carbon columns. Generally interested in biological effects occurring in sorbers (ion exchange, activated carbon).

Cliff Franklin
Hydrologist
Bureau of Land Management
Wyoming State Office
2515 Warren Ave.
Cheyenne, WY 82003
(307) 772-2079

Operational experience geared toward addressing impacts on water quality, water flow, stream dynamics, etc., from a variety of land use actions on public land in the Northwest Coastal area to the Southwest Desert Area. Groundwater quality impact assessment from existing sanitary landfills and other potential groundwater pollution sources.

Ted Gilbert
Water Supply Specialist/Hydraulic Engr
Soil Conservation Service
100 East B Street
Room 3124
Casper, WY 82601
(307) 261-5432

Familiar with all USDA-Soil Conservation Service hydrology procedures and models. Familiar with the snow survey network of both remote and manual sites in Wyoming and Western States.

Bill Glass
Supervisory Hydrologist
U.S. Geological Survey
Water Resources Division
2020 Fairgrounds Road
Casper, WY 82604
(307) 261-5486

Participation in and supervision of streamflow data-collection activities. Activities include installation and operation of equipment and subsequent computations to obtain continuous records of streamflow stage and discharge, obtaining water quality and sediment samples, and indirect determinations of flood discharge and water-surface profiles.

Steven P. Gloss
Director
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-2143

Administration of research, teaching, extension, and service programs of the Wyoming Water Research Center. Facilitation of multidisciplinary approaches to water resources issues problem solving. Personal research interests in impacts of water development and man's activities on aquatic ecosystems: fisheries, water quality, habitat alteration.

Chris M. Goertler
Research Associate II
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-2546

Acquisition, organization and processing of precipitation, streamflow, temperature, humidity, wind speed and wind direction data within many Wyoming Water Research Center research project areas, including the Snowy Range Observatory. Sediment sampling and fish habitat modeling. Primary research involves the identification and quantification of impacts to water, wildlife and vegetation due to industrial activity and consequently the derivation of mitigation methods which help minimize or alleviate all negative impacts.

Edwin A. Gooley
Environmental Resource Specialist
U.S. Army Corps of Engineers
P.O. Box 809
Riverton, WY 82501
(307) 856-5283

Administration of the Corps regulatory program in Wyoming as authorized by Section 10 of the Rivers and Harbors Act and Section 404 of the Clean Water Act. Point of initial contact for regulated activities in the western half of the state.

Jennifer Hager
Assistant Attorney General
Attorney General's Office
123 Capitol Building
Cheyenne, WY 82002
(307) 777-7824

Assistant Attorney General representing the State Engineer's Office.
Primary responsibility and interest in water law.

George W. Hartman
State Soil Scientist
Soil Conservation Service
100 East B Street
Room 3124
Casper, WY 82601
(307) 261-5208

Familiar with all USDA-Soil Conservation Service programs in the field of soil surveys, soil classification and correlation, soil interpretations, soil salinity, soil sampling, soil erosion, soil-range site correlation, soil-geomorphic relationships, hydric soils, soil drainage, prime farmland, soil productivity, soil-plant relationships and land capability classification systems.

Victor Hasfurther
Professor of Civil Engineering
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-2143

Associate Director of Wyoming Water Research Center, review and coordinate research activities of the Center on state, regional and national projects, interact on many interdisciplinary research projects in the water resources area. Primary interests lie in the general areas of hydraulics and hydrology with main interests in surface watershed hydrology and open channel flow. Expertise in groundwater hydrology, pipe flow, earth dam analysis, ground and surface water modeling, data acquisition, evaporation and evapotranspiration, mine land reclamation, and stream channel maintenance.

Susan Hogg
MOER/Chief Hydrologist
Department of Environmental Quality
Land Quality Division
Herschler Building, 3rd Floor
Cheyenne, WY 82002
(307) 777-7756

Supervise 4-5 hydrologists involved with permit review and evaluation of hydrologic control facilities associated with all types of mining operations. Coordinate mine permitting for all types of in-situ mining. Supervise review of reclamation and hydrologic restoration associated with mining. Areas of interest include groundwater restoration, reclaimed channel design, surface and subsurface hydrologic modelling, and geomorphology.

Wayne A. Hubert
Assistant Leader
University of Wyoming
Wyoming Coop. Fish & Wildlife Res. Unit
P.O. Box 3166, University Station
Laramie, WY 82071
(307) 766-5415

Research has focused on fishery habitat management in streams, rivers and reservoirs with warmwater, coolwater and coldwater fish species. Work has also been done with population dynamics, user evaluations, and aquaculture problems in fisheries management.

Peter W. Huntton
Professor
University of Wyoming
Department of Geology and Geophysics
P.O. Box 3006, University Station
Laramie, WY 82071
(307) 766-5316

Ground-water prospecting and well site selection, nuclear waste disposal, structural geologic controls for ground water circulation, aquifer mechanics digital modeling of aquifer systems, structural geology of the Colorado Plateau and Wyoming Foreland Provinces, gravity tectonics including salt structures, Karst hydrogeology, aerial photographic interpretation in geology and hydrogeology.

Steve Ingle
Hydrologist
Department of Environmental Quality
Land Quality Division
Herschler Building
Cheyenne, WY 82002
(307) 777-7064

Review of various types of pollution control or wastewater treatment facilities such as pumpback systems, sediment control facilities and groundwater restoration programs as they relate to mining activities.

John W. Jackson
Water Resources Planning Manager
Wyoming Water Development Commission
Herschler Building
3rd Floor, East Wing
Cheyenne, WY 82002
(307) 777-7626

Fourteen years of experience in water resources and water project planning acquired with the Water Planning Program of the State Engineer's Office and the Wyoming Water Development Commission.

Tom Jewett
Assistant State Conservationist
Soil Conservation Service
100 East 'B' Street
Federal Building, Room 3124
Casper, WY 82601
(307) 261-5210

Familiar with all USDA-Soil Conservation administered programs. Program leadership responsibility for the Great Plains Conservation, Small Watershed, Emergency Watershed Protection, River Basin Study, Salinity, Clean Waters Act, Resource Conservation and Development, Snow Survey, and Rural Abandoned Mine Reclamation Programs of the SCS in Wyoming.

Kevin M. Johnson
Fisheries Biologist
Wyoming Game and Fish Department
351 Astle Avenue
Green River, WY 82935
(307) 875-3223

Primary expertise and interest is with the management of fisheries resources. This includes the study of fish populations and their associated habitat in rivers, streams, lakes and reservoirs. Included is the protection of fisheries and their habitats from impacts associated with development and other activities of man.

Rex S. Johnson
Staff Forester
Wyoming State Forestry Division
1100 West 22nd Street
Cheyenne, WY 82002
(307) 777-7586

Watershed Management as it relates to forest management.

W. Stephen Johnson
Water Quality Hydrologist
Department of Environmental Quality
Land Quality Division
Herschler Building
Cheyenne, WY 82002
(307) 777-7756

Standard methods of collection and statistical interpretation of water-quality data for surface and ground water systems. Coauthored handbook on design of water quality monitoring plans. Special interest in evaluation of ground water contamination resulting from non-point sources.

William R. Jolley
Associate Professor of Protozoology
University of Wyoming
Wyoming State Veterinary Laboratory
1190 Jackson Street
Laramie, WY 82070
(307) 766-6143

Detection/identification of water-born protozoon (Giardia, Acanthamoeba, Naegleria) and helminth parasites.

Mohan Reddy Junna
Asst. Professor of Irrigation
University of Wyoming
Department of Agricultural Engineering
P.O. Box 3295, University Station
Laramie, WY 82071
(307) 766-4882

Design of border, furrow, basin, sprinkle, trickle (drip) irrigation systems. Design of irrigation canals and pipelines. Irrigation scheduling: optimization techniques as applied to irrigation and drainage. Automation of irrigation systems. Groundwater modeling. Irrigation water management.

Conrad J. Kercher
Professor of Animal Nutrition
University of Wyoming
Department of Animal Science
P.O Box 3684, University Station
Laramie, WY 82071
(307) 766-2224

Knowledge of water quality for farm animals including toxic elements and contaminants. Knowledge of water requirements of farm animals.

Greg L. Kerr
Research Associate III
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-2143

Research in the areas of surface and ground water hydrology. Identification of conveyance losses associated with the delivery and transfer of water. Hydrological and climatological instrumentation. Automated weather data networks and their application in various field research areas.

Thomas E. Kinney
Supervisor
State Engineer's Office
Water Division III-General Adjudication
Herschler Building, 4th Floor East
Cheyenne, WY 82002
(307) 777-5958

Supervisor for settlement phase of the Big Horn River General Stream Adjudication, involved with the determination of all unadjudicated water rights within the Big Horn River and Clark's Fork River Basins. Project includes application of the ARC/INFO Geographic Information System to map federal reserve water rights, state water rights, land ownership, and actual irrigation from remote sensing data. Staff members have expertise in hydrology, geohydrology, computer systems, geographic information systems, remote sensing, statistics, water law, water quality, and water quality management.

James E. Kircher
District Chief
U.S. Geological Survey
Water Resources Division
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2728

District Chief, Wyoming District of the U.S. Geological Survey, Water Resources Division. Administer all the scientific and technical water resources investigations by USGS in the State of Wyoming covering a broad spectrum of water issues.

Duane D. Klammm
State Conservation Engineer
Soil Conservation Service
100 East 'B' Street
Federal Building, Room 3124
Casper, WY 82601
(307) 261-5212

Technically responsible for all engineering aspects of conservation practices installed by the SCS in Wyoming. Includes conservation practices for erosion and sediment control, flooding, irrigation, salinity, drainage, wildlife and recreation developments, and agricultural waste management.

Dennis H. Knight
Professor
University of Wyoming
Department of Botany
P.O. Box 3165, University Station
Laramie, WY 82071
(307) 766-3291

Forest ecology, hydrology, and nutrient cycling, ecosystem analysis, ecology of Wyoming vegetation, riparian vegetation dynamics, and the application of ecological principles to natural resource management.

John E. Knopp
Principal Hydraulic Engineer
Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82002-9019
(307) 777-4077

Specialization in highway and irrigation drainage hydrology and structure analyzation.

Dan Kotansky
Hydrologist
Bureau of Land Management
Casper District Office
1701 East "E" Street
Casper, WY 82601
(307) 261-5561

Surface water data collection of flow and water quality. Installation of debris checkdams, gabions, surface water gauges and shallow alluvial wells. Act as coordinator for oil and gas related problems, i.e. lined or unlined produced water pits. Field infiltration experiments have been conducted.

Richard L. Kroger
Aquatic Biologist
Bureau of Land Management
Worland District Office
Box 119
Worland, WY 82401
(307) 347-9871

Aquatic/wetland habitat biologist for the Worland District of the BLM. Special interests in stockwater reservoir and stream habitat improvement and management.

Barry B. Lawrence
Programmer Analyst
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-2143

Programmer Analyst for the Water Resources Data System (WRDS) for the State of Wyoming. In charge of updating and maintaining the six hydrological and climatological databases comprising WRDS. Areas of specialization include data acquisition from federal and state agencies, custom programming and user assistance.

William A. Laycock
Head, Department of Range Management
University of Wyoming
Range Management Department
P.O. Box 3354, University Station
Laramie, WY 82071
(307) 766-2263

Head of Department of Range Management, administratively in charge of research programs including riparian and watershed research conducted. Involved in research on use of shrubs for living snow fences and ecology of areas behind snowfences where deep snow is deposited every winter.

Bill Locke
Water Quality Engineer
Department of Environmental Quality
Water Quality Division
210 Lincoln
Lander, WY 82520
(307) 332-3144

District Water Quality Engineer - monitor all water quality activities in Southwestern Wyoming. This includes reviewing plans and specifications, inspecting water and wastewater treatment facilities, responding to complaints of pollution, collecting water samples to monitor ground and surface water quality, and inspection of newly constructed facilities to determine compliance with minimum construction standards. Technical assistance is provided to all treatment plant operators and county-delegated small wastewater disposal programs.

Jeffrey A. Lockwood
Assistant Professor
University of Wyoming
Dept. of Plant, Soil, and Insect Science
P.O. Box 3354, University Station
Laramie, WY 82071
(307) 766-4260

Studying the impact of sediments on aquatic macroinvertebrates.
Broad area of specialty is insect ecology and population biology.

Hugh W. Lowham
Chief, Hydrologic Studies
U.S. Geological Survey
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2722

As Chief of the Hydrologic Investigations Section, administer the development and implementation of interpretive hydrologic projects. These projects are done in cooperation with state and local agencies, when the problem or research findings would be of interest to the Nation. Also have served as principal investigator on numerous project studies, specializing in geomorphic analysis and estimation of streamflow at ungaged sites.

Robert Lucht
Groundwater Quality Supervisor
Department of Environmental Quality
Water Quality Division
Herschler Building, 122 West 25th St.
Cheyenne, WY 82002
(307) 777-7095

Experience includes operating a large mine dewatering project with several pumps, and as many as 29 large pumped wells. Responsibilities included securing Wyoming water rights for wells and surface impoundments. Manager of a uranium in-situ mining operation through the baseline data collection stage.

Jaye Lunsford
Hydrologist
U.S. Geological Survey
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2723

Ground-water specialist, Wyoming District, USGS. Quantitative ground water hydrology, (ground water) water budget studies, use of models for predictive and analytical purposes. Secondary interest in urban rainfall-runoff models.

Marion L. Maderak
Project Chief
U.S. Geological Survey
Water Resources Division
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2419

Advisor to Kansas Oil and Gas Corporation Commission, protection of aquifers as related to oil and gas operations, urban hydrology, surface water hydrology sedimentation and sediment transport, small watershed hydrology, ground-water hydrology, ground-water quality, field conductivity monitors, salt load computations, automatic water quality samplers, oil and gas production and disposal of brines, enhanced oil and gas recovery, economic evaluations, and under-ground brine disposal. Certified American Association of Petroleum Geologists, and American Institute of Professional Geologists.

Ronald W. Marrs
Professor
University of Wyoming
Department of Geology and Geophysics
P.O. Box 3006, University Station
Laramie, WY 82071
(307) 766-2330

Water-related work has thus far focused on applications of remote sensing techniques to geohydrologic problems. These include the following: 1) Modelling and interpretation of climate/windflow/land interactions, 2) Estimation of snowpack and expected runoff from mountain watersheds, 3) Thermal patterns, structure, and near-surface groundwater distribution, 4) Land use and land-suitability studies, 5) Soil moisture and slope stability. Currently director of University of Wyoming Remote Sensing Laboratory and teach remote sensing, image processing, and field geology.

Richard A. Marston
Assistant Professor
University of Wyoming
Wyoming Water Research Center
P.O. 3067, University Station
Laramie, WY 82071
(307) 766-2143

Fluvial geomorphology, erosion and sedimentation by running water and wind, drainage basin morphometry, rainsplash erosion, channel adjustments to streamflow and sediment load, drainage basin studies, effects of human activities on rivers.

Larry Martin
Hydrogeologist
U.S. Geological Survey
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2714

Experience in assessing hydrologic impacts caused by surface coal mines. Water rights, both surface and groundwater. Relationship between surface and ground-water flow, and conjunctive use. Computer modeling of ground-water flow systems.

John Marwitz
Professor
University of Wyoming
Department of Atmospheric Science
P.O. Box 3038, University Station
Laramie, WY 82071
(307) 766-4947

Atmospheric Science in general including precipitation processes and air flow associated with severe thunderstorms and orographic storms.

Rebecca L. Mathisen
Water Development Project Manager
Wyoming Water Development Commission
Herschler Building
3rd Floor, East Wing
Cheyenne, WY 82002
(307) 777-7626

Environmental impacts due to mining and large industrial facilities, feasibility studies for providing instream flow for fisheries, hydraulics of open channels and pipelines, hydrology and water development planning.

Alan R. Mauzy
Water Development Project Manager
Wyoming Water Development Commission
Herschler Building
3rd Floor, East Wing
Cheyenne, WY 82002
(307) 777-7626

Water resource planning and development, open-channel flow, dam and hydropower analyses and design, irrigation system development, hydrologic model development and applications, hydraulic design.

Philip B. McCollam
Riverton Field Headquarters, Chief
U.S. Geological Survey
Water Resources Division
P.O. Box 431
Riverton, WY 82501
(307) 856-3771

Participation in and supervision of streamflow data-collection activities. Activities include installation and operation of equipment and subsequent computations to obtain continuous records of streamflow stage and discharge, obtaining water quality and sediment samples, and indirect determinations of flood discharge and water-surface profiles.

Jack L. McMillan
Biologist
Wyoming Game and Fish Department
2800 Pheasant Drive
Casper, WY 82604
(307) 234-9185

General fishery biology and management of reservoirs including limnology and work with forage production and introduction of exotic forage species.

E. Gerald Meyer
Professor Emeritus
University of Wyoming
Department of Chemistry
P.O. Box 3825, University Station
Laramie, WY 82071
(307) 766-5445

Coal conversion processes and effluents therefrom. Energy policy including supply and consumption, resource base, and forecasting, power plant fuel systems including availability, transportation, storage, combustion, cost, and emission compliance methods.

Paul Meyer
Soil Scientist
Bureau of Land Management
Worland District Office
Box 119
Worland, WY 82401
(307) 347-9871

Soil and watershed management in semi-arid climatic regimes, including rehabilitation and vegetation prescriptions. Soil survey and interpretations for erosion and sediment yield applications. Coordination of hazardous materials management program with emphasis on regulations effecting federal land managing agency (BLM) and contaminated site management. Other interests include geomorphology, landfill management and climatology.

Don D. Miller
Area Fisheries Supervisor
Wyoming Game and Fish Department
528 S. Adams
Laramie, WY 82070
(307) 742-7611

Specializes in fisheries management of lake and river ecosystems to provide fisheries for public benefits. Maintains fisheries by sampling lakes, and rivers and then writing management plans for them. This includes fishing regulations and stocking recommendations.

Richard H. Miller
State Planning Coordinator
Governor's Office
Herschler Building
Second Floor East
Cheyenne, WY 82002
(306) 777-7574

Currently serving as State Planning Coordinator. Five years experience as staff counsel to the Legislature Select Water Committee.

Rod S. Miller
Range Resource Analyst
State Planning Coordinator's Office
Herschler Building
Second Floor, East
Cheyenne, WY 82002
(307) 777-7574

Experience in policy analysis, range and riparian zone management.

Steve Miller
Professor - Weed Science
University of Wyoming
Dept. of Plant, Soil and Insect Science
P.O. Box 3354, University Station
Laramie, WY 82071
(307) 766-3112

Interaction of herbicides on weeds and other plants.

P. Stan Mitchem
State Geologist
Soil Conservation Service
3124 Federal Building
100 East B Street
Casper, WY 82601
(307) 261-5213

As State Geologist for the Soil Conservation Service, responsible for all phases of geological studies for SCS programs in Wyoming. These studies are related primarily to water development and management for irrigation, livestock, and other purposes. Areas of specialization include locating and designing water wells, subsurface investigations for the design of earth dams, erosion and sedimentation investigations for the allocation of sediment storage in reservoirs, and subsurface investigations for control of saline seeps and other drainage problems associated with irrigation.

Barry C. Mountain
Water Development Engineer
Wyoming Water Development Commission
10429 Arabian Lane
Cheyenne, WY 82009-9332
(307) 777-7626

Former Assistant Municipal Engineer dealing with urban street drainage, runoff collection/impoundment. Planned water detention/retention schemes in urban setting. Administered municipal flood plain management. Authored local ordinance, permit and practice manual for urban erosion and sedimentation control. Professional services/construction contract administrator for municipal and irrigation water development projects.

David Naftz
Hydrologist (Geochem)
U.S. Geological Survey
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2716

Use of environmental isotopes and other chemical constituents in determining ground-water flow directions and reaction progress, effects of mining on ground-water quality, transport of trace metals in surface waters during lowland runoff events, and development of predictive and mitigative techniques concerning trace metal mobility in disturbed areas. Special interest in selenium geochemistry in disturbed ground waters and rocks.

Thomas S. Norman
S.E. District Engineering Supervisor
Department of Environmental Quality
Herschler Building
4th Floor West
Cheyenne, WY 82002
(307) 777-7781

Assists the Department of Environmental Quality (Water Quality Division) with regulation of the permitting, etc. of water and wastewater systems for Wyoming communities, groups and individuals. Evaluates the design and does inspection of water and wastewater facilities utilizing appropriate state-of-the-art technology in these areas.

Melvin Oberholtzer
Fisheries Biologist
Wyoming Game and Fish Department
528 S. Adams
Laramie, WY 82070
(307) 745-4046

Specialize in fisheries management of lakes and stream ecosystems to provide fisheries for public benefits. Maintain fisheries by sampling lakes and streams and then writing management plans for them. Includes formulating fishing regulations and fish stocking recommendations.

Mark Opitz
Design Engineer
Soil Conservation Service
100 East B Street
Room 3124
Casper, WY 82602
(307) 261-5516

Design Engineer for the Soil Conservation Service providing assistance for hydraulic structures used for water control in dams, channels and irrigation delivery systems.

Joseph Patti, Jr.
Planning Coordinator
Bureau of Land Management
Wyoming State Office
P.O. Box 1828
Cheyenne, WY 82003
(307) 772-2228

Planning coordinator of water and land related issues with Bureau of Land Management.

Daniel J. Perko
Staff Forester
Wyoming State Forestry Division
1100 West 22nd St.
Cheyenne, WY 82002
(307) 777-7586

Conservation of water in tree and shrub planting with the use of drip-irrigation systems, plant-water relationships, riparian area vegetation management, use of tree and shrub plantings (Living Snow Fence) to control harvest blowing snow to utilize in vegetation establishment and possible livestock and wildlife benefits and highway safety. Research interests in drifts cast and their relationship to planting design, species selection, and row spacing to maximize snow storage.

David A. Peterson
Chief, Water Quality Unit
U.S. Geological Survey
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2711

Coordination of state-wide water quality monitoring network, in cooperation with state, local, and other federal agencies. Project work on low-ionic strength lakes and Department of the Interior irrigation drainage studies of the Kendrick and Riverton Projects.

Clynn Phillips
Professor of Economics
University of Wyoming
Department of Economics
P.O. Box 3985, University Station
Laramie, WY 82071
(307) 766-4808

Water resources planning, cost-benefit analysis and application of other analytical techniques used to determine project feasibility. Special interests include the estimation of project related recreation and wildlife benefits.

Robert Pistono
Aquatic Habitat Biologist
Wyoming Game and Fish Department
260 Buena Vista
Lander, WY 82520
(307) 332-2688

In charge of stream management work for the Game and Fish Department. Enhancement of stream systems through fisheries management, bank stabilization and habitat improvement measures.

Larry Pochop
Professor of Agricultural Engineering
University of Wyoming
Agricultural Engineering Department
P.O. Box 3295, University Station
Laramie, WY 82071
(307) 766-3326

Research and applications in evapotranspiration and plant-water relationships. Includes mountain meadow, phreatophyte, lawn grass, and agricultural crop water use and management. Analysis and interpretation of climatic and micro-climatic data. Utilization of weather-data collection systems.

Brian Pruiett
Range Conservationist
Lands and Renewable Resources
Buffalo Resource Area - BLM
189 N. Cedar
Buffalo, WY 82834
(307) 684-5586

Experience in mine planning and mine reclamation in arid environments, soil surface management and revegetation practices for reduction of erosional risks. Eight years practical hands-on experience in solving watershed and stream management problems on Wyoming and Montana rangelands. Development of land management plans to improve water quality and yield. Practical application of riparian management techniques.

Michael K. Purcell
Administrator
Wyoming Water Development Commission
Herschler Building
3rd Floor, East Wing
Cheyenne, WY 82002
(307) 777-7626

Administrator for the Wyoming Water Development Commission. Contract management for water projects with specialization in water planning and construction management.

Frank J. Rahe1
Assistant Professor
University of Wyoming
Department of Zoology and Physiology
P.O. Box 3166, University Station
Laramie, WY 82071
(307) 766-4212

Interests include fisheries biology and aquatic ecology, especially how human perturbations (pollution, habitat alteration, over-exploitation) influence aquatic communities.

James G. Rankl
Hydrologist
U.S. Geological Survey
P.O. Box 1125
Cheyenne, WY 82003-1125
(307) 772-2717

Surface-water hydrologist with the U.S. Geological Survey with professional expertise in runoff and sediment yield from small semiarid basins, open-channel flow, flood studies and time-of-travel/reaeration measurements. Research interests are in soil physics, infiltration, and sediment transport.

Katta Jayaram Reddy
Research Associate
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-3053

Geochemical modeling research related to the surface disposal of processed oil shale solid waste. Solubility and mobility of contaminants from fly ash, oil shale solid waste, and coal mine spoils. Areas of interest include low temperature and environmental geochemistry and chemical equilibria in soil waters. Special interest in effects of disposal of energy related solid waste on surface waters and ground waters.

Tim Reeves
Research Associate II
University of Wyoming
Civil Engineering Department
P.O. Box 3295, University Station
Laramie, WY 82071
(307) 766-6330

Research hydrologist with specific interest and experience in soil-water relationships including infiltration, unsaturated and saturated flow, contaminant transport, and hydraulic conductivity as applied to toxic/hazardous waste disposal systems. Additional experience in watershed management, mine land reclamation, remote sensing and image processing, experimental design and statistical analysis, programming, and data acquisition/processing.

William A. Reiners
Professor of Botany
University of Wyoming
Department of Botany
P.O. Box 3165, University Station
Laramie, WY 82071-3165
(307) 766-2235

General expertise lies in terrestrial biogeochemistry. Special expertise falls in two areas: 1) cloud droplet deposition to forest canopies, and 2) nutrient cycling in forest and sagebrush steppe ecosystems. Within the last area, particular experience exists in soil processes, particularly nitrogen transformations.

Howard Rhodes
Biology Lab Technician
ARS - Animal Disease Research Lab
5526 Pilot Peak Road
Laramie, WY 82070
(307) 721-0357

Expertise in taxonomy of benthic invertebrates. Research interests include freshwater ecology of mountain streams and lakes, macroinvertebrate recolonization of channelized streams, and effects of regulated streams on benthic distributions.

Lawrence Robinson
Engineering Supervisor
Department of Environmental Quality
Water Quality Division, Herschler Bldg
3rd Floor, East Wing
Cheyenne, WY 82002
(307) 777-7781

Supervisor State Programs Section, Water Quality Division, Department of Environmental Quality. Administer certain engineering aspects of Wyoming Environmental Quality Act, primarily dealing with construction permits for wastewater and public water supply facilities. Enforcement of provisions of Act. Draft and adopt rules and regulations. Work with local agencies for delegation of permitting authority, primarily small wastewater systems.

Robert W. Rossman
Hydrologist
U.S. Forest Service
Lander Ranger District
Highway 287 West
Lander, WY 82520
(307) 332-5460

Primary staff on the Lander Ranger District, with supervisory responsibility for the District's acid deposition monitoring program. Have been heavily involved in land management planning with responsibility for situation assessment and analysis in soil, air, and water resources on the National Forest. Have field experience in surface hydrology measurements, water quality monitoring and watershed analysis. Have been involved to a great degree in hydrology assessments for proposed timber harvests and oil and gas related activities. Have planned and implemented a number of watershed improvement projects. Participated for the Forest Service in the Bighorn Water Adjudication, basic data collection for instream flow analysis.

R. Nick Schmal
Forest Fishery Biologist
Medicine Bow National Forest
605 Skyline Drive
Laramie, WY 82070
(307) 745-8971

Fisheries management specialist for the Medicine Bow National Forest with responsibility for fish and riparian habitat technical input and advice for programs on the forest and Thunder Basin National Grasslands. Experienced in technical writing and aquatic habitat impact assessments for timber harvest, water development, fish habitat modifications, road construction, mine reclamation and stream channelization activities.

Paul C. Schwieger
Administrator, Water Development Division
Economic Development & Stabilization Bd.
Herschler Building
3rd Floor East Wing
Cheyenne, WY 82002
(307) 777-7284

Administrator of the Water Development Division of the Economic Development and Stabilization Board, responsible for irrigation projects relating to the Farm Loan Board, function as representative for Water Development, Construction projects as directed by Legislature, Water Marketing Agent for State of Wyoming and Advisor to the Water Development Commission. Additional duties include the following as appointed by the Governor: Indian Liaison Representative; Chairman, Agriculture Mediation Board; Chairman, Research, Review and Priorities Committee of Water Research Center; Rural Rehabilitation Program.

William F. Sherman
Chief Engineering Geologist
Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82002-9019
(307) 777-4205

Groundwater hydrology specifically as related to well design and control. Groundwater control relative to engineering structures.

John W. Shields
Water Resources Engr, Interstate Streams Sec.
State Engineer's Office
Herschler Building, 4th Floor East
Cheyenne, WY 82002
(307) 777-6151

Assists Wyoming State Engineer with administration of, and matters relating to, interstate river compacts and court decrees. Agricultural engineering education and background have resulted in particular interest in agricultural water use, evapotranspiration, irrigation systems, conveyance systems and crop water use. Job duties have led to specialization in water rights, water law and salinity.

Vince Sindt
Director
University of Wyoming
Science and Math Teaching Center
P.O. Box 3992, University Station
Laramie, WY 82071
(307) 766-4384

Experience and interests are oriented to helping teachers identify meaningful and appropriate lessons to use to teach about water concepts and issues. Emphasis on placing water education in to curriculum as a part of what is now being taught instead of adding it on to an already full curriculum.

Michael A. Smith
Associate Professor
University of Wyoming
Range Management Department
P.O. Box 3354, University Station
Laramie, WY 82071
(307) 766-2337

Research interests have largely been livestock grazing relationships in riparian zones, specifically cattle grazing distribution, vegetation utilization, and channel and vegetation responses. Additionally, channel and riparian zone responses to installation of instream structures has been studied.

William K. Smith
Associate Professor
University of Wyoming
Department of Botany
P.O. Box 3165, University Station
Laramie, WY 82071
(307) 766-6377

Vegetation influences on water conveyance and plant growth and water relations are the major areas of water-related research. Habitats include alpine/sub-alpine, deserts, and all riparian systems, plus agro-ecosystems.

Michael A. Snigg
Fisheries Biologist
Wyoming Game and Fish Department
528 S. Adams
Laramie, WY 82070
(307) 745-4046

Major expertise has been in field fisheries management with emphasis on large river and reservoir management. Specific experience in habitat improvement, fish species management and recreational use have been acquired. Most recently emphasis has been on beaver pond/fisheries relationships, special regulation effects on trout populations in the North Platte River, and fisheries management of subalpine and alpine lakes in the Snowy Range. Research interests include investigating existing and proposed water systems (lakes, streams, reservoirs) to optimize recreational fishing use.

Everett W. Spackman
Extension Entomologist
University of Wyoming
Dept. of Plant, Soil and Insect Science
P.O. Box 3354, University Station
Laramie, WY 82071
(307) 766-4261

Diagnosing insect damage and identification. Trouble shooting and making insecticide recommendations for insect control to assist University Extension Agents in insect problem areas.

Karen Spray
Hydrologist
Department of Environmental Quality
Land Quality Division
Herschler Building, 3 West
Cheyenne, WY 82002
(307) 777-7756

Staff Hydrologist for Wyoming Department of Environmental Quality-Land Quality Division. Expertise in surface water/ground water interactions in semi-arid/arid climates, ground water hydrogeology, river systems and hydrologic-geologic relations. Conducts large quantities of technical environmental reviews and analyses.

Mark Squillace
Associate Professor of Law
University of Wyoming
College of Law
P.O. Box 3035, University Station
Laramie, WY 82071
(307) 766-6107

Teach water rights course at the College of Law. Particular interest and expertise on water-related impacts from coal mining activities.

Richard G. Stockdale
Chief Ground Water Geologist
State Engineer's Office
Herschler Building, 4th Floor East
Cheyenne, WY 82002
(307) 777-7354

Groundwater hydrology, groundwater management, hydrogeology, groundwater wells and design, water rights, conjunctive use, aquifer characteristics, well hydraulics, pumps, agricultural water use.

Mike Stone
Ecological Services Manager
Wyoming Game and Fish Department
Fish Division
5400 Bishop Blvd
Cheyenne, WY 82002
(307) 777-7686

Instream flow, fisheries impact analysis and mitigation, water project planning, aquatic habitat assessment, fisheries.

Steven Strenger
Soil Scientist
Bureau of Land Management
Rawlins District Office
Divide Resource Area, Box 670
Rawlins, WY 82301
(307) 324-4841

Responsible for the Soil, Water, Air and Hazardous Materials Programs in the Divide Resource Area. Involved in monitoring, data collection and watershed management in the Muddy Creek Watershed. Extensive experience in soil survey and soil-vegetation correlation. Provide soil interpretation for various land uses including reclamation.

Stan C. Strom
Waterborne Disease Investigator
Division of Health and Medical Services
481 Hathaway Bldg - Environmental Health
Cheyenne, WY 82002
(307) 777-6951

Investigate and prepare epidemiologic reports on clusters of illness related to water use or consumption, particularly those related to community or public water systems. Survey and inspection of water treatment plants, testing and laboratory analysis of water and particulate sampling in response to increases in incidence of giardiasis, shigellosis, campylobacteriosis, hepatitis A, amoebiasis etc. in communities in Wyoming. Objective is: identification of source of epidemic, water treatment deficiencies, corrective recommendations and to prevent similar outbreaks from recurring. Includes statistical analysis of incidence data, risk factors, onset dates and other data. (Environmental Epidemiology)

State Engineer's Office Surface Water Division
State Engineer's Office
Herschler Building
4th Floor East
Cheyenne, WY 82002
(307) 777-7354

Handles all water rights applications associated with surface waters of the State of Wyoming. Reviews applications on surface waters for the State Engineer and Board of Control, analyzes information and data associated with surface waters and assesses water needs and problems associated with Wyoming's water.

Margo F. Teague
Supervisor
State Engineer's Office
Information, Storage and Retrieval Sec.
Herschler Building, 4th Floor East
Cheyenne, WY 82002
(307) 777-6176

Responsible for accurately researching and interpreting all Wyoming Water Right Records, insofar as it applies to the initial and updated information captured and input into the data base and retrieval of any requested information from said data base.

Frank J. Trelease
Assistant State Engineer
State Engineer's Office
Herschler Building, 4th Floor East
Cheyenne, WY 82002
(307) 777-7354

Water Resources Engineer with 25 years experience in surface and ground water supply analysis, irrigation, industrial, and municipal water needs analysis, water rights, interstate water allocation and river basin analysis, hydrologic analysis, urban drainage, dams and conveyance facilities, wells, reports and expert testimony.

John P. Turner
Assistant Professor
University of Wyoming
Department of Civil Engineering
P.O. Box 3295, University Station
Laramie, WY 82071
(307) 766-4265

Geotechnical engineering/engineering geology, including geologic hazards related to water such as landslides, mudflows, subsidence, expansive and collapsing soils. Waste geotechnics including stability of failings dams and hazardous waste containment systems (clay liners, slurry walls, geomembranes). Siting of dams, earth dam construction, soil and rock mechanics.

Gabor Vali
Professor
University of Wyoming
Department of Atmospheric Science
P.O. Box 3038, University Station
Laramie, WY 82071
(307) 766-3225

Atmospheric processes - cloud, rain and snow formation. Weather modification. Chemical processes within clouds - removal of pollutants, acid rain. Impact of pollutants on cloud and precipitation processes.

A. Mainard Wacker
Hydraulic Staff Engineer
Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82002-9019
(307) 777-7226

Urban and rural hydrology, hydraulics of fixed and mobil bed/bank (scour/erosion). Open Channel flows, applied probability and statistical analysis for surface waters and climatology, economic risk analyses related to floods, flood plain management and urban planning, surface water quality and environmental analysis, legal analysis of flood and drainage issues, small dam and irrigation system analysis, and computer systems related to the above.

Jon Wade
Hydrogeologist
Wyoming Water Development Commission
Herschler Building
3rd Floor, East Wing
Cheyenne, WY 82002
(307) 777-762

Groundwater development program design, planning, construction. Aquifer testing program design and implementation. Analysis of aquifer parameters. Planning and design of drilling programs. Computer modeling of aquifer systems, well field development, etc. Groundwater management programs. Artificial groundwater recharge. Hydrogeology. General water resources project planning, from conception through design.

Sally J. Wechsler
Veterinary Medical Officer
ARS - Animal Disease Research Lab
P.O. Box 3965
University Station
Laramie, WY 82071
(307) 721-0316

Diseases of cultivated fish, special interest in viral diseases of fishes of fresh and salt water.

M. William Wengert, Jr.
Fisheries Biologist
Wyoming Game and Fish Department
Fisheries Management Crew #44
351 Astle Avenue
Green River, WY 82935
(307) 875-3223

Fisheries Management Research Specialist for the Wyoming Game and Fish Department in Management Area #44. Plan and conduct research projects and management activities in fish biology for the management of the fisheries in the management area. Activities include collection of fish population dynamics data harvest and catch information, fishing pressure data, limnological data, habitat information and productivity data. Analysis and evaluation of data with statistical methods, interprets results and writes detailed reports concerning the findings of the project. Research interests in all fields of fisheries management in lakes, reservoirs, streams, and rivers with special emphasis on population dynamics and habitat improvement.

Thomas A. Wesche
Research Associate III
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-2143

Adjunct Prof., Range Management; involved with instream flow analysis, aquatic habitat evaluation and surface water hydrology. Authored numerous publications in these fields, including research and management papers involving the recommendation of maintenance and flushing flow levels for water development projects in Wyoming, the critical review of instream flow methodologies and habitat evaluation techniques, the development of models to quantify instream cover in relation to streamflow alteration, the hydraulic requirements of salmonid spawning and benthic invertebrate habitat, the effects of watershed and flow regime characteristics on fish production, the characteristics of salmonid winter habitat requirements, the development of models to predict habitat exclusion by ice cover, and the design of stream channels to maximize habitat under reduced flow conditions.

Bill Wichers
Area Fisheries Supervisor
Wyoming Game and Fish Department
2800 Pheasant Drive
Casper, WY 82604
(307) 234-9185

Area fisheries supervisor for the North Platte River drainage from I-80 downstream to the Nebraska state line. Areas of expertise include fisheries and associated biological and physical factors that interrelate with fish.

Marc Wilcox
Forest Hydrologist
Medicine Bow National Forest
605 Skyline Drive
Laramie, WY 82070
(307) 745-8971

Watershed management specialist for the Medicine Bow National Forest. Have responsibility for hydrology input and technical review of management programs on the Forest. Expertise and technical interests include hydrology and soils related best management practices to control erosion from timber harvesting, range management, road and water construction projects, evaluating and quantification of channel maintenance and instream flow requirements, water yield augmentation from Forest management, classification of wildland stream channels, sediment transport processes, and atmospheric deposition in mountain lakes and streams.

Robert W. Wiley
Fish Research Manager
Wyoming Game and Fish Department
528 S. Adams
Laramie, WY 82070
(307) 745-4046

Serves as Fishery Research Manager for Wyoming Game and Fish Department with responsibility for reservoir research, stream habitat management, limnology laboratory, and fish population/biostatistics units. Through these operations stream habitat, riparian ecosystems, acid deposition, reservoir fishery management, and stream fishery research are considered. Also serve as fishery liaison with Wyoming Cooperative Fish and Wildlife Research Unit, Wyoming Water Development Commission, Wyoming Water Research Center, and other state and federal government agencies. Research interests are in stream/river fish stocks and management, resource allocation, public perception of resource, and effective techniques of administration.

Stephen E. Williams
Professor of Soil Science
University of Wyoming
Dept. of Plant, Soil and Insect Science
P.O. Box 3354, University Station
Laramie, WY 82071
(307) 766-2179

Head of Soils section, Department of Plant Soil and Insect Sciences
plus faculty advisor for the soil testing laboratory. Areas of
expertise include Soil Microbiology, specifically symbiotic
associations, and soil chemistry. Special interest in mycorrhizal
fungi and nitrogen fixing bacteria.

Thomas R. Williams
Groundwater Engineering Evaluator
Department of Environmental Quality
Water Quality Division
Herschler Building, 4th Floor, West Wing
Cheyenne, WY 82002
(307) 777-7781

Groundwater contaminations investigations and subsurface pollution
control and abatement systems. Groundwater sample collection and
monitoring well network design and installation. Geomorphology,
geologic hazards, watershed rehabilitation and oceanography.

Bill Wilson
District Hydrologist
Bureau of Land Management
Worland District Office
Box 119
Worland, WY 82401
(307) 347-9871

As Hydrologist for the Worland District of BLM provide surface and
groundwater hydrologic investigations pertaining to other Bureau
programs (i.e. range, forestry). Interests include watershed
rehabilitation, erosion, control, and water quality.

James F. Wilson, Jr.
Supervisory Hydrologist
U.S. Geological Survey
Water Resources Division
P.O. Box 1125
Cheyenne, WY 82003
(307) 772-2729

Surface-water hydrology in general. Specifically, applications of dye tracing, including measurements of time of travel and dispersion in streams, generalization of tracer data, measurement of discharge in streams, canals, and pipelines by dye dilution, and path tracing. Applications of GIS (Geographic Information Systems) to hydrologic, geologic, and other earth-resources data, the locations of which can be mapped.

Steven W. Wolff
Research Associate
University of Wyoming
Wyoming Water Research Center
P.O. Box 3067, University Station
Laramie, WY 82071
(307) 766-2143

Fisheries biology with emphasis on physical habitat assessment, instream flow analysis and stream hydrology. Primary interests lie with evaluation of regulated stream systems and alterations to fisheries/habitat due to water development.

Ghulam Yahya
Hydraulic Design Engineer
Wyoming Highway Department
P.O. Box 1708
Cheyenne, WY 82002-9019
(307) 777-4077

Specialization in urban and rural drainage analysis. Highway and irrigation drainage facilities.

KEYWORDS

ACID RAIN	DESALINATION
ACTIVATED CARBON	DEVELOPING COUNTRIES
ACTIVATED SLUDGE	DILUTION GAGING
ADSORPTION AND EXCHANGE PHENOMENA	DISINFECTION
AERATION	DISTRIBUTION SYSTEMS
AGRICULTURAL WATER USE	DRAINAGE
ALGAE	DRILLING
ALKALINE SCALE	DROUGHT
ANAEROBIC TREATMENT	DYE TRACING
AQUACULTURE	DYNAMIC PROGRAMMING
AQUATIC BENTHOS	EARTH DAMS
AQUATIC ECOLOGY	ECONOMICS OF WATER RESOURCES
AQUATIC FURBEARERS	ENERGY USE & CONSERVATION
AQUIFER CHARACTERISTICS	ENVIRONMENTAL EMERGENCY RESPONSE ACTIONS
AQUIFER PARAMETERS	ENVIRONMENTAL LAW
ARID CLIMATES	EPIDEMIOLOGY OF WATERBORNE DISEASES
ATMOSPHERIC MODELS	EROSION, WIND OR WATER
ATMOSPHERIC PROCESSES	ESTUARIES
BACTERIA	ESTUARINE MODELING
BASALT HYDROLOGY	EVAPORATION
BASE FLOW	EVAPOTRANSPIRATION
BAYS	FARM ANIMAL REQUIREMENTS
BEACHES	FEDERAL COAL PLANNING/COORDINATION
BENEFIT-COST ANALYSIS	FERTILIZERS
BENTHOS	FISH HABITAT IMPROVEMENT PRACTICES
BIODEGRADATION	FISHERIES
BIOLOGICAL TREATMENT	FLOOD-PLAIN MANAGEMENT
BIOMONITORING	FLUID FLOW
BRACKISH WATER	FLUVIAL GEOMORPHOLOGY
BRIDGE AND CULVERT SCOUR	FOREST HYDROLOGY
BRINES	FOREST MANAGEMENT
CHANNELS	FUNGICIDES
CHEMIGATION	GEOCHEMISTRY
CHLORINATION	GEOGRAPHIC INFORMATION SYSTEMS
CLAY LINERS AND SLEEVE WALLS	GEOHYDROLOGY
CLEAN WATER ACT - ADMINISTRATION	GEOMORPHOLOGY
CLIMATE	GEOPHYSICS
CLOUD SEEDING	GEO THERMAL POWER
COASTAL ENGINEERING	GLACIERS
COASTAL ZONE	GROUND-WATER CONTAMINATION EVALUATION
COMPUTER ANALYSIS	GROUND-WATER EXPLORATION
CONFLICT MANAGEMENT	GROUNDWATER BACTERIA
CONJUNCTIVE USE	GROUNDWATER HYDROLOGY
CONSERVATION	GROUNDWATER MANAGEMENT
CONSTRUCTION INSPECTION	GROUNDWATER MODELING
CONVEYANCE LOSSES	GROUNDWATER QUALITY
CONVEYANCE SYSTEMS	GROUNDWATER RECHARGE
COOLING	GROUNDWATER WELLS/DESIGN
CROP WATER USE	HABITAT MODIFICATION
CRUSTACEANS	HAZARDOUS WASTE
DAIRY-WASTE MANAGEMENT	HEALTH AND SAFETY ISSUES OF HAZARDOUS WASTE
DAM FAILURE	HEAVY METALS
DAMS	HERBICIDES
DATA COLLECTION/ACQUISITION	HISTORY
DATA PROCESSING/EVALUATION	HYDRAULIC STRUCTURES
DECISION MODELS	HYDRAULICS
DEMAND MANAGEMENT	HYDROGEOLOGY
DENITRIFICATION	HYDROLOGIC DATABASES

HYDROLOGIC MODELS
HYDROLOGY
HYDROPOWER
ICE
IMPACT ANALYSIS
INDUSTRIAL WASTE WATER
INFILTRATION
INFORMATION RETRIEVAL/PROCESSING
INSECTICIDES
INSECTS
INSTITUTIONAL RELATIONSHIPS
INSTREAM FLOW
INSTRUMENTATION
INTER-AGENCY/GOVERNMENT COOPERATIVE RELATIONS
INTERSTATE COMPACTS AND COURT DECREES
INVERTEBRATES
ION EXCHANGE
IRRIGATION
IRRIGATION SCHEDULING
IRRIGATION STRUCTURES
IRRIGATION SYSTEMS
ISOTOPES
JURISDICTIONAL WETLAND DELINEATION
KARST HYDROLOGY
LAKES
LAND APPLICATION OF WASTES
LAND USE
LAND USE PLANNING
LANDSCAPING
LANDSLIDES
LEACHING
LIMNOLOGY
MANURE DISPOSAL
MARINE RESOURCES
MARKETING
MATHEMATICAL MODELS
MEMBRANES
MICROCLIMATOLOGY
MINING
MOUNTAIN LAKES/STREAMS
MULTIPLE-OBJECTIVE PLANNING
MUNICIPAL WATER TREATMENT
NAVIGATION
NEGOTIATING PROCESS
NITROGEN
NUCLEAR WASTE DISPOSAL
NUMERICAL ANALYSIS
NUTRIENTS
OIL-WATER INTERFACES
OIL/HAZARDOUS SUBSTANCE SPILL CLEAN-UP
OPEN CHANNELS
OPERATION RESEARCH
OPTIMIZATION
ORGANIC COMPOUNDS
OSMOSIS
OXIDATION
OZONATION
PERCOLATION

PHREATOPHYTES
PHYSICAL CHEMISTRY
PIPELINE HYDRAULICS
PLANNING
PLANT GROWTH
PLANT-WATER RELATIONSHIPS
POLICY ANALYSIS
POLLUTION CONTROL
PONDS
PORT FACILITIES
POWERPLANTS
PRECIPITATION
PUBLIC HEALTH
PUBLICATIONS/DISTRIBUTION
PUMPS
RAINFALL
RAINFALL SIMULATION
RAINFALL-RUNOFF MODELS
RAINFALL-RUNOFF PROCESSES
RANGE MANAGEMENT
RECREATION
REEFS
REGIONAL PLANNING
REMOTE SENSING
RESERVOIR MANAGEMENT
RESERVOIR MODELING
REVERSE OSMOSIS
RIPARIAN HABITAT REHABILITATION
RIPARIAN HABITATS IN FORESTED WATERSHEDS
RIPARIAN VEGETATION/MANAGEMENT
RISK MANAGEMENT/ANALYSIS
RIVER BEDS
RIVER-BASIN DEVELOPMENT
RIVERS
RUNOFF
SALINE SOILS
SALINE-FRESHWATER INTERFACES
SALINITY
SANITARY LANDFILLS
SATURATED FLOW
SCOUR AND EROSION
SEAWATER
SEDIMENT TRANSPORT
SEDIMENTATION
SEED GERMINATION
SEISMICITY
SEPTIC TANKS
SEWER SYSTEMS
SHELLFISH
SLOPE STABILITY
SLUDGE
SNOW, ICE, AND FROST
SOIL CHEMISTRY
SOIL CONSERVATION
SOIL ENGINEERING
SOIL MICROBIOLOGY
SOIL PHYSICS
SOIL SURVEY

SOIL-WATER RELATIONSHIPS
SOLAR ENERGY
SOLUTE TRANSPORT
STATISTICS
STOCHASTIC HYDROLOGY
STOCHASTIC PROCESSES
STREAM CLASSIFICATION
STREAM HABITAT ECOLOGY
STREAM HABITAT IMPROVEMENT
STREAMBANK STABILIZATION TECHNIQUES
STREAMS AND STREAMFLOW
SUBSIDENCE
SUBSURFACE DRAINAGE
SURFACE DRAINAGE
SURFACE GEOLOGY
SURFACE WATER/GROUND WATER INTERRELATIONSHIPS
SURFACE-WATER HYDROLOGY
SUSPENDED SEDIMENTS
SYNTHETIC HYDROLOGY
SYNTHETIC ORGANICS
SYSTEMS ANALYSIS
SYSTEMS ENGINEERING
TIDELANDS
TIME OF TRAVEL AND DISPERSION
TIME-SERIES ANALYSIS
TOXIC SUBSTANCES
TRACE ORGANICS
UNSATURATED FLOW
URBAN HYDROLOGY
URBAN PLANNING
URBAN WATER SYSTEMS
VIRUSES
WASTE DISPOSAL
WASTEWATER
WASTEWATER IRRIGATION
WASTEWATER TREATMENT
WATER AUGMENTATION
WATER BUDGET STUDIES
WATER CHEMISTRY
WATER CURRICULUM
WATER EDUCATION
WATER HARVESTING
WATER LAW
WATER PROJECT CONSTRUCTION CONTRACTING
WATER QUALITY
WATER RESOURCES DEVELOPMENT
WATER RESOURCES PLANNING
WATER REUSE
WATER RIGHTS
WATER TREATMENT
WATER YIELD AUGMENTATION
WATER-QUALITY CONTROL
WATER-QUALITY MANAGEMENT
WATER-QUALITY MODELING
WATER-QUALITY MONITORING
WATER-QUALITY STANDARDS
WATER-TREATMENT FACILITIES
WATER-USE DATA


WATER-USE EFFICIENCY
WATER-USE MONITORING
WATERBORNE DISEASES
WATERBORNE PARASITES
WATERFOWL BIOLOGY
WATERSHED IMPROVEMENT PRACTICES
WATERSHED MANAGEMENT
WAVES
WEATHER FORECASTING
WEATHER MODIFICATION
WEATHER-DATA COLLECTION
WEEDS
WELL HYDRAULICS
WETLAND ECOLOGY
WILDLIFE MANAGEMENT

The Directory

The Wyoming Water Research Center, in cooperation with the State Water Forum (Cooperative State-Federal Water Agency Group), has compiled this directory to identify, as well as encourage communication among, state, federal and university individuals involved with the protection, preservation, development and improvement of Wyoming's water resources. It is hoped that the directory will assist individuals in state and federal government as well as the university in directing individuals with questions concerning Wyoming's water resources to the most knowledgeable person as quickly and efficiently as possible.

The directory includes individuals from those state and federal agencies who have responsibility toward water resource administration, protection and management as well as individuals from University of Wyoming departments with water interests. Extensive efforts were made to include as many individuals as possible within these groups in the directory. However, if there are individuals or organizations within these groups who have been omitted, we encourage them to submit entries for the next edition by contacting the Wyoming Water Research Center for the proper form.

Sincerely,

A handwritten signature in cursive script that reads "Victor Hasfurther".

Victor Hasfurther
Associate Director
Wyoming Water Research Center