



WNTSC EXPERTISE DIRECTORY

Portland Office	Maryland Office	Massachusetts Office
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Name	Title	Phone
Shaun McKinney	Acting Director	(503) 273-2402
Freda Brown	Office Assistant	(301) 504-3946
Evelyn Johnson	Administrative Assistant	(503) 273-2422

Core Team	Title	Phone	Expertise/Specialties/Duties	Training Courses
Sally Bredeweg	Environmental Engineer	503-273-2423	Conservation Innovative Grants; Ag Waste Management; technical support for AWM program; admin for AWMCP list server.	Boot Camp, Renewable Energy Applications, Alternative Manure Treatment Systems, Planning and Design of Manure Management Systems
Ben Bowell	Organic Conservation Specialist	(503) 273-2412	Organic Cropping Systems, Organic Livestock Systems	Organic Production Overview, Organic Nutrient, Pest, & Livestock Management, Organic Cross-Trainings and Listening Sessions, Conservation Planning in Organic Systems.
Sarah Brown	Organic Conservation Specialist	(503) 273-2433	Organic Cropping Systems, Organic Pest and Nutrient Mgt., Organic Payment Schedule Scenarios and SoilQuality .	Organic Production Overview, Organic Nutrient, Pest, & Livestock Management, Organic Cross-Trainings and Listening Sessions, Conservation Planning in Organic Systems.

Steve Campbell	Soil Scientist	(503) 273-2422	Sec. II FOTG, Technical Soil Services, and use of Soil Data Mart, Web Soil Survey, Soil Data Viewer in resource assessment, conservation planning and program delivery. Assistance with NASIS training and development of interpretations, reports, and queries.	Soil Technology – Application of Soil Data Viewer and ArcGIS in Technical Soil Services, Boot Camp: Using Soil Survey Data and Other Spatial Data in the Development and Correlation of Ecological Sites
Giulio Ferruzzi	Conservation Agronomist	(503) 273-2429	RUSLE 2, Polyacrylamides (PAM), Cropping Systems/Residue Mgt., Pest Mgt. & WIN-PST, Organic Farming, Carbon Sequestration, Agronomy Standards, Agronomy Payment Schedule Scenarios and Soil Chemistry.	NEDC Pest Management Considerations in Conservation Planning, RUSLE 2 Training, WIN-PST Training, Boot Camp
Gene Fults	GLCI Rangeland Mgt Spec	(503) 273-2430	Rangeland ecology and management, Riparian management and assessment, Riparian Multiple Indicators Monitoring protocols, Ecological Site inventory protocols, National Riparian Service Team contact, Conservation Planning, Prescribed Burning, Wetland Delineations, NRI range and pasture inventory protocol, Range Health, Forage Suitability Groups (FSG), Livestock Issues, Landscape approach to Conservation Planning, National Vegetation Classification Standard.	Riparian Management course; GSAT, Range and Pasture Inventory

Hal Gordon	Agricultural Economist	(503) 273-2411	Field-Level Economic Analysis, Conservation Planning, Grazing Economics, Spreadsheet Tools, Cost Data-Payment Schedules, CPPE, eFOTG	Economics of Conservation Planning Course, Conservation Planning Certification Course, Boot Camp, eFOTG
Marcus Miller	Wildlife Biologist	503-273-2426	Ecological Site Descriptions, Conservation Innovative Grants, Habitat Management, Non-game wildlife: Herptofauna, Pollinators, Bats, Birds, Predators, Wildlife Water, Aspen, Sagebrush, Sage-Steppe, and Grassland Habitat Restoration and Management	Conservation Buffers, Boot Camp, Understanding the Landscape, Conservation Planning, Sage Grouse Workshop, Integrating Fish and Wildlife into Conservation Planning, Pollinators Workshops, Aspen, Sagebrush, Sage-Steppe, and Grassland Habitat Restoration and Management
Peter Robinson	Water Management Engineer	(503) 273-2417	Irrigation, Irrigation Water Management, Irrigation ToolBox	Irrigation Water Management Software, Irrigation Water Management, Basic Irrigation Training, Center Pivot Design, Micro Irrigation Design, Pumps, Hydraulics, Solar Water Pumping , Variable Frequency Drives
Mace Vaughan	Pollinator Specialist	(503) 273-2442	Native bee and honey bee ecology and habitat conservation. Plant selection for pollinator restoration projects. Conservation of habitat for other beneficial insects (e.g. pest management) and other pollinators (e.g. butterflies). Management of habitat for pollinators, other beneficial insects, and invertebrate food for fish and wildlife.	Full day Pollinator Conservation Short Course. Pollinator Conservation Summary. Bee Identification. Pollinator and Wildflower Habitat Establishment. Farm Management to Minimize Impact to Pollinators and Other Beneficial Insects.
Kip Yasumiishi	Civil Engineer	(503) 273-2418	Civil/Design Engineering; Technical support for Survey Engineering Tool and WinXSPRO software, EBAAG representative	Fundamentals Courses for: Soil Mechanics/Geotechnical Engineering, Structural design, Hydraulics, Surveying, Pump Design, Stream Restoration

Vacant	National Technology Specialist	(503) 273-2428	West Region Technical Work Group Coordinator; WNTSC Advisory Board Executive Secretary; Training Coordinator; National Conservation Practice Standards Subcommittee, National Field Office Technical Guide Committee, CPPE National Data Steward, Assistance Tracker, Webmaster, SharePoint, Conservation Delivery Streamlining Initiative Core Team	Conservation Planning, FOTG Level II, Conservation Practice Standards Writing, Orientation for New Employees
Vacant	Forester	(503) 273-2419	Forest inventory and planning, Forest Ecological Site Inventory and Descriptions, Conservation Tree/Shrub Correlation with Agroforestry; Areawide Conservation Planning and Riparian Assessment Technology	Boot Camp; Practice Standard Writing; Conservation Buffers Course; Conservation Forestry Planning; Stream Corridor Restoration Course
Timmie Mandish	Fisheries Biologist		Riparian and aquatic species and habitats: conservation and restoration planning and implementation in stream corridors; Riparian Ecological Site Description, Stream Visual Assessment Protocol(2) oversight; Code 395 Stream Habitat Improvement and Management oversight; NRCS contact for National Fish Habitat Action Plan Federal Caucus, Desert Fish Habitat Partnership, Western Native Trout Initiative, North American Salmon Stronghold Partnership, and California Fish Passage Forum.	Conservation Buffers (NEDC), Fish and Wildlife Habitat Conservation and Management (NEDC), Framework for Stream Corridor Restoration (NEDC), Riparian Ecology and Management, Fish Screen and Fish Passage Design and Implementation, Stream Restoration, Streambank Stabilization.
Vacant	GLCI Rangeland Mgt Spec		Riparian and Wetland Complex Ecological Site Descriptions, Ecological Site Inventory System (ESIS), Conservation Planning, Grazing lands Spatial Analysis Tool (GSAT), Rangeland Inventory & Monitoring	Riparian and wetland complex ecological site descriptions, ecological site inventory, Range/ESD Database, Level II Stream Classification, Grazing lands Spatial Analysis Tool (GSAT).

			(Range/ESD Database), Plant Taxonomy	
Karen Fullen	Ecologist (Environmental Compliance)	(503) 273-2404	Ecological considerations in NEPA; ESA; NHPA; other laws and agency environmental requirements; Conservation Planning; Area-Wide/Watershed Planning	Environmental Training to meet compliance requirements for NEPA, ESA, etc.; NEDC - Environmental Documentation & Procedures (EIS); Integration of Area-Wide/Watershed Planning and NEPA; NRCS Environmental Evaluation (CPA-52)Procedural and Documentation Protocols
Vacant	Rangeland Management Spec.	(503) 273-2407	Rangeland Health, Prescribed Burning, Prescribed Grazing, State and Transition Models Rangeland Inventory/NRI, Ecological Site Descriptions, Brush Management	Rangeland Health Workshop; Prescribed Burning Course; Prescribed Grazing; Rangeland Inventory; Boot Camp

<i>Energy Technology Development Team</i>	Title	Phone	Expertise/Specialties/Duties	Training Courses
Vacant	Leader	(503) 273-2408	CSP Energy tools; Energy conservation, Energy generation, Sustainable agriculture	Conservation Buffers; Nutrient and Pest Management Considerations for Conservation Planning, Energy and Air Quality in Conservation Planning
Kip Pheil	Energy Conservation Specialist	(503) 273-2437	Energy Conservation, Energy Auditing	Energy and Air Quality in Conservation Planning

<i>Air Quality and Atmospheric Change Team</i>	Title	Phone	Expertise/Specialties/Duties	Training Courses
Greg Johnson	Leader	(503) 273-2424	Agricultural Air Quality and Meteorology; Climatology; Atmospheric Change	Air Quality and Atmospheric Change Training for NRCS Employees
Adam Chambers	Air Quality Scientist	(503) 273-2410	Air Quality; Greenhouse Gases and Carbon Sequestration; Airborne Particulate Matter; Cropping Systems for Air Quality Management; Air Quality Regulations	Air Quality and Atmospheric Change Training for NRCS Employees,
Greg Zwicke	Air Quality Engineer	(970)-295-5621	Agricultural Air Quality; Air Quality and Animal Production; Air Quality Regulations; Airborne Particulate Matter	Air Quality and Atmospheric Change Training for NRCS Employees
Vacant	<i>Air Quality Scientist</i>	(503) 273-2438	Air Quality; Fire Emissions and Smoke Management;; Air Quality Modeling; Website Development and Maintenance; Airborne Particulate Matter; Air Quality Regulations	Air Quality and Atmospheric Change Training for NRCS Employees; NRCS Prescribed Burning Smoke Management Courses

Water Quality and Quantity Team	Title	Phone	Expertise/Specialties/Duties	Training Courses
Shaun McKinney	Leader	(503) 273-2413	Hydrology, Fisheries biology	
Joe Bagdon	Pest Management Specialist	(413) 253-4376	Pest management, WinPST, Agronomy	Boot Camp; Nutrient and Pest Management Considerations in Conservation Planning
Chris Gross	Nutrient Management Specialist	(301) 504-3954	Nutrient management, NM policy, agronomy, animal waste, NM planning technology tools, Manure Management Planner (MMP), water quality risk assessment tools, general water quality, AFO/CAFO	Boot Camp, Intro. to WQ, NM&PM Considerations in Cons. Planning, CORE4, Phosphorus in the Environment (in dev.), Nitrogen in the Environment (in dev.), NM Planning Tool Training
Eric Hesketh	Soil Scientist	(413) 253-4374	Pest Management; WIN-PST (all versions); WIN-PST Soils; pesticide environmental issues; NAPRA and GLEAMS models; NRCS Pesticide Properties and Toxicity Database; N leaching index; Soils for modeling; nitrogen cycling; website development and maintenance; Visual Basic; database creation and management	Boot Camp; Nutrient and Pest Management Considerations in Conservation Planning; WIN-PST and NAPRA training.
Harbans Lal	Environmental Engineer	(503) 273-2441	Environmental Modeling, Water Quality and Quantity, Watershed Analysis and Planning, Market-based Approaches, Tool Design and Development	Agricultural Engineering, Ecosystem Trading Tools and Approaches, NLEAP, APEX, NTT, Animal Waste Management, Bio-digesters
William Merkel	Hydrology Team Leader	(301) 504-3956	WinTR-20, WinTR-55, HEC-RAS, AGNPS, GIS, NEH(Hydrology)	WinTR-20, WinTR-55, HEC-RAS, Hydrology Level 3 and 4, AGNPS, GIS/Hydrology
Helen Fox Moody	Hydraulic Engineer	(301) 504-3948	Hydrology, WinTR-20, WinTR-55, SITES	WinTR-20, WinTR-55
Dan Moore	Hydraulic Engineer	(503) 414-3054	Hydraulic modeling, water quality modeling, stream restoration design, computer model development	HecRas, AGNPS, Stream Corridor Restoration
Clare Prestwich	Irrigation Engineer	(503) 414-3075	Irrigation design, water quality, water management	Salinity in soil and water, Center Pivot Design, Microirrigation Design, Pumps, Pipeline Hydraulics, Irrigation System Planning, Irrigation

				Water Management Software, Irrigation Water Management, Basic Irrigation Training, Energy use in irrigation
Quan D. Quan	Hydraulic Engineer	(301) 504-3952	WinTR-20, WinTR-55, Sites, HEC-RAS, AGNPS ,WinDAM, Hydraulics Formula, EFH-2 and WinPond	Boot Camp, HEC-RAS, WinTR-20, WinTR-55, AGNPS , WinPond and EFH-2
W. Barry Southerland	Fluvial Geomorphologist	(503) 273-2436	River restoration planning and natural channel design; Geomorphic stream analysis; Stream processes and planning; Stream and Watershed IDT planning; Stream channel evolution; Pre and post project appraisals; Sedimentation runoff studies; streambank erosion measures; Stream morphometry.	NEDC Framework for Stream Corridor Restoration; NEDC Water Quality in Conservation Planning; Applications in Fluvial Geomorphology to Geomorphic River Restoration – Courses I – IV; Monitoring and Assessment of Stream Restoration Implementation and Design; Stream morphometry; Watershed Assessment of River Stability and Sediment Supply.
Karma Anderson	Water Quality Specialist	(503) 414-3092	Water Quality and Monitoring	
Vacant	Pest Management Specialist	(503) 414-3061		