



# WNTSC EXPERTISE DIRECTORY

Portland Office	Maryland Office	Massachusetts Office
1201 NE Lloyd Blvd Suite 1000 Portland, OR 97232  <b>Main Phone Number:</b> (503) 273-2400 <b>Fax Number:</b> (503) 273-2401	5601 Sunnyside Ave Room 1-2123A, Mail Stop 5420 Beltsville, MD 20705  <b>Fax Number:</b> (301) 504-2295	451 West Street Amherst, MA 01002-2995  <b>Fax Number:</b> (413) 504-4375

Name	Title	Phone
<b>Bruce Newton</b>	Director	(503) 273-2402
<b>Freda Brown</b>	Office Assistant	(301) 504-3946
<b>Evelyn Johnson</b>	Administrative Assistant	(503) 273-2422
<b>Betty Shatto</b>	Administrative Assistant	(503) 273-2403

Core Team	Title	Phone	Expertise/Specialties/Duties	Training Courses
<b>Sally Bredeweg</b>	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
<b>Jim Briggs</b>	Plant Materials Specialist	(503) 273-2427	Plant and technology related development protocols, Assistance to 10 Plant Materials Centers and associated Plant Materials Specialists and other state staff specialists.	Genecology for plant specialists, statistical analysis using 'Statistix 8', Seeding basics
<b>Sarah Brown</b>	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.

<b>Steve Campbell</b>	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
<b>Richard Fasching</b>	Conservation Agronomist	(503) 273-2425	WEPS,WEQ, Cropping Systems, No-till, Residue Mgt,Agronomy standards, HEL, CRP, Salinity, CNMP, Nutrient Mgt, Waste Utilization,MMP, IWM, FSA Compliance, FSA Appeals, Precision Ag, water quality, Cover crops, Strip-till, CIG, Prescribed, Burning, soil health, Energy conserve.	NEDC Nutrient Mgt, WEPS, WEQ, Conservation Planning, Boot Camp, NEDS Salinity Mgt, Dynamic soils Props.,FSACompliance/HEL/WC, Prescribed Burning, Conservation Buffers, soil health tool kit
<b>Giulio Ferruzzi</b>	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
<b>Gene Fults</b>	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

<b>Hal Gordon</b>	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
<b>Russ Hatz</b>	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
<b>Marcus Miller</b>	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
<b>Peter Robinson</b>	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
<b>Mace Vaughan</b>	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	Full day Pollinator Conservation Short Course. Pollinator Conservation Summary. Bee Identification. Pollinator and Wildflower Habitat Establishment. Farm Management to Minimize

			(e.g. butterflies). Management of habitat for pollinators, other beneficial insects, and invertebrate food for fish and wildlife.	Impact to Pollinators and Other Beneficial Insects.
<b>Kip Yasumiishi</b>	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
<b>Craig Ziegler</b>	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
<b>Vacant</b>	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.
<b>Vacant</b>	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 (Range/ESD Database), Plant Taxonomy	Riparian and wetland complex ecological site descriptions, ecological site inventory, Range/ESD Database, Level II Stream Classification, Grazing lands Spatial Analysis Tool (GSAT).
<b>Vacant</b>	Ecologist (Environmental	(503) 273-2404	Ecological considerations in NEPA;	Environmental Training to meet

	Compliance)		ESA; NHPA; other laws and agency environmental requirements; Conservation Planning; Area-Wide/Watershed Planning	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
<b>Vacant</b>	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

<b><i>Energy Technology Development Team</i></b>	<b>Title</b>	<b>Phone</b>	<b>Expertise/Specialties/Duties</b>	<b>Training Courses</b>
<b>Vacant</b>	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
<b>Kip Pheil</b>	Energy Conservation Specialist	(503) 273-2437	Energy Conservation, Energy Auditing	Energy and Air Quality in Conservation Planning

<b><i>Air Quality and Atmospheric Change Team</i></b>	<b>Title</b>	<b>Phone</b>	<b>Expertise/Specialties/Duties</b>	<b>Training Courses</b>
<b>Greg Johnson</b>	Leader	(503) 273-2424	Agricultural Air Quality and Meteorology; Climatology; Atmospheric Change	Air Quality and Atmospheric Change Training for NRCS Employees
<b>Adam Chambers</b>	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,
<b>Greg Zwicke</b>	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
<b>Vacant</b>	<b><i>Air Quality Scientist</i></b>	(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

<b><i>Water Quality and Quantity Team</i></b>	<b><i>Title</i></b>	<b><i>Phone</i></b>	<b><i>Expertise/Specialties/Duties</i></b>	<b><i>Training Courses</i></b>
<b>Shaun McKinney</b>	<b><i>Leader</i></b>	(503) 273-2413	Hydrology, Fisheries biology	
<b>Joe Bagdon</b>	Pest Management Specialist	(413) 253-4376	Pest management, WinPST, Agronomy	Boot Camp; Nutrient and Pest Management Considerations in Conservation Planning
<b>Chris Gross</b>	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
<b>Eric Hesketh</b>	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.
<b>Harbans Lal</b>	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
<b>William Merkel</b>	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
<b>Helen Fox Moody</b>	Hydraulic Engineer	(301) 504-3948	Hydrology, WinTR-20, WinTR-55, SITES	WinTR-20, WinTR-55
<b>Dan Moore</b>	Hydraulic Engineer	(503) 414-3054	Hydraulic modeling, water quality modeling, stream restoration design, computer model development	HecRas, AGNPS, Stream Corridor Restoration
<b>Clare Prestwich</b>	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
<b>Quan D. Quan</b>	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
<b>W. Barry Southerland</b>	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.
<b>Vacant</b>	Wetland/Drainage Engineer	(503) 414-3092	Drainage management, Wetland hydrology, Water budget	SPAW Water Budget Model; Drainmod Agricultural Drainage System Evaluation; Salinity Management (NEDC); Introduction to Water Quality (NEDC)
<b>Vacant</b>	Pest Management Specialist	(503) 414-3061		