



PATU Coldwater Conservation Corps Training Agenda

Saturday, July 17, 2010 8:00 am – 4:30 pm Cameron County Recreation Center Emporium, Pennsylvania	
8:00 - 8:30 am	Registration and Coffee
8:30 – 9:00 am	Welcome and Introductions Introduction and Mission of the PATU Coldwater Conservation Corps - Bob V. <ul style="list-style-type: none"> • Reasons for Establishing the PATU CCC • Objectives • Monitoring and Surveillance • Role of the Volunteer Stream Steward • Review of Handouts and Using your Field Manual and Monitoring Protocol and Kit
9:00 – 10:00 am	Gas Well Development – The Process and the Concerns - Deb N. <ul style="list-style-type: none"> • Well Site Development • Well Drilling – How It's Done • Environmental Risks • Permits and Approvals • Importance of Baseline Monitoring and Reporting Incidents
10:00 – 10:15 am	Break
10:15 – 11:30 am	Determining Where the Wells Are & Choosing Site Locations <ul style="list-style-type: none"> • Why do I need to understand coordinates and well locations? – Bob V. • Understanding Coordinates and GPS – Bob V. • Identifying sites: <ul style="list-style-type: none"> • Using Pa DEP's eNotice and/or DEP well location databases – ALLARM & Bob • Finding wells on PA DEP eMapPA and Google Maps - ALLARM • Using Topographic maps – Bob V. • Strategy for choosing sites – Deb N.
11:30 – 12:15 pm	Lunch
12:15 – 12:30 pm	General Rules and Personal Safety Considerations – Bob V. <ul style="list-style-type: none"> • Rules of Conduct • Property Access • Personal Safety
12:30 – 1:15 pm	Visual Observations – What to Look For - Bob V. and Deb N. <ul style="list-style-type: none"> • Erosion and Sedimentation • Spills and Other Discharges • Water Withdrawals, Pumping and Trucking • Free Gas
1:15 – 3:15 pm	Monitoring Water Quality - ALLARM <ul style="list-style-type: none"> • Key Water Parameters (pH, TDS, Conductivity, Flow) • Taking Samples • Calibration and Use of Field Meters • Data Quality Assurance • Interpreting Data

3:15 – 3:30 pm	Break
3:30 – 4:00 pm	Recording and Reporting Data - Bob V. <ul style="list-style-type: none"> • Using the Field Notebook • Water Quality Data Forms • Importance of Photographs or Video Footage
4:00 – 4:15 pm	Who To Contact...and When - Bob V. <ul style="list-style-type: none"> • Using the Decision Diagram • Agency Contact Information
4:15 – 4:30 pm	Wrap Up and Evaluation - Deb

Handouts: PATU whitepaper, Field Manual, Monitoring Protocol, Equipment List, Field Pocket Guide, Field Notebook, presentations, field data sheet