

# MINNESOTA GREAT TRAILS WORKSHOP

Biwabik, MN

September 19-21, 2017

## Tuesday

- 8:30am - 9:00am **Check-in**
- 9:00am - 9:30am **Introductions, Getting Started and Agenda Overview**  
Introductions, what is NOHVCC, workshop objectives and overview, questions to be answered, ground rules, housekeeping, etc.  
*Marc Hildesheim, NOHVCC*
- 9:30am - 9:45am **Introduction to “Great Trails”**  
A new resource has been released that will provide detailed information about The Great Trail Continuum- integrating planning, design, construction, maintenance, and management of motorized trails.  
*Russ Ehnes*
- 9:45am - 10:15am **What Makes a Great Trail Great**  
The elements of WOW- understanding the physical and human elements  
The Great Trail continuum- integrating planning, design, construction, and maintenance  
The trail must change with the landscape- the need for adaptive management.  
The key elements for success  
*Russ Ehnes*
- 10:15 - 10:30am **Break**
- 10:15am - 11:15am **OHV Management Fundamentals**  
Because we are all part of the process, we all must understand basic principles that help provide for the rider’s needs and successfully manage OHV recreation. This session discusses eight key elements to achieve management success: the need for management, 4Es, 3Ds, seat time, speed, one-way trails, variety, and quality.  
*Russ Ehnes*
- 11:15am - 12:15pm **OHV Trail Planning Principles**  
Elements that the planner needs to know and understand  
Balancing riders’ needs with resource protection  
Understanding the role of quantity, systems, and quality  
Trail Management Objectives (TMO)  
Planning strategies for better trails now and into the future  
Change and adaptive management  
*Russ Ehnes*
- 12:15pm – 12:45pm **Lunch-Provided for registered attendees**
- 12:45pm - 1:15pm **What is Sustainability?**  
What it means or how to achieve it  
Harmony and flow  
Four aspects of sustainability

Basic guidelines for sustainable trails  
*Jack Terrell, NOHVCC*

- 1:15pm – 2:15pm **Engineering 101**  
Why do I need to know this stuff?  
How engineering affects design, construction, and maintenance  
Understanding the physical forces being applied to the trail  
Water 101  
Rolling Dips- the good and the bad  
Climbing turns vs. switchbacks  
Understanding tread watersheds  
*Russ Ehnes*
- 2:15pm - 3:30pm **Trail Layout and Design**  
In designing an OHV trail, the designer is managing the use, providing for the riders' needs, and insuring resource protection.  
Sixteen guidelines for good trail design.  
*Russ Ehnes*
- 3:30pm - 3:45pm **Break**
- 3:45pm - 4:00pm **How Do I Know If I Have a Problem?**  
An overview of problem indicators  
*Marc Hildesheim, NOHVCC*
- 4:00pm - 4:30pm **The Critical Role of Maintenance**  
Understanding the maintenance process and how it fits into the Continuum.  
Using the 4Es in maintenance. The importance of the TMO.  
Tips for effective maintenance.  
*Marc Hildesheim, NOHVCC*
- 4:30 pm - 4:45pm **Rampart Range – An OHV Trail System Success**  
The incredible story of using partnerships to preserve and improve a heavily used, near urban, trail system. All of the tools that we've talked about today helped make this transition: 4Es, partnerships, grants, commitment, sound planning and design, applying sustainability basics.  
*Jack Terrell & Marc Hildesheim, NOHVCC*
- 4:45pm - 5:00pm **Wrap Up & Evaluation**  
An overview of trail issues and challenges at the. Information about Wednesday (September 20) and Thursday (September 21) field sessions will be provided.  
Field sessions will include:  
    Creative trail design and layout exercises  
    Trail relocation exercises  
    Trail maintenance techniques exercises  
    Trail construction demonstration  
    Trail maintenance equipment demonstrations

## **Wednesday-**

- 8:00am - 9:00am **Field Session #1**  
Meet at Trailhead  
Safety Briefing  
What do I need in the field?  
Ground Rules  
Overview of Trailheads: What should we provide for our customers?  
OHV Safety Gear Requirements
- 9:00am - 9:15am **Break and Gear Up**
- 9:15am - 12:00pm **Field Session #2**  
Observe and discuss trail issues  
Providing solutions for trail issues  
Equipment Demonstrations  
Use Considerations  
Signing Discussions  
Reroute Considerations  
Layout and Design Discussion
- 12:00pm - 1:00pm **Lunch: Provided for registered attendees**
- 1:00pm – 2:00pm **Field Session #3**  
Flag tying Tips  
How to Lay Out a Curve in the Field  
Clinometer Tutorial  
Break into Teams
- 2:00pm – 5:00pm **Field Session #4: Group Exercise**  
Trail Layout and Design
- 5:00pm **Break for Evening**

## **Thursday-**

- 8:00am - 9:00am **Meet at Trailhead and Review**
- 9:00am - 9:15am **Break and Gear Up, Travel to field exercise location**
- 9:15am - 12:00pm **Field Session #5: Group Exercise**  
Review of small team layout and design exercise
- 12:00pm - 1:00pm **Lunch: Provided for registered attendees**
- 1:00pm - 4:00 pm **Field Session #6: Visit trail issues and successes**
- 4:00pm – 4:30pm **Wrap-up**

Thank you to the following organizations for your support in making this workshop possible:

*IronRange Tourism*



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NATURAL RESOURCES