

2018 GREAT TRAILS WORKSHOP
Onamia, MN
April 26-28, 2018

Thursday, April 26

- 7:30am - 8:00am **Check-in**
- 8:00am - 8:30am **Introductions, Getting Started and Agenda Overview**
Introductions, workshop objectives and overview, questions to be answered, ground rules, housekeeping, etc.
Marc Hildesheim, NOHVCC
- 8:30am – 8:45am **What Makes a Great Trail Great**
The Great Trail continuum- integrating planning, design, implementation/construction, maintenance, and management.
The elements of WOW- understanding the physical and human elements
The trail must change with the landscape - the need for adaptive management.
The key elements for success
Dick Dufourd, RecConnect LLC
- 8:45am - 9:45am **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.
Dick Dufourd, RecConnect LLC
- 9:45 - 10:00am **Break**
- 10:00am - 11:00am **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
Dick Dufourd, RecConnect LLC
- 11:00am-11:45am **Trail Management Objectives Development: Small Group Exercise**
Creating a TMO for a motorized trail
- 11:45am - 12:00m **What is Sustainability?**
What it means and how to achieve it
Harmony and flow
Four aspects of sustainability
Basic guidelines for sustainable trails
Jack Terrell, NOHVCC
- 12:00pm – 12:30pm **Lunch: Provided for registered attendees**
- 12:30pm – 1:45pm **Wetlands Presentation:**
How your trail can coexist with Minnesota wetlands
Jacob Frie, Environmental Services Supervisor, Crow Wing County 12:30pm – 12:55pm
- What is a wetland and why are they important
 - Different types of wetlands
 - How to identify wetlands
 - Minnesota wetland regulations

Sara Thompson, Forest Recreation Specialist, Itasca County Land Department

12:55pm – 1:20pm

- Process of Permitting and Mitigation (includes required forms, square footage requirements, exemptions that go along with permitting)
- Options to avoid impacts
- Technical Assistance - Delineation
- Agencies who can help

Chris Johnson, Aitkin County, Recreation Specialist 1:20pm – 1:45pm

- Implementation of Wetland Crossings, Identifying the correct appropriate crossing for specific wetlands.
- Structure Implementations, What has worked for the Aitkin County Land Department
- Construction of structures
- Materials and Costs

1:45pm – 2:00pm

Break

2:00pm - 3:00pm

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

Dick Dufourd, RecConnect LLC

3:00pm – 4:00pm

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.

Dick Dufourd, RecConnect LLC

4:00pm - 4:15pm

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

4:15pm – 4:45pm

Putting it all to use: Small group exercise

Understanding the process of applying the tools you learned today in real-world scenarios

4:45pm - 5:00pm

Wrap Up & Evaluation

An overview of trail issues and challenges at the Red Top Trailhead. Information about Friday (April 27) and Saturday (April 28) field sessions will be provided.

Field sessions will include:

Creative trail design, layout and relocation exercises

Wetland area protection and crossings

Controlling water on trails

Trail construction and maintenance demonstrations and exercises

Trail design considerations for different types of OHV

Friday, April 27

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

Saturday, April 28

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:

