

Welcome to **Introduction to Orienteering**

Minnesota Orienteering Club

Why orienteer?

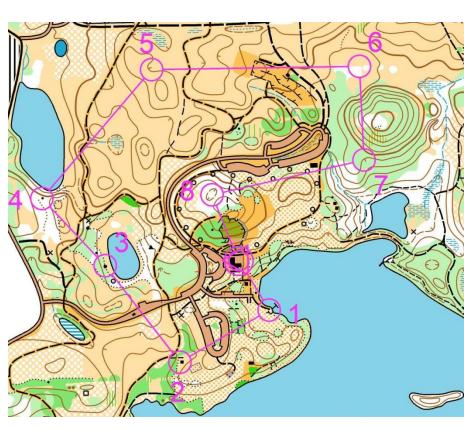


- Build skill and confidence to travel in unfamiliar places. Getting lost can ruin your day!
- Hiking/ Jogging with a purpose in a beautiful setting
- Satisfaction of accomplishing a difficult task without help. Self reliance.
- Fitness ... running or walking
- Physical and intellectual exercise at the same time (the best of both worlds)
- Fun for all ages and abilities

The Basics of Orienteering

- Object: Finding a number of control points marked on the map, located in park but not hidden.
- In order
- Against time if you wish
- Using map & compass and clue sheet
- Alone or with friends







- Placed in terrain and marked correspondingly on a map.
- Has a unique "punch" to punch the control card
- Has a clue (e.g. hilltop)
- Control ID number
- A course is a preset number of controls.



3 basic skills



- Reading what's on the map
- Understanding scale and distance
- Orienting the map

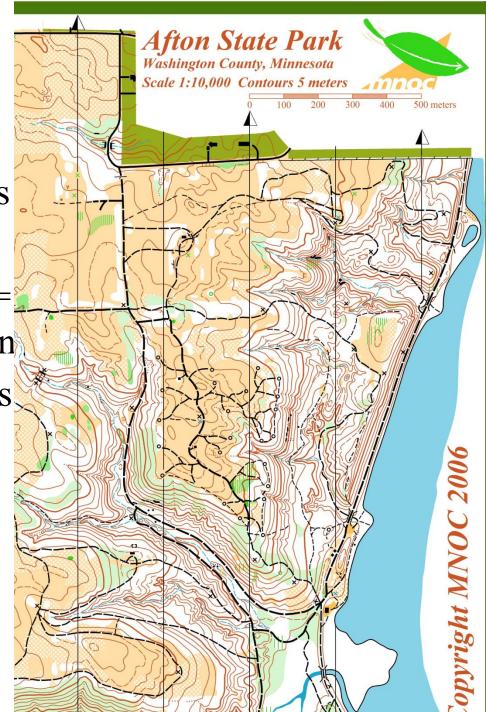
Clue sheet Example

- mnoc
- White/Yellow/Orange/Brown/ Green/ Red: difficulty levels as you prefer
- Clue sheet gives the order, the flag number and the feature

```
WHITE
        3.5 km 75 m climb
          Building
Start:
              trail junction
 1- 102
 2- 106
              stream junction
 3 - 108
              S tip of marsh
 4 - 113
              Hilltop
 5- 115
              Stream bend
Finish:
          Building
```

Important features in a map

- Brown = earth forms
- Black = man-made objects
- Blue = water
- Green, *Yellow and White* = various kinds of vegetation
- Magenta = course symbols
- STUDY THE LEGEND
- Check MAGNETIC DECLINATION
- USE THE SCALE



Map scale... size



- Very important to keep good relationship between the map and the terrain
- 1: 10,000 means
 1 mm on the map is 10,000mm or 10 meters on the ground

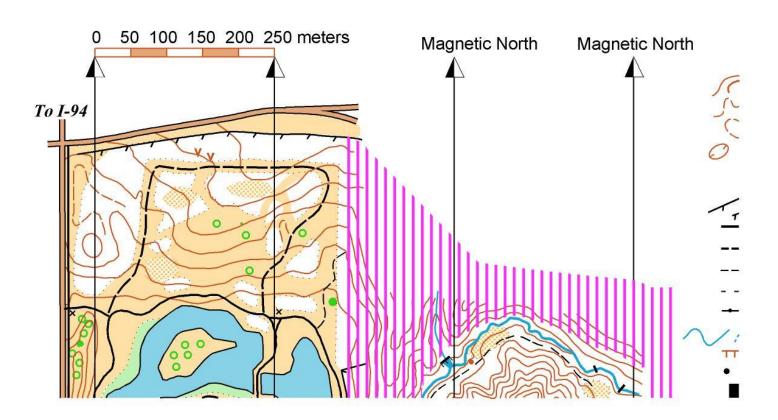
Note: most USGS maps are 1:24,000

1 mm on map = 24,000mm = 24 meters on the ground

Or 1 inch = 24,000 inches = 2000 feet on the ground

Forget the math: Use the scale ruler on the edge of the map

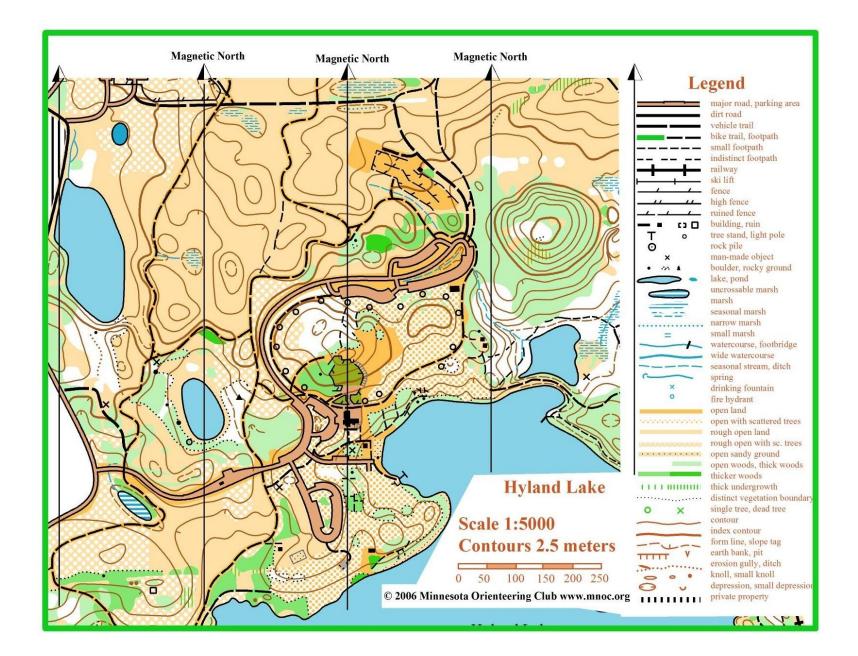
Scale and distance BATTLE CREEK REGIONAL PARK (East) Scale 1: 10,000 2.5 m contours

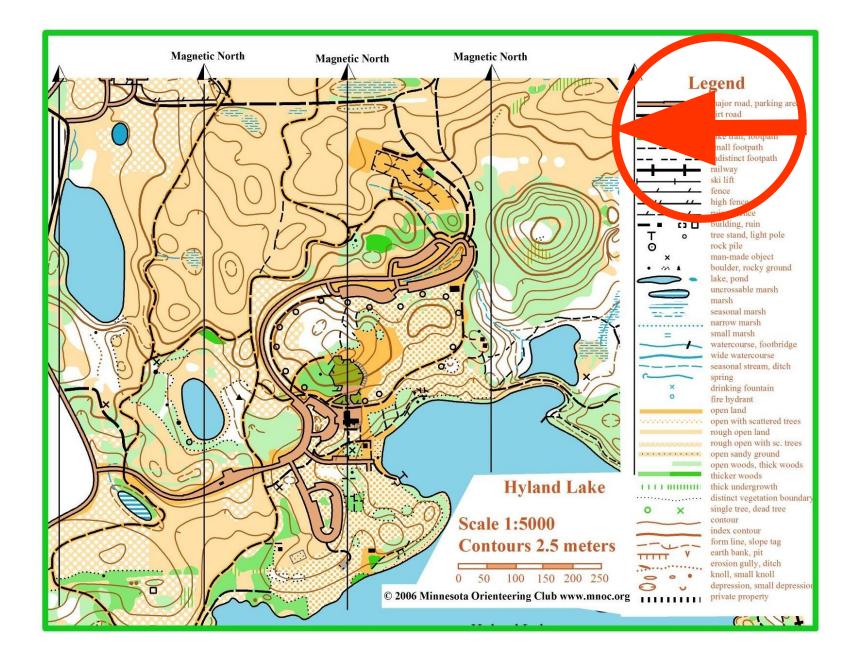


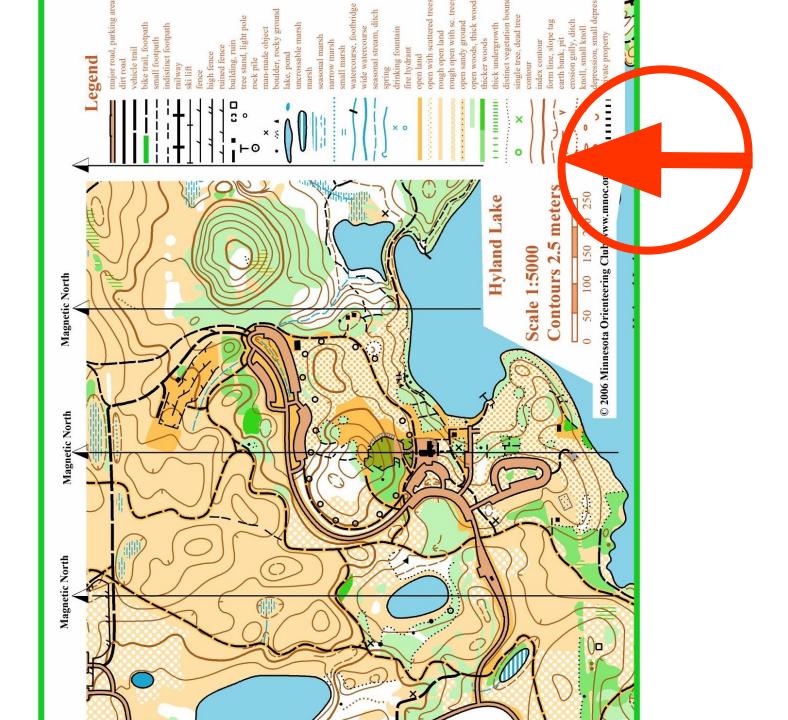
Orienting the map



- Key skill to help you understand the map
- Map is always lined up with the surrounding features
 - Map North to actual North
 - Map feature to actual feature
- Practice w/Hyland map







Using the map and orienting it correctly at all times

- Use the map to move around the park
- Keep the map oriented
- Use your thumb to keep track of your position ("thumbing")

Finding Your Way



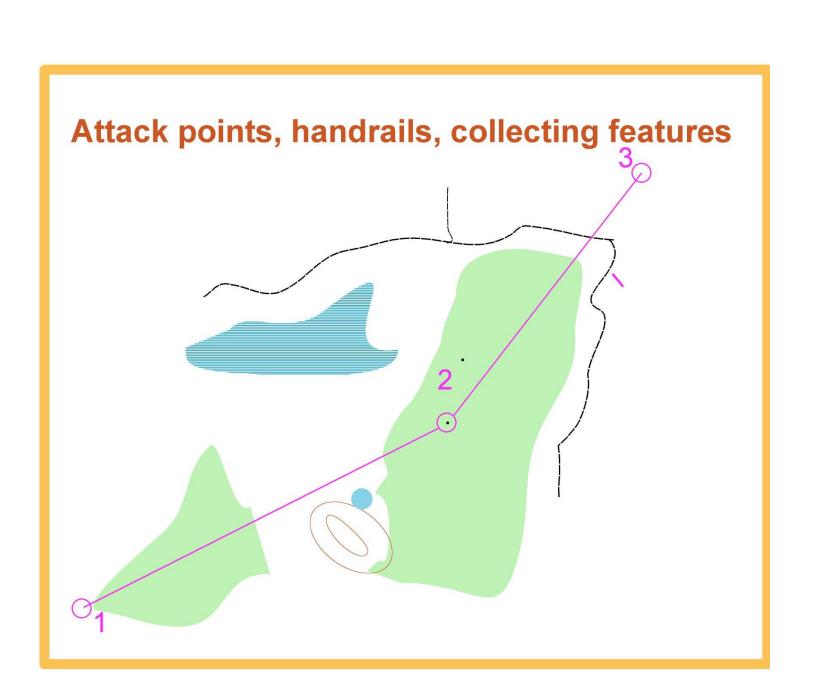
- Relate terrain you see to the map
- Use compass (as necessary)
- Decide a good route choice (low risk vs high risk)
- Choose features to help you

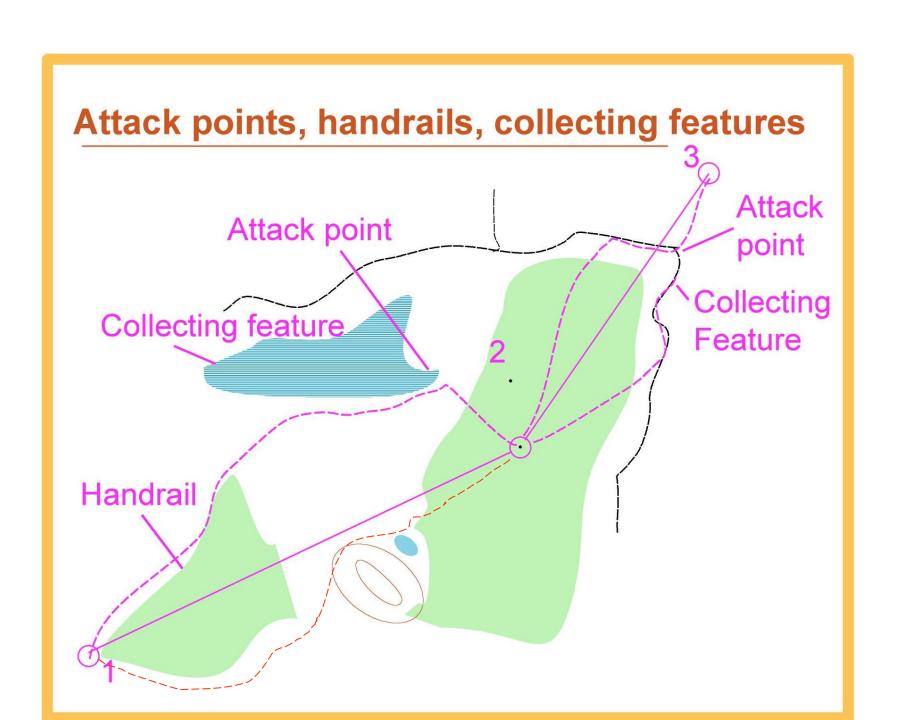


Route planning and strategy



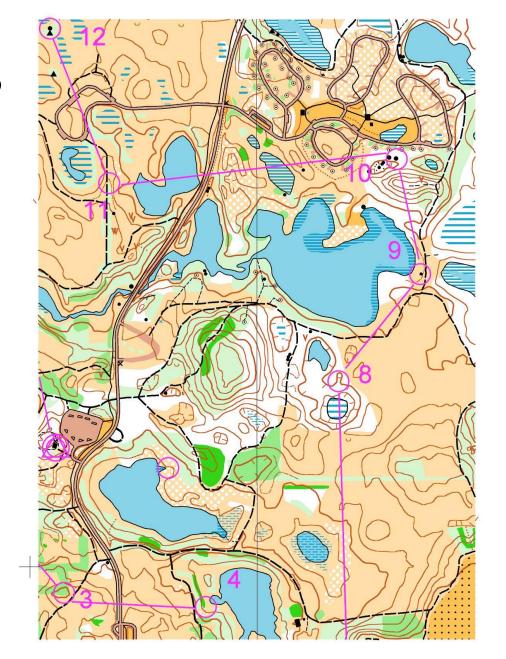
- Manage the risk ... use the features of the terrain to guide you
- Use compass with the map
- Straight line bearing (up and over hills, through swamps, thick vegetation) is NOT the best way





Route choice tips

- Going straight up and over hills, or through thick vegetation may not be the quickest way
- Use handrail features
- Use attack points
- Use catching features



MN Orienteering Club



- Meets about every 2 weeks in spring and fall
- About 180 members all ages and abilities
- Permanent courses (Lake Elmo, Tamarack Nature Center, Afton, River Bend)
- Schedule is at www.mnoc.org
- Membership of \$16/ year (individual), \$22 family, \$50 (group) reduced fee at meets, members only meets.

MNOC Schedule Spring/Summer 2023



We are offering a full complement of Orienteering in 2023.

There is always a skill level variant at our meets.

We are always willing to share tips, talk through your experience, and socialize with outdoor oriented people.

Skills Clinic at French Regional Park

Saturday, April 29, 2023 Learn more and register Skills Clinic

Battle Creek Regional Park, Adventure Run

Thursday, June 8, 2023
Learn more and register
Adventure Run

Location TBD, Adventure-O

Saturday, July 8, 2023 More information coming Adventure-O

Interstate State Park

Sunday, September 24, 2023 Learn more and register Regular Meet

Lake Elmo Park Reserve

Sunday, October 22, 2023 Learn more and register Regular Meet

Lake Maria State Park

Sunday, May 14, 2023 Learn more and register Regular Meet

Tamarack, Adventure Run

Thursday, June 15, 2023 Learn more and register Adventure Run

Riverbend Nature Center Bike-O

Sunday, August 6, 2023 More information coming Mountain Bike-O

Mille Lacs Kathio State Park

Saturday, October 7, 2023 Learn more and register Regular Meet

Theodore Wirth Veteran's Night-O

Saturday, November 11, 2023 Learn more and register Night-O

Afton State Park

Sunday, May 21, 2023 Learn More and Register Regular Meet

Beards Plaisance Picnic/Annual Meeting

Thursday, June 29, 2023 Learn more and register Annual Meeting

Como Regional Park, Adventure Run

Thursday, August 17, 2023 Learn more and register Adventure Run

Sever's Corn Maze-O

Sunday, October 15, 2023
Learn more and register
Corn Maze-O

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Archived events

PAST

EVENTS

MNOC French RP Skills Clinic

- White Guided Course
- Yellow on your own (Route Planning Advice available)
- Orange Sprint course with e-punch
- Maze

Audience Background

- How many people have ever been orienteering and/or adventure racing before?
- How many know how to use a protractor or orienteering compass?
- How many are here who are youth group leaders/ teachers?

Orienteering

- A multidimensional craft honed by practice and experience
- learning to read the terrain
- using a map and compass
- planning a good route
- implementing that route
- CUNNING RUNNING/BIKING CANOEING/SNOWSHOEING/SKIINGthe thinking sport



