



Thinking ahead about routes and alternatives

ROUTE PLANNING

A valley that offers true solitude can provide an exhilarating experience for the soul.
Just don't go in there alone.
Jack McDevitt (2011) **Firebird**.



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Route Planning

The Basics...

- Select a trip that suits your abilities
 - Physical
 - Technical/Mettle
- Gather Information
- Evaluate Routes and Select One (“Map Study”)
- Add key waypoints



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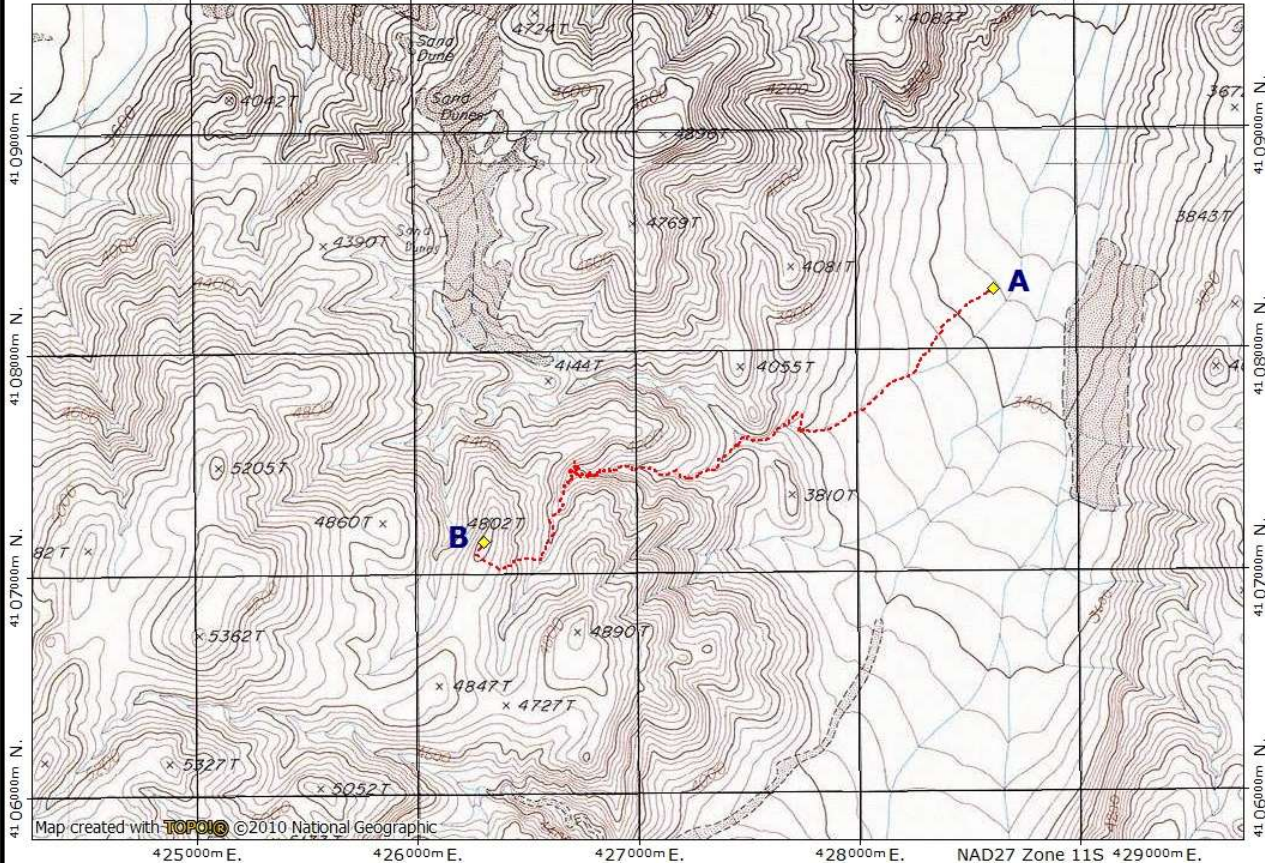
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Route Planning

Map printed on 04/05/17 from "Hidden Dunes - Navigation Exercise.tpo"

425000m E. 426000m E. 427000m E. 428000m E. 429000m E. NAD27 Zone 11S

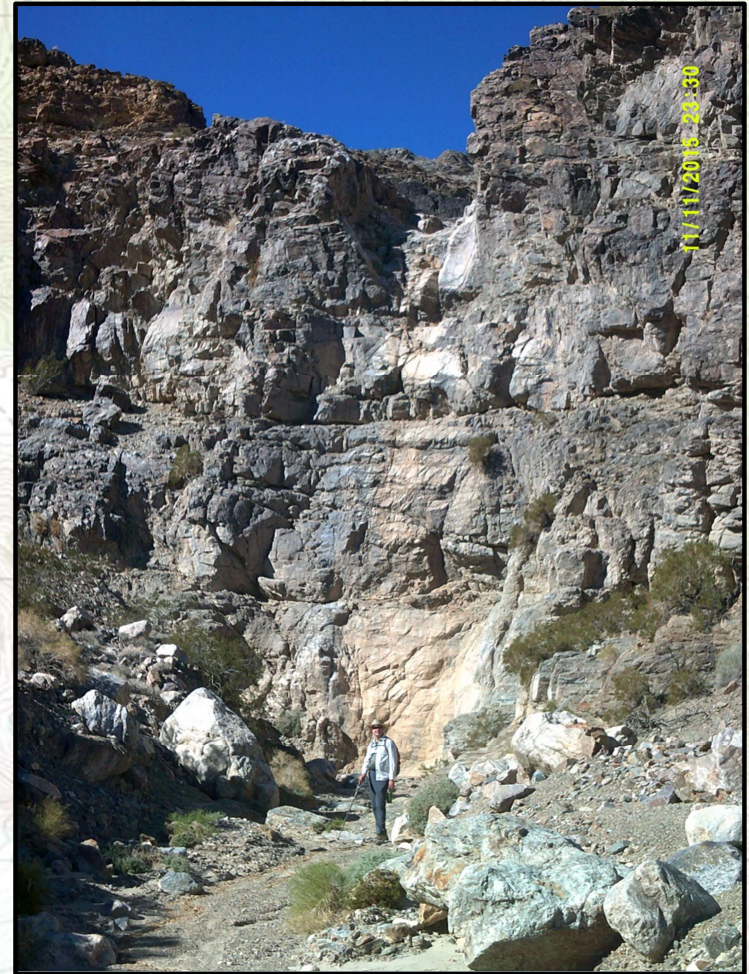


Map created with TOPOLIC © 2010 National Geographic



0.0 0.5 1.0 miles
0.0 0.5 1.0 1.5 km

TN°/MN
12½°
04/05/17



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Route Planning Information Types

- Elevation gain
- Distance
- Weather/Seasonal conditions



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Route Planning Proposing Routes

- Estimate the time needed for route segments
- Determine the amount of daylight available
- Condition, number in the party
- Equipment needs



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Route Planning: Terrain Features

- Handrails
- Baselines
- Intentional Offsets
- Catch Points
- Prominent Peaks

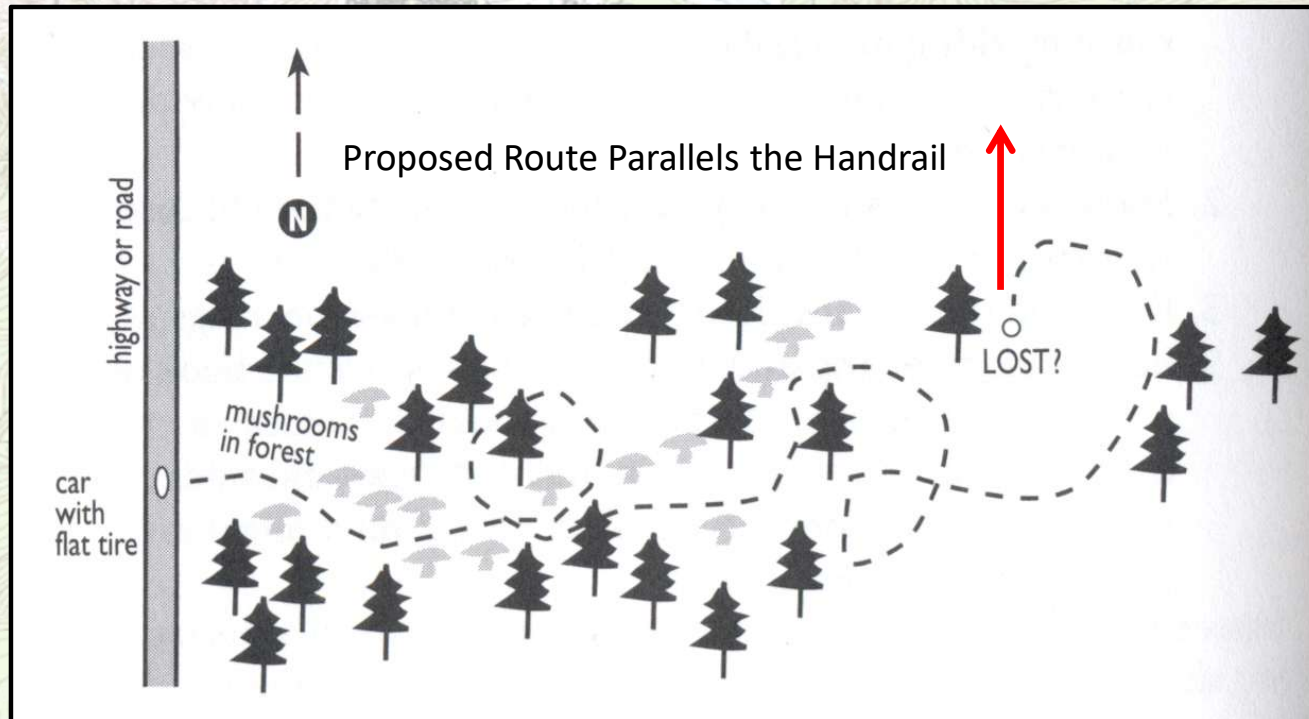


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Route Planning: Handrail



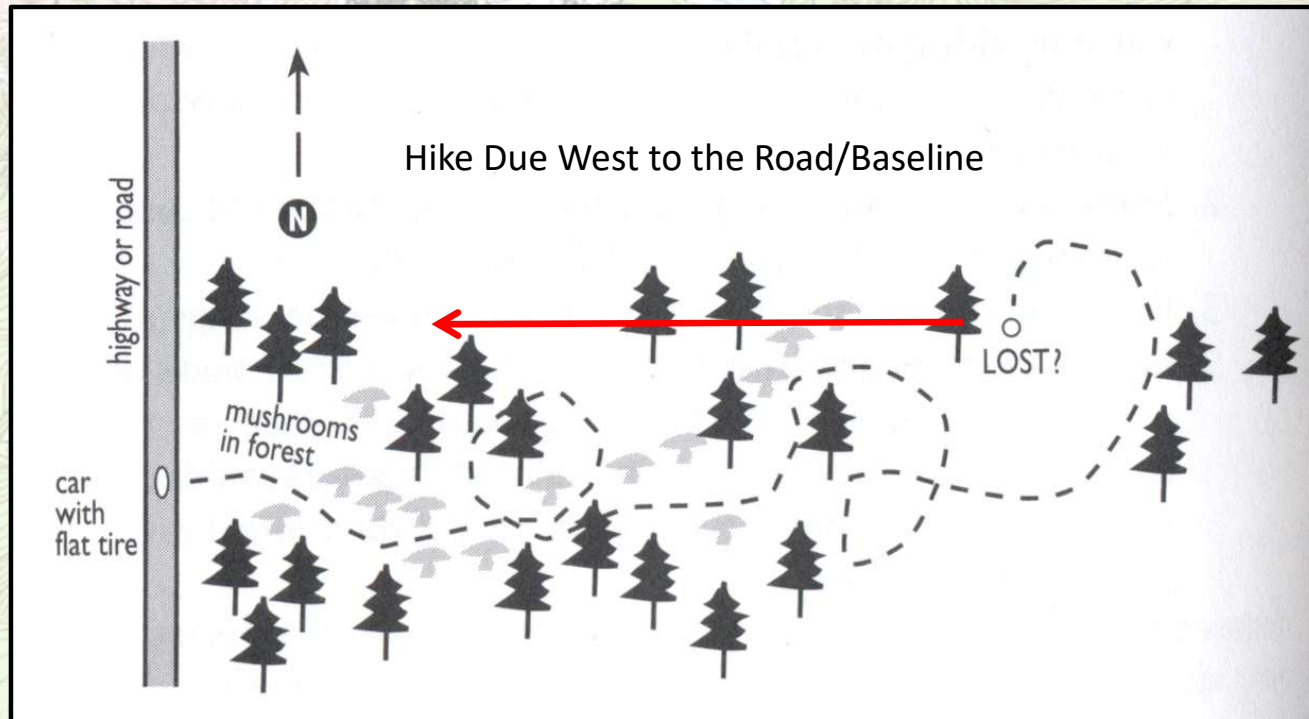
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Ref: Burns and Burns (2015), p. 82

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Route Planning: Baseline



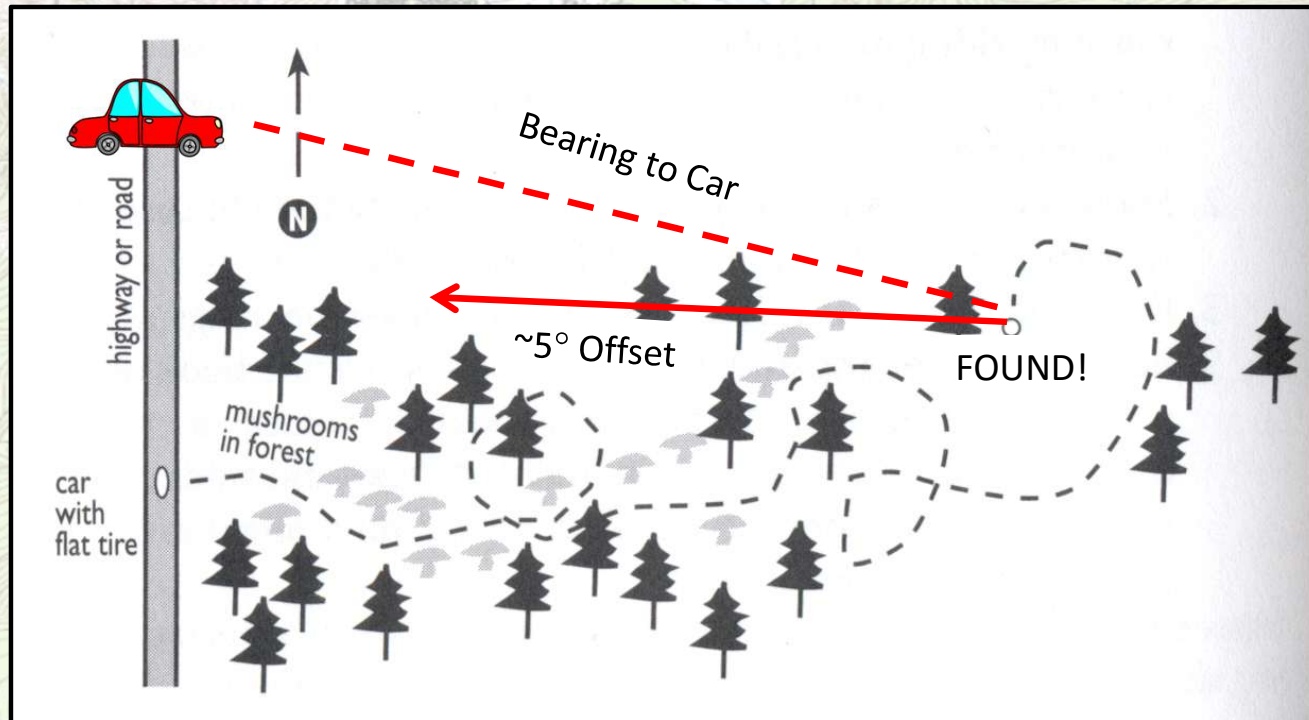
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Ref: Burns and Burns (2015), p. 82

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Route Planning: Intentional Offset or “Aiming Off”



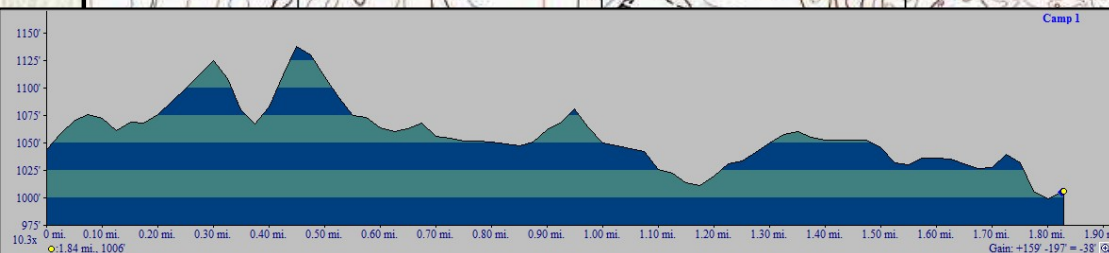
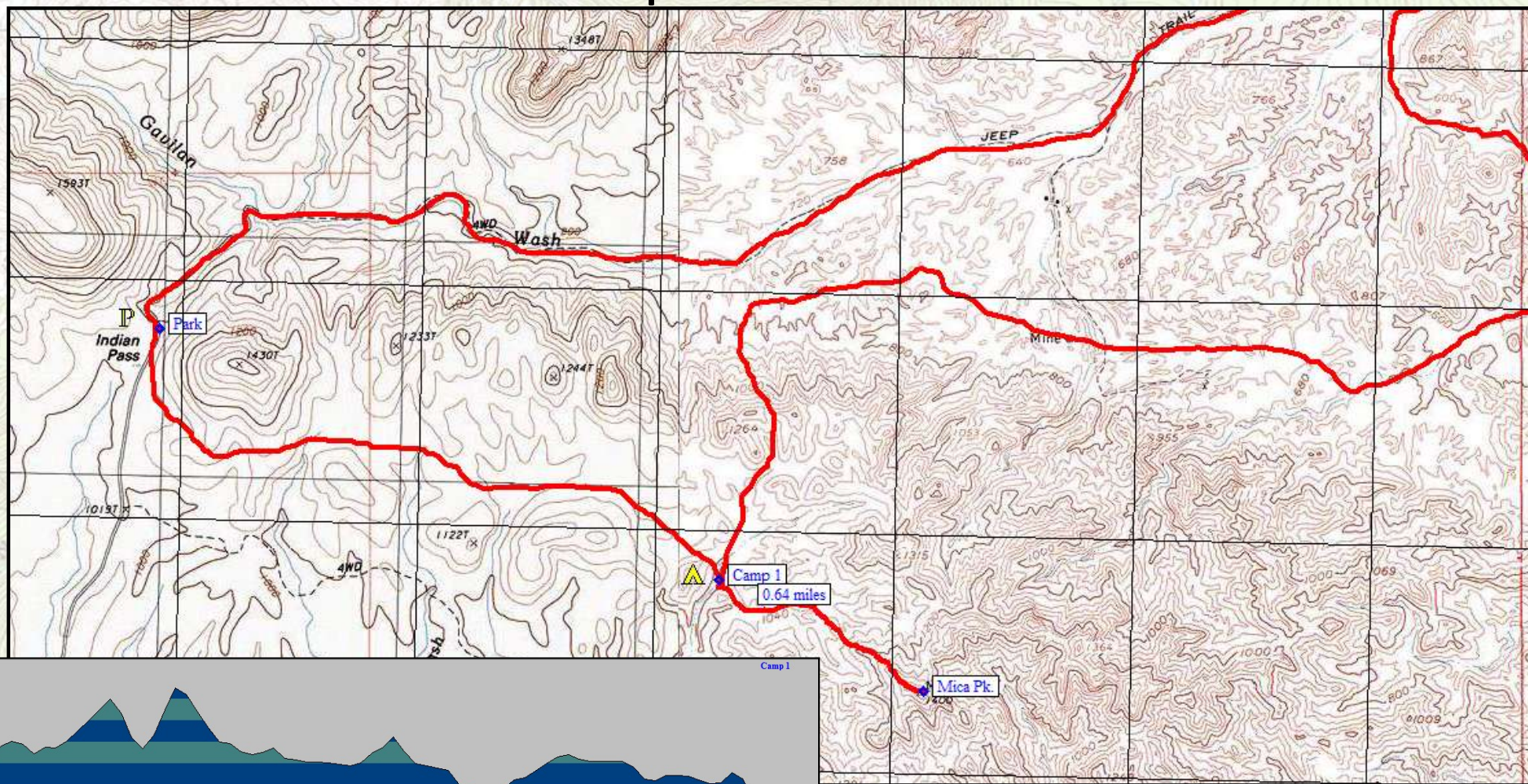
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Ref: Burns and Burns (2015), p. 82

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Proposed Route



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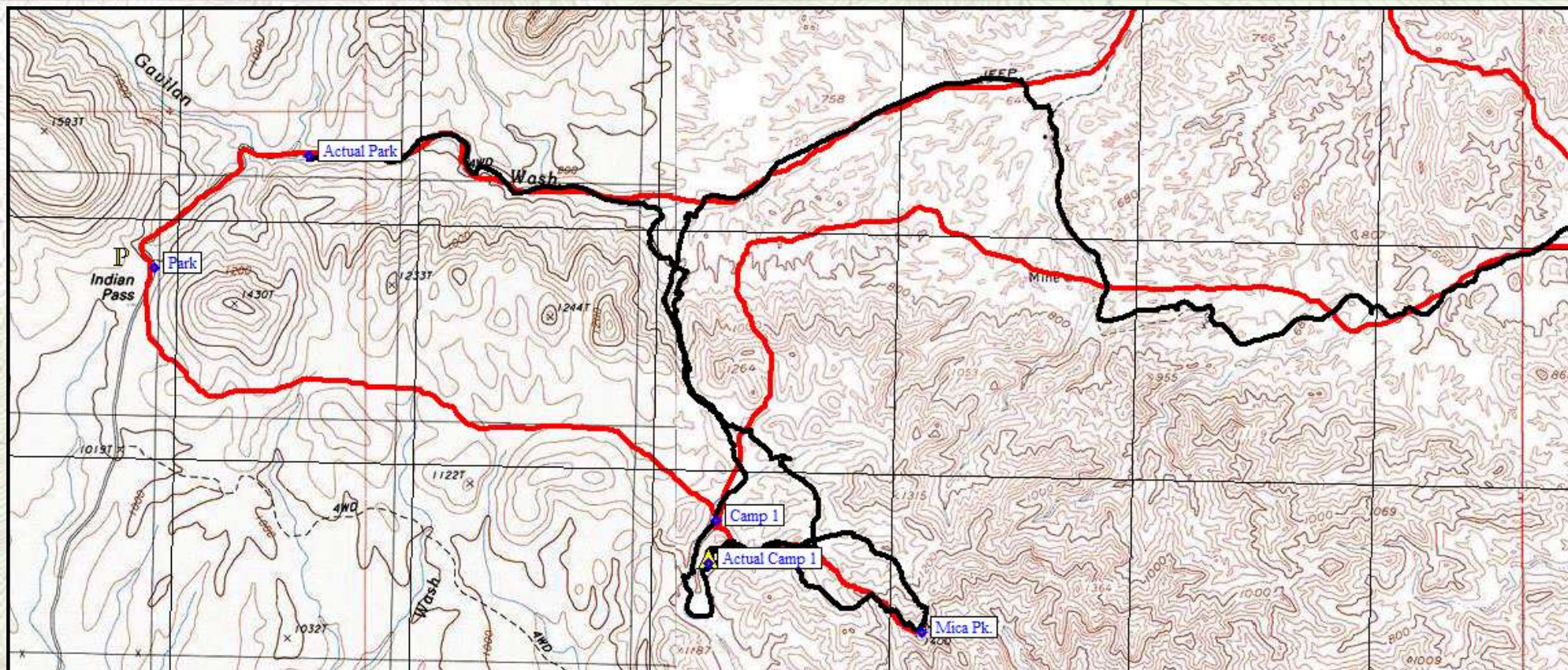
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Route Planning On the Trip

- Be Flexible
- Turnaround Time
- Weather
- Confirm route against description
- Record the time taken for route segments
- Available Time
- Keep an eye on the party



Be Flexible



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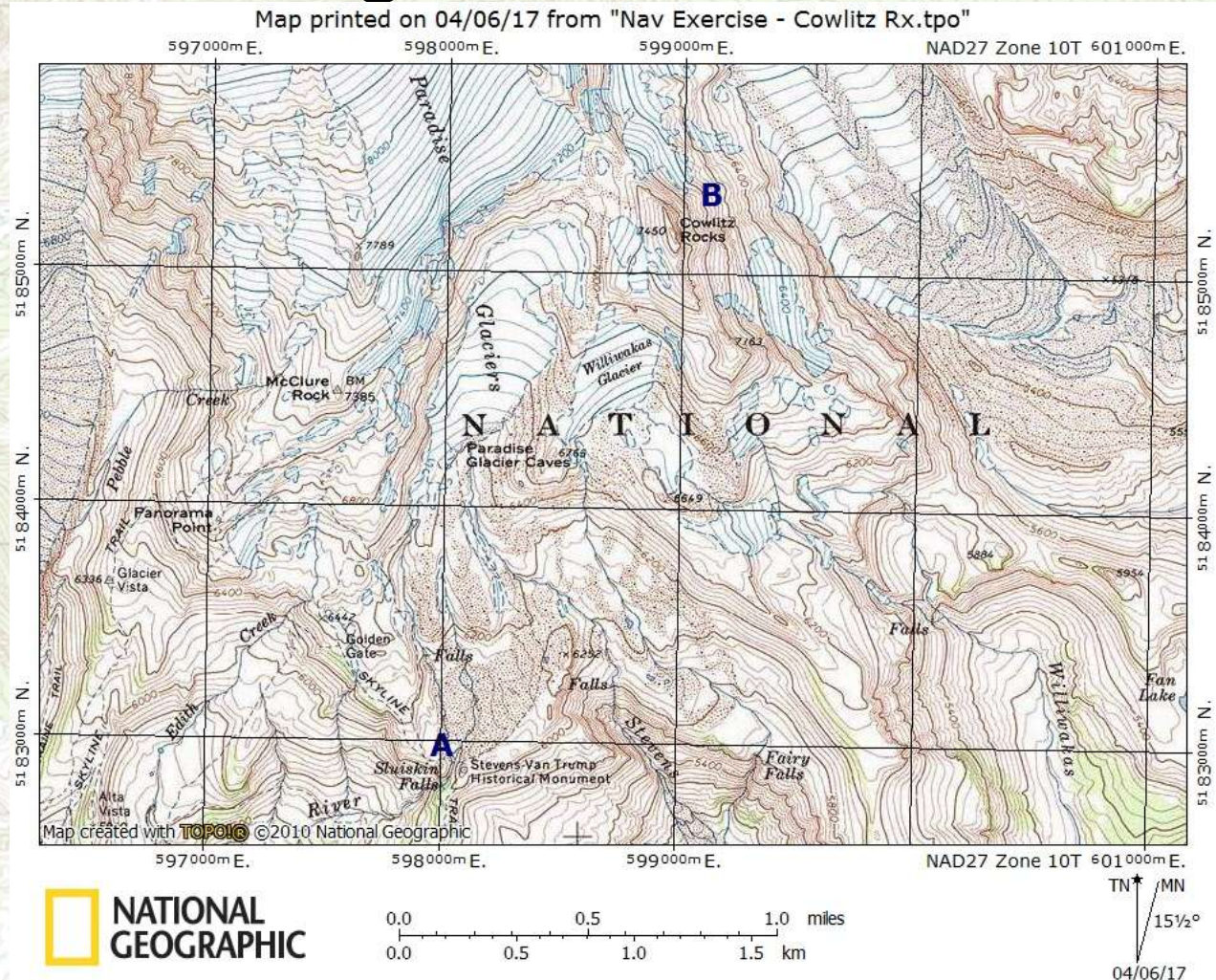
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Route Planning Exercise

Plot a route from Point A, Van Trump Monument, to Pt. B, Cowlitz Rocks

Assume you are avoiding glacier travel.



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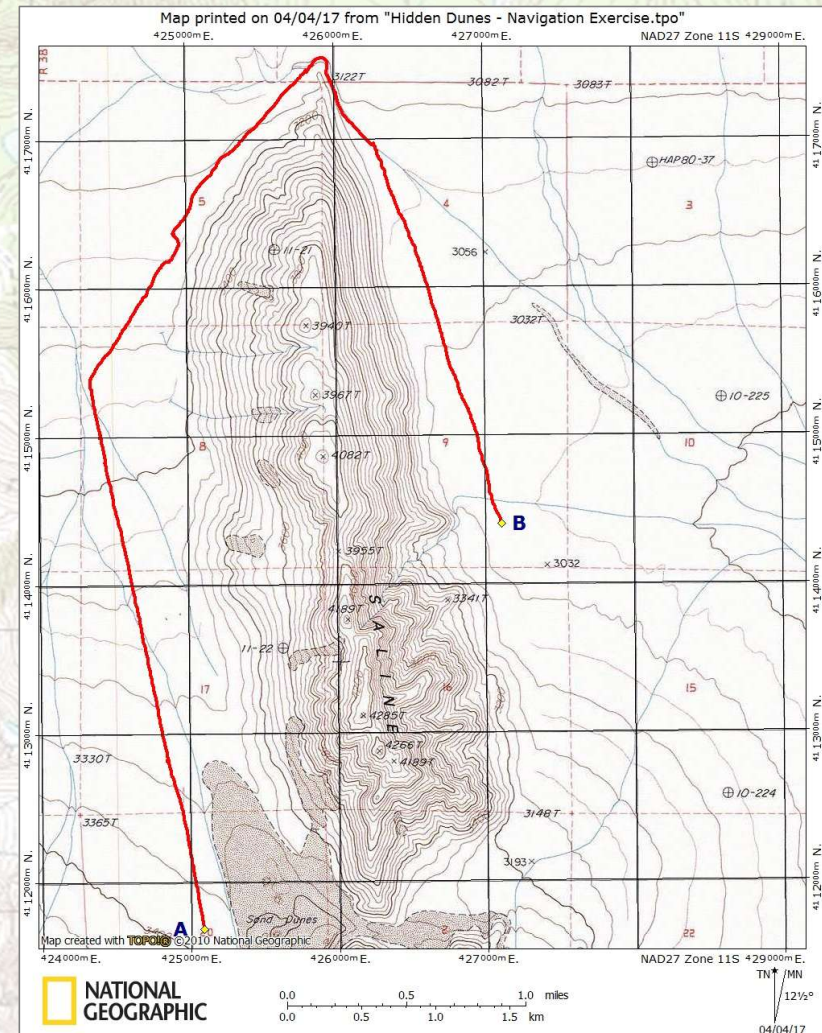


Route Planning Exercise 1

Use ridgeline as a handrail.



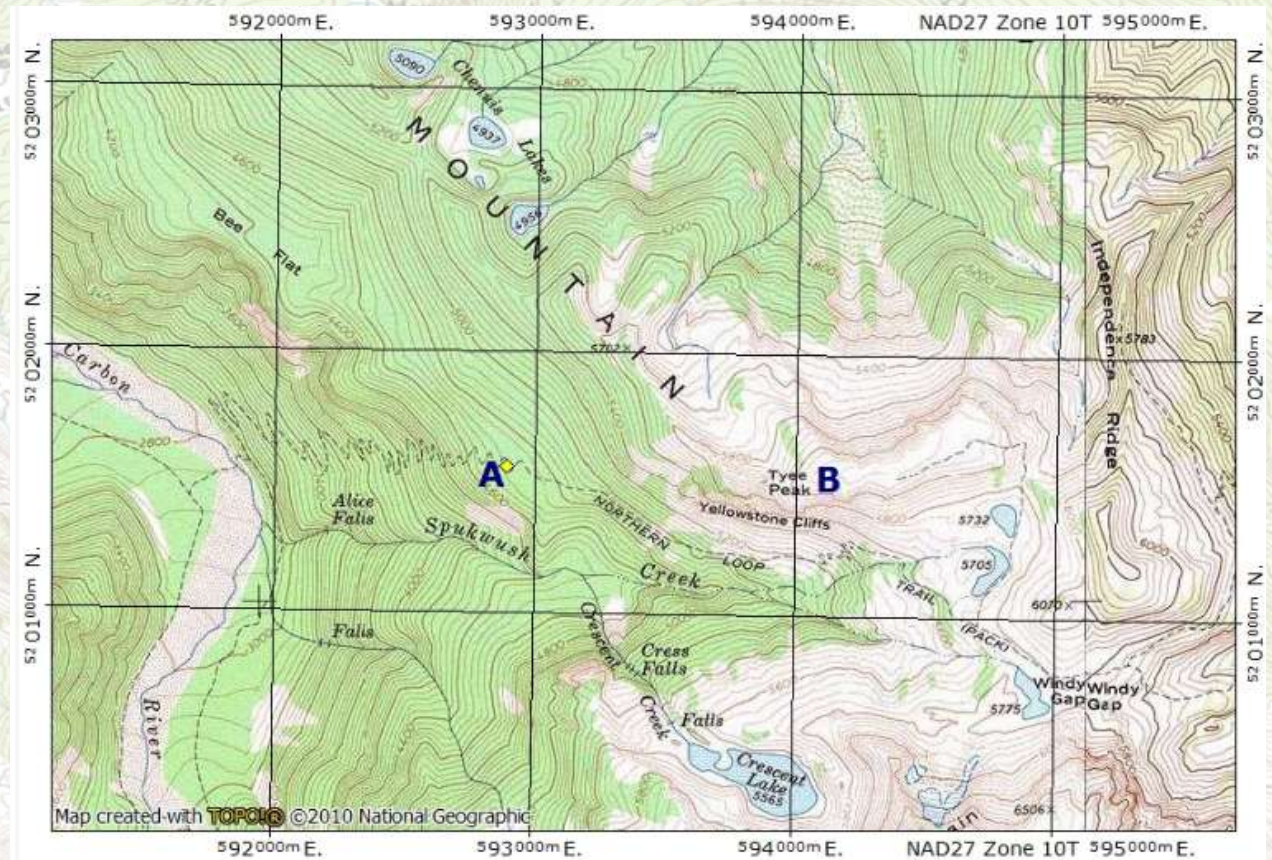
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Route Planning Exercise 2

Plot a route from Point A, the trail, to Pt. B, Tyee Peak



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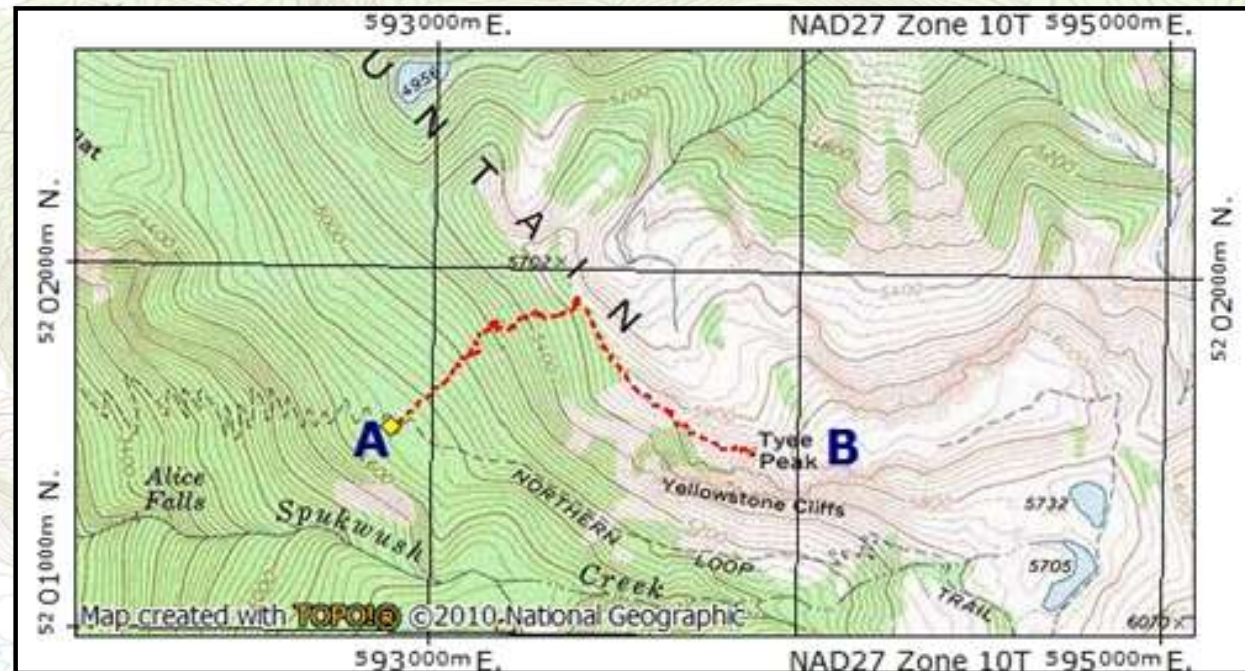
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Route Planning Exercise 2

Use ridge as baseline; Follow bearing in forest; Potential to use an intentional offset

Tyee Pk.



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QUESTIONS?



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