

1:50,000 Map Roamer

Introduction

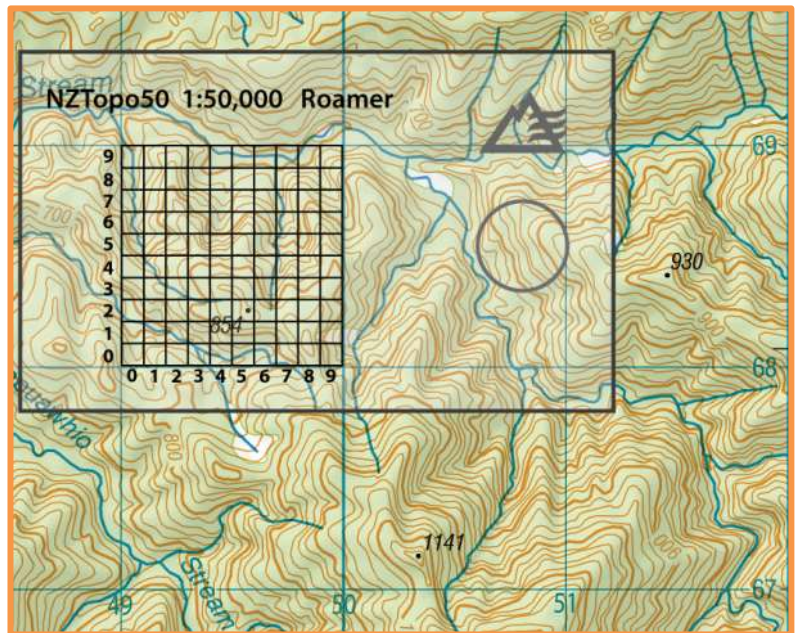
The “Map Roamer” or “Interpolator” is used to assist in determining and the plotting of accurate grid references (GR) on a 1:50,000 scale map. The roamer is designed to work with 1:50,000 scale map printed at 100% of the original – i.e.: works with any Topo50 full map sheet or will work with any Topo50 printed map (Freshmap, Map Toaster etc.) if printed at 100% (printer dependent).

By placing the roamer of the appropriate grid square, the point of the desired location can be determined through the roamer. See the following examples.

Spot Height 854 would be: 49**5**68**2**

The top of the marked stream NE of Spot Height 854 would be: 49**6**68**2**

The stream confluence would be: 493680



Printing Instructions

BEFORE PRINTING check that your printer can print to acetate and that you have the correct acetate for your printer type. Laser printing is best.

1. Print the 1:50,000 Map Roamer onto A4 acetate at 100% (printer dependent).
2. Cut out all of the roamers.
3. Laminate using an A4 laminate pouch leaving 10-20 millimetres between roamers (MATT laminate pouch) **OR** use individual ‘Key Card’ pouches (minimum pouch size 64mmx99mm).
4. If A4 sheet, cut out roamers from sheet. Ensure a good 5-10 millimetres of laminated seal for waterproofness
5. Use a holepunch to punch hole in the sealed laminate pouch. Do not punch the insert.
6. Fix onto compass string.

This roamer is provided **FREE** for all school, community, youth, registered charity and not-for-profit groups. For all commercial use please contact SARINZ.

1:50,000 Roamer

	5kph	4kph	3kph	2kph	1kph
1 km	12	15	20	30	60
800m	10	12	16	24	48
700m	9	11	14	21	42
500m	6	7.5	10	15	30
400m	5	6	8	12	24
200m	2.5	3	4	6	12
100m	1.25	1.5	2	3	6

- Maintained Track/Trail = 2-3km/hr (group).
- Bush Bash or very Rough Track = 1km/hr.
- On Road = 5km/hr.
- Uphill = add 2 minutes per contour.
- Downhill = do not calculate unless very steep.
If steep, calculate as per uphill.

Pointing Arrow

Walking Speed km/h

1:50,000 Roamer

		5kph	4kph	3kph	2kph	1kph
Distance	1km	12	15	20	30	60
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Pointing Arrow

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i 800m	10	12	16	24	48
s 700m	9	11	14	21	42
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0 1 2 3 4 5 6 7 8 9

1:50,000 Roamer

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Pointing Arrow