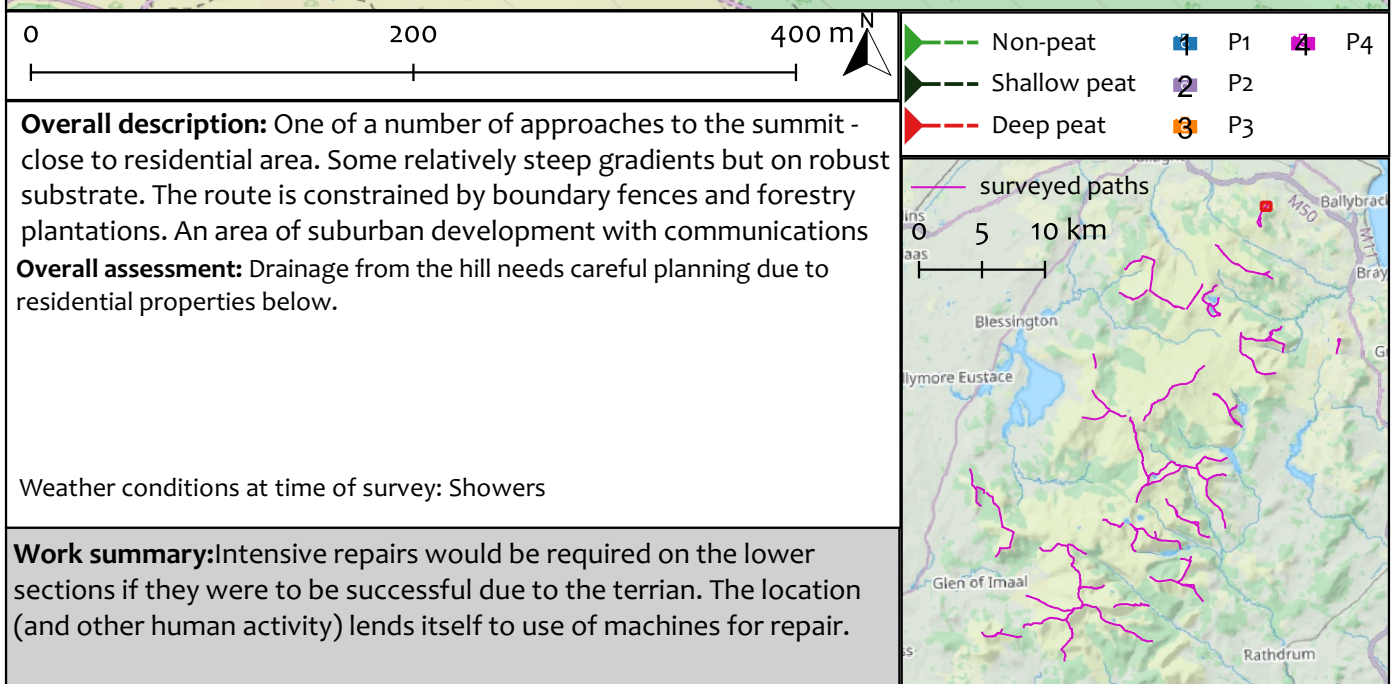
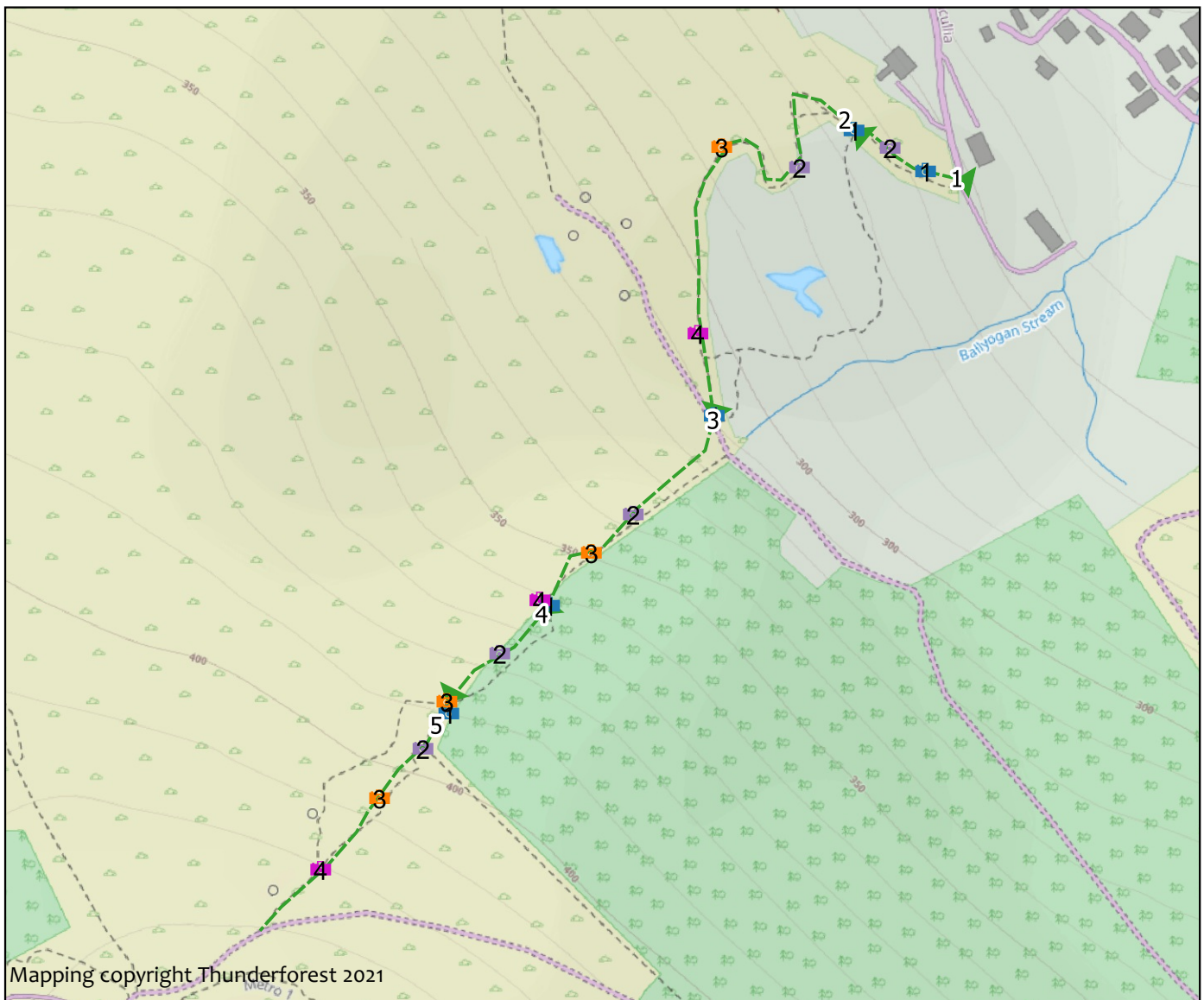


# Two Rock approach

Survey date: Apr 30, 2021

Length: 800m

Sections: 5



## Two Rock approach (Section 1)

Start: O 18142 23874 ( $\pm$  96m)

End: O 18077 23902 ( $\pm$  9m)

**Section description:** Start of path between residential gateways (constrained route) - heavily eroded with gullying.

### Current Condition

Length (m)	Max gradient (%)	Min gradient (%)	Crossfall (%)
71	20	0	0

Substrate	Peat Depth (cm)
mineral_soil	0

	Minimum	Maximum	Typical
Trampled width (m)	0.8	1	3
Bare width (m)	0.5	0.8	1.2
Eroded depth (m)	0.4	0.5	0.8

**Availability of Materials:** None on site - import 110 tonnes hardcore; 25 tonnes surfacing; 1.5 tonnes block stone.

**Site Assessment:** Road access for delivery of materials but no storage - could work from top down

### Work Required

Work type	Estimated input	Work Summary
major_repair	20 days labour	Due to the restricted space and level of erosion this needs to be a full build or nothing - intermediate measures will be ineffective. Construct 1.5m wide path with landscaping. 70m Base and surface 3 water bars or grade reversals. Outlet for drains into forest



1619776570945.jpg - O 18122 23877 ( $\pm$  8m)



1619776681579.jpg - O 18101 23891 ( $\pm$  9m)

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the Talk since 2006



## Two Rock approach (Section 2)

Start: O 18079 23901 ( $\pm 9\text{m}$ )

End: O 17996 23731 ( $\pm 10\text{m}$ )

**Section description:** Section starts at junction with braid and zig-zags on slightly steeper gradient than section 1. Gullying of the route is significant. Sightlines are not good in places

### Current Condition

Length (m)	Max gradient (%)	Min gradient (%)	Crossfall (%)
314	25	10	0

Substrate	Peat Depth (cm)
mineral_soil	0

	Minimum	Maximum	Typical
Trampled width (m)	1	1.2	2.5
Bare width (m)	0.5	0.8	1.5
Eroded depth (m)	0.3	0.4	0.6

**Availability of Materials:** Some potentially available on site c400 tonnes hardcore; 100 tonnes surfacing; 15 tonnes block stone

**Site Assessment:** Overhead power lines. Track access from top

### Work Required

Work type	Estimated input	Work Summary
major_repair	75 days labour	Will require hardcore base with surfacing to produce 1.5m wide path. Approximately 30 anchor bars and 5m of pitching are needed along with 3 cross-drains on corners.



1619777059348.jpg - O 18079 23902 ( $\pm 6\text{m}$ )



1619777199881.jpg - O 18046 23879 ( $\pm 5\text{m}$ )



1619777314775.jpg - O 17999 23892 ( $\pm 4\text{m}$ )



1619777498604.jpg - O 17984 23779 ( $\pm 8\text{m}$ )

## Two Rock approach (Section 3)

Start: O 17994 23729 ( $\pm 11\text{m}$ )

End: O 17894 23614 ( $\pm 10\text{m}$ )

**Section description:** Section begins at vehicle track junction and follows the edge of plantation forestry directly upslope. One area of peaty / marshy ground

### Current Condition

Length (m)	Max gradient (%)	Min gradient (%)	Crossfall (%)
157	45	30	0

Substrate	Peat Depth (cm)
mineral_soil	0

	Minimum	Maximum	Typical
Trampled width (m)	1.5	2.5	6
Bare width (m)	0.5	1	2
Eroded depth (m)	0	0.2	0.6

**Availability of Materials:** Limited on site but may be available below: 70 tonnes hardcore; 25 tonnes surfacing; 80 tonnes block stone

**Site Assessment:** Access at top on forest ride or from below via vehicle track

### Work Required

Work type	Estimated input	Work Summary
part_repair	25 days labour for part repair or 110 days labour for full repair	As a minimum this section needs drainage and short surfaced section: 15m floating path over marsh 150m side ditch. For full repair this would require 50m pitch and 100m of mixed (70:30) pitching:aggregate



1

1619777961739.jpg - O 17994 23729 ( $\pm 12\text{m}$ )



2

1619778185605.jpg - O 17945 23669 ( $\pm 8\text{m}$ )



3

1619778319259.jpg - O 17920 23646 ( $\pm 7\text{m}$ )



4

1619778429496.jpg - O 17889 23617 ( $\pm 4\text{m}$ )



## Two Rock approach (Section 4)

Start: O 17894 23614 ( $\pm 55\text{m}$ )

End: O 17833 23554 ( $\pm 10\text{m}$ )

**Section description:** Section starts at Forest ride as far as the end of the plantation.

### Current Condition

Length (m)	Max gradient (%)	Min gradient (%)	Crossfall (%)
79	40	25	0

Substrate	Peat Depth (cm)
mineral_soil	0

	Minimum	Maximum	Typical
Trampled width (m)	1	1.2	2.5
Bare width (m)	0.5	0.8	2.5
Eroded depth (m)	0.2	0.3	0.4

**Availability of Materials:** Good block stone on site. 45 tonnes hardcore; 15 tonnes surfacing; 25 tonnes block stone

**Site Assessment:** Access at forest ride. Fast mountain bike crossing part way. Measures needed to slow bikes.

### Work Required

Work type	Estimated input	Work Summary
early_intervention	10 days labour for early intervention or 45 for full upgrade	Deroughen the existing line and open sight line by informal mountain bike trail crossing. Full upgrade would be possible with mixed surfacing 70:30 pitch:aggregate



1619778833861.jpg - O 17895 23614 ( $\pm 11\text{m}$ )



1619778912799.jpg - O 17864 23585 ( $\pm 9\text{m}$ )

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Talk  
the since 2006



1619779105001.jpg - O 17832 23556 ( $\pm 11\text{m}$ )

- ( $\pm \text{m}$ )

## Two Rock approach (Section 5)

Start: O 17834 23554 ( $\pm 10\text{m}$ )

End: O 17755 23452 ( $\pm 9\text{m}$ )

**Section description:** This section runs from a junction with another path to a vehicle track below the masts

### Current Condition

Length (m)	Max gradient (%)	Min gradient (%)	Crossfall (%)
179	35	25	0

Substrate	Peat Depth (cm)
mineral_soil	0

	Minimum	Maximum	Typical
Trampled width (m)	0.8	1.5	4
Bare width (m)	0.5	0.8	1.5
Eroded depth (m)	0	0.3	0.5

**Availability of Materials:** Some block stone on site. Full upgrade would need 140 tonnes hardcore; 50 tonnes of surfacing and 5 tonnes of block stone

**Site Assessment:** Track access from top

### Work Required

Work type	Estimated input	Work Summary
none		Path is reasonably stable so is not requiring urgent work. Full upgrade would involve aggregate surfacing and anchor bars (40 days labour)



1

1619779514405.jpg - O 17834 23549 ( $\pm 9\text{m}$ )



2

1619779592221.jpg - O 17818 23528 ( $\pm 9\text{m}$ )



3

1619779731975.jpg - O 17792 23498 ( $\pm 6\text{m}$ )



4

1619779858778.jpg - O 17756 23454 ( $\pm 4\text{m}$ )