



Photograph AA4U-1

At Ch. 858 - Three blocks have come to rest at deer fence. Appear to have originated from waterlogged slope ca. 8m above road.

Year observation first noted:
2021



Photograph AA4U-2

At Ch. 858 - c.25 to 30m upslope there are several uprooted trees with boulders in root balls – considered to be most likely source of blocks at fence.

Year observation first noted:
2023



Photograph AA5-1

At Ch. 1285 - Large (0.75m x 0.5m x 0.4m) and smaller block in ditch where it has burst through fence (identified in 2020)

Year observation first noted:
2020



Photograph AA5-2

At Ch. 1328 - Several large blocks in roadside ditch (largest 0.4m x 0.3m x 0.25m). One block has burst through deer fence and landed in ditch, but other blocks may have landed on road before being moved. Total failure volume is 0.25 - 0.5m³.

Year observation first noted:
2018



Photograph AA5-3	At Ch. 1360 – A greater accumulation of blocks behind deer fence originating from 2021 scaling.	Year observation first noted: 2023
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Photograph AA6-1

Rope Access inspection completed on 19/04/2023



Photograph AA6A-1

At Ch. 1511 – Catch fence (installed during Phase 12 works) in good condition. Three boulders retained by older catch fence however, it is now damaged.

Year observation first noted: 2023



Photograph AA6A-2

At Ch. 1505 - Accumulation of blocks at deer fence ca.3m above road level, along 5m length of slope.

Year observation first noted: 2023



Photograph AA7-1

At Ch. 1803 - Dilated fractures observed c. 15m above road level.

Year observation first noted: 2018



Photograph AA7-2

At Ch. 1820 - Fractured rock on right hand side of previous washout

Year observation first noted: 2019



Photograph AA8-1

At Ch. 1940 – A number of overhangs towards crest of slope.

Year observation first noted: 2021



Photograph AA9-1

At Ch. 1978 – Overhanging square blocks near crest with dilated joint at rear

Year observation first noted: 2020



Photograph AA10-1

At Ch. 1995 – Small soil slip has come to rest on slope before deer fence.

Year observation first noted: 2023



Photograph AA10-2

At Ch. 2000 - Large scale potential wedge failure. Is c.10m wide x 10m high feature at the crest of the rock slope

Year observation first noted: 2012



Photograph AA10-3

At Ch. 2130 – Potential wedge failure observed ~15m above road level. Potential for root jacking and release joints observed.

Year observation first noted: 2018



Photograph AA12-1

At Ch. 2428 (Rope Access) – Block keyed in at tight hand side and dilated fracture at back.

Year observation first noted: 2023



Photograph AA12-2

At Ch. 2428 (Rope Access) – Block keyed in at tight hand side and dilated fracture at back.

Year observation first noted: 2023



Photograph AA12-3

At Ch. 2428 – Several blocks in verge (up to 0.3m x 0.2m x 0.15m). Cumulatively around x10 blocks.

Year observation first noted: 2023



Photograph AA12-4

At Ch. 2428 – Small block in rail boundary c. 0.25m x 0.1m x 0.2m. Most likely that block impacted road/roadside and someone has placed it within the railway boundary to clear it away from the road.

Year observation first noted: 2023



Photograph AA13-1

At Ch. 2518 - Netting has been torn, potentially by grass cutter.

Year observation first noted: 2022



Photograph AA13-2

At Ch. 2535 - Overhanging area c.12 to 15m above toe with gapping mesh below

Year observation first noted: 2021



Photograph AA13-3

At Ch. 2545 - Blocks behind netting c.1.5m above toe, source c.5m above toe (0.5m x 0.3m x 0.1m). Not extensively straining/deforming netting. No action required.

Year observation first noted: 2023



Photograph AA16-1	Between Ch. 2851 to 2872 – Vegetation very well established increasing root-jacking potential.	Year observation first noted: 2023
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Photograph AA16-2

At Ch. 2910 – Overhang at crest of slope.

Year observation first noted: 2017



Photograph AA16-3	At Ch. 2922 - 3x small blocks in verge (0.25m x 0.15m x 0.15m). Not known if landed here or moved here. Source unknown.	Year observation first noted: 2023
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Photograph AA16/17U-1

Example of block resting against fallen tree trunk. This one is at NGR NG 91103 37585 ± 5 m, alt. 50 ± 5 m. Block 1.0x0.5x0.5m.

Year observation first noted: 2023



Photograph AA18U-1	High above AA18 - loose block lying on ground amongst fallen long tree trunks. Block elongate and 1.2m max dimension.	Year observation first noted: 2023
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Photograph AA18U-2	Year observation first noted 2023	High above AA18 - Debris 'dams' of blocks and branches in water course. Likely source of some block falls
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Photograph AA18U-3	High above AA18 - Scree area cleared in September 2022 emergency works – scree is re-accumulating and needs to be cleared again.	Year observation first noted: 2023
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Photograph AA18U-4

High above AA18 - several fallen trees with elevated root balls containing blocks/hanging blocks

Year observation first noted: 2023



Photograph AA18U-5	High above AA18 - A very tall tree leaning at 20° (bearing 290° from NGR location, ca. 30 – 35m away)	Year observation first noted: 2023
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Photograph AA17-1

At Ch. 2965 - Large wedge approximately 10m above road level, with smaller wedge above.

Year observation first noted: 2017



Photograph AA18-1

At Ch. 2990 (rope access) – TECCO netting in good condition

Year observation first noted: 2023



Photograph AA18-2

At Ch. 2995 - Some loose blocks behind netting near crest. One block c.0.15m x 0.15m x 0.15m caught behind netting and pulling netting out slightly from slope.

Year observation first noted: 2021



Photograph AA19-1

At Ch. 3145 - Parts of mesh around gabions are damaged. Would be beneficial to clear out debris behind the gabions.

Year observation first noted: 2023



Photograph AA19-2	At Ch. 3100 - 0.25m ³ failure retained by netting system c.6-8m above road.	Year observation first noted: 2018
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Photograph AA19U-1

At Ch. 3145 (Rope Access) – Sporadic areas of rock exposure with occasional dilated joints and root jacking potential.

Year observation first noted:
2023



Photograph AA19U-2

Rope access inspection to assess upper crags at AA19U. Potential source area of the 2nd March 2023 Rock Fall.

Year observation first noted:
2023



Photograph AA19U-3

Rope access inspection to assess upper crags at AA19U. Crags generally massive but there are areas where exposed faces have dilated joints and blocks could release. Risk of root-jacking observed also.

Year observation first noted:
2023



Photograph AA19U-4

Rope access inspection to assess upper crags at AA19U. Boulders lying on slope.

Year observation first noted:
2023



Photograph AA19U-5

Rope access inspection to assess upper crags at AA19U. Area of Maccaferri mesh strapped around bluff 2m high and 4m wide secured by two cables.

Year observation first noted:
2023



Photograph AA19U-6

Rope access inspection to assess upper crags at AA19U. Location of missing block and fresh surface at top of mesh.

Year observation first noted:
2023



Photograph AA19U-7

Rope access inspection to assess upper crags at AA19U. Loose blocks held by cables at risk of falling.

Year observation first noted:
2023



Photograph AA20-1

At Ch. 3182 - Root-jacking observed; occasional small blocks can be expected to fail and may land on the road.

Year observation first noted:
2021



Photograph AA20U-1

At Catch Fence – an example of some of the small blocks noted which have been retained the fence.

Year observation first noted:
2023



Photograph AA20U-2

At Catch Fence – an example of some of the small blocks noted which have been retained the fence.

Year observation first noted:
2023



Photograph AA20U-3

Some surface corrosion evident on shackle bolts.

Year observation first noted:
2023



Photograph AA21-1

At Ch. 3350 - Rope access inspection undertaken to inspect area of overhanging/fractured block.



Photograph AA21-2

At Ch. 3350 (Rope access) – Overhanging rock mass ca. 1.5m and gape below is 2m

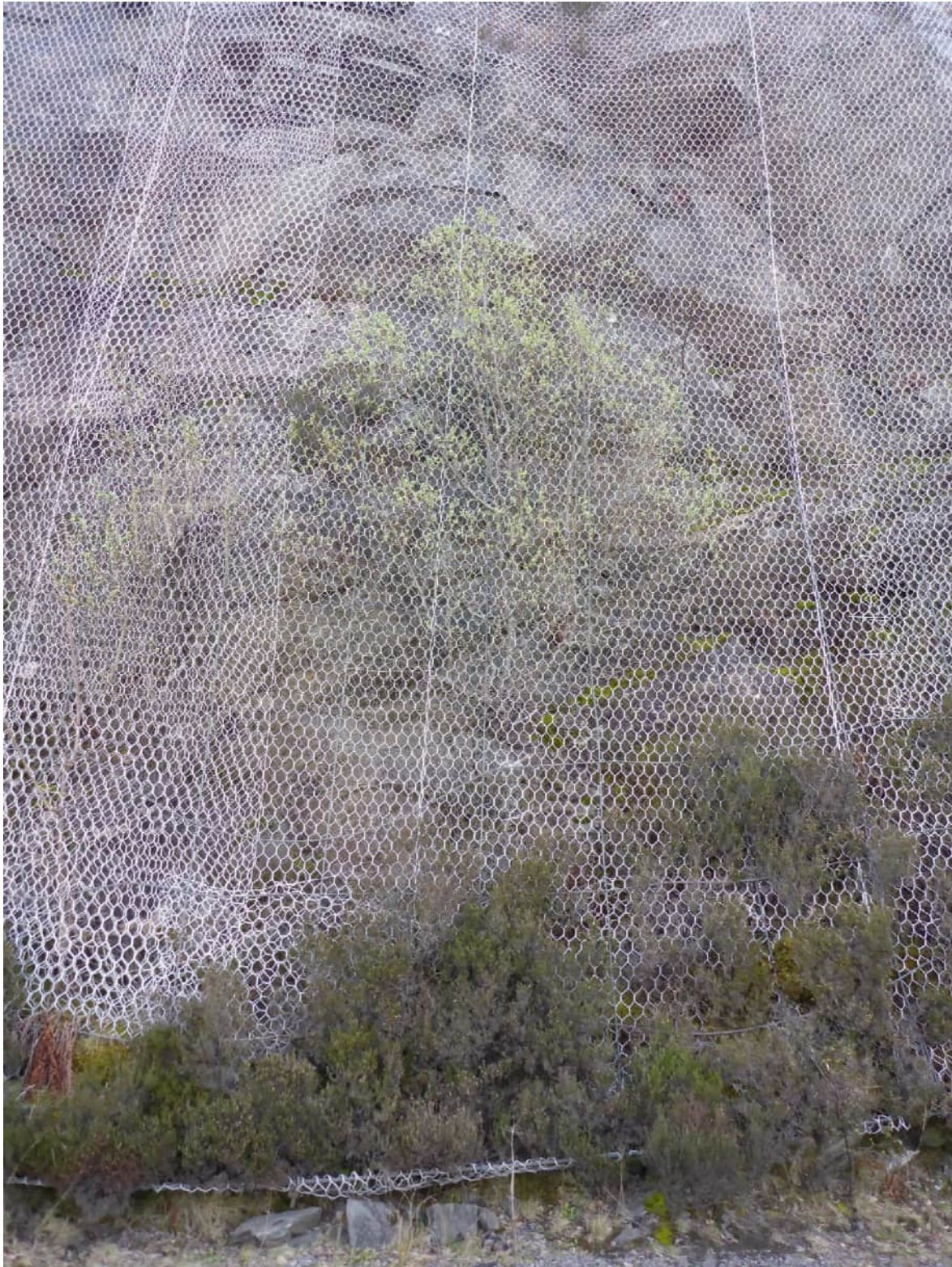
Year observation first noted:
2023



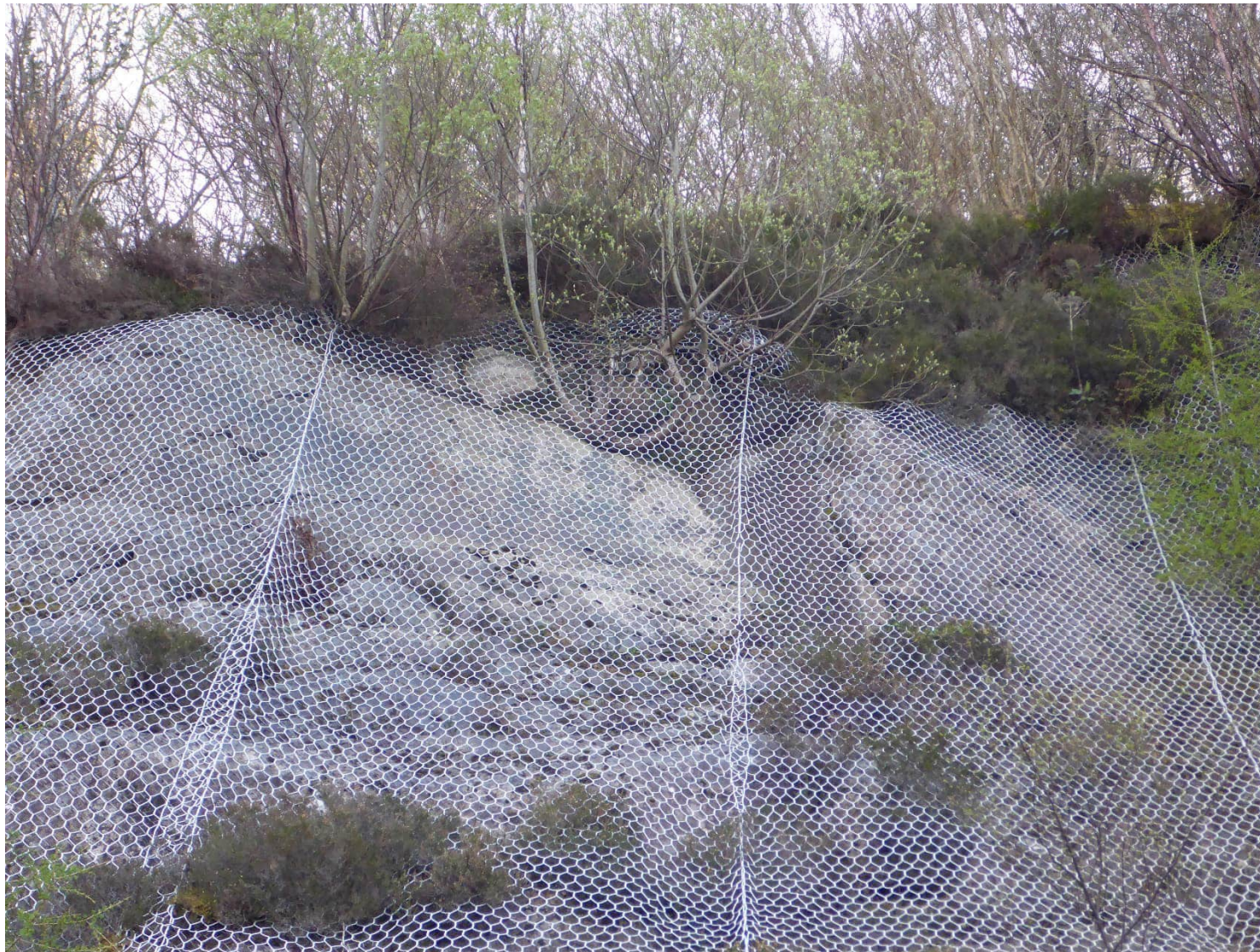
Photograph AA21-3

At Ch. 3350 (Rope access) – Cable clamps on cable restraint are corroded

Year observation first noted:
2023



Photograph AA21-4	At Ch. 3310 - Root jacking potential approximately 3m above road level.	Year observation first noted: 2016
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Photograph AA21-5

At Ch. 3363 – Broken rock mass at crest with root jacking also an issue. Several blocks with potential to fall.

Year observation first noted:
2016



Photograph AA21-6	At Ch. 3350 - Rock mass at crest with dilated release plane.	Year observation first noted: 2019
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Photograph AA21-7	At Ch 3371 - dilated fractures on face of rock slope in area of water flow.	Year observation first noted: 2021
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Photograph AA22A-1

At Ch. 3388 – A 0.3m x 0.3m x 0.1m block retained at base of netting 1.5m above road level.

Year observation first noted: 2019

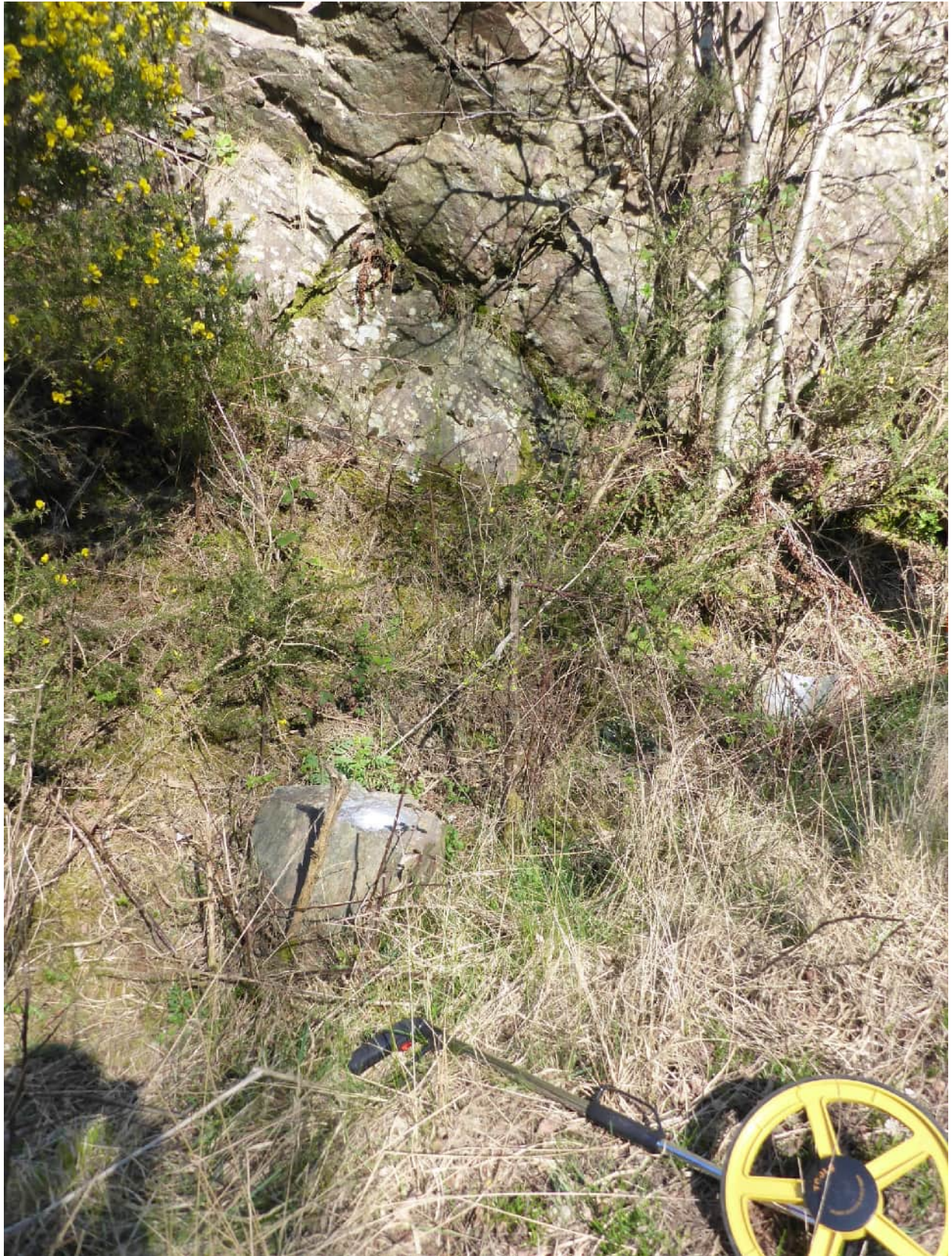


Photograph AA22B-1

At Ch. 3530 - Rope access inspection undertaken to inspect possible rotated block.



Photograph AA22B-2	At Ch. 3425 – Rock Fall originating c.6m above road level; blocks (c.0.25m ³) have slid along a steep release plane and come to rest at toe of slope behind netting.	Year observation first noted: 2021
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Photograph AA23N-1	At Ch. 3669 – Block fall in 2022 c.0.4m x 0.4m x 0.3m has landed in the ditch. Block originated c.2m up rock slope.	Year observation first noted: 2022
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Photograph AA24-1	At Ch. 3740 – Rock Fall in October 2020. Block originated c.10m above road level and has left a small puncture in netting c.5m above road level and tear at toe.	Year observation first noted: 2020
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Photograph AA24-2

At Ch. 3783 - Exposed soil slope 4m above road level with boulders in back scar of previous failure which could weather out and reach road. Slumping is also noted upslope from back scar.

Year observation first noted: 2016



Photograph AA24-3

At Ch. 3870 – recent block fall in 2023 (planar failure). Block c.0.1m x 0.1m x 0.1m in ditch.

Year observation first noted: 2017

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