

Taberon Law, Middle Hill and Grey Weather Law (28B)

Report of surveys carried out by Alan Dawson on 9 May 2012

1. Introduction

The purpose of this survey was to measure the height and drop of Taberon Law, a marginal SubSim and possible New Donald with 29m drop, based on a height of 636m and col 607m shown on recent OS maps, though older maps shown a summit height of 637m. The height and drop of Middle Hill and Grey Weather Law were also measured on the same day, for verification. Heights were measured using a Leica Geosystems 1250 GPS receiver and antenna on a one-metre pole, with subsequent processing by John Barnard using OS Rinex data to obtain precise measurements. Conditions for the survey were very good: bright with light cloud, light wind and very good visibility.

2. Taberon Law summit survey

The summit of Taberon Law is about 3km east of the A701 between Broughton and Moffat, and about 8km south of Broughton. There is a small cairn of a few stones at the highest point of the flat grassy summit. The summit survey point was right next to this cairn. Result:

Taberon Law summit: 60 minutes at NT 14647 28887, height 636.74m

An hour at the summit passed quickly, with a visit from a local worker on a quad bike who was interested in the GPS and the purpose of the survey. He pronounced the hill as Tabberon Law rather than Tayberon Law.

3. Taberon Law col survey

The col between Taberon Law and Middle Hill is only 0.5km east from the summit. The col is a typical area of small tussocks. The 607m spot height on OS maps is just next to the fence where it changes direction slightly, but two survey points were selected, 25 metres apart, on slightly higher ground about 30 metres south of the fence, as it was not necessary to descend quite as low as the fence before climbing toward Middle Hill. The col area is fairly small and flat, but it was difficult to be certain of the optimum point to carry out the survey without levelling equipment. It was reassuring to see that the two points differ by less than 0.1m, but it is possible that the col could be up to 0.1m lower than either survey point. Results:

Taberon Law col: 30 minutes at NT 15216 28955, height 608.27m

Taberon Law alternative col: 30 minutes at NT 15239 28961, height 608.18m

4. Middle Hill summit survey

The summit of Middle Hill is about 1.5km ENE of Taberon Law. The summit area is very flat and grassy, with no feature to mark the highest point other than a few small clumps of tufty grass. Result:

Middle Hill summit: 30 minutes at NT 15944 29460, height 717.13m

5. Middle Hill col survey

The col between Middle Hill and Pykestone Hill is about 0.5km south from Pykestone Hill, north of the summit of Grey Weather Law. In 'The Grahams and the New Donalds', the drop from Middle Hill was erroneously given as 30m, but was corrected to 41m in 'Graham Tops and Grahamists'. The col is another typical area of small peat hags and tussocks. There is a 675m spot height on the OS map just next to the fence in the col area. It was difficult to be certain of the optimum point to carry out the survey, so it is estimated that the col could be up to 0.25m lower than the survey point. Result:

Middle Hill col: 30 minutes at NT 17126 30839, height 675.52m

6. Grey Weather Law summit survey

The summit of Grey Weather Law is just over 1km south of Pykestone Hill. The extensive summit area is very flat and grassy, with no feature to mark the highest point other than a few small clumps of tufty grass. It was difficult to identify precisely the highest point for a survey, so it is estimated that the summit could be up to 0.1m higher than the survey point. Result:

Grey Weather Law summit: 30 minutes at NT 16937 30056, height 711.99m

7. Grey Weather Law col survey

The relevant col is between Grey Weather Law and Middle Hill, but could be either side of Long Grain Knowe (p18). Both possible col locations were surveyed in order to measure which was lower. There is a 686m spot height at the west col but none at the north-east col. Both cols are typical areas of small peat hags and tussocks. It was difficult to be certain of the optimum point to carry out either survey, so it is estimated that each col could be up to 0.2m higher or lower than the survey point. Result:

Grey Weather Law col: 20 minutes at NT 16374 29594, height 687.61m

Grey Weather Law alternative col: 20 minutes at NT 16788 29769, height 687.19m

8. Summary and conclusions

Hill:	Taberon Law, section 28B
Categories:	SubSim, SubDonald
Summit:	636.7m at NT 14647 28887
Col:	608.1m at NT 15239 28961
Drop:	28.6m
Hill:	Middle Hill, section 28B
Categories:	Sim, New Donald
Summit:	717.1m at NT 15944 29460
Col:	675m at NT 17126 30839
Drop:	42m
Hill:	Grey Weather Law, section 28B
Categories:	SubSim, SubDonald
Summit:	712m at NT 16937 30056
Col:	687m at NT 16788 29769
Drop:	25m

The drop from Taberon Law is estimated as 28.6m, i.e. between 28.5m and 28.7m. Taberon Law is therefore not a Sim or New Donald. The drop from Grey Weather Law is estimated as 25m. Grey Weather Law is therefore not a Sim or New Donald. The col for Grey Weather Law is located between Grey Weather Law and Long Grain Knowe, not between Long Grain Knowe and Middle Hill.



Taberon Law and the track from Stanhope

Survey point on Taberon Law summit,
with Broad Law beyond





Survey point on Taberon Law summit,
with Middle Hill beyond

Survey point on Middle Hill summit,
with Dollar Law beyond



Survey point on Grey Weather Law summit,
with Long Grain Knowe and Broad Law beyond

Survey point at Middle Hill col, with Dollar Law
beyond

