



The Bulldog Rally



OPERATIONS
MANUAL

OPERATIONS MANUAL

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The Bulldog Rally



Headquarters telephone numbers

Help Desk 01939 290

Results input 01939 291

Results input 01939 291

Results input 01939 291

Results input 01939 290

Results Fax 01939 290

Press office 01939 291

Press office fax 01939 291

DOLGELLAU results 01341 423



The Bulldog Rally



Mobile phone numbers

Vaughan Allcock	07836 676
Nick Bloxham	07885 786
Dave Bowlas	07740 173
Jim Cornes	07721 020
Alan Corns	07778 599
Nigel Dawes	07880 798
Richard Felgate	07808 094
John Griffiths	07889 438
Harold Hicken	07731 240
Dave Houghton	07973 443
Jayne Houghton	07976 910
Andrea Johnson	07748 188
Mervyn Johnson	07855 815
Sarah Jones	07774 908
Chris Knights	07941 142
Ray Lloyd	07771 976
Jim Male	07905 053
Bob Newell	07756 103
Kevin Page	07714 233
Rob Richens	07967 580
Dilys Rogers	07801 963
Phil Swanborough	07715 510
Dave Talbot	07710 943
Phil Turley	07831 403
Gareth Thomas	07977 723
John Trevethick	07718 913
Kevin Witton	07767 453

Sponsored by - Bulldog Security Products Ltd., Much Wenlock, Shropshire
Organised by - Wolverhampton and South Staffordshire Car Club Ltd.

Course Cars

Location	Contr ol	Time keeper	Assistan t Time keeper	Spec control	Course Car	Closer	Closure Deputy Clerk of course
Newtown Start	MC0	*			*	*	
Hafren South	ATC1	*			*	*	
Nat B Sweet Lamb start	MC0					*	
Tarenig Entrance	PC1	*			*	*	
Tarenig	ATC2	*			*	*	
Myherin	ATC3	*			*	*	
Devils Bridge	PC3	*			*	*	
Historic Sweet Lamb Start	MC0		PJ	*		*	
Sweet Lamb	ATC4		*	*		*	
Service A	TC4		*	*		*	
Sweet Lamb out	MC4		*	*		*	
Hafren North	ATC5		*	*		*	
Forest Office	PC5		*	*		*	
Gartheiniog	ATC6	*	*	*	*		*
Garneddwen	PC6	*	*	*	*		*
Service B	TC6	*	*	*	*	*	
Dolgellau out	MC6	*	*	*	*	*	
Dyfi Main	ATC7	*	*	*	*	*	
Oil Store	PC7	*	*	*	*	*	
Dyfnant	ATC8	*	*	*	*	*	
Tycrwyn	PC8	*	*	*	*	*	
Finish	MC8	*	*	*	*	*	

OFFICIAL CALL SIGNS

Spectator Control Car (PHIL TURLEY / KEVIN WITTON)	SPEC 1
Course Car (GARETH THOMAS / IAN JORDAN)	WOLF 2
Deputy Clerk of the Course (RAY LLOYD)	WOLF 1
Course Closing Car (ALAN CORNS / DAVE HOUGHTON)	ACORN 1
Safety Officer (KEVIN PAGE) (Mobile: 07714 232424)	WOLF 3
Safety Officer (MERVYN JOHNSON / Dr MARTIN NORTON)	WOLF 9
Assistant Clerk of the Course – Equipment Van - (RICHARD FELGATE)	WOLF 4

COMMUNICATION CONTROL Hafren, Myherin, Tarenig

HAROLD HICKEN
CLIP CONTROL

MYHERIN – BRIAN GIBSON

OAK LINK

DYFI BLOCK CONTROL - DAVE ALLSEBROOKS

CLIP RELAY

DYFNANT - DAVE GOODWILL

CLIP LINK

AREA CONTROLLERS

HAFREN	DAVE TALBOT	WOLF 12
DYFI MAIN	JOHN GRIFFITHS	WOLF 15
GARTHEINIOG	CHRIS KNIGHTS	WOLF 14
MYHERIN / TARENIG	NIGEL DAWES	WOLF 16
DYFNANT	JIM CORNES	WOLF 11

HELICOPTER SUPPORT UNIT CONTACT VIA SAFETY OFFICER - KEVIN PAGE ON
REQUIREMENT CONFIRMED BY DOCTOR OR PARAMEDIC.

SHREWSBURY

Not to Scale

ALBRIGHTON HALL HOTEL
 Rally HQ, Documentation
 Refreshments, Results
 Prizegiving

From Stage 8
 & Service B

SHREWSBURY LIVESTOCK MARKET
 Trailer Park
 Noise Test
 Scrutineering

Measured Mile

To START

From M54

SHREWSBURY

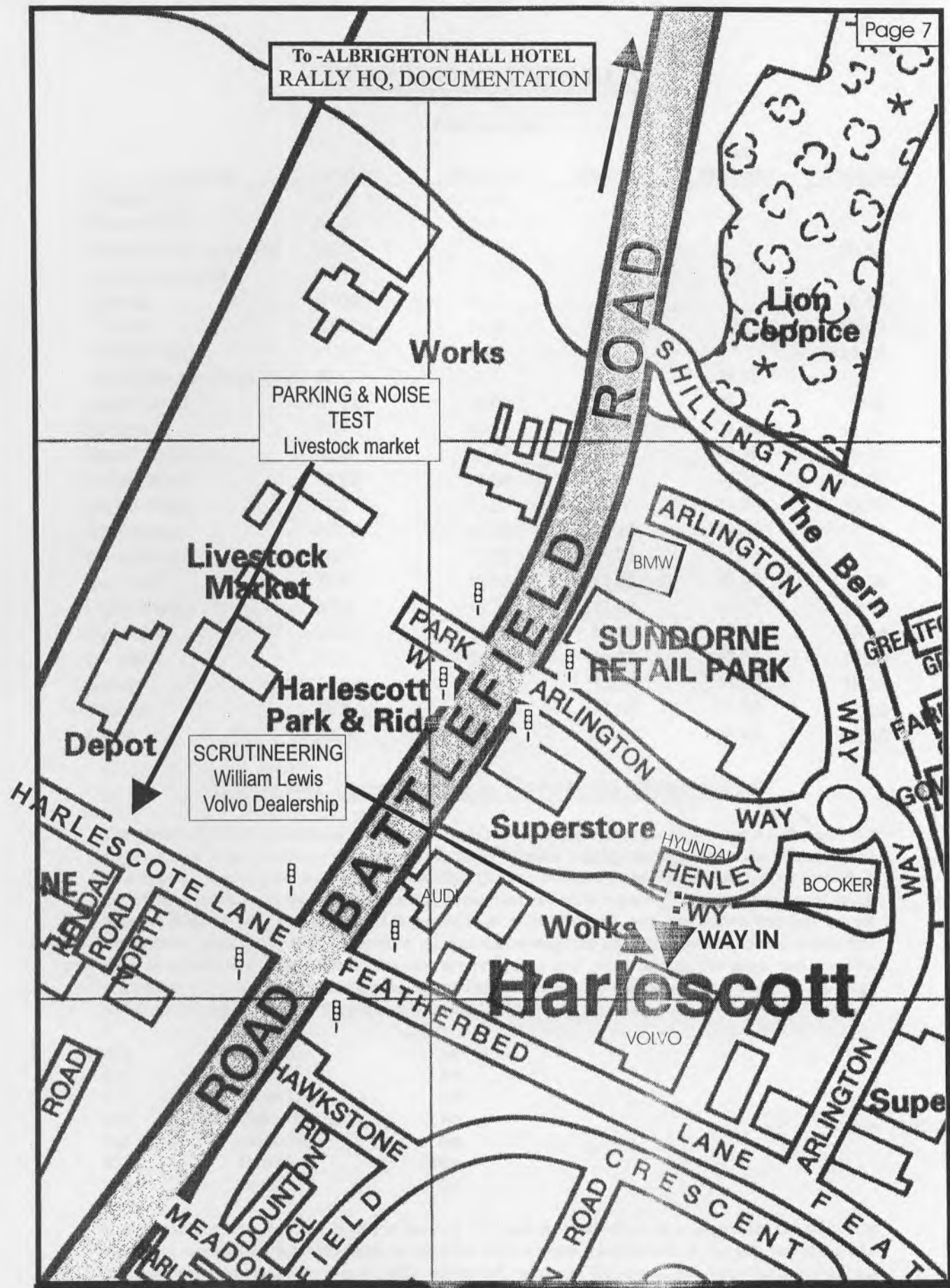
BULLDOG RALLY 2002



ALBRIGHTON HALL HOTEL



To -ALBRIGHTON HALL HOTEL
RALLY HQ, DOCUMENTATION



SHREWSBURY scrutineering (detail)
BULLDOG RALLY 2002

HOW THE EVENTS RUN

Location	Control	First car due -			Clubman
		National	Historics	Post Historics	
Newtown Start	MC0	8.00			
Hafren South	ATC1	8.41			
Nat B Sweet Lamb start	MC0				10.47
Tarenig Entrance	PC1	9.10			
Tarenig	ATC2	9.17			10.57
Myherin	ATC3	9.33			11.13
Devils Bridge	PC3	9.49			11.29
Historic Sweet Lamb Start	MC0		8.44	09.15	
Sweet Lamb	ATC4	10.09	8.59	09.30	11.49
Service A	TC4	10.17	9.07	09.38	11.57
Sweet Lamb out	MC4	10.57	9.31	10.08	13.01
Hafren North	ATC5	11.04	9.38	10.15	13.08
Forest Office	PC5	11.23	9.57	10.34	13.27
Gartheiniog	ATC6	12.09	10.43	11.20	
Garneddwen	PC6	12.27	11.01	11.38	
Service B	TC6	12.58	11.32	12.09	14.28
Dolgellau out	MC6	13.38	12.12	12.49	15.18
Dyfi Main	ATC7	14.04	12.38	13.15	15.44
Oil Store	PC7	14.23	12.57	13.34	16.03
Dyfnant	ATC8	14.58	13.32	14.09	16.38
Tycrwyn	PC8	15.28	13.58	14.35	17.04
Finish	MC8	16.35	15.09	15.46	18.15

Minimum Time Between Events At Stage Starts

The National B event misses out stages 1 and 6, and the Historic event runs from stage 4 to the end. All stages except stage 1 will therefore have more than one event passing through them. The Historics and Post Historic competitors are seeded separately. The gap between these convoys should be treated as the other gaps between events. The leading competitors of each event will traverse the stages much faster than the tail end competitors of the event in front of them and we must ensure that they do not catch slower cars on the stage. Therefore, on each forest stage the stage commander should ensure that there is a minimum time between the last competitor of one event starting the stage and the first competitor of the next event starting the stage. The minimum time depends on the length of the stage and there is a list of them for the relevant stages below.

SS2	Tarenig	5m
SS3	Myherin	3m
SS4	Sweet Lamb	2m
SS5	Hafren North	7m
SS6	Gartheiniog	6m
SS7	Dyfi Main	8m
SS8	Dyfnant	5m

If a competitor in one of the events is running late such that he arrives at a stage after the following event has started the stage, the stage commander should make a judgement on the gap that should be given between the competitor running late and the following car. Obviously, the faster the following car is likely to be, the longer the gap will need to be. If it can be seen that a smaller gap could be left by holding the car running late for a few minutes (in dead time) such that he starts the stage in front of a slower car then please do so. He will lose nothing by spending a few more minutes in dead time and it would benefit the event by not introducing a delay in it.

Service/Regroup Control Instructions

The event is going to be closed up in the Sweet Lamb and Dolgellau service areas (Services A & B). At the Service 'IN' controls competitors are given an 'IN' time as required for the end of the previous road section, and they should also be given a designated 'OUT' time for them to leave the service area (Due time for MC4 and MC6). For the National A Rally the designated 'OUT' time for the first competitor should be 10.57 for MC4, and 13.38 for MC6. The due time for the first competitors in the National B are 13.01 and 15.18. The Historic event is 09.31 and 12.12. The post historic are 10.08 and 12.49. In each event all subsequent competitors should be given consecutive minutes such that they leave the service area at 1 minute intervals again. If for some reason the event is running late, care should be taken not to eliminate the planned gap between events. At each MC there should be at least 20m between the last competitor of one event and the first competitor of the next event except for the gap between the historic and post historic which is planned at 10m. If these minimum times between events cannot be maintained by applying the scheduled time, then start each event later than scheduled allowing the minimum time between events.

The event has been timed such that the first competitor in each event will get approximately 40m service time in the service areas. The last competitor in each event should get approximately 10m less than the first competitors. However, if a lot of cars drop out of the event the service time for later runners could become small and therefore a minimum service time of 20m should be preserved for the service areas i.e. No competitor should be given a Due time out which is less than 20m after the time he has booked in.

Two competitors should never be given the same nominated 'MC' time even if they have booked into the 'IN' control on the same minute. Although only 1 car is allotted to each minute for the MC's, this does not mean that only 1 car can leave the MC's on each minute. If a competitor has a problem in the service area such that he or she misses their allotted MC time, they will want to take the time that they actually arrive at the control as well as the car that has been allotted that minute, such that 2 cars would leave the MC on the same minute.

Example:

First car books in at TC4 at	10.18	
MC4 time given to first car	10.57	(Due time for first car)
Second car books in at	10.20	
MC4 time given to second car	10.58	(1m behind Car 1)
Cars 3&4 book into 'IN' control at	10.21	
MC4 time given to car 3	10.59	(1m behind Car 2)
MC4 time given to car 4	11.00	(1m behind Car 3)
Car 5 books into 'IN' control at	10.24	
MC4 time given to car 5	11.01	(1m behind Car 4)
Fortieth car books in at	11.16	
MC4 time given to fortieth car	11.37	(40m after first, 21m service time)
Forty first car books in at	11.19	
MC4 time given to forty first car	11.39	(two minute gap appeared because minimum time in service is 20m)

Remember Minimum time in Service areas 20m.

Servicing time for leading competitors.

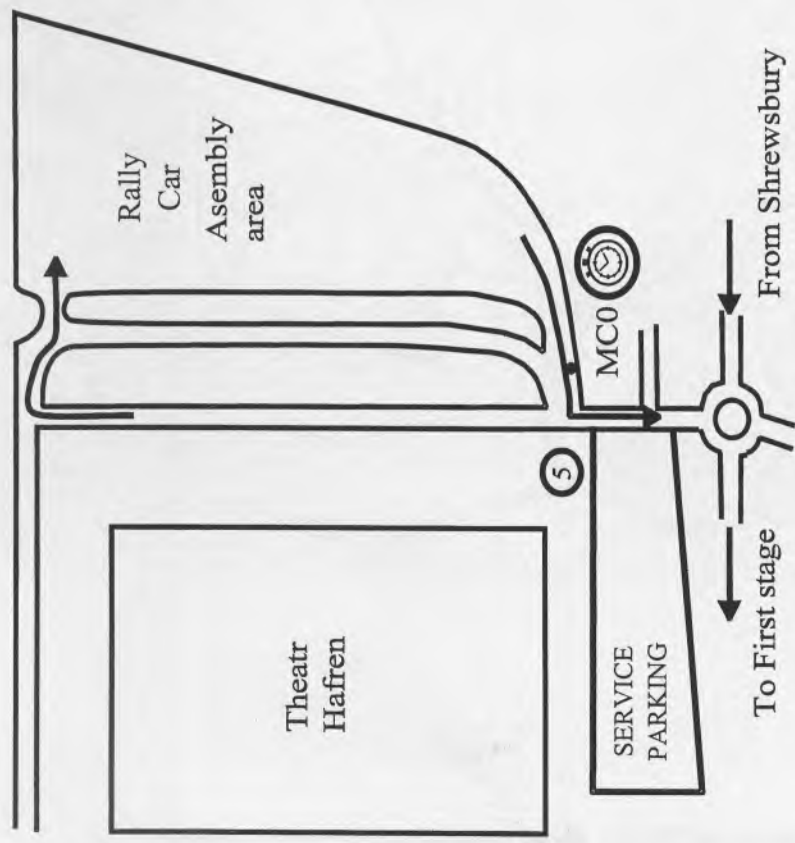
Please note that this year the amount of service time available is different for the four events. In the description above it states that the event has been timed such that the leading competitors get 40m service time, but this is only true for the National A competitors. Below is a list of the approximate service time expected for each event at the two service areas:

	Service A	Service B
National A	40m	40m
Historics	24m	40m
Post Historics	30m	40m
National B	64m	50m

ROUTE DEFINED BY REFERENCE

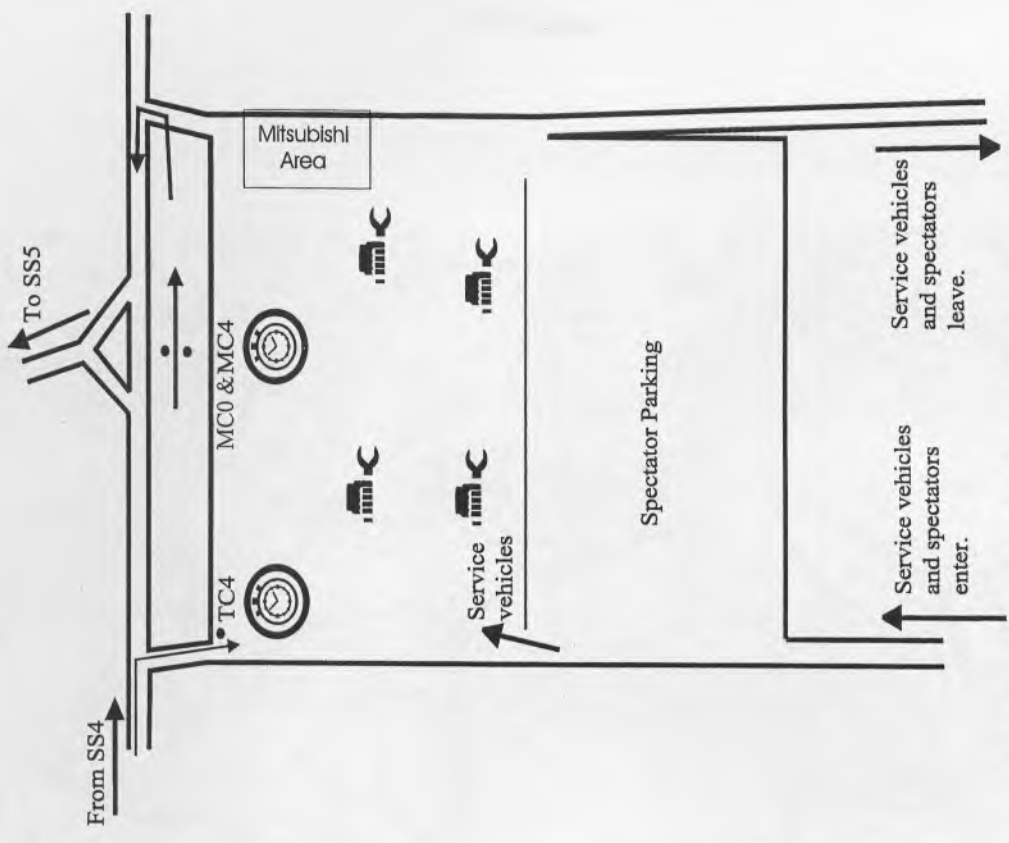
ROUTE	INFORMATION	MAP REFERENCE	APP	DEP	Car 1
MC0	Assembly point	136/	092½906		
via			092½905½	W	08.00
via			954845	NE	NW
via			912½847	NE	NW
via			863½868	E	SW
ATC1	Stage 1 – Hafren South		848864	SE	08.41
FTC1			870846½		NE
via			906844	N	SW
PC1			840827	SE	S
ATC2	Stage 2 - Tarenig	135/	832½822½	S	09.17
FTC2			808784½		S
ATC3	Stage 3 - Myherin		800½777	NE	09.33
FTC3			765759		S
via			765½756	N	NE
via			778753½	W	S
via			775750	NE	W
PC3			744½772½	W	N
via			756799	S	NE
ATC4	Stage 4 – Sweet Lamb		799842	SE	10.09
FTC4			827½850	N	E
TC4	Service A – Sweet Lamb		829½849½	N	10.17
MC4	Sweet Lamb service out		831850		NE
via			829853	SE	NW
ATC5	Stage 5 – Hafren North		831870	S	11.04
FTC5			866904½		SE
PC5			884924	SW	NW
via			899027½	SW	NW
via		124/	845½099	SE	NE
via			832½104	SE	W
via			811106	E	NW
ATC6	Stage 6 - Gartheiniog		807½111	NW	12.09
FTC6			804116		S
PC6			777½103½	NE	S
via			754075	N	NW
TC6	Service B - Dolgellau		734181½	E	12.58
MC6	Dolgellau service out		734181½		E
via			755060	NW	NE
ATC7	Stage 7 Dyfi Main		771067	W	14.04
FTC7			829103		E
PC7		125/	831¼103½	SW	SE
via			845½099	NW	SE
via			991115½	W	NW
ATC8	Stage 8 Dyfnant		991139	SE	14.58
FTC8			017155½		SE
via			029148	NW	NE
PC8			103183	SW	NE
via			172184	NW	NE
via	Enter Wynnstay yard - Car wash	126/	220202½	W	S
via	Leave Wynnstay yard		220202½	S	E
via			282241	NW	E
via			365½217	W	NW
via			424½222	W	S
via			475187	W	S
via			497166	W	NE
via			516167	W	SW
MC8	Finish control		512½161½	NE	16.35

National Rally Newtown Start Area



Rally cars arrive at least 20m before due start time.
Map reference 136/092906.

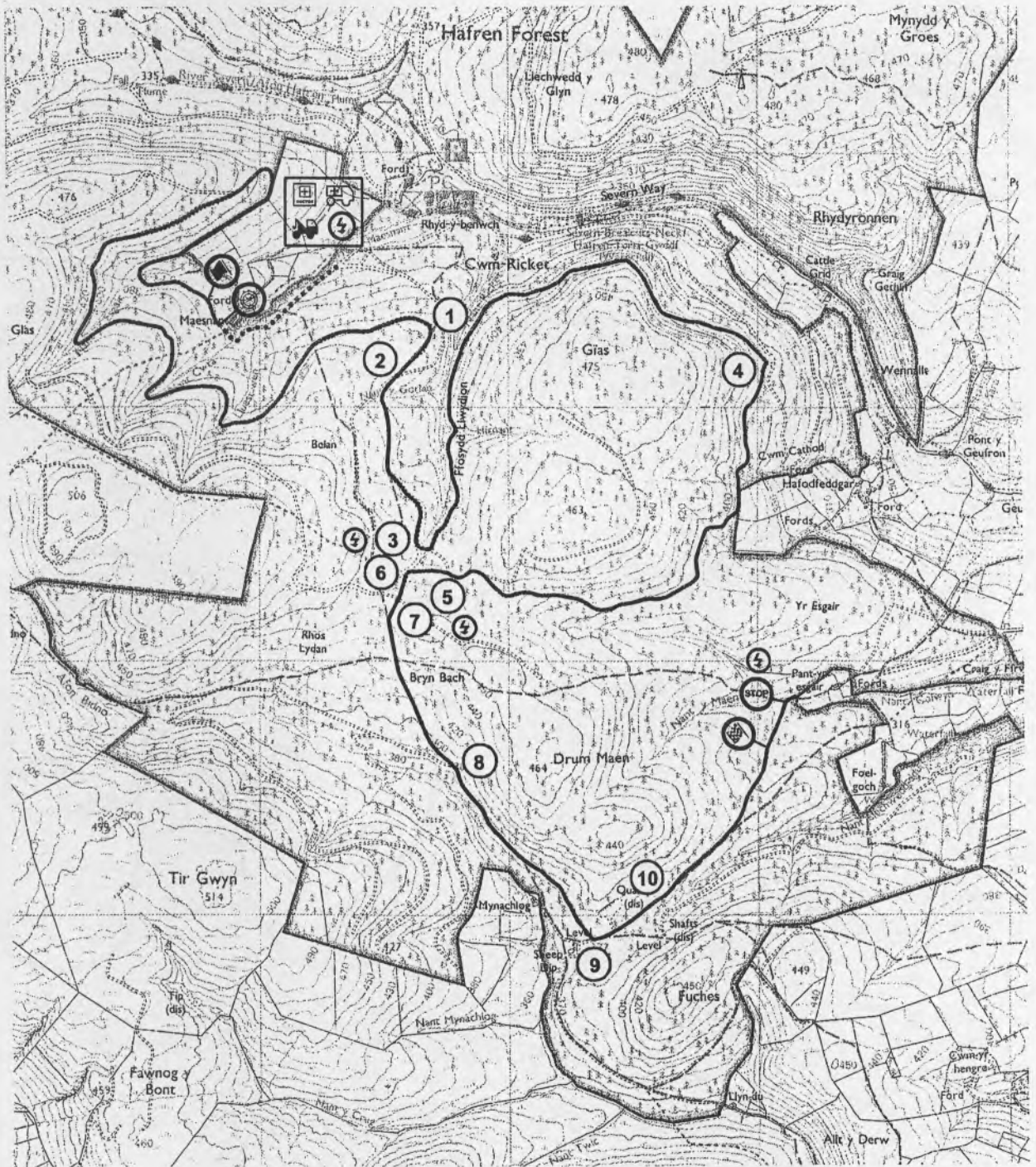
Historic & Clubman Start and Service area A - Sweet Lamb



First car is due at MC4 at 10.57 which will give that vehicle about 40m service time. Cars will be regrouped at MC4 such that service time will be variable, however everybody will get at least 20m service time.

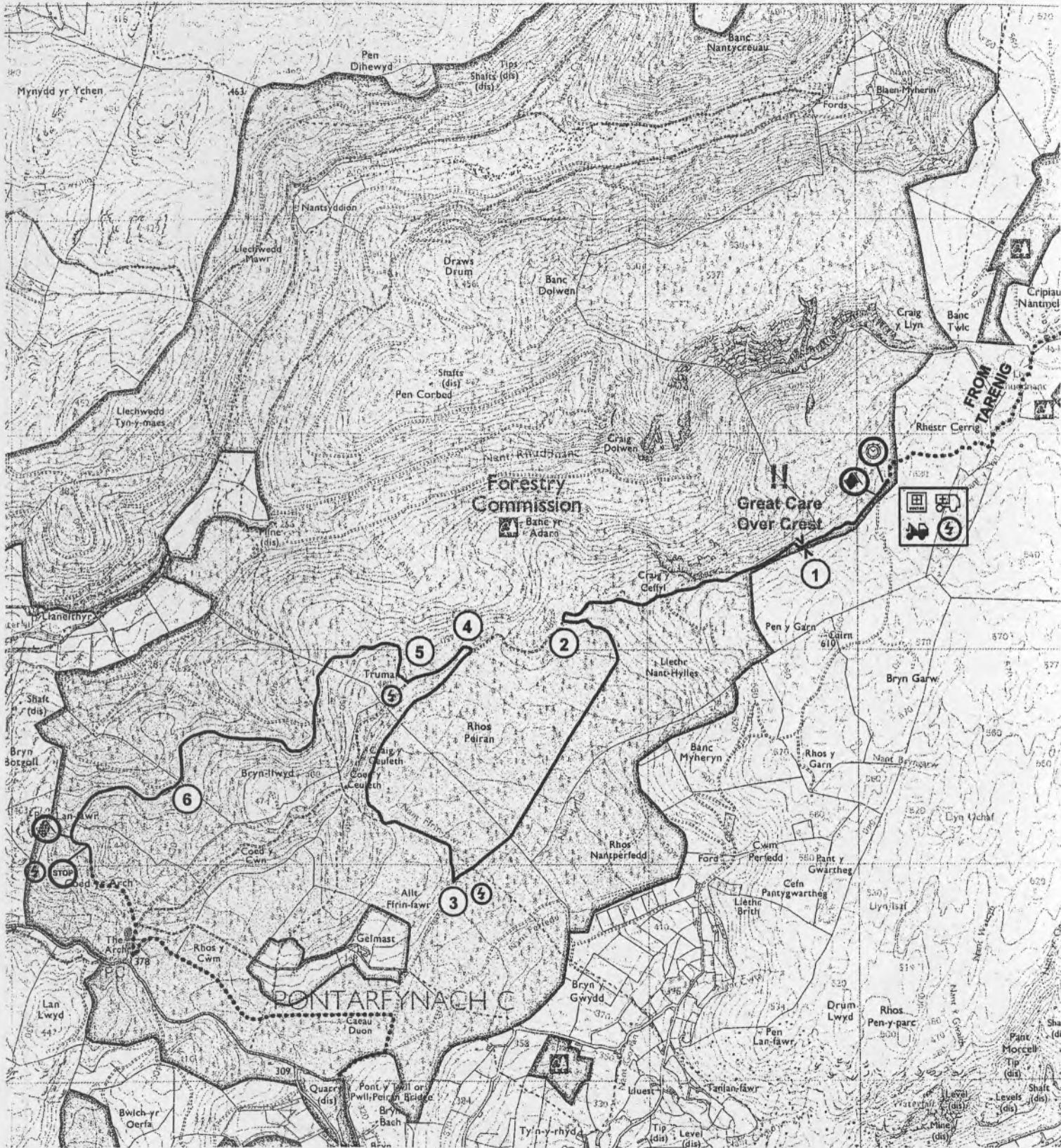
STAGE 1 - HAFREN SOUTH

7.97 miles



STAGE 3 - MYHERIN

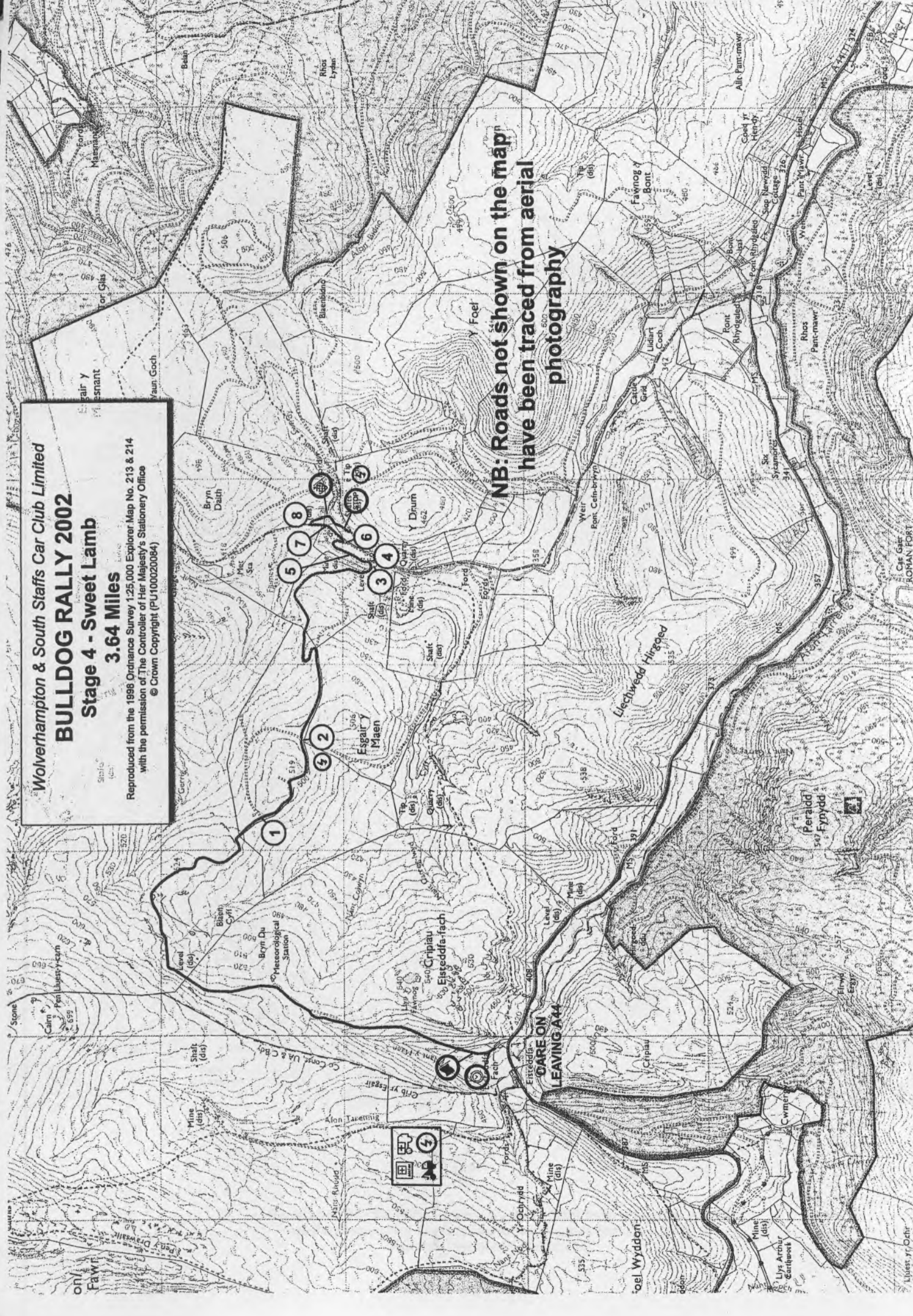
4.82 miles



Wolverhampton & South Staffs Car Club Limited
BULLDOG RALLY 2002
Stage 4 - Sweet Lamb
3.64 Miles

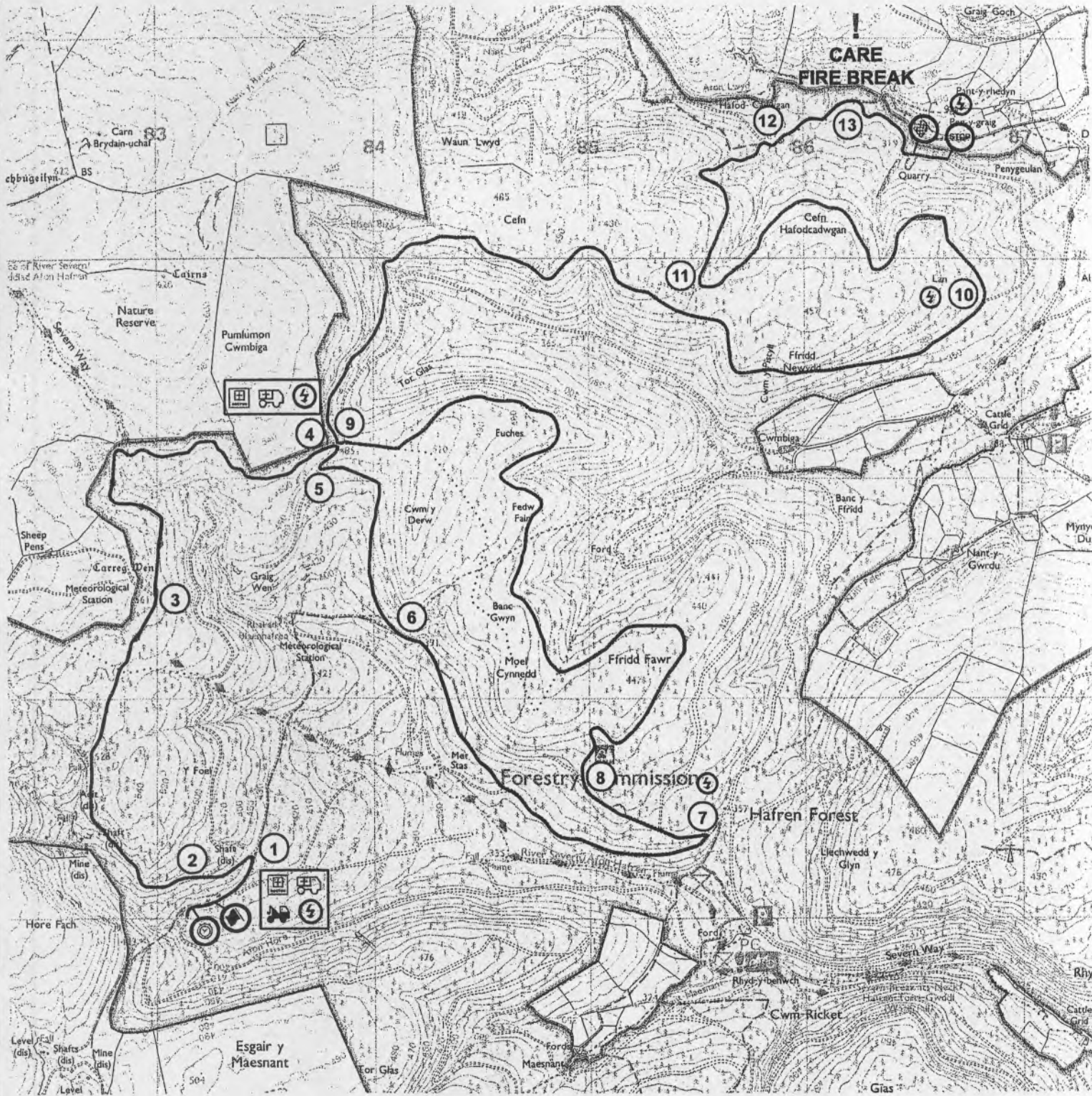
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**NB: Roads not shown on the map
 have been traced from aerial
 photography**



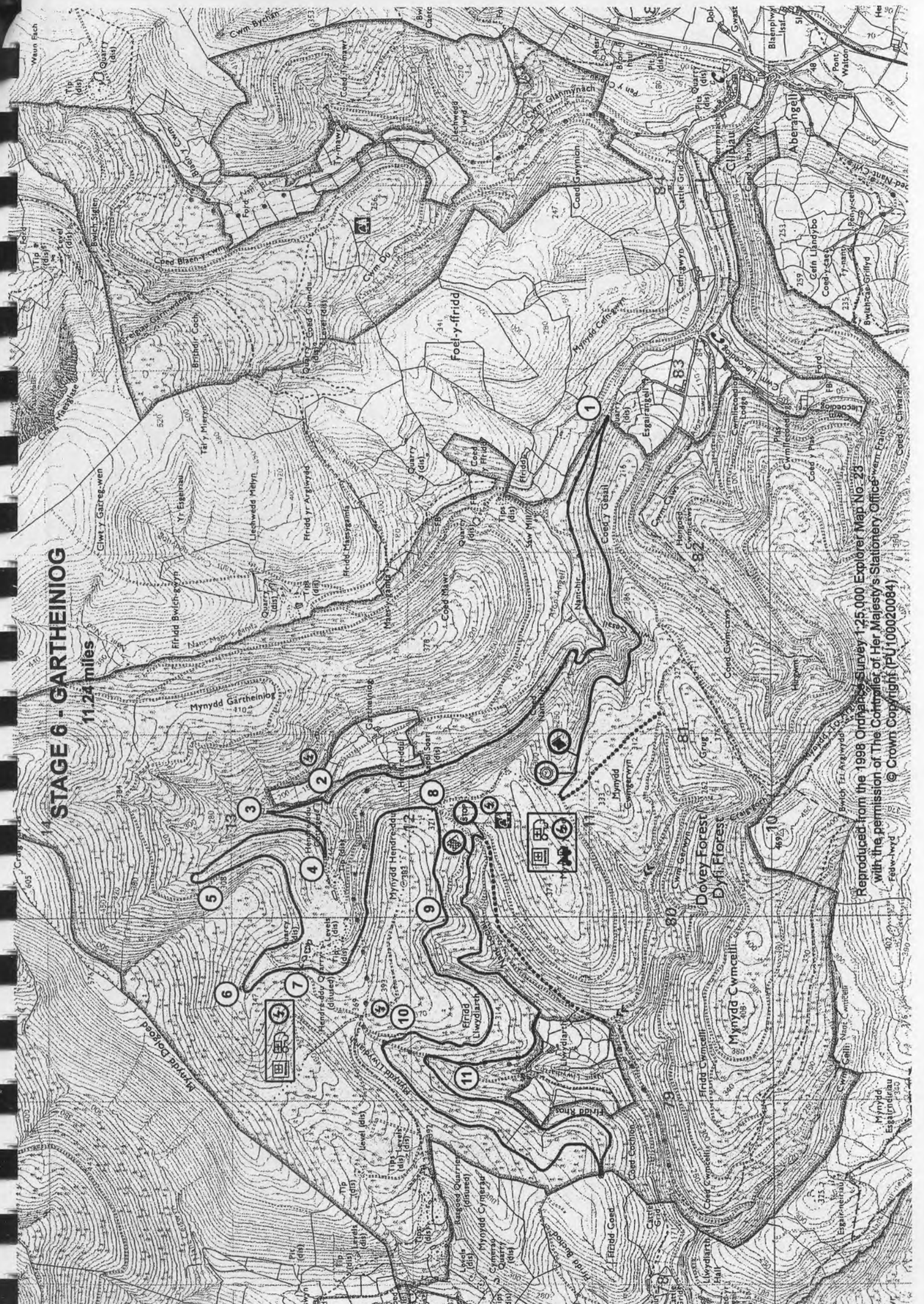
STAGE 5 - HAFREN NORTH

12.87 miles



STAGE 6 - GARTHEINIOG

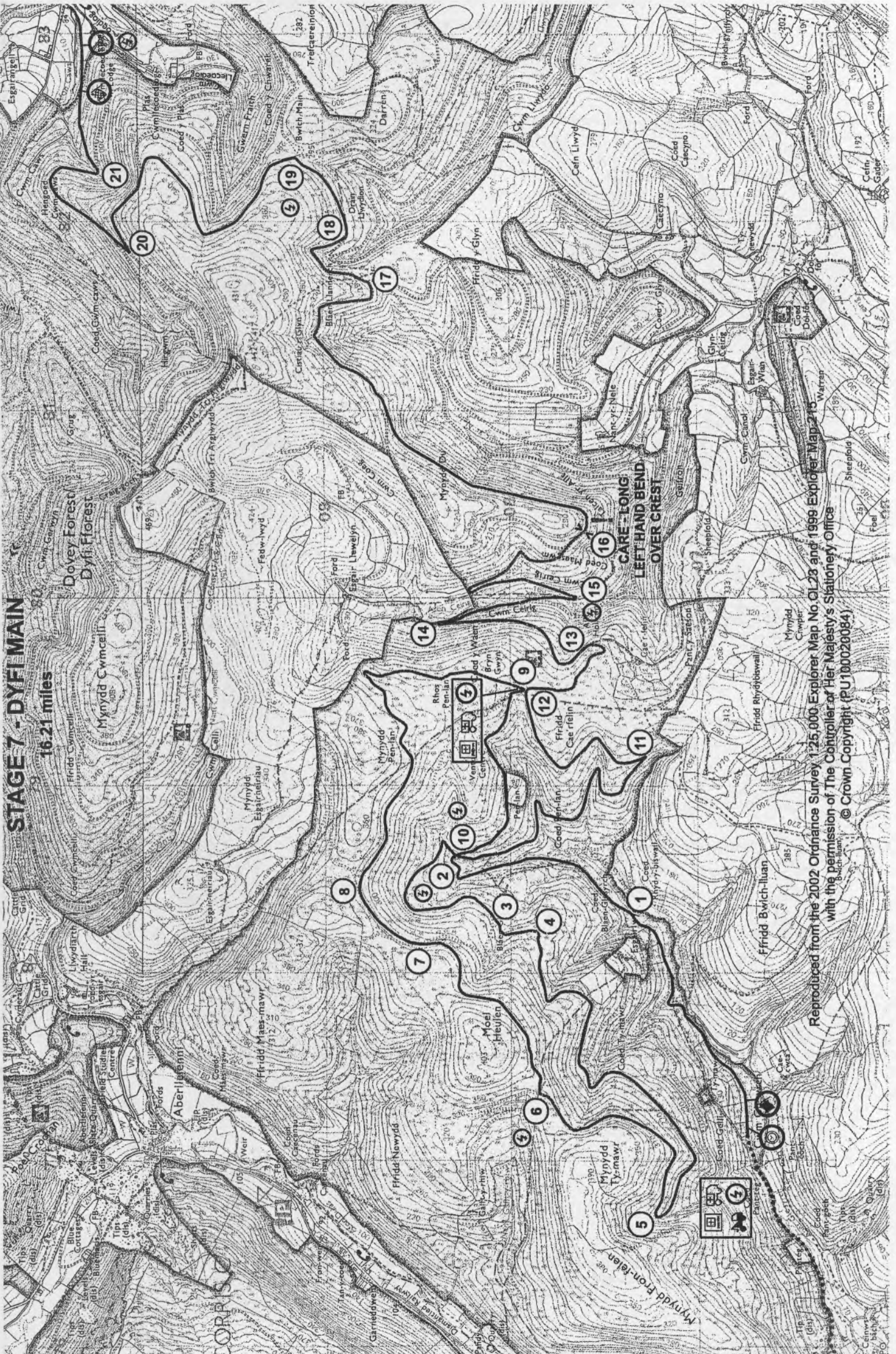
11.24 miles



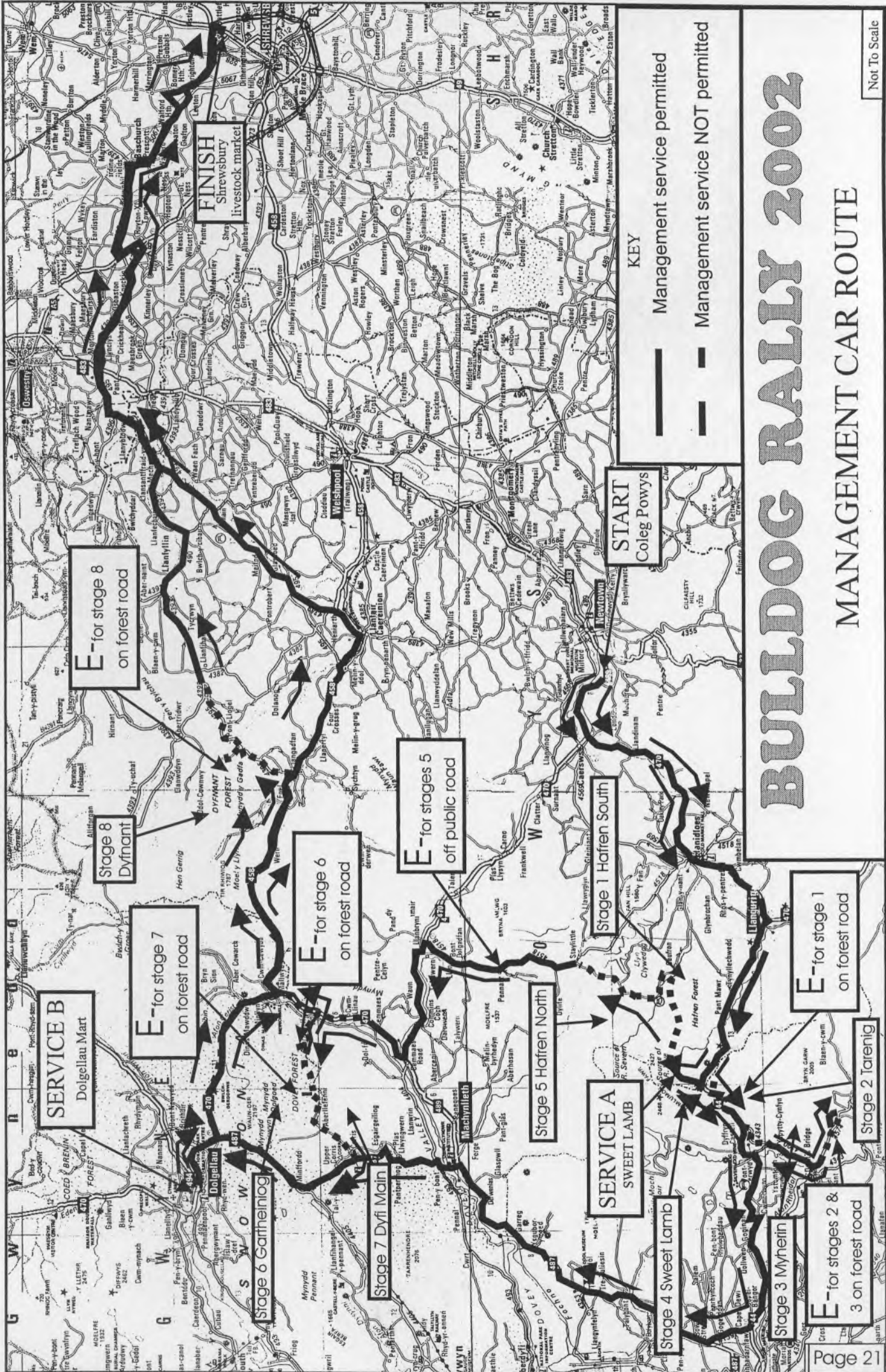
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STAGE 7 - DYFI MAIN

16.21 miles



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FINISH
Shrewsbury
livestock market

KEY

— Management service permitted

- - - Management service NOT permitted

START
Coleg Powys

E- for stage 8
on forest road

Stage 8
Dyfnant

E- for stage 7
on forest road

SERVICE B
Dolgellau Mart

E- for stage 6
on forest road

Stage 7 Dvri Main

E- for stages 5
off public road

Stage 5 Hafren North

SERVICE A
SWEET LAMB

Stage 4 Sweet Lamb

Stage 1 Hafren South

E- for stage 1
on forest road

Stage 2 Tarenig

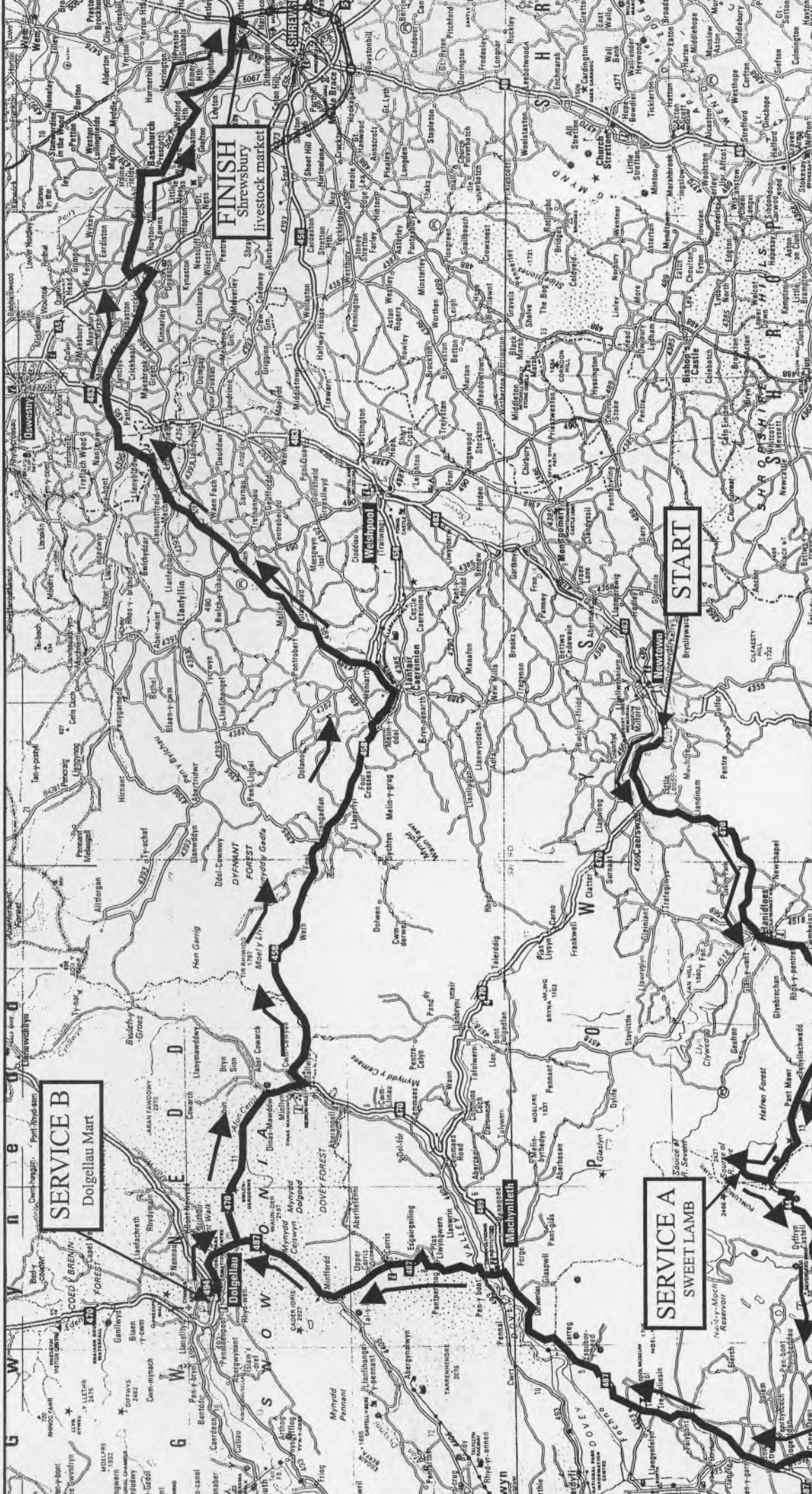
E- for stages 2 &
3 on forest road

Stage 3 Myneith

BULLDOG RALLY 2002

MANAGEMENT CAR ROUTE

Not To Scale



FINISH
Shrewsbury
livestock market

START

SERVICE B
Dolgellau Mart

SERVICE A
SWEET LAMB

BULLDOG RALLY 2002

SERVICE ROUTE

Not To Scale

THE BULLDOG RALLY 2002

Bulletin Number 1 -FINAL INSTRUCTIONS

ARTICLE 3 - AUTHORISATION

3. The Permit numbers 13943 for the Bulldog Rally
 13944 for the Bulldog Historic Rally
 13945 for the Bulldog Clubmans Rally
 have been issued.

ARTICLE 11 – ROUTE AND ROAD BOOK

- 5 b) The total **Bulldog Historic Rally** route is approximately 130 miles, including 5 Special Stages, which total approximately 52 miles, on Forestry Enterprise roads.
- 6 b) The total **Bulldog Clubmans Rally** route is approximately 120 miles, including 6 Special Stages, which total 55 miles, on Forestry Enterprise roads.

The organisers – 09/10/02

Bulldog Rally 2001

Competitors Information No 1

8 October 2002

Help Desk

The organisers Help Desk will be at the Albrighton Hall Hotel Rally H.Q (MR 126/497180), between 09.00 hrs and 22.00 hrs on Friday and 07.00 hrs and prizegiving on Saturday. The hotel switchboard number is 01939 290986 and ask for the 'Rally help desk'.

The Official Notice Board

The official notice board will be displayed at The Albrighton Hall Hotel, the rally headquarters, throughout the competition. There will be duplicate noticeboards at the starts for the period that they are open.

Parking prior to Scrutineering

On arrival in Shrewsbury competitors should proceed to the main entrance of the Livestock Market in Harlescott Lane and park as directed.

Noise check

The attached Noise Check Time Schedule shows the times requested by each competing crew.

Competition vehicles should proceed to the noise check at the time shown on the attached schedule. Preference will be given to competitors arriving at their scheduled time.

Any competitor not shown on the schedule should report at the time nominated on their entry form and will be held in reserve and despatched as directed by the marshals.

On completion of the noise check the crew will be presented with a process card.

The vehicle must proceed to William A Lewis' Volvo Dealership for scrutineering as directed by the marshals.

Competition Numbers & Rally Plates

Rally plates, numbers and high visibility window numbers will be supplied free of charge and must be applied in accordance with the regulations under the direction of the marshals.

In Car Cameras

Any crew proposing to carry an in car video camera must attend scrutineering with the complete camera in place and declare the fixture to the scrutineer. There will be the necessary documentation at scrutineering to complete the formalities.

Documentation

The crew should proceed to documentation in the Lakeside Suite of The Albrighton Hall Hotel with the completed process card, all necessary licences and insurance details.

Route

See attached table of map references, time schedule and route map.

Start Times

A full list of starters and times will be published at documentation.

The start time of car 1 will be 08.00 hrs. Saturday 19th October.

Start Procedure

Competitors should report directly to the pre-start assembly area in NEWTOWN at least 20 mins prior to their due start time. Time cards will be distributed to competitors in this area.

You DO NOT need to report to any control or area in Shrewsbury on Saturday morning prior to the start. Your published start time is the due time at MCO in NEWTOWN.

On Event Photographs

Photographs of the competitors in action on the Event will be taken by Speedsports Photography of Ruthin (018 242 3743)

Finish

Full results will only be displayed in the Albrighton Hall Hotel.(see plan)

There will be a full range of drinks, hot food and changing facilities in the Albrighton Hall Hotel.

Post event Scrutiny

Those vehicles required for post event scrutiny will be informed at the finish control and issued with directions to the scrutineering venue.

Prizegiving

Prizegiving will take place at The Albrighton Hall Hotel for The Bulldog Rally at 20.00 hrs.

No	Entrant / Sponsor	Driver	Co-Driver	Car	Capacity	Class	Key
Bulldog							
1	Leominster Car Auctions	Mark Perrott	Garry Mansell	Ford Escort WRC	1993T	A8	KWkw
2		Kenny McKinstry	Noel Orr	Subaru Impreza	1998T	A8	Kk
3	S G Petch for Hyundai	Steve Petch	John Richardson	Hyundai Accent WRC	1998T	A8	Kk
4		David Mann	Alun Cook	Subaru Impreza	1998T	B13	KWkw
5	Arney Skip Hire	Stephen Harron	Philip McCrea	Subaru Impreza	1998T	A8	
6		Andy Burton	John Roberts	Peugeot Cosworth	2500	B13	KW
7	Integral Powertrain	Roger Duckworth	Mark Broomfield	Subaru Impreza WRC	1994T	B13	Kk
8		Glyn Jones	Craig Parry	Subaru Impreza	1998T	A8	
9		Bob Ceen	Alistair Douglas	Subaru Impreza 555	1994T	A8	
10	Kumho Tyres, Valvoline Oils	Graham Middleton	John Morgan	Toyota Corolla	1995T	B13	Kk
11	ADR Motorsport	Alistair Ginley	Andrew Bargery	Ford Focus WRC	2000T	A8	
12	Active Motorsport	Gary Midwinter	Martin Saunders	Ford Escort WRC	1998T	B13	
14	National Vehicle Distribution	Eamonn Boland	Francis Regan	Subaru Impreza WRC	2000T	A8	
15	Bell Leisure, Michelin, Sabelt	Brian Bell	Paul Spooner	Ford Escort	1998T	A8	KWw
16	Dunlop	Jeremy Easson	Nigel Gardner	Mitsubishi Evo 7	2000T	N4	KM
17	Beechdale Motor Group, Notts & Derby	David Wood	Les Waterfall	Subaru Impreza	2000T	N4	Kk
18	Broadoak Flooring, Mick Jones Timber	Mick Jones	Andy Morgan	Mitsubishi Evo 5	1997T	A8	KWw
19	Hydrex Equipment UK Ltd	Nik Elsmore	Brian Hardie	Mitsubishi Evo 7	2000T	N4	
20	Promax Motorsport	Mats Andersson	Claire Mole	Mitsubishi Evo 6	1998T	N4	
21	Barrier, Pirelli	Barry Johnson	tba	Subaru Impreza	2000T	B13	
22		Richard Davis	Dave Williams	Mitsubishi Evo 6	1998T	N4	
23	King Sturge, Springburn Auto's	Philip Walker	Peter Martin	Mazda 323 WRC	1948T	B13	
24		Jari-Mati Latvala	Carl Williamson	Mitsubishi Evo 6	1998T	A8	wn
25	P J Doherty Building	Hugh-Martin Doherty	Billy McCullins	Subaru Impreza	2000T	A8	
26	Mutiny Ltd, Greenergy Fuels	Nigel Griffiths	Andrew Owens	Subaru Impreza	1998T	N4	KWk
27	New Look	Anthony Willmington	Andy White	Mitsubishi Evo 6	2000T	N4	KMk
28		Mark l'Anson	Graeme Walker	Mitsubishi Evo 6	2000T	N4	KWmk
29	Stevlin Surveyors	Kevin Stevens	Stewart Foley	Mitsubishi Evo 7	1998T	N4	KWmkw
30	Multidrive	John Brown	Andrew Sankey	Ford Puma Evo 4x4	1998T	B13	Ww
31	Dunlop Motorsport	Robert Gough	tba	Mitsubishi Lancer	1998T	A8	W
32		Peter Stephenson	Allan Whittaker	Subaru Impreza WRC	1994T	A8	K
33	Protocol Group	Geoff Lennox	Steve Cressey	Mitsubishi Evo 6	1999T	N4	KMk
34	Kumho Tyres	Andrew Haddon	tba	Mitsubishi Evo	1998T	N4	KM
35	Arnside Motorsport	Wayne Sisson	Neill Sisson	Mitsubishi Lancer	2000T	N4	
36	National Windscreens	David Bagshaw	Steve Griffith	Mitsubishi Evo 6	1998T	N4	KM
37	Autopaint International	Don Whitehurst	Terry Atherton	Subaru Impreza	2000T	N4	n
38		Graeme Presswell	Phil Cottam	Mitsubishi Evo 6	1998T	N4	KM
39		Chris Bown	Roger Bown	Mitsubishi Evo 4	1998T	N4	
40		Jon Ausobsky	Anne Watson	Ford Escort Cosworth	1993T	B13	Kk
41	O.L.C.	Ed Roberts	Garry Hunter	Ford Escort Cosworth WRC	2000T	A8	
42	www.tidybike.com	Tony Thompson	Richard Myers	Mitsubishi Evo 6	2000T	N4	
43	Direct Digital	Dave Goulding	Bob Stokoe	Ford Escort Cosworth	1998T	B13	Kk
44	Smart Motorsport	Neil Gatt	Clive Molyneux	Mitsubishi Evo 6	2000T	B13	
45	Kumho Tyres, Rallysports Developments	Craig Middleton	Nathan Parry	Hyundai Coupe Kit Car	1997	A7	Kkw
46	Rally and Competition	Philip Squires	Michael Squires	Ford Escort RS1800	2100	B12	WFwn
47	Havenkey Ltd	Robin Bradbury	Paul Wakeley	Ford Escort MkII	2500	B12	KW
48	Lake Vyrnwy Hotel	John Ashton	Mark Lewis	Ford Escort MkII	2400	B12	w
49		Richard Ceen	tba	Mitsubishi Evo 6	1995T	A8	
50		Tim Jones	Don James	Ford Escort	2000	B11	
51	www.Trade-Sales.co.uk, Yokohama, PB Motorsport	Nick Skelton	Stefan Arndt	Proton Satria	1598	A6	
52		Gareth Jones	Ryland James	Proton Compact	1598	A6	K
53		Dorian Rees	Gareth Hall	Peugeot 106	1598	A6	KWFSkwn
54	M.R.S. Communications, Teng Tools	Richard Hopkins	Eryl Evans	Subaru Impreza STI v5	1994T	N4	WS
55		Arwyn Williams	Terry Moore	Mitsubishi Evo 6	2000T	N4	KMk

56		Johnathan Wilshaw	Elizabeth Adams	Subaru Impreza	2000T	N4	
57	Mobiles 4 Business	Will Onions	Steve Quine	Ford Escort Maxi	1998	A7	S
58	Proton UK	Ian Barrett	Andy Coupland	Proton Satria	1600	A6	Kk
59	sportinglife.com, Michelin	Tony Jardine	Maurice Hamilton	MG ZR	1800	N3	
60	www.peterposh.co.uk	Duncan Williams	Mark Freeman	Peugeot 106 GTi	1587	N2	WSOw
61		Paul Jones	Steve Smallbone	Peugeot 106 GTi	1600	A6	Kk
62	TRL Technology Ltd	Nigel Wakefield	Roger Allan	Vauxhall Astra Sport	1998	N3	Kk
63		Iwan Rees	Aled Rees	Ford Escort MkVI	1998	N3	Ww
64		Michael Murray	Ian Porter	Subaru Impreza	1995T	N4	
65	Watermarque Aquatic	Paul James	Ian Crafer	Mitsubishi Evo 6 RS	1997T	N4	KMk
66	Mick Jones Timber	Stuart Jones	Andy Marchbank	Peugeot 206 XS	1600	A6	
67	Ian M Coomber Automotive	Michael Coomber	Jeremy Pole	Proton Compact	1597	A6	
68	Plaice T & R Insurance	Paul McMullan	Jane Cowling	Proton Satria Kit Car	1600	A6	Kk
69		Steve Loveridge	tba	MG ZR	1800	N3	
70	HRM Motorsport, Pirelli	Harry Dodd	Roy Campbell	Subaru Impreza WRX	1994T	N4	Kk
71	Irmscher Motorsport	Dave Hull	Pamela Hull	Vauxhall Astra Sport	1998	N3	KWSkw
72	Bosal Exhausts, Beach Insurance Brokers	Robert Dalziel	Anthony Lewis	Subaru Impreza WRX	1998T	N4	KWkw
73	Skoda Auto, Incredible	Iain Freestone	Nick Kennedy	Skoda Fabia	1398	N1	Kk
74	Condor Ferries, West Wales Rally Spares	Kevin Mechem	Collette Le Page	Ford Escort MkII	1998	B11	WSw
75	The Fencing Centre	John Hardy	Paul Brimblecombe	Peugeot 205 GTi	1900	A7	K
76	Fat Louis Motorsport, Design Media Supplies Ltd	Richard Lewis	David Lewis	Ford Escort MkII	1998	B11	O
77		Maurice Leach	Nigel Gilbride	Ford Escort	1998	B11	
78		Matthew Humphris	Andrew Cadle	Nissan Micra	1300	A5	Kk
79	Stanwell Trailers	Michael Chinchin	Andrew Juniper	Vauxhall Nova GSI	1598	A6	WSw
80	Transport Action	Sue Hedley	Les Holden	Vauxhall Corsa GS LPG Fuel	1600	N2	Kk
Clubmans							
90	Rally and Competition	Ieuan Rowlands	Kevin Savage	Ford Escort MkII RS	1598	O2	CFScn
91		David Young	James Young	Ford Escort RS	1998	O3	CF
92	Passmores Timber Buildings	James Potter	Andrew Hebron	Ford Escort MkII	2002	O4	Cc
93	Proflex	Martin Meadows	Ian Oakey	Proton Satria	1597	O2	Cc
94	West Wales Rally Spares	Gareth Lloyd	Aled Davies	Ford Escort	2300	O4	C
95	Mikeanics Motorsport	Mike Gilman	Nigel Bayley	Ford Escort Cosworth	1998T	O4	FSn
96	Jason Lepley Motorsport	Jason Lepley	Simon Sparey	Ford Escort RS1800	2400	O4	Cc
97	TNT Tyres (Ludlow) Ltd	Dave Brick	tba	Ford Escort MkII	1997	O3	S
98	Cannock Electrical Installations, P. J. Motors	Paul Lockett	Gary Kenna	Subaru Impreza	2000T	O4	
99	Safe Financials Ltd	Andrew Kenny	Gary Kenny	Mitsubishi Lancer	1997T	O4	
100	S.M.Autocare, Geoff Tile	Steve Magson	Geoff Atkinson	Vauxhall Astra RWD	2600	O4	Cc
101	Passmores Timber Garages	Dick Slaughter	Geoff Dearing	Ford Escort MkII RS1800	1997	O3	Cc
102		Geoffrey Lobb	Christopher Holliday	Opel Manta 400	1998	O3	
103		Joe Price	Elwyn Manual	Talbot Sunbeam Lotus	1998	O3	CF
104	Anglia Province Construction	Peter Rayner	Ian Orford	Ford Escort MkII	1998	O3	S
105		Martin Kenny	Dave Stocking	Ford Escort MkII	2053	O4	S
106	Enviroclear Site Services Ltd	David Short	Richard Crossman	Ford Sierra RS Cosworth	2000T	O4	S
107	D Pritchard Building	Paul Pritchard	Vern Brown	Ford Sierra XR4x4	3000	O4	n
108		John Rowlands	Keith Davies	Ford Escort	1598	O2	S
109	Cheddar Vale Nurseries	Tom Lunn	Graeme Howard	Vauxhall Nova	1600	O2	Cc
110		Sean Bannister	Terry Bannister	Peugeot 306 S16	1998	O3	Cc
111		Steven Finch	Stanley Graham	Ford Escort MkII	1998	O3	Cc
112		Martin Jones	Kevin Owens	Ford Escort	2400	O4	Cc
113	Apex, Calico, Watts Carpentry, Toolite	John Reed	Pauline Nash	Ford Escort	1598	O2	S
114	Team Shoestrung	Richard Perry	Clive Townend	Talbot Sunbeam	1586	O2	
115		Chris Wilson	Eddie Myatt	Vauxhall Astra	2000	O3	w
116	Huws Gray Fitloc	Keith Parry	Gary Mathews	Vauxhall Nova	1598	O2	FS
117		Winston Clarke	Rob Allen	Ford Escort RS2000	1993	O3	Cc
118		Robert Smith	Bob Cooper	Ford Escort	1600	O2	C
119		Kevin Williams	Nigel Jones	Peugeot 205 GTi	1580	O2	Cc
120		Ian Brown	Simon Banham	Honda Civic SiR	1600	O2	Cc
121	Duncan Edwards Rallying	Duncan Edwards	Colin Stevens	Ford Escort	1600	O2	

122	Stephen Belcher	Richard May	Austin Mini	1380	O1	COc
123	Michael Gardner	Lindsay Hanley	Ford Escort MkV	2000	O3	Cc
124 Morgan Motors	Richard Morgan	Chris Ware	Ford KA	1300	O1	
125 Penpont Garage	James Robertson	Mike Rollo	Peugeot 106 S16	1600	O2	
126	Lee Webster	Daniel Price	Ford Escort MkII	2000	O3	C
127 Mac Motorsport & Rally Team	Mark Cowell	Graeme Field	Skoda Felicia	1300	O1	Fn

Historic

140	Desmond Nutt	Geraldine McBride	Porsche 911	1991	B5	Hh
141	John Keatley	Maurice Beckett	Porsche 911	1998	B5	N
142 VK Vodka Kick	Steve Perez	Jonty Bolsover	Porsche 911S	1998	B5	Hh
143 Greens The Signmakers Ltd	Chris Green	Hilary Green	Ford Lotus Cortina Mk I	1597	B3	Hh
144 Corkhills Motorsport	Adrian Kermod	Liz Jordan	Morris Mini Cooper	1293	B2	Hh
145 V.F.R. New Zealand	James Stait	Marcus Cartwright	MG Midget	1275	B2	Hh
146 Charrington Motorsport	David McErlain	tba	Porsche 911	1998	B5	H
147 R.L. Services Security Fencing	Keith Reed	Terry Wilson	Ford Cortina GT	1500	B3	H
148	Clive King	Bob Ward	Austin Mini	1293	B2	HOH
149	Graeme Godfrey	Alan Hudson	Morris Cooper S	1293	B2	Hh
150 Bretts Fish Restaurant	Peter Scott	tba	Ford Cortina GT	1596	B3	H
151 Silkolene Lubricants	Tim Beall	Pete Dalton	Ford Cortina GT	1593	B3	Hh
152 J. C. Autovalet	Neil White	Polly	Ford Cortina GT	1500	B3	H
153	Jim Clark	Simon Coates	Ford Lotus Cortina	1558	B3	Hh
154 Quinaire Ltd	Peter Quinton	Andrew Turner	Ford Cortina GT MkII	1660	B4	Hh
155	David Foster	Terry March	Morris Mini Cooper S	1275	B2	Hh
156	Gwilym Roberts	Bill Robertson	Ford Lotus Cortina	1556	B3	Hh
157 Hot Wheels	Mike Barratt	Michelle Calvert	Austin Mini Cooper S	1275	B2	H
158 Suffolk Motor Sport, Stowmarket Transport Serv's	Keith Pettitt	Bernard Baker	Ford Lotus Cortina	1593	B3	H
159	Michael Hardiment	Christopher Ramsey	Austin Cooper S	1293	B2	Hh
160 Message Labs	Jonathan Gale	Graham Gale	Ford Cortina	1558	B3	Hh
161	Kevin Handley	Karon Wheeler	Austin Healey Sprite	1293	B2	Hh
162	Martyn Baker	Sean Jeffery	Honda S800 Coupe	800	B1	Hh
163 Minilite Wheels	Donald Simmons	Tony Jolly	Ford Cortina GT	1498	B3	H
164 Oshaug Metall AS (Norway)	James Graham	Ian Graham	SAAB 96 Two Stroke	841	B1	
165	Philip Smith	Barbara Smith	Austin Mini Cooper	998	B1	Hh
166 Baker & Duke Solicitors	Alison Lock	Andy Wooller	Austin Mini Cooper	998	B1	Hh

Post Historic

170	Charles Golding	Preston Ayres	Ford Escort RS1600	1800	C3	Hh
171 Armajaro-Historic Rallysport	Richard Gower	Mark Crisp	Ford Escort RS1600	1998	C3	Hh
172	David Stokes	Andrew Stokes	Ford Escort MkI RS1600	1998	C3	Hh
173	Stuart Rolt	Richard Pomfret	Porsche 911	2994	C4	H
174	Frances Tuthill	tba	Porsche			
175	Dominic Frattaroli	Tim Hobbs	Datsun 240Z	2875	C4	Hh
176	Drexel Gillespie	Gill Cotton	Ford Escort RS1600	1600	C3	
177	Ernie Graham	Ken Owen	Ford Escort RS1600	1975	C3	H
178 Dennis Motor Sport, Den Golding Builders	Bob Gibbons	Stuart Cardell	Ford Escort RS2000	1996	C3	Hh
179	Graham Samuel	Tony Phillips	Porsche 911	2400	C4	Hh
180	Jesse Shakespeare	Dean Brady	Ford Escort	1998	C3	
181	Adrian Trickett	Adrian Pickavance	Ford Escort	2000	C3	Hh
182 Armajaro-Historic Rallysport	Anthony Ward	tba	Ford Escort RS1600	1998	C3	H
183	Ricki Proffitt	Phil Harrison	Ford Escort RS1600	2000	C3	HN
184 Easyway Insurance Services	Ken Forster	John Stanger-Leathes	Ford Escort Mexico	1598	C2	Hh
185 Droitwich SAAB	Andrew Street	Simon Gaden	SAAB 99 Ems	1985	C3	Hh
186	Nigel Talton	Dennis Turner	Triumph Dolomite Sprint	1998	C3	Hh
187 F & R Belbin Ltd	Derek Belbin	Michael Davison	Ford Escort Mexico	1598	C2	Hh
188	John Spiers	Mike Brown	Datsun 240Z	2400	C4	H
189	Roger Platt	Peter Gilbert	Ford Escort Mexico	1600	C3	k
190 2CV City	Tony Shields	Brynmor Pierce	Hillman Avenger GT	1598	C2	Hn
191	Philip Atkinson	Gary Wood	Hillman Avenger 1600 GT	1598	C2	Hh
192 Carafit Caravan Services	Kevin Holley	Dan Holley	Hillman Avenger GT	1598	C2	Hh
193	Kevin Broadhurst	Rowand Prentice	Ford Escort Mexico	1598	C2	Hh

194		John Worthing	John Cadwallader	Ford Escort Mexico	1600	C2	Hh
195	Armajaro-Historic Rallysport	Simon Glover	Russ Langthorne	Ford Escort RS1600	1998	C3	Hh
196		Peter Wiseman	Mark Bentley	Ford Escort RS	1600	C3	Hh
197		John Rudd	Kenneth Rudd	Ford Escort Twin Cam	1800	C3	H
198	Leeds Engineering Services	Mike Collins	Roger Sutcliffe	Datsun 240Z	2753	C4	HFn
199		James Francis	Ray Deacon	Ford Escort Estate	1598	C2	H

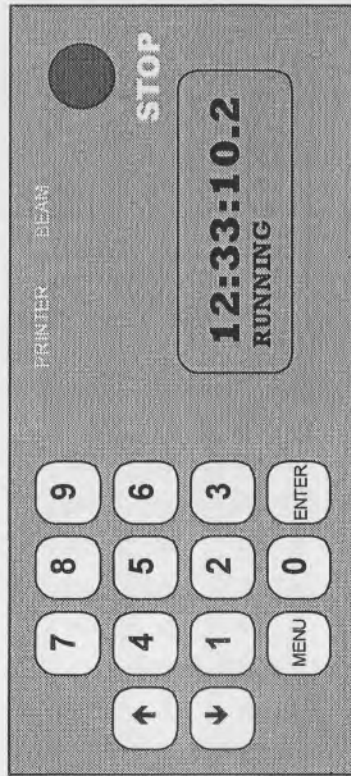
Key	Kk	Driver, Co-Driver Kumho National Championship
	Ww	Driver, Co-Driver Welsh National Championship
	Hh	Driver, Co-Driver MSA British Historic Championship
	M	Driver Mitsubishi Challenge
	Cc	Driver, Co-Driver Kumho Clubmans Championship
	F	Driver RED ANWCC Forest Championship
	N	Driver ANWCC Historic Championship
	S	Driver Sweet Lamb Welsh Clubmans Championship
	O	Driver WSCC Club Award
	n	Co-Driver ANWCC Championship

Course Cars

Location	Control	Time keeper	Assistant Time keeper	Spec control	Course Car	Closer	Closure Deputy Clerk of course
Newtown Start	MC0	*			*	*	
Hafren South	ATC1	*			*	*	
Nat B Sweet Lamb start	MC0					*	
Tarenig Entrance	PC1	*			*	*	
Tarenig	ATC2	*			*	*	
Myherin	ATC3	*			*	*	
Devils Bridge	PC3	*			*	*	
Historic Sweet Lamb Start	MC0		*	*		*	
Sweet Lamb	ATC4		*	*		*	
Service A	TC4		*	*		*	
Sweet Lamb out	MC4		*	*		*	
Hafren North	ATC5		*	*		*	
Forest Office	PC5		*	*		*	
Gartheiniog	ATC6	*	*	*	*		*
Garneddwen	PC6	*	*	*	*		*
Service B	TC6	*	*	*	*	*	
Dolgellau out	MC6	*	*	*	*	*	
Dyfi Main	ATC7	*	*	*	*	*	
Oil Store	PC7	*	*	*	*	*	
Dyfnant	ATC8	*	*	*	*	*	
Tycrwyn	PC8	*	*	*	*	*	
Finish	MC8	*	*	*	*	*	

ECM DIGITAL CLOCK OPERATION

Rally Stage Stop Control - Stage Finish



- The clock display shows time of day to a tenth of a second, set to 'rally time'
- The car breaks the beam as it crosses the flying finish line.
- The time frozen and is recorded in the clock's memory

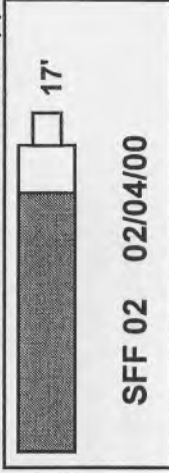
03:06:42.1
STOP #15 M. Vh xxxx

- Enter the relevant car number, in place of xxxx on the display, via the NUMBER keys and then press ENTER then to regain 'running' time display press \uparrow
- If the clock is already frozen and another car crosses the flying finish line and breaks the beam, the time will be recorded. Enter the first car number against the first car time. A \uparrow in the bottom right of the display will indicate further time(s) are stored.

- Use the \uparrow key to access the next new time and enter the car number then press \uparrow again and so on until the 'running' time appears.

PROBLEMS

- If you press any NUMBER key or ENTER - nothing happens
- If you press MENU - the first item of the menu appears



Press ENTER and the correct display reappears

- If you press the \downarrow key - the display freezes and changes to

03:06:42.1
STOP #25 M. Vh. 0000

This display shows the STOP times stored in the clock's memory. Each has a consecutive number attached to it. The time in the above example is the 25th stop time.

You can scroll forwards and backwards through the times in memory - a maximum of 460 - with the \downarrow and \uparrow keys.

If the timing beam fails or is dislodged use the STOP button to record times manually.

You can enter or amend car numbers against any time as you scroll through the memory by overwriting with NUMBER keys and ENTER.

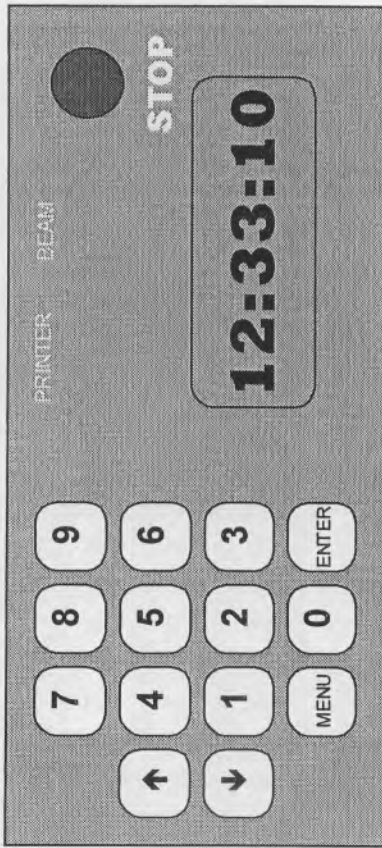
Before the cars arrive practice with car numbers above 500.

RALLYTIME

Digital Timing Hire 0121 354 7066

ECM DIGITAL CLOCK OPERATION

Rally Time Control - ATC



- The clock display shows time of day set to 'rally time'
- The clock is set to an accuracy of one second
- You do not need to press any buttons
- Use the clock simply as a digital time display
- Read the time on the display and fill in the timecard

If you have problems see the reverse of this page

RALLYTIME

Digital Timing Hire 0121 354 7066

Mode 1 / ATCTC/1s

05/10/02

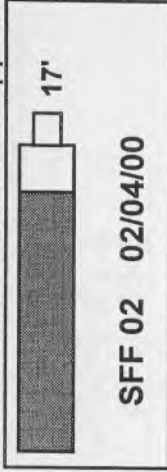
PROBLEMS

- If you happen to press the STOP button - the display will freeze and show -

03:12:45
H E L D

If you press STOP again the display will unfreeze and the correct time will be displayed.

- If you press any NUMBER key or ENTER - nothing happens
- If you press MENU - the first item of the menu appears



Press ENTER and the correct display reappears

- If you press the \blacktriangledown key - the display freezes and changes to

03:06:42.1
STOP #15 M. Vh. 0000

Press \blacktriangleleft until the normal display returns.

RALLYTIME

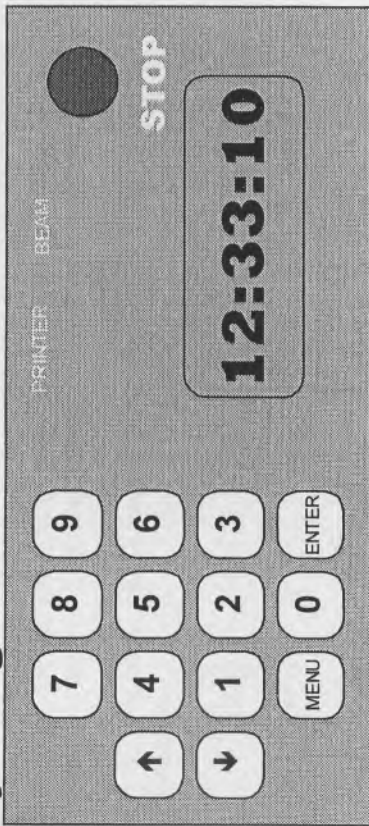
Digital Timing Hire 0121 354 7066

Mode 1 / ATCTC/1s

05/10/02

ECM DIGITAL CLOCK OPERATION

Rally Stage Start Control - SS



- The clock display shows time of day set to 'rally time'
- **12:10:24**
START CAR xxxx
- The clock is set to an accuracy of one tenth of a second but only displays whole seconds
- The clock is set for cars to start on the whole minute.
- When you enter the number of the next car to start with the KEYPAD and ENTER the display tells you how long to the next whole minute.

12:10:32 in 28
12:11:00 S 45

- After the start the clock returns to original display and waits for a new car number.
- Pressing STOP aborts the start and sets the lights to red. Pressing STOP again and ENTER restarts the sequence.

If you have problems see the reverse of this page

RALLYTIME

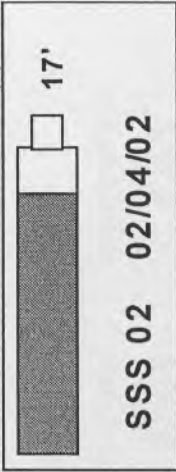
Digital Timing Hire 0121 354 7066

11/10/02

Mode 3 /SS/0.1s

PROBLEMS

- If you press MENU - the first item of the menu appears



Press ENTER and the correct display reappears

- If you press the \uparrow key - the display freezes and changes to

03:06:42.1
START # 15 Vh 0045

This displays the start time of the 15th vehicle car number 45

You can scroll through the stored times with the \downarrow and \uparrow keys edit the car numbers by overwriting with the NUMBER keys and ENTER.

Press \uparrow enough times until the normal display returns.

- You can practice with the clock by experimenting with car numbers above 500. The data will be stored but will not interfere with any of the rally data.

RALLYTIME

Digital Timing Hire 0121 354 7066

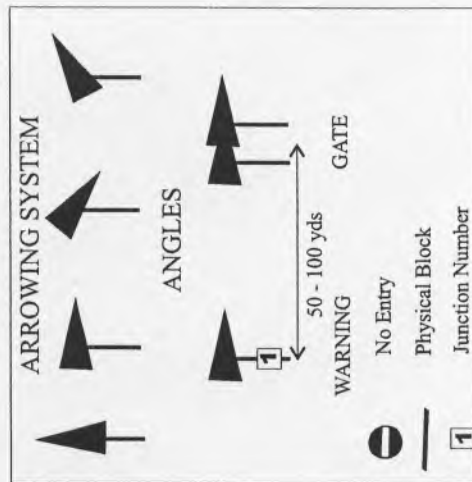
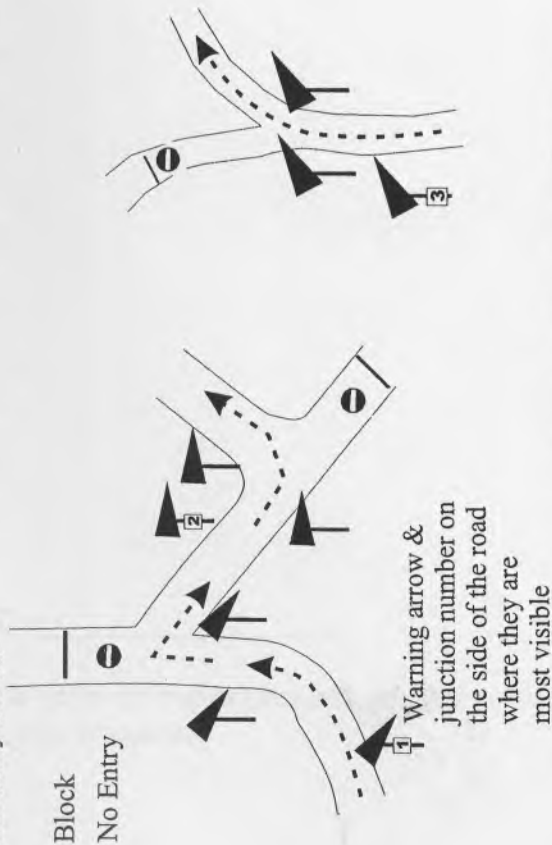
11/10/02

Mode 3 /SS/0.1s

STAGE ARROWING SYSTEM

Position of arrows at JUNCTIONS in conjunction with No Entry boards.

It should be noted that the gate formed by two arrows is always immediately before the junction on the approach road and to avoid ambiguity, where necessary, the angle of directional change will be exaggerated. Incorrect roads will have 'No Entry' boards and will be blocked but not necessarily at the junction. The junction number (indicated in the road book) will be fixed to the warning arrow. There will be no confirmatory arrows.



RALLY CONTROL SIGNS

Main or Time Control



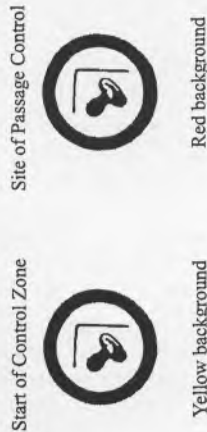
Special Stage Start



Special Stage Finish



Passage Control



BULLDOG RALLY 2002

REPORT TO THE CLERK OF COURSE

From :-

Title:-

SIGNED _____

Please use this form to report breaches of the regulations by competitors or any incidents you observe.



The Bulldog Rally



Receipt of Official Instruction

Time –
 Issued on behalf of the Clerk of the Course –

Title-
 "I have read and understood the attached instruction No - "

No	Signature	No	Signature	No	Signature	No	Signature
1		26		51		76	
2		27		52		77	
3		28		53		78	
4		29		54		79	
5		30		55		80	
6		31		56		81	
7		32		57		82	
8		33		58		83	
9		34		59		84	
10		35		60		85	
11		36		61		86	
12		37		62		87	
13		38		63		88	
14		39		64		89	
15		40		65		90	
16		41		66		91	
17		42		67		92	
18		43		68		93	
19		44		69		94	
20		45		70		95	
21		46		71		96	
22		47		72		97	
23		48		73		98	
24		49		74		99	
25		50		75		100	



The **Bulldog** Rally



**TO: MARSHALS
STAGE COMMANDERS
OFFICIALS
AREA CO-ORDINATORS
ORGANISERS**

THE BEARER OF THIS LETTER IS A GUEST TO THE EVENT

It is understood that Rallies are by the nature of competition dangerous and safety is paramount.

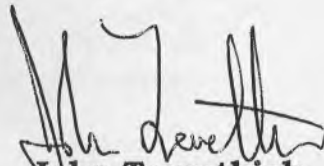
Nevertheless if you can assist the holder of this letter reaching their destination I would ask you to do so.

This document does NOT constitute a pass for a vehicle or for any other reason. The holder is not directly linked to any competitor in the Event and will not be taking any part in the competition.

The bearer understands that the running of the Event is your first concern.

Your word on where anyone may be in your locality is final and the Organisers will back you BUT PLEASE BE REASONABLE.

Thank you


John Trevethick
Clerk of Course

October 18th 2002



The Rally Bulldog



PRESS REPRESENTATIVE

THE BEARER OF THIS AUTHORISATION LETTER IS A REPRESENTATIVE OF THE PRESS ON THIS EVENT

The bearer understands that no special privileges or rights are bestowed by the holding of this letter.

Officials should note the number of the letter as the Organisers can use it to identify the holder.

Please assist this press representative to carry out the necessary duties without jeopardising the safety of competitors or delaying the running of the event.

Your word on where the bearer may be in your locality is final and the Organisers will back you **BUT PLEASE BE REASONABLE.**

Thank you


John Trevethick
Clerk of Course

18th October 2002