

**Northern Navigators - Boxing Day Charity Score event - Durham University Estates - 26.12.14**

30 controls, 60 minute time limit, all controls worth 10 points, penalty of 10 points per minute or part of over time

	name	class	club	ctrls	pts	time	pen	total	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	Duncan Archer	M35	CLOK	29	290	37.51	0	290	166	164	167	172	175	173	178	180	179	177	174	176	171	170	160	161	162	168	163	159	154	153	152	151	155	158	157	156	165	
2	Kris Smith	M21	NUOTC	29	290	43.20	0	290	167	166	164	165	156	157	163	159	158	155	151	152	154	153	160	161	162	168	170	176	171	175	174	177	179	180	178	173	172	
3	Rowan Capper	M16	EBOR	29	290	47.07	0	290	166	164	167	168	171	175	172	173	174	177	178	180	179	176	170	161	162	163	159	160	153	154	152	151	155	158	157	156	165	
4	Mark Saunders	M50	BOK	29	290	47.40	0	290	173	177	178	180	179	174	172	175	176	171	170	161	160	153	154	152	151	155	158	159	163	162	168	167	166	164	157	156	165	
5	Brendan Anglim	M40	CLOK	29	290	49.58	0	290	173	178	180	179	177	174	172	175	171	176	170	161	160	153	154	152	151	155	158	159	163	162	168	167	166	164	157	156	165	
6	Pippa Archer	W21	CLOK	29	290	50.20	0	290	166	164	163	162	168	167	172	173	178	180	179	177	174	175	171	176	170	161	160	153	154	152	159	155	151	158	156	157	165	
7	David Aspin	M40	CLOK	29	290	51.37	0	290	166	167	164	165	156	157	158	155	151	152	154	153	160	161	162	163	159	168	170	171	176	175	172	174	177	178	179	180	173	
8	George Hare	M45	NATO	29	290	56.05	0	290	165	156	157	158	155	151	152	154	153	160	161	170	171	176	179	180	178	177	174	175	172	173	168	162	159	163	164	167	166	
9	Robb Moody	M21	POTOC	29	290	56.42	0	290	165	156	157	158	155	151	152	154	153	160	161	159	163	162	170	171	176	179	180	178	177	174	175	172	173	168	167	164	166	
10	Christopher Wright	M50	CLOK	29	290	57.06	0	290	172	173	178	180	179	177	174	175	171	176	170	161	160	153	154	152	155	151	158	157	156	165	166	167	164	163	159	162	168	167
11	David Smyth	M21	NATO	29	290	57.59	0	290	173	177	178	180	179	174	172	175	176	171	170	161	160	153	154	152	151	155	158	157	156	165	164	163	159	162	168	167	166	
12	Barnaby Warren	M16	NN	28	280	51.18	0	280	173	177	178	180	179	174	172	175	176	170	161	160	153	152	154	155	151	165	156	157	158	159	163	162	168	167	164	166		
13	Julian Warren	M45	NN	28	280	54.51	0	280	173	177	178	180	179	174	175	172	171	176	170	161	160	153	154	152	151	155	159	163	162	168	167	166	164	157	156	165		
14	Alice Bedwell	W50	BOK	28	280	57.28	0	280	166	164	157	156	158	155	151	152	154	153	160	161	162	170	176	174	177	178	179	180	173	172	175	168	167	165	163	159		
15	Oscar Anglim	M12	CLOK	28	280	59.22	0	280	173	178	180	179	177	174	172	175	171	176	170	161	160	153	154	152	151	155	158	159	163	164	157	156	165	166	167	168		
16	Ken Maynard	M55	ind	27	270	52.23	0	270	166	167	173	178	180	179	177	174	176	171	168	162	161	160	153	154	152	151	155	158	157	165	156	164	163	159	172			
17	Rob Bailey	M50	CLOK	27	270	52.24	0	270	165	156	157	158	155	151	152	154	153	160	161	162	170	171	175	172	173	178	180	179	174	168	163	159	164	167	166			
18	Graham Capper	M55	EBOR	27	270	54.55	0	270	165	156	157	158	163	159	155	151	152	154	153	160	161	162	160	170	176	179	178	173	172	174	175	171	168	162	164	167	166	
19	Caitlin Pearson	W21	SWOC	27	270	56.36	0	270	173	177	178	180	179	174	172	175	176	170	161	160	153	154	159	163	162	168	167	166	164	157	156	158	155	151	165			
20	Adrian Barnes	M60	NATO	27	270	57.16	0	270	166	167	164	165	156	157	158	163	159	155	151	152	154	153	160	161	162	168	170	176	171	175	172	174	177	178	173			
21	Willard Wright	M50	NATO	29	290	61.31	-20	270	165	156	157	158	155	152	154	153	160	161	162	159	163	164	166	167	168	170	171	176	174	177	178	179	180	173	172	175	151	
22	Patrick Smyth	M55	NATO	26	260	48.11	0	260	165	156	157	158	155	151	152	154	153	160	161	170	171	176	175	172	174	177	173	168	162	159	163	164	167	166				
23	Martyn Dean	M50	CLOK	26	260	58.55	0	260	173	178	180	179	177	172	175	174	176	170	161	160	153	154	152	155	151	156	165	157	163	162	168	167	164	166				
24	Paul Boyles	M35	NATO	25	250	54.23	0	250	165	156	157	158	155	151	152	154	153	160	161	162	163	168	171	176	179	178	173	172	175	167	159	164	166					
25	Jenna Maynard	W21	ind	25	250	56.32	0	250	167	168	171	176	175	179	180	178	177	174	173	172	168	162	163	159	154	152	155	151	158	157	156	165	164					
26	Michael Thompson	M40	NN	25	250	58.32	0	250	165	156	157	158	155	151	152	154	153	160	161	162	170	176	179	180	178	177	173	168	163	159	164	167	166					
27	Eloise Wright	W16	CLOK	24	240	53.08	0	240	165	156	157	158	155	151	152	154	153	160	161	159	163	162	168	171	176	174	172	175	173	167	166	164						
28	Rebecca Aspin	W12	CLOK	24	240	53.47	0	240	165	156	157	158	155	151	152	153	160	161	162	168	171	176	174	172	175	163	159	154	164	166	167	173						
29	Thomas Aspin	M12	CLOK	24	240	58.06	0	240	165	156	157	158	155	151	152	154	153	160	161	162	170	176	171	175	172	174	173	168	163	164	167	166						
30	Mary Rack	W50	NATO	24	240	58.50	0	240	165	156	157	164	166	167	168	162	163	158	155	151	152	154	153	160	161	159	171	176	175	172	174	173						
31	Katherine Marshall-Ivens	W40	NN	25	250	60.46	-10	240	166	167	172	173	174	177	178	180	179	176	175	171	170	161	160	153	154	152	151	156	165	157	163	162	168					
32	Bob Cooper	M65	NN	23	230	58.13	0	230	165	156	157	151	155	158	159	163	154	152	153	160	170	176	179	180	178	177	174	173	167	164	166							
33	Andrew Nicoll	M70	NATO	23	230	59.13	0	230	173	172	175	174	177	178	179	176	171	168	163	159	162	170	161	154	152	155	158	157	164	167	166							
34	Malcolm Hewitson	M50	CLOK	23	230	59.29	0	230	165	156	157	158	155	151	152	154	153	161	162	168	170	176	179	178	173	172	167	166	164	163	159							
35	Oskar Maatta	M16	NN	24	240	60.07	-10	230	173	177	178	180	179	176	174	172	175	168	162	161	160	153	154	152	155	158	159	163	167	164	166	165						
36	Louise Dunn	W50	EBOR	22	220	50.44	0	220	173	178	180	179	177	174	172	175	171	168	162	159	163	158	157	156	165	151	155	164	167	166								
37	Alana Wright	W20	CLOK	22	220	55.59	0	220	173	174	172	175	176	171	168	162	170	161	160	153	154	152	151	155	158	157	156	165	166	167								
38	Dave Robson	M60	ind	22	220	57.24	0	220	165	156	151	155	152	154	153	162	168	167	166	173	180	179	178	177	174	175	172	164	157	158								
39	Karen Blackburn	W65	BL	22	220	58.23	0	220	166	164	165	165	157	158	155	151	152	154	153	159	163	162	161	168	175	172	174	177	173	167								
40	David Tallentire	M21	ind	22	220	59.15	0	220	166	167	164	165	156	157	158	155	151	152	154	153	160	161	162	168	170	171	176	174	172	173								
41	Isla Mathieson	W45	CLOK	21	210	48.32	0	210	165	156	157	164	163	159	158	155	151	152	154	153	160	161	162	168	175	172	173	167	166									
42	Camilla Lauren-Maatta	W45	NN	21	210	54.49	0	210	166	167	164	165	156	157	158	155	151	152	154	153	161	162	163	168	171	176	175	172	173									
43	Patricia Davies	W55	NATO	21	210	57.09	0	210	165	166	164	157	158	155	151	152																						



# DURHAM UNIVERSITY ESTATES

Scale 1:5000  
Contours 5m

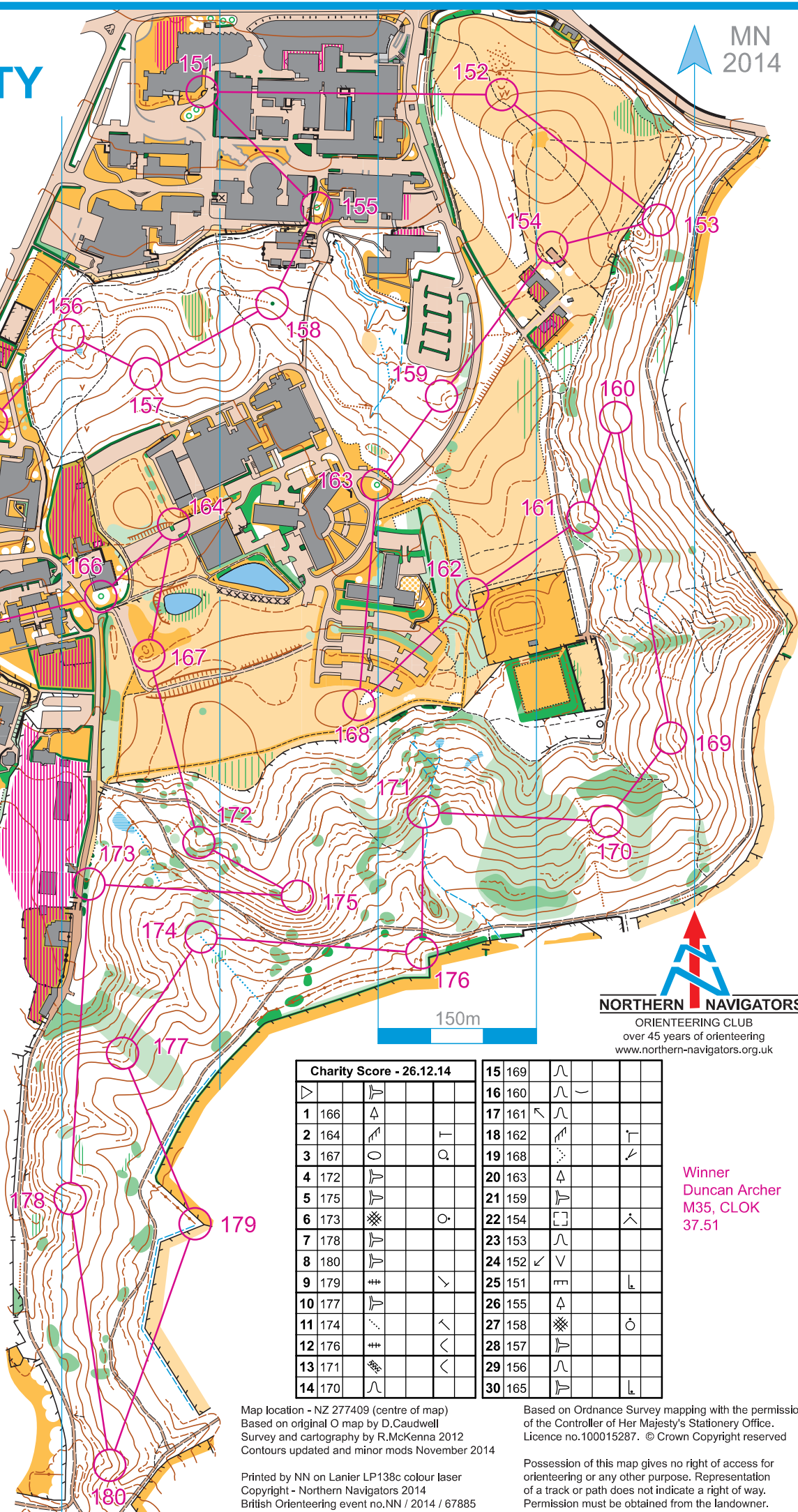


MN  
2014

out of bounds areas

Symbols to ISSOM 2007

- Impassable boundaries**
- cliff
  - wall
  - fence
  - hedge
  - vegetation, flower bed
  - body of water
- impassable building  
 passable canopy  
 surfaced area (urban)  
 un-paved path (urban)  
 un-paved path (non-urban)  
 small path (non-urban)  
 indistinct path (non-urban)  
 passable wall (urban)  
 passable wall (non-urban)  
 impassable wall (urban)  
 impassable wall (non-urban)  
 passable fence  
 impassable fence  
 crossing point  
 contour  
 form line  
 steep earth bank  
 small earth wall  
 small erosion gully  
 knoll / pit / small depression  
 broken ground  
 impassable cliff  
 passable rock face  
 boulder / cairn / picnic bench  
 impassable body of water  
 passable small water course  
 minor water course  
 narrow marsh  
 waterhole  
 significant single tree  
 open land  
 rough open land  
 open with scattered trees  
 forest : easy running  
 forest : slow running  
 forest : difficult to run  
 vegetation : difficult to run  
 vegetation/flower bed: impassable  
 Undergrowth : slow running  
 distinct vegetation boundary  
 area with forbidden access



**NORTHERN NAVIGATORS**

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Charity Score - 26.12.14			
1	166	△	
2	164	∇	┌
3	167	○	⊙
4	172	⊥	
5	175	⊥	
6	173	⊗	⊙
7	178	⊥	
8	180	⊥	
9	179	⊥	∨
10	177	⊥	
11	174	∩	∧
12	176	⊥	<
13	171	⊗	<
14	170	∩	
15	169	∩	
16	160	∩	┌
17	161	∩	
18	162	∩	┌
19	168	∩	∩
20	163	∩	
21	159	∩	∩
22	154	∩	∩
23	153	∩	
24	152	∩	∩
25	151	∩	∩
26	155	∩	
27	158	∩	∩
28	157	∩	
29	156	∩	
30	165	∩	∩

**Winner**  
**Duncan Archer**  
**M35, CLOK**  
**37.51**

Map location - NZ 277409 (centre of map)  
Based on original O map by D.Caudwell  
Survey and cartography by R.McKenna 2012  
Contours updated and minor mods November 2014

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