

**YCCCART 2014/Y20
North Somerset HER 2015/11**

**Manual survey using an electronic, hydriostatic level (NIVCOMP) at
Wemberham Roman Villa**

Appendices 1 - 4

**YATTON, CONGRESBURY, CLAVERHAM AND CLEEVE
ARCHAEOLOGICAL RESEARCH TEAM (YCCCART)**

Appendix 1A

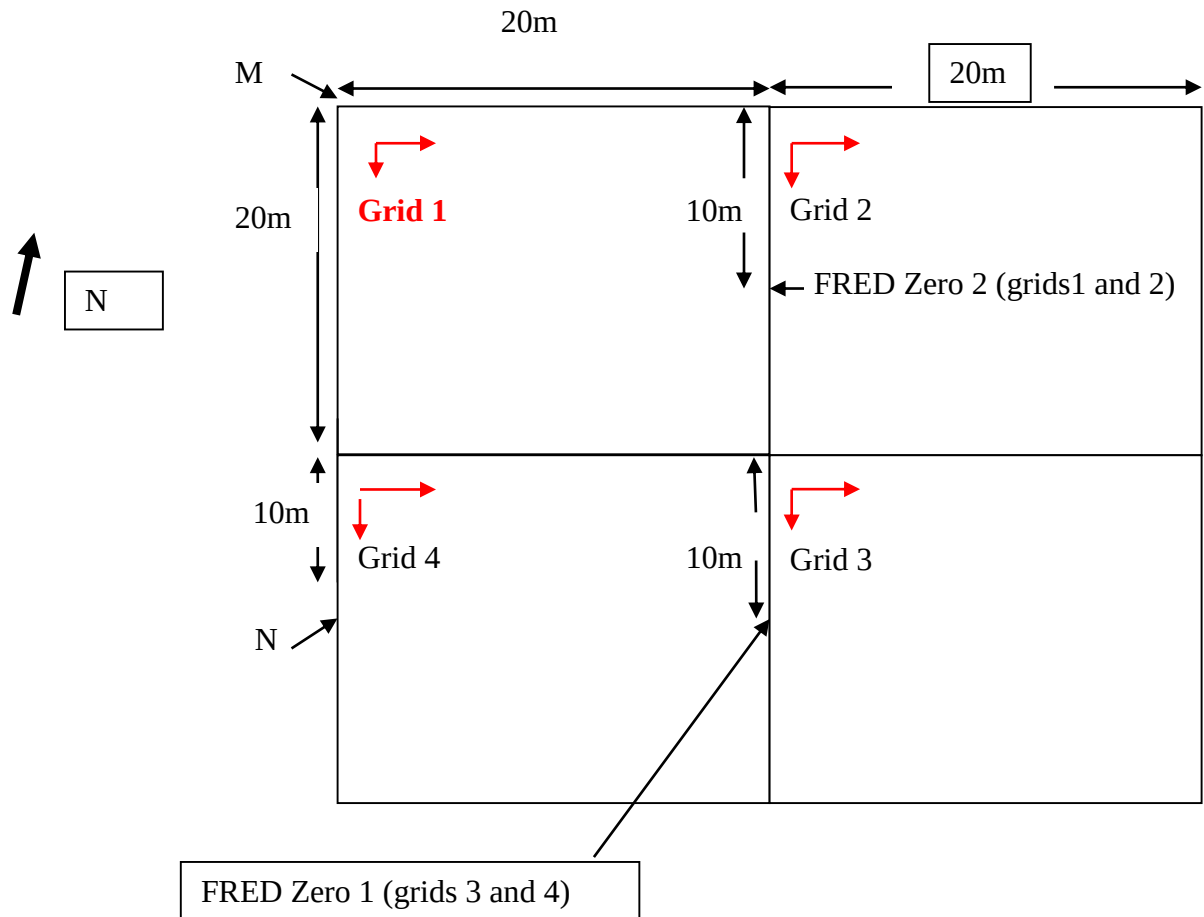
Site Record

YCCCART Site Survey Project – Manual survey	
Survey date	10/10/13 and 17/10/13
Location	Wemberham Villa, Yatton
Site name	Grid 1 24 th June
Reference	
Type / Instrument	NIVCOMP electronic hydrostatic level
Survey area	20 x 20 m grid X axis Southerly, 21 columns@ 1 m intervals Y axis Easterly, 21 columns@ 1 m intervals Z axis: height above (+), or below (-) Zero point in mm Zero point (FRED zero2): 10 m along east edge of Grid
Data files	Raw data: Paper copy in Manual Folder Scanned copy in Wemberham Grid 1 24 th June Surfer: Wem grid 1 24 th June.xls Wem grid 1 24 th June.rtf Wem grid 1 24 th June.grd Wem grid 1 24 th June.srf
Survey team and conditions	
Team	10/10/13 R Ferdinando, G Pearson, B Wills, M Rosevink, P English, I Morton 17/10/13 R Ferdinando, G Pearson, B Wills, M Rosevink, D Walker, I Morton
Weather	10/10/13 Sunny, cold; 17/10/13 Dull, warm, showers
Additional information	
Landowner	H M & K I Stowell & Son
Tenant	-
HER ref	TBC
Site type	Open land
Description	Grass for grazing
Period	Roman
Geology	
Land use	Grazing
Comments	FRED zero 1 and 2 are at the same level (0)

Report date	28/11/13
Author	G Pearson

Plan

RM 15 survey 24 June 2013 (**Grid1**)



(FRED zero 1 and FRED zero 2 are at the same level, viz., 0)

Data from XL file

X m	Y m	Z mm
0	0	153
0	1	145
0	2	148
0	3	138
0	4	122
0	5	201
0	6	195
0	7	194
0	8	200
0	9	202
0	10	199
0	11	221
0	12	248
0	13	259
0	14	286
0	15	330
0	16	255
0	17	203
0	18	208
0	19	214
0	20	248
1	0	211
1	1	191
1	2	212
1	3	188
1	4	197
1	5	227
1	6	211
1	7	201
1	8	210
1	9	228
1	10	213
1	11	241
1	12	220
1	13	233
1	14	235
1	15	245
1	16	266

1	17	241
1	18	284
1	19	357
1	20	410
2	0	240
2	1	229
2	2	219
2	3	193
2	4	182
2	5	220
2	6	209
2	7	182
2	8	188
2	9	195
2	10	193
2	11	209
2	12	213
2	13	221
2	14	230
2	15	254
2	16	284
2	17	304
2	18	352
2	19	414
2	20	465
3	0	264
3	1	233
3	2	229
3	3	214
3	4	178
3	5	207
3	6	184
3	7	144
3	8	133
3	9	121
3	10	134
3	11	153
3	12	193
3	13	217
3	14	245
3	15	280
3	16	298
3	17	318

3	18	335
3	19	370
3	20	434
4	0	299
4	1	266
4	2	240
4	3	231
4	4	186
4	5	195
4	6	169
4	7	129
4	8	86
4	9	113
4	10	149
4	11	199
4	12	235
4	13	288
4	14	344
4	15	363
4	16	372
4	17	359
4	18	318
4	19	328
4	20	372
5	0	344
5	1	295
5	2	246
5	3	225
5	4	174
5	5	181
5	6	195
5	7	157
5	8	158
5	9	138
5	10	168
5	11	190
5	12	217
5	13	296
5	14	356
5	15	378
5	16	371
5	17	328
5	18	306

5	19	298
5	20	300
6	0	355
6	1	292
6	2	261
6	3	241
6	4	170
6	5	166
6	6	216
6	7	223
6	8	184
6	9	163
6	10	136
6	11	156
6	12	178
6	13	225
6	14	280
6	15	283
6	16	287
6	17	255
6	18	252
6	19	236
6	20	249
7	0	302
7	1	238
7	2	210
7	3	193
7	4	126
7	5	100
7	6	131
7	7	169
7	8	84
7	9	88
7	10	-42
7	11	-27
7	12	50
7	13	95
7	14	108
7	15	90
7	16	56
7	17	78
7	18	130
7	19	128

7	20	113
8	0	202
8	1	170
8	2	117
8	3	84
8	4	45
8	5	14
8	6	35
8	7	49
8	8	-3
8	9	-150
8	10	-270
8	11	-297
8	12	-235
8	13	-90
8	14	-51
8	15	-52
8	16	-104
8	17	-99
8	18	-64
8	19	-24
8	20	-10
9	0	135
9	1	101
9	2	42
9	3	4
9	4	-22
9	5	-77
9	6	-100
9	7	-126
9	8	-232
9	9	-346
9	10	-378
9	11	-395
9	12	-359
9	13	-257
9	14	-170
9	15	-130
9	16	-140
9	17	-125
9	18	-96
9	19	-77
9	20	-13

10	0	114
10	1	82
10	2	58
10	3	9
10	4	-62
10	5	-122
10	6	-188
10	7	-335
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10	9	-351
10	10	-274
10	11	-312
10	12	-316
10	13	-272
10	14	-233
10	15	-168
10	16	-140
10	17	-83
10	18	-47
10	19	-15
10	20	-3
11	0	207
11	1	182
11	2	139
11	3	41
11	4	-32
11	5	-116
11	6	-241
11	7	-336
11	8	-299
11	9	-152
11	10	-95
11	11	-142
11	12	-209
11	13	-172
11	14	-141
11	15	-132
11	16	-111
11	17	-34
11	18	-1
11	19	-19
11	20	-44
12	0	324

12	1	302
12	2	206
12	3	116
12	4	-7
12	5	-171
12	6	-312
12	7	-267
12	8	-210
12	9	-136
12	10	-102
12	11	-123
12	12	-151
12	13	-108
12	14	-93
12	15	-49
12	16	-20
12	17	20
12	18	28
12	19	-2
12	20	-74
13	0	435
13	1	382
13	2	247
13	3	111
13	4	-77
13	5	-208
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13	7	-209
13	8	-202
13	9	-170
13	10	-144
13	11	-137
13	12	-151
13	13	-122
13	14	-79
13	15	-51
13	16	0
13	17	25
13	18	31
13	19	-60
13	20	-32
14	0	497
14	1	416

14	2	268
14	3	60
14	4	-114
14	5	-208
14	6	-291
14	7	-266
14	8	-211
14	9	-218
14	10	-180
14	11	-153
14	12	-135
14	13	-136
14	14	-102
14	15	-51
14	16	-6
14	17	3
14	18	22
14	19	40
14	20	28
15	0	507
15	1	451
15	2	297
15	3	79
15	4	-120
15	5	-244
15	6	-297
15	7	-295
15	8	-257
15	9	-242
15	10	-196
15	11	-144
15	12	-127
15	13	-84
15	14	-98
15	15	-97
15	16	-67
15	17	-34
15	18	-4
15	19	8
15	20	29
16	0	501
16	1	449
16	2	350

16	3	199
16	4	-45
16	5	-230
16	6	-283
16	7	-298
16	8	-280
16	9	-265
16	10	-179
16	11	-148
16	12	-108
16	13	-92
16	14	-113
16	15	-91
16	16	-88
16	17	-45
16	18	-24
16	19	14
16	20	25
17	0	445
17	1	391
17	2	328
17	3	239
17	4	72
17	5	-142
17	6	-242
17	7	-293
17	8	-273
17	9	-226
17	10	-157
17	11	-138
17	12	-112
17	13	-86
17	14	-110
17	15	-117
17	16	-70
17	17	-56
17	18	-42
17	19	1
17	20	39
18	0	380
18	1	315
18	2	283
18	3	225

18	4	127
18	5	-77
18	6	-205
18	7	-236
18	8	-256
18	9	-209
18	10	-134
18	11	-83
18	12	-77
18	13	-89
18	14	-104
18	15	-95
18	16	-44
18	17	-54
18	18	-43
18	19	-12
18	20	21
19	0	450
19	1	429
19	2	399
19	3	362
19	4	266
19	5	123
19	6	-84
19	7	-178
19	8	-238
19	9	-209
19	10	-137
19	11	-23
19	12	8
19	13	-4
19	14	-29
19	15	-20
19	16	12
19	17	15
19	18	6
19	19	22
19	20	24
20	0	502
20	1	498
20	2	469
20	3	436
20	4	337

20	5	221
20	6	71
20	7	-87
20	8	-169
20	9	-185
20	10	-109
20	11	0
20	12	73
20	13	100
20	14	93
20	15	74
20	16	135
20	17	70
20	18	4
20	19	3
20	20	69

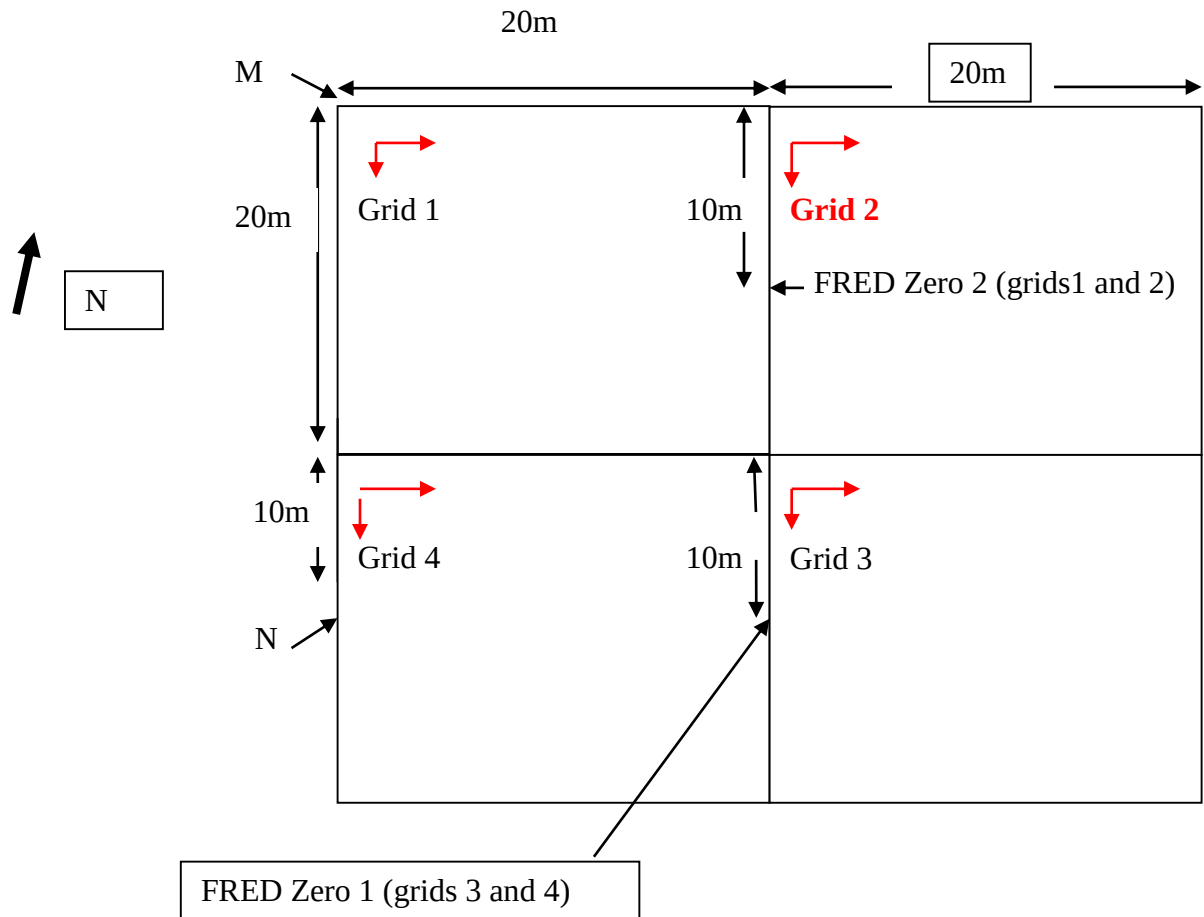
Appendix 1B

Site Record

YCCCART Site Survey Project – Manual survey	
Survey date	24/10/13
Location	Wemberham Villa, Yatton
Site name	Grid 2 24 th June
Reference	
Type / Instrument	NIVCOMP electronic hydrostatic level
Survey area	20 x 20 m grid X axis Southerly, 21 columns@ 1 m intervals Y axis Easterly, 21 columns@ 1 m intervals Z axis: height above (+), or below (-) Zero point in mm Zero point (FRED zero2): 10 m along west edge of Grid
Data files	Raw data: Paper copy in Manual Folder Scanned copy in Wemberham Grid 2 24 th June Surfer: Wem grid 2 24 th June.xls Wem grid 2 24 th June.rtf Wem grid 2 24 th June.grd Wem grid 2 24 th June.srf
Survey team and conditions	
Team	R Ferdinando, G Pearson, B Wills, M Rosevink, J Burdge, A D
Weather	Sunny, dry
Additional information	
Landowner	H M & K I Stowell & Son
Tenant	-
HER ref	TBC
Site type	Open land
Description	Grass for grazing
Period	Roman
Geology	
Land use	Grazing
Comments	FRED zero 1 and 2 are at the same level (0)
Report date	28/11/13
Author	G Pearson

Plan

RM 15 survey 24 June 2013 (**Grid2**)



(FRED zero 1 and FRED zero 2 are at the same level, viz., 0)

Data from XL file

X m	Y m	Z mm
0	0	234
0	1	239
0	2	426
0	3	467
0	4	466
0	5	462
0	6	496
0	7	517
0	8	558
0	9	596
0	10	600
0	11	609
0	12	613
0	13	606
0	14	558
0	15	468
0	16	371
0	17	394
0	18	496
0	19	599
0	20	622
1	0	399
1	1	433
1	2	483
1	3	497
1	4	497
1	5	513
1	6	537
1	7	544
1	8	562
1	9	608
1	10	612
1	11	616
1	12	633
1	13	622
1	14	570
1	15	468
1	16	436
1	17	467
1	18	539
1	19	664
1	20	763

2	0	446
2	1	480
2	2	492
2	3	505
2	4	514
2	5	515
2	6	533
2	7	532
2	8	545
2	9	562
2	10	549
2	11	537
2	12	580
2	13	574
2	14	506
2	15	486
2	16	539
2	17	624
2	18	749
2	19	843
2	20	910
3	0	420
3	1	445
3	2	460
3	3	449
3	4	467
3	5	459
3	6	467
3	7	463
3	8	475
3	9	474
3	10	465
3	11	488
3	12	497
3	13	486
3	14	480
3	15	541
3	16	721
3	17	835
3	18	896
3	19	945
3	20	953
4	0	370
4	1	375
4	2	386

4	3	389
4	4	486
4	5	394
4	6	387
4	7	386
4	8	396
4	9	418
4	10	429
4	11	435
4	12	418
4	13	447
4	14	467
4	15	551
4	16	744
4	17	874
4	18	937
4	19	967
4	20	984
5	0	308
5	1	317
5	2	332
5	3	353
5	4	339
5	5	329
5	6	338
5	7	324
5	8	336
5	9	385
5	10	396
5	11	393
5	12	393
5	13	417
5	14	439
5	15	575
5	16	737
5	17	879
5	18	905
5	19	922
5	20	932
6	0	236
6	1	228
6	2	250
6	3	261
6	4	277
6	5	282

6	6	305
6	7	316
6	8	325
6	9	376
6	10	394
6	11	398
6	12	416
6	13	433
6	14	482
6	15	562
6	16	674
6	17	771
6	18	845
6	19	880
6	20	881
7	0	97
7	1	92
7	2	121
7	3	176
7	4	198
7	5	229
7	6	272
7	7	325
7	8	365
7	9	423
7	10	444
7	11	493
7	12	491
7	13	519
7	14	556
7	15	588
7	16	627
7	17	677
7	18	755
7	19	785
7	20	794
8	0	-27
8	1	1
8	2	47
8	3	110
8	4	154
8	5	230
8	6	293
8	7	383
8	8	472

8	9	504
8	10	534
8	11	570
8	12	566
8	13	602
8	14	614
8	15	626
8	16	625
8	17	652
8	18	657
8	19	689
8	20	689
9	0	-16
9	1	8
9	2	16
9	3	31
9	4	130
9	5	223
9	6	317
9	7	427
9	8	518
9	9	598
9	10	626
9	11	654
9	12	649
9	13	647
9	14	674
9	15	658
9	16	663
9	17	642
9	18	672
9	19	661
9	20	643
10	0	3
10	1	-29
10	2	-67
10	3	-47
10	4	58
10	5	195
10	6	312
10	7	433
10	8	542
10	9	658
10	10	702
10	11	705

10	12	702
10	13	694
10	14	679
10	15	657
10	16	653
10	17	662
10	18	667
10	19	637
10	20	621
11	0	-43
11	1	-78
11	2	-94
11	3	-66
11	4	-27
11	5	107
11	6	233
11	7	363
11	8	476
11	9	576
11	10	693
11	11	704
11	12	715
11	13	682
11	14	645
11	15	644
11	16	621
11	17	634
11	18	664
11	19	673
11	20	639
12	0	-71
12	1	-107
12	2	-109
12	3	-85
12	4	-45
12	5	18
12	6	162
12	7	275
12	8	394
12	9	497
12	10	587
12	11	632
12	12	638
12	13	613
12	14	601

12	15	604
12	16	583
12	17	573
12	18	616
12	19	649
12	20	655
13	0	-35
13	1	-97
13	2	-127
13	3	-95
13	4	-83
13	5	-38
13	6	30
13	7	175
13	8	309
13	9	384
13	10	485
13	11	568
13	12	580
13	13	591
13	14	593
13	15	566
13	16	565
13	17	569
13	18	560
13	19	609
13	20	638
14	0	21
14	1	-29
14	2	-91
14	3	-115
14	4	-124
14	5	-84
14	6	-24
14	7	44
14	8	189
14	9	325
14	10	418
14	11	519
14	12	551
14	13	583
14	14	583
14	15	583
14	16	579
14	17	578

14	18	589
14	19	587
14	20	625
15	0	35
15	1	37
15	2	-46
15	3	-117
15	4	-149
15	5	-137
15	6	-91
15	7	-30
15	8	79
15	9	254
15	10	369
15	11	476
15	12	557
15	13	595
15	14	620
15	15	656
15	16	644
15	17	612
15	18	650
15	19	651
15	20	663
16	0	29
16	1	-9
16	2	-79
16	3	-114
16	4	-151
16	5	-172
16	6	-148
16	7	-73
16	8	-7
16	9	120
16	10	294
16	11	412
16	12	530
16	13	643
16	14	718
16	15	782
16	16	744
16	17	689
16	18	716
16	19	719
16	20	721

17	0	52
17	1	-52
17	2	-116
17	3	-117
17	4	-186
17	5	-168
17	6	-182
17	7	-121
17	8	-57
17	9	45
17	10	206
17	11	368
17	12	492
17	13	637
17	14	754
17	15	836
17	16	815
17	17	767
17	18	746
17	19	744
17	20	756
18	0	26
18	1	-29
18	2	-145
18	3	-185
18	4	-207
18	5	-218
18	6	-184
18	7	-166
18	8	-124
18	9	-68
18	10	60
18	11	225
18	12	410
18	13	583
18	14	718
18	15	837
18	16	876
18	17	822
18	18	768
18	19	765
18	20	744
19	0	28
19	1	5
19	2	-109

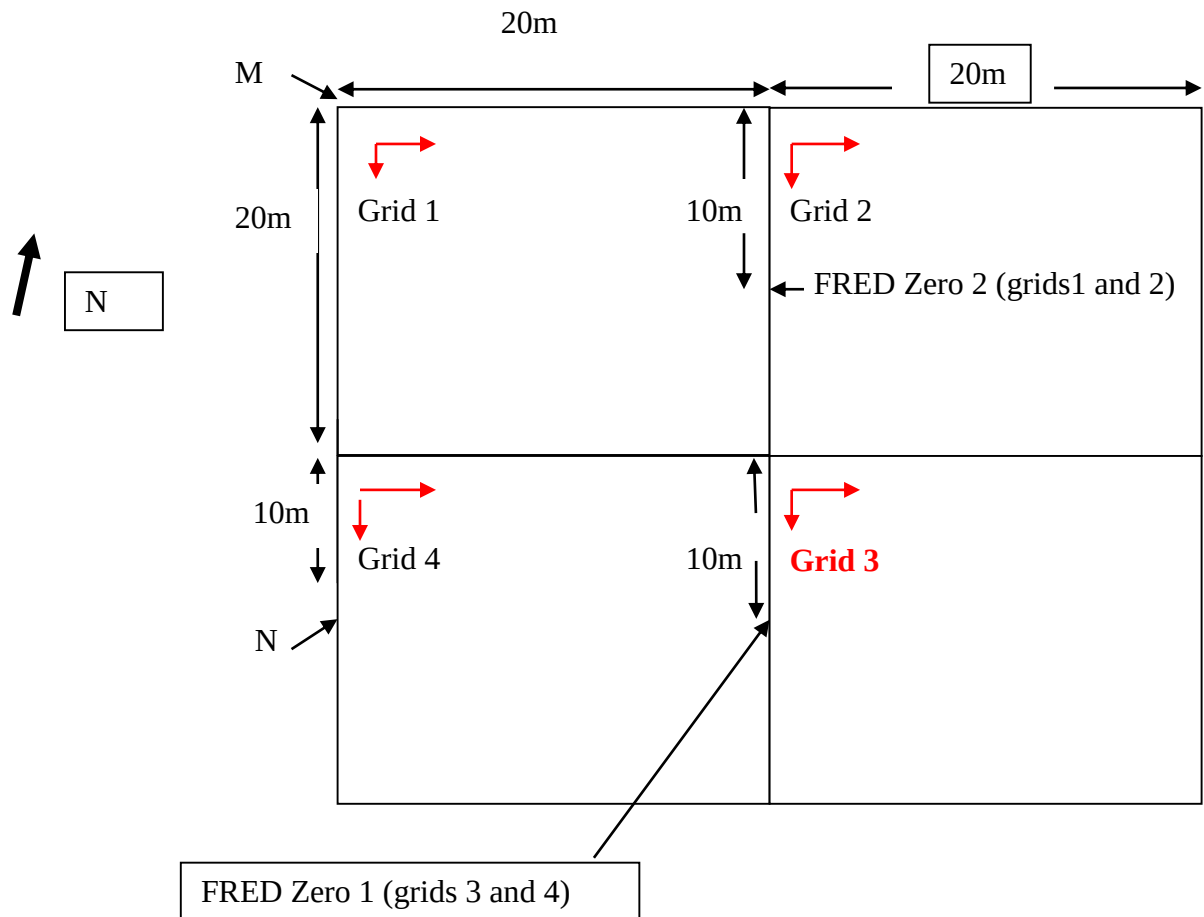
19	3	-180
19	4	-176
19	5	-128
19	6	-167
19	7	-184
19	8	-136
19	9	-70
19	10	-8
19	11	133
19	12	322
19	13	491
19	14	662
19	15	785
19	16	886
19	17	869
19	18	806
19	19	778
19	20	809
20	0	64
20	1	34
20	2	-18
20	3	-38
20	4	-62
20	5	-38
20	6	-76
20	7	-119
20	8	-162
20	9	-110
20	10	-32
20	11	63
20	12	193
20	13	358
20	14	582
20	15	792
20	16	890
20	17	947
20	18	866
20	19	798
20	20	815

Appendix 1 C
Site Record

YCCCART Site Survey Project – Manual survey	
Survey date	29/8/13 and 12/9/13
Location	Wemberham Villa, Yatton
Site name	Grid 3 24 th June
Reference	
Type / Instrument	NIVCOMP electronic hydrostatic level
Survey area	19 x 20 m grid X axis Southerly, 21 columns@ 1 m intervals Y axis Easterly, 20 columns@ 1 m intervals Z axis: height above (+), or below (-) Zero point in mm Zero point (FRED zero1): 10 m along west edge of Grid
Data files	Raw data: Paper copy in Manual Folder Scanned copy in Wemberham Grid 3 24 th June Surfer: Wem grid 3 24 th June.xls Wem grid 3 24 th June.rtf Wem grid 3 24 th June.grd Wem grid 3 24 th June.srf
Survey team and conditions	
Team	29/8/13 M Rosevink, J Burdge, B Wills, G Pearson, 12/9/13 V Russet, R Ferdinando, P Cormack, B Wills
Weather	29/8/13 Dull/Sunny/showers; 12/9/13, Not recorded
Additional information	
Landowner	H M & K I Stowell & Son
Tenant	-
HER ref	TBC
Site type	Open land
Description	Grass for grazing
Period	Roman
Geology	
Land use	Grazing
Comments	FRED zero 1 and 2 are at the same level (0)
Report date	25/11/13
Author	G Pearson

Plan

RM 15 survey 24 June 2013 (**Grid3**)



Data from XL file

Xm	Ym	Zmm
0	1	78
0	2	7
0	3	8
0	4	-59
0	5	-42
0	6	-50
0	7	-101
0	8	-136
0	9	-83
0	10	-10
0	11	54
0	12	175
0	13	316
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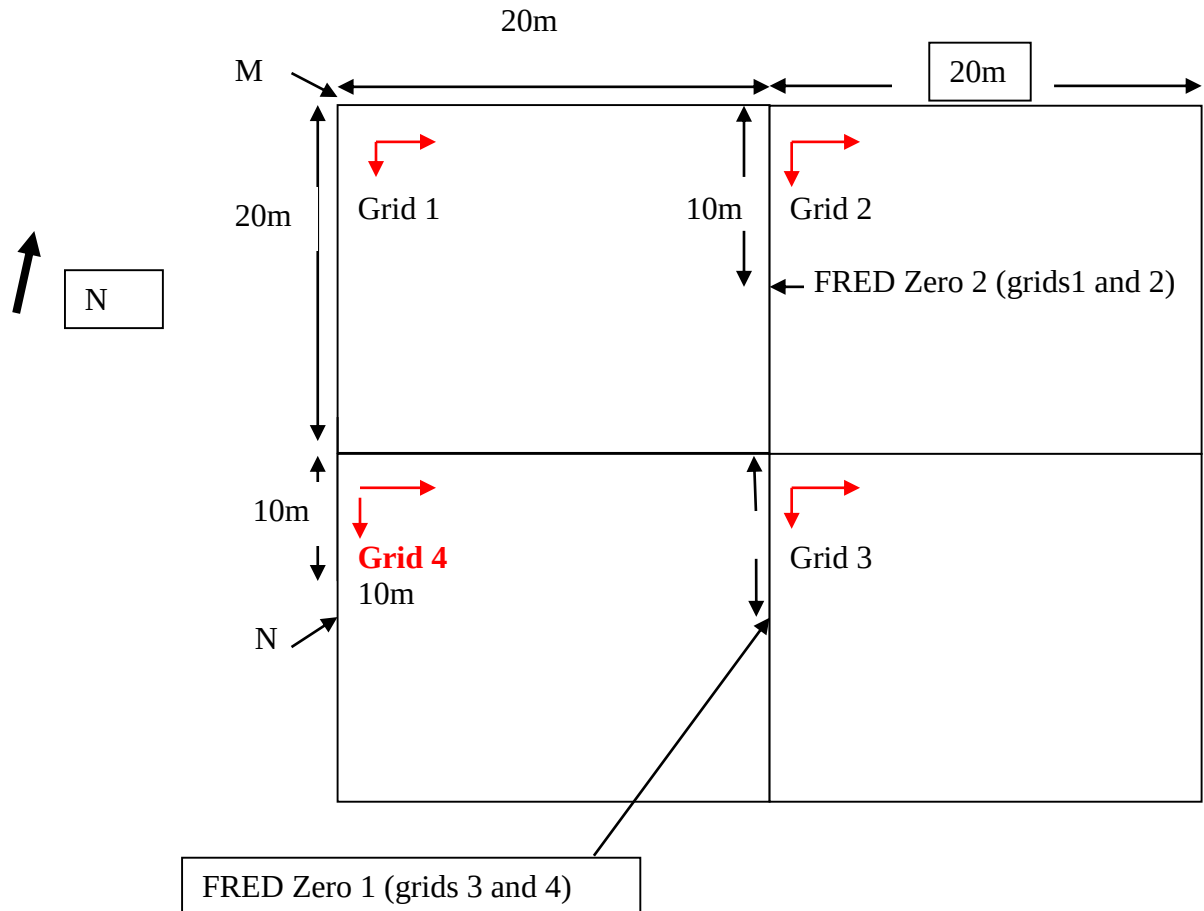
Appendix 1 D

Site Record

YCCCART Site Survey Project – Manual survey	
Survey date	18/7/13 and 1/8/13
Location	Wemberham Villa, Yatton
Site name	Grid 4 24 th June
Reference	
Type / Instrument	NIVCOMP electronic hydrostatic level
Survey area	20 x 20 m grid X axis Southerly, 21 columns@ 1 m intervals Y axis Easterly, 21columns@ 1 m intervals Z axis: height above (+), or below (-) Zero point in mm Zero point: 10 m along east edge of Grid
Data files	Raw data: Paper copy in Manual Folder Scanned copy in Wemberham Grid 4 24 th June Surfer: Wem grid 4 24 th June.xls Wem grid 4 24 th June.rtf Wem grid 4 24 th June.grd Wem grid 4 24 th June.srf
Survey team and conditions	
Team	18/7/13 M Rosevink, J Burdge, J Sack, A Dimmock, G Pearson, P Cormack 2/8/13 R Cleland, D Walker, A Dimmock, J Burdge, G Pearson
Weather	18/7/13 Hot and Sunny; 1/8/13 Hot and Sunny
Additional information	
Landowner	H M & K I Stowell & Son
Tenant	-
HER ref	TBC
Site type	Open land
Description	Grass for grazing
Period	Roman
Geology	
Land use	Grazing
Comments	FRED zero 1 and 2 are at the same level (0)
Report date	25/11/13
Author	G Pearson

Plan

RM 15 survey 24 June 2013 (**Grid4**)



Data from XL file

X m	Y m	Z mm	Z m
0	0	521	0.521
0	1	516	0.516
0	2	499	0.499
0	3	483	0.483
0	4	387	0.387
0	5	261	0.261
0	6	99	0.099
0	7	-62	-0.062
0	8	-148	-0.148
0	9	-135	-0.135
0	10	-92	-0.092
0	11	32	0.032
0	12	110	0.11
0	13	130	0.13
0	14	109	0.109
0	15	96	0.096
0	16	171	0.171
0	17	79	0.079
0	18	23	0.023
0	19	40	0.04
0	20	113	0.113
1	0	561	0.561
1	1	547	0.547
1	2	558	0.558
1	3	535	0.535
1	4	488	0.488
1	5	395	0.395
1	6	277	0.277
1	7	122	0.122
1	8	-31	-0.031
1	9	-107	-0.107
1	10	-78	-0.078
1	11	12	0.012
1	12	111	0.111
1	13	128	0.128
1	14	206	0.206

1	15	178	0.178
1	16	99	0.099
1	17	49	0.049
1	18	15	0.015
1	19	66	0.066
1	20	104	0.104
2	0	606	0.606
2	1	592	0.592
2	2	594	0.594
2	3	583	0.583
2	4	541	0.541
2	5	487	0.487
2	6	385	0.385
2	7	212	0.212
2	8	40	0.04
2	9	-56	-0.056
2	10	-88	-0.088
2	11	-18	-0.018
2	12	91	0.091
2	13	149	0.149
2	14	235	0.235
2	15	199	0.199
2	16	104	0.104
2	17	84	0.084
2	18	50	0.05
2	19	63	0.063
2	20	108	0.108
3	0	630	0.63
3	1	622	0.622
3	2	608	0.608
3	3	613	0.613
3	4	597	0.597
3	5	534	0.534
3	6	408	0.408
3	7	261	0.261
3	8	97	0.097
3	9	-26	-0.026
3	10	-80	-0.08
3	11	-45	-0.045
3	12	58	0.058
3	13	142	0.142
3	14	194	0.194
3	15	255	0.255

3	16	165	0.165
3	17	142	0.142
3	18	126	0.126
3	19	166	0.166
3	20	131	0.131
4	0	657	0.657
4	1	639	0.639
4	2	626	0.626
4	3	629	0.629
4	4	592	0.592
4	5	488	0.488
4	6	357	0.357
4	7	164	0.164
4	8	29	0.029
4	9	-6	-0.006
4	10	-62	-0.062
4	11	-70	-0.07
4	12	-10	-0.01
4	13	86	0.086
4	14	162	0.162
4	15	229	0.229
4	16	208	0.208
4	17	198	0.198
4	18	202	0.202
4	19	189	0.189
4	20	94	0.094
5	0	659	0.659
5	1	654	0.654
5	2	621	0.621
5	3	593	0.593
5	4	485	0.485
5	5	232	0.232
5	6	114	0.114
5	7	-36	-0.036
5	8	-50	-0.05
5	9	-52	-0.052
5	10	-102	-0.102
5	11	-118	-0.118
5	12	-85	-0.085
5	13	-18	-0.018
5	14	65	0.065
5	15	182	0.182
5	16	240	0.24

5	17	232	0.232
5	18	197	0.197
5	19	111	0.111
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6	2	627	0.627
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6	4	332	0.332
6	5	112	0.112
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6	8	133	0.133
6	9	-148	-0.148
6	10	-138	-0.138
6	11	-122	-0.122
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6	13	-86	-0.086
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7	5	78	0.078
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7	8	-190	-0.19
7	9	-163	-0.163
7	10	-126	-0.126
7	11	-104	-0.104
7	12	-134	-0.134
7	13	-111	-0.111
7	14	-93	-0.093
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7	16	111	0.111
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8	4	516	0.516
8	5	223	0.223
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8	7	-150	-0.15
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8	9	-116	-0.116
8	10	-71	-0.071
8	11	-55	-0.055
8	12	-86	-0.086
8	13	-75	-0.075
8	14	-58	-0.058
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8	18	188	0.188
8	19	192	0.192
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9	5	473	0.473
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9	9	-74	-0.074
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18	8	647	0.647
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18	20	86	0.086
19	0	708	0.708
19	1	682	0.682
19	2	665	0.665
19	3	660	0.66
19	4	648	0.648
19	5	652	0.652
19	6	648	0.648
19	7	648	0.648
19	8	633	0.633
19	9	642	0.642
19	10	640	0.64
19	11	638	0.638
19	12	582	0.582
19	13	497	0.497
19	14	383	0.383
19	15	179	0.179
19	16	-33	-0.033
19	17	-41	-0.041
19	18	15	0.015
19	19	121	0.121
19	20	200	0.2
20	0	710	0.71
20	1	690	0.69
20	2	672	0.672

20	3	659	0.659
20	4	645	0.645
20	5	629	0.629
20	6	621	0.621
20	7	630	0.63
20	8	619	0.619
20	9	625	0.625
20	10	626	0.626
20	11	617	0.617
20	12	620	0.62
20	13	581	0.581
20	14	517	0.517
20	15	412	0.412
20	16	262	0.262
20	17	104	0.104
20	18	143	0.143
20	19	205	0.205
20	20	278	0.278

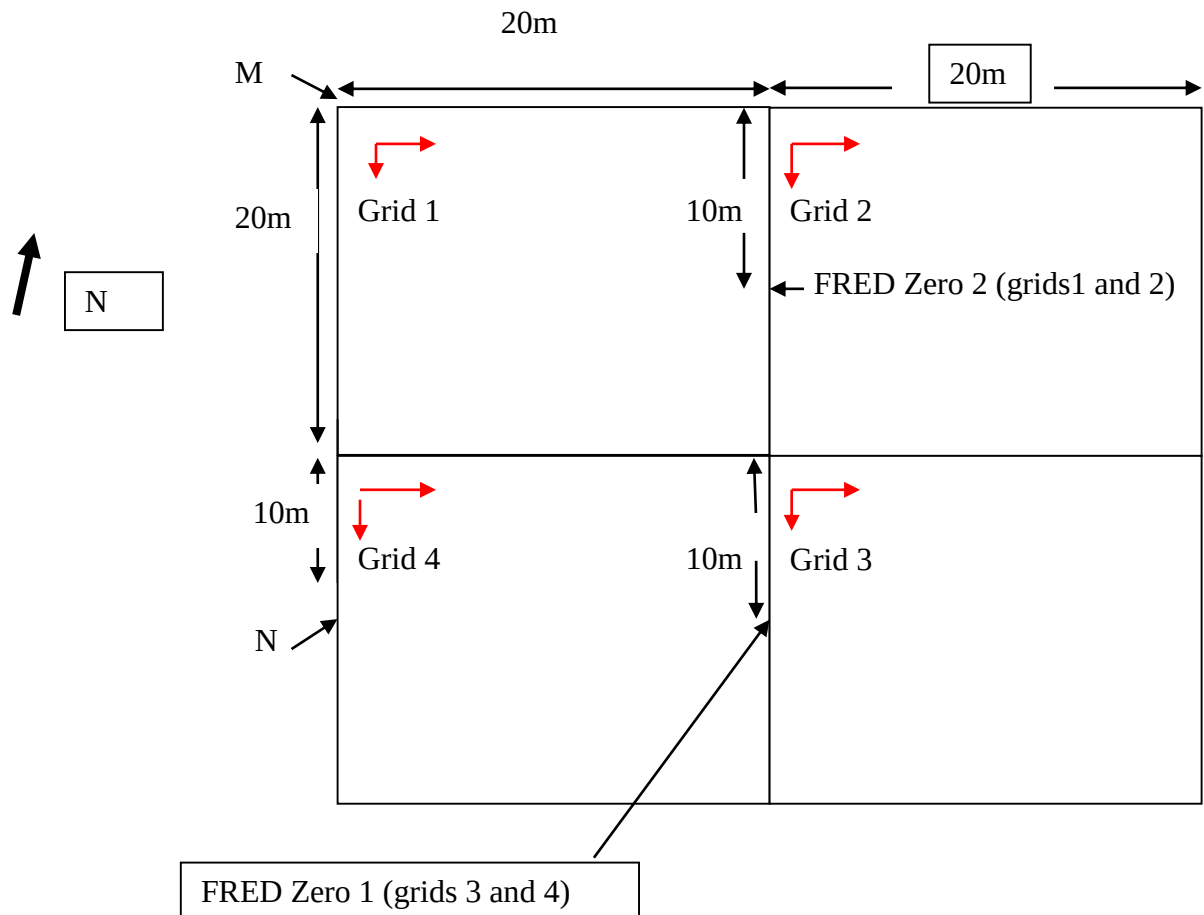
Appendix 1 E

Site Record

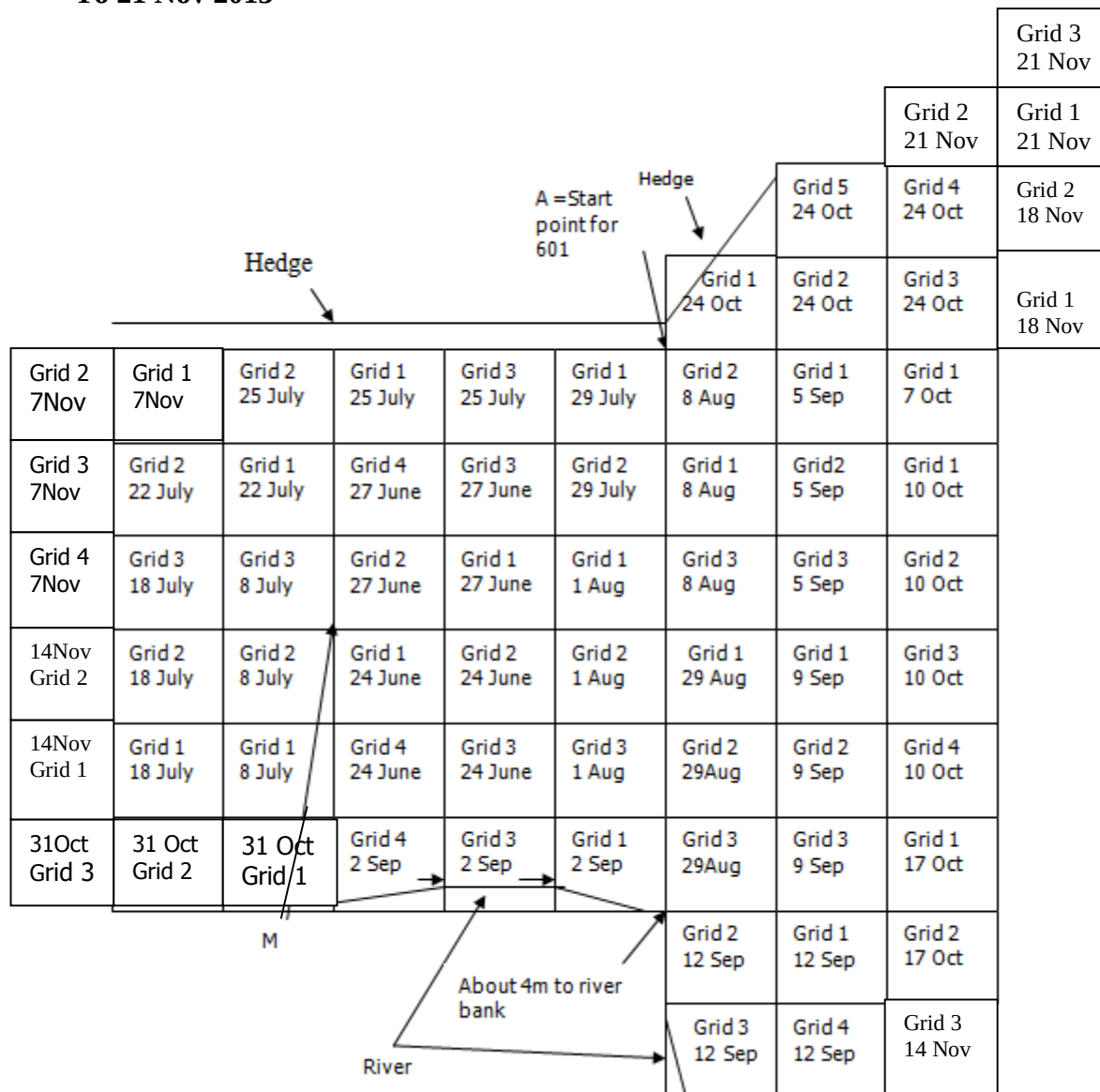
YCCCART Site Survey Project – Manual survey	
Survey date	18/7 – 24 /10/13
Location	Wemberham Villa, Yatton
Site name	Grids 1- 4, 24 th June
Reference	
Type / Instrument	NIVCOMP electronic hydrostatic level
Survey area	40 x 40 m grid X axis Southerly, 41 columns@ 1 m intervals Y axis Easterly, 41columns@ 1 m intervals Z axis: height above (+), or below (-) Zero point in mm Zero points: See Grids 1-4 and Plan
Data files	Raw data: Paper copy in Manual Folder Scanned copy in Wemberham Grids 1- 4, 24 th June Surfer: Wem grids 1- 4 24 th June.xls Wem grids 1- 4 24 th June.rtf Wem grids 1- 4 24 th June.grd Wem grids 1- 4 24 th June.srf
Survey team and conditions	
Team	See individual grids 1-4
Weather	See individual grids 1-4
Additional information	
Landowner	H M & K I Stowell & Son
Tenant	-
HER ref	TBC
Site type	Open land
Description	Grass for grazing
Period	Roman
Geology	
Land use	Grazing
Comments	FRED zero 1 and 2 are at the same level (0)
Report date	21-10-14; Compiled from raw data
Author	G Pearson

Plan

RM 15 survey 24 June 2013 (**Grids 1-4**)

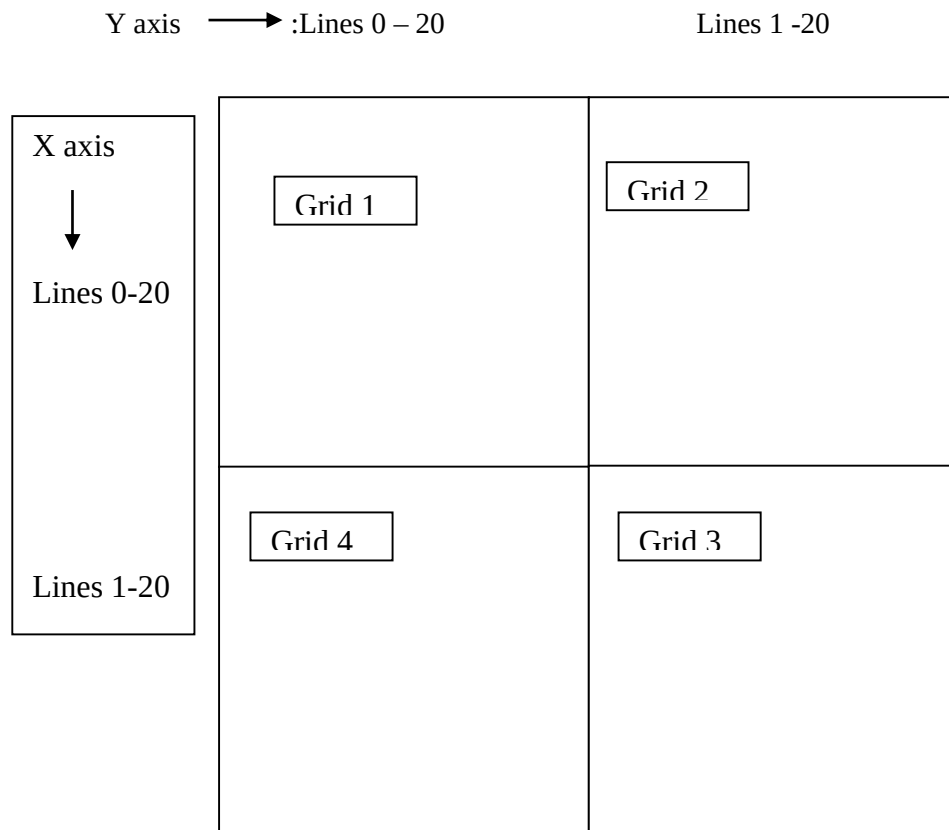


To 21 Nov 2013



Data from XL file

(See layout of grids in Plan (Above))



X - 0-20 = grid 1 +2 West - east; 21 -40 = grid 4 +3 West – east, lines 1- 20

Y- 0-20 = grid 1 +4 North to south; 21-40 = grid 2+3 North to south, lines 1-20

Grids 1 -2, highlighted yellow; grids 3-4 highlighted green

X m	Y m	Z mm
0	0	153
0	1	145
0	2	148
0	3	138
0	4	122
0	5	201
0	6	195
0	7	194
0	8	200
0	9	202
0	10	199
0	11	221

0	12	248
0	13	259
0	14	286
0	15	330
0	16	255
0	17	203
0	18	208
0	19	214
0	20	248
0	21	239
0	22	426
0	23	467
0	24	466
0	25	462
0	26	496
0	27	517
0	28	558
0	29	596
0	30	600
0	31	609
0	32	613
0	33	606
0	34	558
0	35	468
0	36	371
0	37	394
0	38	496
0	39	599
0	40	622
1	0	211
1	1	191
1	2	212
1	3	188
1	4	197
1	5	227
1	6	211
1	7	201
1	8	210
1	9	228
1	10	213
1	11	241
1	12	220
1	13	233
1	14	235
1	15	245
1	16	266

1	17	241
1	18	284
1	19	357
1	20	410
1	21	433
1	22	483
1	23	497
1	24	497
1	25	513
1	26	537
1	27	544
1	28	562
1	29	608
1	30	612
1	31	616
1	32	633
1	33	622
1	34	570
1	35	468
1	36	436
1	37	467
1	38	539
1	39	664
1	40	763
2	0	240
2	1	229
2	2	219
2	3	193
2	4	182
2	5	220
2	6	209
2	7	182
2	8	188
2	9	195
2	10	193
2	11	209
2	12	213
2	13	221
2	14	230
2	15	254
2	16	284
2	17	304
2	18	352
2	19	414
2	20	465
2	21	480

2	22	492
2	23	505
2	24	514
2	25	515
2	26	533
2	27	532
2	28	545
2	29	562
2	30	549
2	31	537
2	32	580
2	33	574
2	34	506
2	35	486
2	36	539
2	37	624
2	38	749
2	39	843
2	40	910
3	0	264
3	1	233
3	2	229
3	3	214
3	4	178
3	5	207
3	6	184
3	7	144
3	8	133
3	9	121
3	10	134
3	11	153
3	12	193
3	13	217
3	14	245
3	15	280
3	16	298
3	17	318
3	18	335
3	19	370
3	20	434
3	21	445
3	22	460
3	23	449
3	24	467
3	25	459
3	26	467

3	27	463
3	28	475
3	29	474
3	30	465
3	31	488
3	32	497
3	33	486
3	34	480
3	35	541
3	36	721
3	37	835
3	38	896
3	39	945
3	40	953
4	0	299
4	1	266
4	2	240
4	3	231
4	4	186
4	5	195
4	6	169
4	7	129
4	8	86
4	9	113
4	10	149
4	11	199
4	12	235
4	13	288
4	14	344
4	15	363
4	16	372
4	17	359
4	18	318
4	19	328
4	20	372
4	21	375
4	22	386
4	23	389
4	24	486
4	25	394
4	26	387
4	27	386
4	28	396
4	29	418
4	30	429
4	31	435

4	32	418
4	33	447
4	34	467
4	35	551
4	36	744
4	37	874
4	38	937
4	39	967
4	40	984
5	0	344
5	1	295
5	2	246
5	3	225
5	4	174
5	5	181
5	6	195
5	7	157
5	8	158
5	9	138
5	10	168
5	11	190
5	12	217
5	13	296
5	14	356
5	15	378
5	16	371
5	17	328
5	18	306
5	19	298
5	20	300
5	21	317
5	22	332
5	23	353
5	24	339
5	25	329
5	26	338
5	27	324
5	28	336
5	29	385
5	30	396
5	31	393
5	32	393
5	33	417
5	34	439
5	35	575
5	36	737

5	37	879
5	38	905
5	39	922
5	40	932
6	0	355
6	1	292
6	2	261
6	3	241
6	4	170
6	5	166
6	6	216
6	7	223
6	8	184
6	9	163
6	10	136
6	11	156
6	12	178
6	13	225
6	14	280
6	15	283
6	16	287
6	17	255
6	18	252
6	19	236
6	20	249
6	21	228
6	22	250
6	23	261
6	24	277
6	25	282
6	26	305
6	27	316
6	28	325
6	29	376
6	30	394
6	31	398
6	32	416
6	33	433
6	34	482
6	35	562
6	36	674
6	37	771
6	38	845
6	39	880
6	40	881
7	0	302

7	1	238
7	2	210
7	3	193
7	4	126
7	5	100
7	6	131
7	7	169
7	8	84
7	9	88
7	10	-42
7	11	-27
7	12	50
7	13	95
7	14	108
7	15	90
7	16	56
7	17	78
7	18	130
7	19	128
7	20	113
7	21	92
7	22	121
7	23	176
7	24	198
7	25	229
7	26	272
7	27	325
7	28	365
7	29	423
7	30	444
7	31	493
7	32	491
7	33	519
7	34	556
7	35	588
7	36	627
7	37	677
7	38	755
7	39	785
7	40	794
8	0	202
8	1	170
8	2	117
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8	5	14

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8	12	-235
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8	17	-99
8	18	-64
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8	20	-10
8	21	1
8	22	47
8	23	110
8	24	154
8	25	230
8	26	293
8	27	383
8	28	472
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8	31	570
8	32	566
8	33	602
8	34	614
8	35	626
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9	38	672
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10	15	-168

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11	5	-116
11	6	-241
11	7	-336
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13	24	-83
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16	36	744
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18	31	225
18	32	410
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19	39	778
19	40	809
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20	4	387
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22	35	460
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22	38	904
22	39	886
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23	1	622
23	2	608
23	3	613
23	4	597
23	5	534
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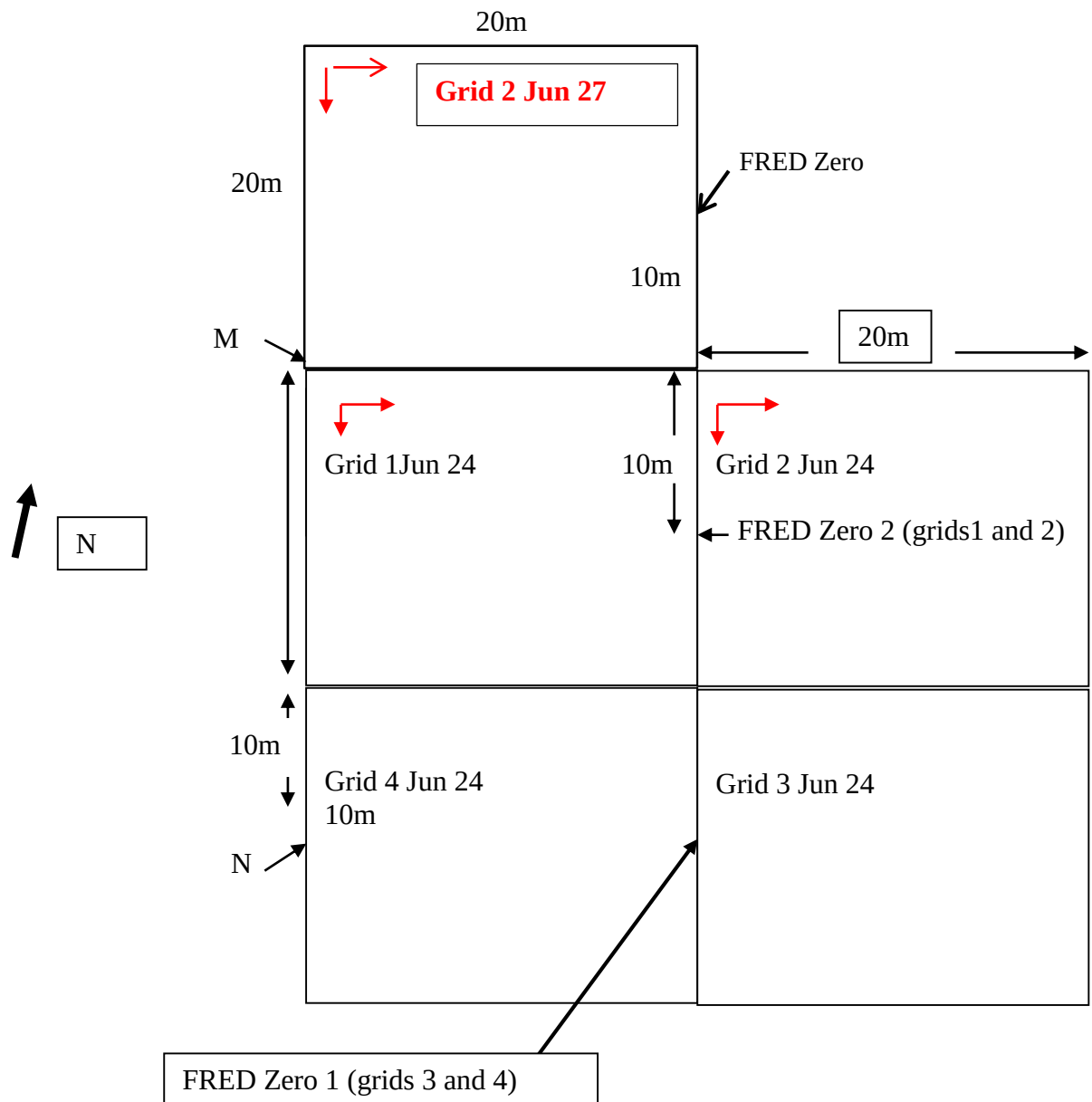
Appendix 2

Site Record

YCCCART Site Survey Project – Manual survey	
Survey date	14/11/13
Location	Wemberham Villa, Yatton
Site name	Grid 2 June 27
Reference	
Type / Instrument	NIVCOMP electronic hydrostatic level
Survey area	20 x 20 m grid X axis northerly, 21 columns@ 1 m intervals Y axis Easterly, 21columns@ 1 m intervals Z axis: height above (+), or below (-) Zero point in mm Zero point: 10 m along east edge of Grid
Data files	Raw data: Paper copy in Manual Folder Scanned copy in Wemberham Grid 2 June 27 Surfer: Wem grid 2 June 27.xls Wem grid 2 June 27.rtf Wem grid 2 June 27.grd
Survey team and conditions	
Team	G Pearson, R Ferdinando, B Wills, A Langley, I Morton
Weather	Cloudy, bright
Additional information	
Landowner	H M & K I Stowell & Son
Tenant	-
HER ref	TBC
Site type	Open land
Description	Grass for grazing
Period	Roman
Geology	-
Land use	Grazing
Comments	
Report date	31-10-14; Compiled from raw data
Author	G Pearson

Plan

(Grid 2 Jun 27)



(FRED zero 1 and FRED zero 2 are at the same level, viz., 0; FRED zero 257mm above Fred zero 2)

Electronic data

X m	Y m	Z mm
0	0	-69
0	1	-235
0	2	-469
0	3	-549
0	4	-472
0	5	-399
0	6	-322
0	7	-289
0	8	-291
0	9	-314
0	10	-336
0	11	-335
0	12	-328
0	13	-330
0	14	-321
0	15	-333
0	16	-332
0	17	-316
0	18	-304
0	19	-277
0	20	-266
1	0	-65
1	1	-204
1	2	-454
1	3	-517
1	4	-345
1	5	-213
1	6	-159
1	7	-160
1	8	-122
1	9	-92
1	10	-103
1	11	-120
1	12	-112
1	13	-99
1	14	-111
1	15	-109
1	16	-134
1	17	-129
1	18	-130
1	19	-101
1	20	-95
2	0	-61
2	1	-201

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2	3	-498
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2	6	-68
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14	1	-145
14	2	-347
14	3	-462
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14	5	-144
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14	7	-51
14	8	-57
14	9	-64
14	10	-69
14	11	-99
14	12	-123
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14	14	-147
14	15	-150
14	16	-98
14	17	-51
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14	19	-69
14	20	-80
15	0	-75
15	1	-194
15	2	-353
15	3	-471
15	4	-325
15	5	-212
15	6	-173
15	7	-182
15	8	-178
15	9	-207
15	10	-222
15	11	-225
15	12	-220
15	13	-205
15	14	-178
15	15	-147
15	16	-90

15	17	-67
15	18	-68
15	19	-68
15	20	-88
16	0	-196
16	1	-282
16	2	-403
16	3	-489
16	4	-429
16	5	-358
16	6	-318
16	7	-312
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16	9	-257
16	10	-229
16	11	-212
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16	14	-92
16	15	-83
16	16	-79
16	17	-78
16	18	-88
16	19	-77
16	20	-63
17	0	-287
17	1	-329
17	2	-375
17	3	-421
17	4	-376
17	5	-235
17	6	-116
17	7	-92
17	8	-106
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17	10	-80
17	11	-80
17	12	-74
17	13	-20
17	14	10
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17	19	-90
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18	4	-279
18	5	-128
18	6	-81
18	7	-47
18	8	-52
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18	16	-42
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18	19	-75
18	20	-40
19	0	130
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19	4	-116
19	5	-45
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19	7	-35
19	8	-45
19	9	-53
19	10	-15
19	11	-23
19	12	16
19	13	33
19	14	87
19	15	95
19	16	0
19	17	-38
19	18	-45
19	19	-12
19	20	18
20	0	-76
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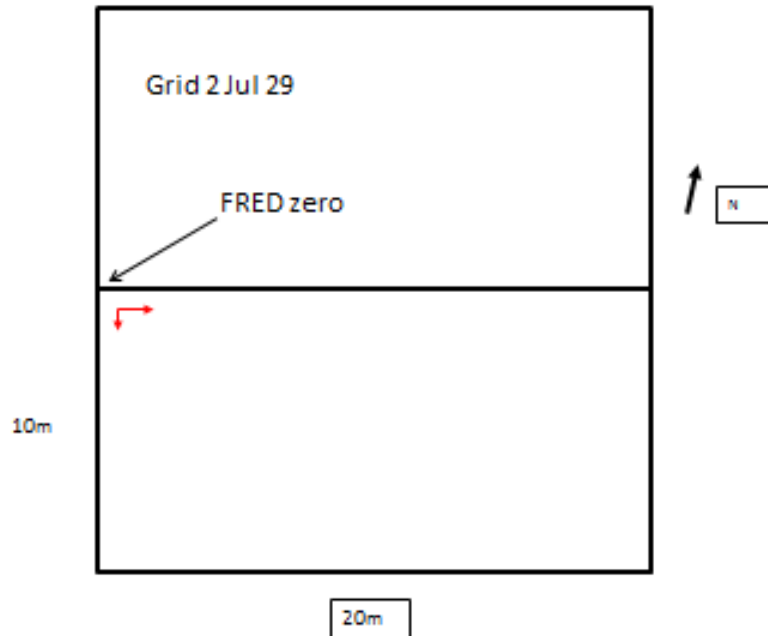
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20	11	-5
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20	13	7
20	14	5
20	15	27
20	16	7
20	17	-6
20	18	63
20	19	119
20	20	178

Appendix 3

Site Record

YCCCART Site Survey Project – Manual survey	
Survey date	
Location	Wemberham Villa, Yatton
Site name	Grid 2 Jul 29
Reference	
Type / Instrument	NIVCOMP electronic hydrostatic level
Survey area	20 x 10 m grid X axis Southerly, 11 columns@ 1 m intervals Y axis Easterly, 21 columns@ 1 m intervals Z axis: height above (+), or below (-) Zero point in mm Zero point (FRED zero2): At NW corner of grid.
Data files	Raw data: Paper copy in Manual Folder Scanned copy in Wemberham Grid 2 July 29 Surfer: Wem grid 2 Jul 29.xls Wem grid 2 Jul 29.rtf Wem grid 2 Jul 29.grd
Survey team and conditions	
Team	B Wills, M Rosevink, I Morton, A Dimmock, R Cleland
Weather	Overcast, cold
Additional information	
Landowner	H M & K I Stowell & Son
Tenant	-
HER ref	TBC
Site type	Open land
Description	Grass for grazing
Period	Roman
Geology	
Land use	Grazing
Comments	
Report date	30/10/14; compiled from raw data
Author	G Pearson

Plan



Electronic Data

From EXCEL file

Xm	Ym	Zmm
0	0	16
0	1	70
0	2	153
0	3	204
0	4	240
0	5	250
0	6	229
0	7	241
0	8	246
0	9	259
0	10	290
0	11	303
0	12	298
0	13	292
0	14	295
0	15	285
0	16	299
0	17	303

0	18	291
0	19	284
0	20	265
1	0	76
1	1	150
1	2	202
1	3	251
1	4	253
1	5	265
1	6	249
1	7	235
1	8	246
1	9	262
1	10	274
1	11	285
1	12	290
1	13	295
1	14	302
1	15	302
1	16	296
1	17	307
1	18	295
1	19	283
1	20	251
2	0	156
2	1	229
2	2	256
2	3	293
2	4	288
2	5	274
2	6	272
2	7	261
2	8	251
2	9	252
	10	266
2	11	272
2	12	292
2	13	303
2	14	307
2	15	302
2	16	328
2	17	309
2	18	297
2	19	282
2	20	267
3	0	230
3	1	291
3	2	318

3	3	308
3	4	322
3	5	312
3	6	302
3	7	286
3	8	275
3	9	262
3	10	263
3	11	269
3	12	262
3	13	296
3	14	300
3	15	292
3	16	295
3	17	283
3	18	268
3	19	258
3	20	255
4	0	322
4	1	352
4	2	364
4	3	359
4	4	322
4	5	330
4	6	313
4	7	302
4	8	296
4	9	281
4	10	259
4	11	247
4	12	259
4	13	284
4	14	280
4	15	272
4	16	265
4	17	278
4	18	251
4	19	237
4	20	246
5	0	385
5	1	396
5	2	376
5	3	350
5	4	336
5	5	320
5	6	325
5	7	318
5	8	305

5	9	283
5	10	253
5	11	237
5	12	228
5	13	244
5	14	261
5	15	233
5	16	245
5	17	240
5	18	218
5	19	216
5	20	182
6	0	394
6	1	417
6	2	395
6	3	360
6	4	336
6	5	309
6	6	305
6	7	303
6	8	301
6	9	265
6	10	250
6	11	220
6	12	201
6	13	189
6	14	188
6	15	188
6	16	164
6	17	154
6	18	122
6	19	63
6	20	8
7	0	430
7	1	444
7	2	412
7	3	372
7	4	335
7	5	318
7	6	319
7	7	308
7	8	285
7	9	260
7	10	241
7	11	202
7	12	158
7	13	127
7	14	87

7	15	34
7	16	-13
7	17	-16
7	18	-10
7	19	21
7	20	89
8	0	402
8	1	441
8	2	403
8	3	356
8	4	318
8	5	302
8	6	284
8	7	262
8	8	256
8	9	220
8	10	177
8	11	118
8	12	37
8	13	-20
8	14	-40
8	15	-14
8	16	32
8	17	127
8	18	190
8	19	215
8	20	241
9	0	368
9	1	420
9	2	406
9	3	333
9	4	279
9	5	220
9	6	180
9	7	172
9	8	109
9	9	57
9	10	27
9	11	5
9	12	41
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9	14	74
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9	16	163
9	17	209
9	18	255
9	19	289
9	20	271

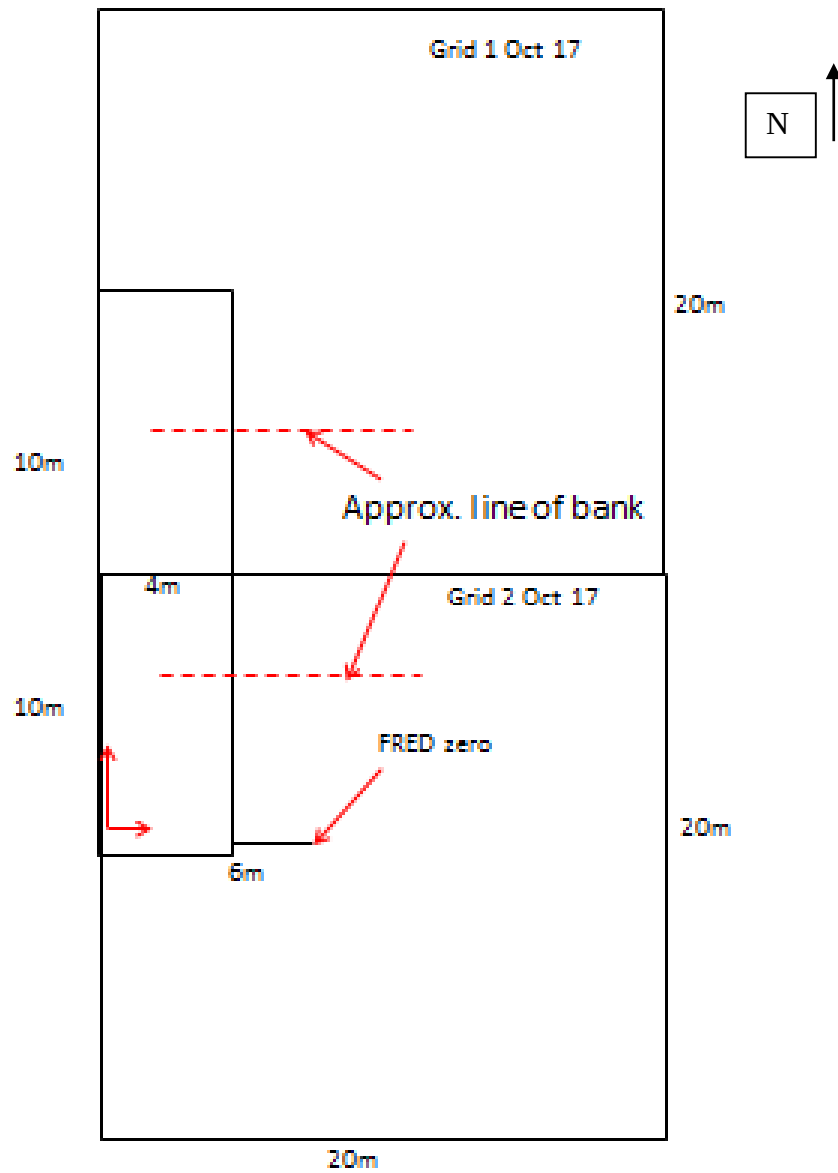
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10	3	322
10	4	241
10	5	148
10	6	65
10	7	35
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10	9	103
10	10	160
10	11	199
10	12	219
10	13	209
10	14	214
10	15	179
10	16	194
10	17	235
10	18	255
10	19	270
10	20	273

Appendix 4

Site Record

YCCCART Site Survey Project – Manual survey	
Survey date	28/11/13
Location	Wemberham Villa, Yatton
Site name	Grids 1 and 2 Oct 17
Reference	
Type / Instrument	NIVCOMP electronic hydrostatic level
Survey area	20 x 4 m grid X axis, Easterly, 4 columns@ 2 m intervals Y axis, Northerly, 21 columns@ 1 m intervals Z axis: height above (+), or below (-) Zero point in mm Zero point: 6 m along south - east edge of grid
Data files	Raw data: Paper copy in Manual Folder Scanned copy in Wemberham Grids 1 and 2 17 th Oct, Bank profile Surfer: Wem grids 1 and 2 17 th Oct -bank.xls Wem grids 1 and 2 17 th Oct -bank.rtf Wem grids 1 and 2 17 th Oct -bank.grd
Survey team and conditions	
Team	M Rosevink, G Pearson, A Langley, B Wills, J Sweeting
Weather	Dull, mild
Additional information	
Landowner	H M & K I Stowell & Son
Tenant	-
HER ref	TBC
Site type	Open land
Description	Grass for grazing
Period	Roman
Geology	
Land use	Grazing
Comments	The profile of the bank was measured in the middle 20m of the combined grids, at their western edge
Report date	29/11/13
Author	G Pearson

Plan



Data from XL file

X m	Y m	Z mm
0	0	-19
0	1	-5
0	2	4
0	3	18
0	4	-28
0	5	-74
0	6	-162
0	7	-248
0	8	-23
0	9	313
0	10	472
0	11	372
0	12	-79
0	13	-199
0	14	-489
0	15	-505
0	16	-395
0	17	-377
0	18	-364
0	19	-366
0	20	-355
2	0	-6
2	1	-20
2	2	2
2	3	11
2	4	-45
2	5	-82
2	6	-230
2	7	-211
2	8	93
2	9	405
2	10	438
2	11	270
2	12	-19
2	13	-335
2	14	-576
2	15	-473
2	16	-434
2	17	-419
2	18	-428
2	19	-461
2	20	-500
4	0	-29
4	1	-12

4	2	-5
4	3	22
4	4	-51
4	5	-97
4	6	-242
4	7	-134
4	8	235
4	9	431
4	10	433
4	11	220
4	12	-152
4	13	-450
4	14	-581
4	15	-498
4	16	-445
4	17	-447
4	18	-456
4	19	-440
4	20	-433