

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 1 - 10

C3.3i continued Ponds 1 - 10

[Back to Original section](#)

Pond ref	Description
1	Access permission denied. From desk-based study appears to be a small woodland pond.
49	Large neatly maintained pond with short jetty in amenity grassland.
5	Farmland pond spilling across track between two fields, some willows along banks.
5a	Small wet depression at base of fallen tree.
6	Pond in margin between field and road with some trees on banks.
6a	Pond on edge of garden bordering roadside, steep banks covered in scrub.
8	Large lined pond created in last few years, farm geese present and stocked with carp.
9	Small farmland pond that collects rain runoff from adjacent field.
10	Fishing lake.
11	Pond on edge of pasture field next to hedgerow.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
1	150	No	Access permission denied
49	240	Yes	
5	60	Yes	
5a	20	No	Completely unsuitable for GCN
6	80	Yes	
6a	170	Yes	
8	10	Yes	
9	60	Yes	
10	140	No	Completely unsuitable for GCN
11	190	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	08/05/2018	26/02/2018	26/02/2018	24/04/2018
Pond ref	1	49	5	5a
S11 - Location	1	1	1	1
S12 - Pond area	0.925	0.6	0.05	1
S13 - Pond drying	0.9	1	0.1	0.9
S14 - Water quality	1	0.67	0.67	0.67
S14 - Shade	1	0.8	0.2	0.8
S16 - Fowl	0.67	0.67	1	0.67
S17 - Fish	0.3	1	1	0.7
S18 - Ponds	0.85	1	0.85	0.85
S19 - Terr'l habitat	1	1	1	1
S110 - Macrophytes	0.45	0.35	0.3	0.45
HSI	0.76	0.77	0.42	0.78

Date HSI assessmt	01/05/2018	30/04/2018	30/04/2018	13/06/2018	30/04/2018
Pond ref	6a	8	9	10	11
S11 - Location	1	1	1	1	1
S12 - Pond area	0.6	0.91	0.05	0.8	0.1
S13 - Pond drying	0.9	0.9	1	0.9	1
S14 - Water quality	0.67	0.67	0.67	1	0.67

SI4 - Shade	1	1	1	1	1
SI6 - Fowl	0.67	0.67	0.67	0.01	1
SI7 - Fish	0.7	0.3	0.7	0.01	1
SI8 - Ponds	0.89	0.72	0.72	0.9	1
SI9 - Terr'l habitat	1	0.67	0.67	1	1
SI10 - Macrophytes	0.4	0.35	0.4	0.4	0.9
HSI	0.76	0.67	0.56	0.35	0.76

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
1	N/A	N/A
49	Emily Wallace	2016-23525-CLS-CLS
5	Ciaran Meehan	2017-27439-CLS-CLS
5a	Emily Wallace	2016-23525-CLS-CLS
6	Suzanne Jenkins	2017-28717-CLS-CLS
6a	Ciaran Meehan	2017-27439-CLS-CLS
8	Ciaran Meehan	2017-27439-CLS-CLS
9	Ciaran Meehan	2017-27439-CLS-CLS
10	Emily Wallace	2016-23525-CLS-CLS
11	Ciaran Meehan	2017-27439-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
1	N/A	N/A
49	08/05/2018	Absent
5	17/04/2018	Absent
5a	N/A	N/A
6	24/04/2018	Absent
6a	01/05/2018	Absent
8	30/04/2018	Absent
9	30/04/2018	Absent
10	N/A	N/A
11	30/04/2018	Present

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
Receptor Area A	SU54011864		0m
Receptor Area B	SU73053779		0m
Receptor Area C	SU73683876		0m
Receptor Area D	SU74984198		0m

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
Receptor Area A	Mr M R Dunford	No
Receptor Area B	Mr T G Brock	No
Receptor Area C	Neatham Farms Ltd / Hartley Park Farms Ltd	No
Receptor Area D	Mr T Porter	No

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
Receptor Area A	Scrubby margin between two arable fields connecting to the end of a hedgerow with mature trees	0.05	Arable
Receptor Area B	Mature hedgerow with scattered trees and scrub either side, connects to small wooded area around Pond 39	0.1	Pasture
Receptor Area C	Small section of a hedgerow with scattered trees and a wider margin of scrub either side before arable fields	0.01	Arable
Receptor Area D	Section of hedgerow, scrub and scattered trees between two fields that extends around the outside of Pond 50	0.6	Arable

Due to the iterative design of this project throughout 2018, ponds have been 'scoped in/out' of the assessment at various times as the position of the Order Limits has developed. As such, the pond references do not always follow in numerical order. **Please refer to this Index sheet and the available filters if looking for information relating to a specific pond or receptor site.**

Sheet	Pond/ Receptor Site
Sheet A	Pond 1
Sheet A	Pond 49
Sheet A	Pond 5
Sheet A	Pond 5a
Sheet A	Pond 6
Sheet A	Pond 6a
Sheet A	Pond 8
Sheet A	Pond 9
Sheet A	Pond 10
Sheet A	Pond 11
Sheet A	Receptor Area A
Sheet A	Receptor Area B
Sheet A	Receptor Area C
Sheet A	Receptor Area D
Sheet B	Pond 11a
Sheet B	Pond 12
Sheet B	Pond 12a
Sheet B	Pond 12b
Sheet B	Pond 13
Sheet B	Pond 14
Sheet B	Pond 15
Sheet B	Pond 16
Sheet B	Pond 17
Sheet B	Pond 18
Sheet B	Receptor Area E
Sheet B	Receptor Area F
Sheet B	Receptor Area G
Sheet B	Receptor Area H
Sheet C	Pond 19
Sheet C	Pond 20
Sheet C	Pond 21
Sheet C	Pond 22
Sheet C	Pond 22a
Sheet C	Pond 23
Sheet C	Pond 24
Sheet C	Pond 25
Sheet C	Pond 26
Sheet C	Pond 27
Sheet C	Receptor Area I
Sheet C	Receptor Area J
Sheet C	Receptor Area K
Sheet C	Receptor Area L
Sheet D	Pond 27a
Sheet D	Pond 27b
Sheet D	Pond 27c
Sheet D	Pond 28
Sheet D	Pond 32
Sheet D	Pond 33
Sheet D	Pond 37
Sheet D	Pond 38
Sheet D	Pond 39
Sheet D	Pond 39a
Sheet D	Receptor Area M
Sheet D	Receptor Area N
Sheet D	Receptor Area O
Sheet E	Pond 39b
Sheet E	Pond 41
Sheet E	Pond 42
Sheet E	Pond 43
Sheet E	Pond 44
Sheet E	Pond 50
Sheet E	Pond 51
Sheet E	Pond 52
Sheet E	Pond 54
Sheet E	Pond 55
Sheet F	Pond 56
Sheet F	Pond 57
Sheet F	Pond 57a
Sheet F	Pond 59
Sheet F	Pond 61
Sheet F	Pond 63
Sheet F	Pond 64
Sheet F	Pond 65
Sheet F	Pond 65a
Sheet F	Pond 65b
Sheet G	Pond 69
Sheet G	Pond 70
Sheet G	Pond 71

Sheet G	Pond 71a
Sheet G	Pond 74
Sheet G	Pond 75
Sheet G	Pond 76
Sheet G	Pond 77
Sheet G	Pond 78
Sheet G	Pond 78a
Sheet H	Pond 78b
Sheet H	Pond 78c
Sheet H	Pond 78d
Sheet H	Pond 80
Sheet H	Pond 81
Sheet H	Pond 82
Sheet H	Pond 83
Sheet H	Pond 84
Sheet H	Pond 85
Sheet H	Pond 86
Sheet I	Pond 87b
Sheet I	Pond 87c
Sheet I	Pond 89
Sheet I	Pond 90
Sheet I	Pond 92
Sheet I	Pond 93
Sheet I	Pond 93a
Sheet I	Pond 93b
Sheet I	Pond 100a
Sheet I	Pond 104
Sheet J	Pond 104a
Sheet J	Pond 104b
Sheet J	Pond 105
Sheet J	Pond 106
Sheet J	Pond 107
Sheet J	Pond 108
Sheet J	Pond 109
Sheet J	Pond 110
Sheet J	Pond 111
Sheet J	Pond 112
Sheet K	Pond 113
Sheet K	Pond 114
Sheet K	Pond 115
Sheet K	Pond 115a
Sheet K	Pond 118
Sheet K	Pond 118a
Sheet K	Pond 124a
Sheet K	Pond 125
Sheet K	Pond 126
Sheet K	Pond 127
Sheet L	Pond 127a
Sheet L	Pond 128
Sheet L	Pond 129
Sheet L	Pond 129a
Sheet L	Pond 130
Sheet L	Pond 130a
Sheet L	Pond 130b
Sheet L	Pond 130c
Sheet L	Pond 134
Sheet L	Pond 136
Sheet M	Pond 141
Sheet M	Pond 142a
Sheet M	Pond 68
Sheet M	Pond 73
Sheet M	Pond 94a
Sheet M	Pond 144
Sheet M	Pond 145
Sheet M	Pond 146
Sheet M	Pond 151
Sheet M	Pond 151a
Sheet N	Pond 151b
Sheet N	Pond 153
Sheet N	Pond 155
Sheet N	Pond 155a
Sheet N	Pond 156
Sheet N	Pond 156a
Sheet N	Pond 158
Sheet N	Pond 159
Sheet N	Pond 160
Sheet N	Pond 161
Sheet O	Pond 164
Sheet O	Pond 166
Sheet O	Pond 166a
Sheet O	Pond 167
Sheet O	Pond 168
Sheet O	Pond 169
Sheet O	Pond 94b
Sheet O	Pond 95
Sheet O	Pond 96
Sheet O	Pond 178

Sheet P	Pond 178a
Sheet P	Pond 180
Sheet P	Pond 180a
Sheet P	Pond 183
Sheet P	Pond 97
Sheet P	Pond 208a
Sheet P	Pond 190
Sheet P	Pond 191
Sheet P	Pond 191a
Sheet P	Pond 192
Sheet Q	Pond 193
Sheet Q	Pond 194
Sheet Q	Pond 194a
Sheet Q	Pond 194b
Sheet Q	Pond 194c
Sheet Q	Pond 194d
Sheet Q	Pond 195
Sheet Q	Pond 196
Sheet Q	Pond 197
Sheet Q	Pond 198
Sheet R	Pond 199
Sheet R	Pond 200
Sheet R	Pond 201
Sheet R	Pond 202
Sheet R	Pond 202a
Sheet R	Pond 203
Sheet R	Pond 204
Sheet R	Pond 204a
Sheet R	Pond 98
Sheet R	Pond 206
Sheet S	Pond 206a
Sheet S	Pond 208
Sheet S	Pond 211
Sheet S	Pond 213
Sheet S	Pond 214
Sheet S	Pond 215
Sheet S	Pond 99
Sheet S	Pond 218
Sheet S	Pond 220
Sheet S	Pond 221
Sheet T	Pond 223
Sheet T	Pond 223a
Sheet T	Pond 224
Sheet T	Pond 102
Sheet T	Pond 103
Sheet T	Pond 103a
Sheet T	Pond 103b
Sheet T	Pond 103c
Sheet T	Pond 108a
Sheet T	Pond 186
Sheet U	Pond 210
Sheet U	Pond 212
Sheet U	Pond 108b
Sheet U	Pond 108c
Sheet U	Pond 108d

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 11 - 20

C3.3i continued Ponds 11 - 20

[Back to Original section](#)

Pond ref	Description
11a	Small garden pond.
12	Dry depression that likely acts as an overflow during bad weather, has been dry for a long time.
12a	Lined and walled garden pond on edge of garden and semi-natural woodland.
12b	Shallow scrape next to access track on farmland.
13	Large, heavily maintained pond in large garden with patches of wildflowers and nearby woodland.
14	Large lined pond with fish and waterfowl in amenity grassland.
15	Large lined pond with fish and waterfowl in amenity grassland.
16	Lined pond with island in the centre, surrounded by amenity grassland and mixed woodland.
17	Access permission denied. From aerial imagery appears to be a pond situated in a thin strip of woodland.
18	Clay pond on edge of field, filled by run off from the field.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
11a	210	Yes	
12	10	No	Completely unsuitable for GCN
12a	20	Yes	
12b	5	No	Completely unsuitable for GCN
13	250	Yes	
14	160	Yes	
15	150	Yes	
16	90	Yes	
17	230	No	Access permission denied
18	10	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	30/04/2018		13/03/2018	28/02/2018	30/05/2018
Pond ref	11a	12	12a	12b	13
SI1 - Location	1		1	1	1
SI2 - Pond area	0.05		0.05	0.05	0.895
SI3 - Pond drying	0.9		0.9	0.1	0.9
SI4 - Water quality	0.67		1	0.33	0.67
SI4 - Shade	1		1	1	1
SI6 - Fowl	1		1	1	0.67
SI7 - Fish	0.3		0.7	1	0.7
SI8 - Ponds	1		0.72	0.72	0.85
SI9 - Terr'l habitat	1		1	1	1
SI10 - Macrophytes	0.5		0.8	0.3	0.4
HSI	0.58		0.67	0.45	0.78

Date HSI assessmt	11/05/2018	11/05/2018	11/05/2018		24/04/2018
Pond ref	14	15	16	17	18
SI1 - Location	1	1	1		1
SI2 - Pond area	0.865	0.895	0.9		0.865
SI3 - Pond drying	0.9	0.9	1		1

SI4 - Water quality	0.67	0.67	0.33	0.67
SI4 - Shade	1	1	1	1
SI6 - Fowl	0.01	0.1	0.67	0.67
SI7 - Fish	0.3	0.3	0.7	0.7
SI8 - Ponds	0.85	0.85	0.85	0.45
SI9 - Terr'l habitat	0.67	0.67	0.67	0.67
SI10 - Macrophytes	0.4	0.4	0.35	0.5
HSI	0.45	0.57	0.70	0.73

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
11a	Ciaran Meehan	2017-27439-CLS-CLS
12	N/A	
12a	Suzanne Jenkins	2017-28717-CLS-CLS
12b	N/A	
13	Ciaran Meehan	2017-27439-CLS-CLS
14	Suzanne Jenkins	2017-28717-CLS-CLS
15	Suzanne Jenkins	2017-28717-CLS-CLS
16	Suzanne Jenkins	2017-28717-CLS-CLS
17	N/A	
18	Suzanne Jenkins	2017-28717-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
11a	30/04/2018	Absent
12	N/A	N/A
12a	08/05/2018	Absent
12b	N/A	N/A
13	30/05/2018	Absent
14	11/05/2018	Absent
15	11/05/2018	Absent
16	11/05/2018	Absent
17	N/A	N/A
18	24/04/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
Receptor Area E	SU75594235		0m
Receptor Area F	SU75514247		0m
Receptor Area G	SU75684257		0m
Receptor Area H	SU76024301		0m

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
Receptor Area E	Froyle Park Ltd	No
Receptor Area F	Froyle Park Ltd	No
Receptor Area G	Linden Homes South East Ltd / Froyle Park Ltd	No
Receptor Area H	Froyle Park Ltd	No

E2.5 Receptor site(s): continued[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
Receptor Area E	Field margin with scrub, hedgerow and some mature trees	0.05	Arable
Receptor Area F	Field margin with scrub, hedgerow and some mature trees	0.05	Arable
Receptor Area G	Scrubby area with hedge and trees at end of a row of poplars	0.05	Pasture
Receptor Area H	Scrubby area of habitat surrounding Pond 57a	0.3	Pasture

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
19	Shallow bowl on edge of pasture field holding no water at time of survey.
20	Circular pond with a small island in corner of farmland.
21	Pond no longer exists, land being developed at time of survey.
22	Murky pond just off corner of Stapely Lane, likely formed from small-scale digging of chalk here.
22a	Small depression in woodland.
23	Pond in the corner of a field by a footpath, surrounded by fringe of trees and bramble.
24	Small circular pond at edge of planted beech and hazel woodland.
25	Steep-edged drainage pond fed by drain pipes from nearby structures.
26	Access permission denied. From aerial imagery appears to be a circular pond in corner of a farmyard.
27	Largest of four lined garden ponds fed by rainwater.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
19	160	No	Completely unsuitable for GCN
20	40	Yes	
21	60	No	Completely unsuitable for GCN
22	130	Yes	
22a	60	Yes	
23	90	Yes	
24	40	Yes	
25	140	Yes	
26	140	No	Access permission denied
27	170	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	18/04/2018	18/04/2018	18/04/2018	14/03/2018
Pond ref	19	20	21	22a
SI1 - Location	1			1
SI2 - Pond area	0.45			0.2
SI3 - Pond drying	1			0.5
SI4 - Water quality	0.67			0.33
SI4 - Shade	1			0.7
SI6 - Fowl	0.67			0.67
SI7 - Fish	0.7			0.7
SI8 - Ponds	0.1			0.75
SI9 - Terr'l habitat	1			0.67
SI10 - Macrophytes	0.4			0.35
HSI	0.60			0.68

Date HSI assessmt	18/04/2018	05/06/2018	30/05/2018	11/05/2018
Pond ref	23	24	25	26
SI1 - Location	1	1	1	1
SI2 - Pond area	0.4	0.2	0.05	0.1
SI3 - Pond drying	0.5	1	1	0.9
SI4 - Water quality	0.67	0.33	0.67	1
SI4 - Shade	0.2	0.2	1	1

SI6 - Fowl	0.67	1	1	0.67
SI7 - Fish	1	1	1	1
SI8 - Ponds	0.75	0.6	0.72	0.85
SI9 - Terr'l habitat	0.67	1	0.67	0.67
SI10 - Macrophytes	0.35	0.3	0.45	0.7
HSI	0.56	0.55	0.61	0.69

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
19	N/A	
20	Ciaran Meehan	2017-27439-CLS-CLS
21	N/A	
22	Ciaran Meehan	2017-27439-CLS-CLS
22a	Suzanne Jenkins	2017-28717-CLS-CLS
23	Ciaran Meehan	2017-27439-CLS-CLS
24	Emily Wallace	2016-23525-CLS-CLS
25	Ciaran Meehan	2017-27439-CLS-CLS
26	N/A	
27	Suzanne Jenkins	2017-28717-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
19	N/A	N/A
20	18/04/2018	Absent
21	N/A	N/A
22	18/04/2018	Absent
22a	08/05/2018	Absent
23	18/04/2018	Absent
24	05/06/2018	Absent
25	30/05/2018	Absent
26	N/A	N/A
27	11/05/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
Receptor Area I	SU80674994		0m
Receptor Area J	SU80624999		0m
Receptor Area K	SU93966174		0m
Receptor Area L	SU94206188		0m

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
Receptor Area I	Ms J M Rook / Hampshire County Council Highways	No
Receptor Area J	Ms J M Rook / Hampshire County Council Highways	No
Receptor Area K	Surrey Heath Borough Council	No
Receptor Area L	Surrey Heath Borough Council	No

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
Receptor Area I	Hedgerow/treeline along field margin	0.01	Pasture

Receptor Area J	Hedgerow/treeline along field margin	0.05	Pasture
Receptor Area K	Section of treeline and scrub on former golf course in the process of becoming a SANG	0.1	Amenity
Receptor Area L	Section of treeline and scrub surrounding Pond 129a on former golf course in the process of becoming a SANG	0.2	Amenity

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 31 - 40

C3.3i continued Ponds 31 - 40

[Back to Original section](#)

Pond ref	Description
27a	One of four adjacent lined garden ponds.
27b	Smallest and lowest of four adjacent interconnected lined garden ponds.
27c	Small pond, highest of four adjacent interconnected lined garden ponds.
28	Pond in arable field, some poaching from cattle along margin.
32	No longer a pond, dry depression in woodland with signs of badger use.
33	Pond on border of arable field and woodland.
37	Pond in corner of field, heavily poached by sheep.
38	Field pond with hedgerow bordering, used by sheep for drinking water.
39	Pond surrounded by hawthorn in corner of a pasture field.
39a	Very small amount of water in what was probably once a much larger pond but has not been for a significant time.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
27a	160	Yes	
27b	150	Yes	
27c	180	Yes	
28	240	Yes	
32	40	No	Completely unsuitable for GCN
33	240	Yes	
37	80	No	Completely unsuitable for GCN
38	20	Yes	
39	130	Yes	
39a	100	No	Completely unsuitable for GCN

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	11/05/2018	11/05/2018	11/05/2018	01/05/2018	
Pond ref	27a	27b	27c	28	32
SI1 - Location	1	1	1	1	
SI2 - Pond area	0.05	0.05	0.05	0.5	
SI3 - Pond drying	0.9	0.9	0.9	1	
SI4 - Water quality	0.67	0.67	0.67	0.67	
SI4 - Shade	0.7	0.4	1	1	
SI6 - Fowl	1	1	1	1	
SI7 - Fish	1	1	1	0.7	
SI8 - Ponds	0.85	0.85	0.85	0.89	
SI9 - Terr'l habitat	0.67	0.67	0.67	0.67	
SI10 - Macrophytes	0.6	0.45	0.8	0.4	
HSI	0.61	0.56	0.65	0.75	

Date HSI assessmt	17/05/2018	17/05/2018	17/05/2018	01/05/2018	24/05/2018
Pond ref	33	37	38	39	39a
SI1 - Location	1	1	1	1	1
SI2 - Pond area	0.4	0.3	0.45	0.9	0.05
SI3 - Pond drying	0.5	0.1	0.1	1	0.1

SI4 - Water quality	1	0.33	0.67	0.67	0.67
SI4 - Shade	0.3	0.2	0.4	0.3	0.2
SI6 - Fowl	1	0.67	0.67	0.67	1
SI7 - Fish	1	1	1	0.7	1
SI8 - Ponds	0.72	0.65	0.65	0.75	0.75
SI9 - Terr'l habitat	1	0.67	0.67	1	1
SI10 - Macrophytes	0.55	0.35	0.5	0.35	0.45
HSI	0.69	0.43	0.53	0.68	0.43

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
27a	Suzanne Jenkins	2017-28717-CLS-CLS
27b	Suzanne Jenkins	2017-28717-CLS-CLS
27c	Suzanne Jenkins	2017-28717-CLS-CLS
28	Ciaran Meehan	2017-27439-CLS-CLS
32	N/A	
33	Nicky Park	2017-27562-CLS-CLS
37	Ciaran Meehan	2017-27439-CLS-CLS
38	Ciaran Meehan	2017-27439-CLS-CLS
39	Ciaran Meehan	2017-27439-CLS-CLS
39a	N/A	

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
27a	11/05/2018	Absent
27b	11/05/2018	Absent
27c	11/05/2018	Absent
28	01/05/2018	Absent
32	N/A	N/A
33	17/05/2018	Absent
37	N/A	N/A
38	17/05/2018	Absent
39	01/05/2018	Present
39a	N/A	N/A

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
Receptor Area M	TQ01476550		0m
Receptor Area N	TQ05546941		0m
Receptor Area O	TQ05546941		0m

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
Receptor Area M	Foxhills Golf Club	No
Receptor Area N	Spelthorne Civic Pride Volunteers	No
Receptor Area O	Spelthorne Civic Pride Volunteers	No

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E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
Receptor Area M	Wooded area with scrub and understorey vegetation near Pond 203 on Foxhills Golf Course	0.2	Amenity
Receptor Area N	Area of scattered trees and scrub surrounding Pond 223	0.05	Solar panel farm
Receptor Area O	Area of scattered trees and scrub surrounding Pond 223	0.05	Solar panel farm

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 41 - 50

C3.3i continued Ponds 41 - 50

[Back to Original section](#)

Pond ref	Description
39b	Dry, shallow depression in a field.
41	Oblong pond along edge of golf fairway and road.
42	Large pond along edge of arable field.
43	A shallow depression in an area of woodland that occasionally collects water.
44	Woodland pond with two ditches feeding into it, low water level at time of survey.
50	Circular pond in margin between arable fields, lots of algae on the surface.
51	Large elliptical pond with a small island between arable field and a large garden.
52	A fishing lake.
54	Not surveyed. From aerials appears to be a small woodland pond.
55	Fenced pond on edge of new housing development, was likely here before development started too.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
39b	60	No	Completely unsuitable for GCN
41	180	Yes	
42	110	Yes	
43	100	No	Completely unsuitable for GCN
44	40	Yes	
50	50	Yes	
51	70	Yes	
52	150	Yes	
54	240	No	Pond is located 240m from the Order Limits on the other side of the A31 dual carriageway – total barrier to dispersal.
55	50	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt		17/04/2018	14/06/2018		29/06/2018
Pond ref	39b	41	42	43	44
S11 - Location		1	1		1
S12 - Pond area		0.4	0.8		0.75
S13 - Pond drying		1	0.9		1
S14 - Water quality		0.67	0.67		1
S14 - Shade		1	1		0.4
S16 - Fowl		0.67	0.67		1
S17 - Fish		0.7	0.7		0.7
S18 - Ponds		0.84	0.72		0.6
S19 - Terr'l habitat		0.67	0.67		1
S110 - Macrophytes		0.6	0.35		0.35
HSI		0.73	0.72		0.73

Date HSI assessmt		18/04/2018	18/04/2018	14/06/2018		29/05/2018
Pond ref	50	51	52	54	55	
S11 - Location		1	1	1		1
S12 - Pond area		0.8	0.8	0.8		0.1

SI3 - Pond drying	0.9	0.9	0.9	1
SI4 - Water quality	1	1	1	1
SI4 - Shade	1	1	1	1
SI6 - Fowl	0.67	0.67	0.67	0.67
SI7 - Fish	0.7	0.3	0.01	0.7
SI8 - Ponds	0.84	0.84	0.95	0.95
SI9 - Terr'l habitat	0.67	1	1	0.67
SI10 - Macrophytes	1	0.35	0.45	1
HSI	0.85	0.73	0.54	0.70

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
39b	N/A	
41	Ciaran Meehan	2017-27439-CLS-CLS
42	Nicky Park	2017-27562-CLS-CLS
43	N/A	
44	Emily Wallace	2016-23525-CLS-CLS
50	Ciaran Meehan	2017-27439-CLS-CLS
51	Ciaran Meehan	2017-27439-CLS-CLS
52	Emily Wallace	2016-23525-CLS-CLS
54	N/A	
55	Ciaran Meehan	2017-27439-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
39b	N/A	N/A
41	17/04/2018	Present
42	14/06/2018	Absent
43	N/A	N/A
44	29/06/2018	Absent
50	18/04/2018	Present
51	18/04/2018	Absent
52	14/06/2018	Absent
54	N/A	N/A
55	29/05/2018	Present

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
N/A			

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
N/A		

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
N/A			

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
56	Access permission denied. From aerials appears to be a pond in corner of pasture field. Hampshire Biodiversity Information Centre (HBIC) records confirm GCN presence.
57	Large garden pond with an island in the middle.
57a	Relatively newly constructed, lined mitigation pond in corner of pasture field. Managed by local wildlife group.
59	Woodland lake with overhanging willows and turning into wet woodland at northern end.
61	Pond no longer exists.
63	Small woodland pond.
64	Woodland pond near boundary of golf course.
65	Large woodland pond.
65a	Woodland pond with steep banks and lots of semi-mature trees on banks.
65b	Irregular shaped pond fed by runoff resulting from overflow of nearby ponds, heavily vegetated along banks.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
56	230	No	Access permission denied
57	190	Yes	
57a	50	Yes	
59	5	Yes	
61	170	No	Completely unsuitable for GCN
63	220	Yes	
64	170	Yes	
65	50	Yes	
65a	230	Yes	
65b	240	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	01/05/2018	01/05/2018	19/04/2018	
Pond ref	56	57	57a	59 61
SI1 - Location	1	1	1	
SI2 - Pond area	0.985	0.4	0.8	
SI3 - Pond drying	0.9	1	0.9	
SI4 - Water quality	1	1	1	
SI4 - Shade	1	1	0.6	
SI6 - Fowl	0.67	0.67	0.01	
SI7 - Fish	0.7	0.7	0.7	
SI8 - Ponds	0.75	0.85	0.75	
SI9 - Terr'l habitat	0.67	1	1	
SI10 - Macrophytes	0.8	0.4	0.45	
HSI	0.84	0.76	0.50	

Date HSI assessmt	18/04/2018	18/04/2018	08/05/2018	08/05/2018	08/05/2018
Pond ref	63	64	65	65a	65b
SI1 - Location	1	1	1	1	1

SI2 - Pond area	1	0.3	0.8	0.88	1
SI3 - Pond drying	0.5	1	0.9	1	1
SI4 - Water quality	1	1	1	1	1
SI4 - Shade	0.3	0.4	1	0.4	0.3
SI6 - Fowl	0.67	0.67	0.67	0.67	1
SI7 - Fish	1	1	0.7	0.7	1
SI8 - Ponds	0.95	0.95	1	1	1
SI9 - Terr'l habitat	1	1	1	1	1
SI10 - Macrophytes	0.4	0.4	0.65	0.35	0.7
HSI	0.72	0.71	0.86	0.75	0.86

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
56	N/A	
57	Ciaran Meehan	2017-27439-CLS-CLS
57a	Ciaran Meehan	2017-27439-CLS-CLS
59	Emily Wallace	2016-23525-CLS-CLS
61	N/A	
63	Emily Wallace	2016-23525-CLS-CLS
64	Emily Wallace	2016-23525-CLS-CLS
65	Emily Wallace	2016-23525-CLS-CLS
65a	Emily Wallace	2016-23525-CLS-CLS
65b	Emily Wallace	2016-23525-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
56	N/A	N/A
57	01/05/2018	Present
57a	01/05/2018	Present
59	19/04/2018	Absent
61	N/A	N/A
63	18/04/2018	Present
64	18/04/2018	Absent
65	08/04/2018	Absent
65a	08/05/2018	Present
65b	08/05/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
N/A			

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
N/A		

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
N/A			

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
69	Pond in middle of field with some reeds bordering.
70	Access permission denied. From aerial imagery appears to be a small pond on edge of woodland.
71	Access permission denied. From aerial imagery appears to be a roughly square pond. HBIC data confirms GCN presence here in 2014.
71a	Access permission denied. From aerial imagery appears to be a roughly square pond. HBIC data confirms GCN presence here in 2014.
74	Access permission denied. Appears to be a small garden pond.
75	Access permission denied. Appears to be a pond behind a garden centre.
76	Highly maintained garden pond, lined base and wooden veranda.
77	Small pond near fence in Crookham Park, lots of grass in and around edges suggesting it may be ephemeral.
78	Circular pond in the middle of a marshy field fed by a stream.
78a	Shallow ephemeral pond that dried up between HSI assesment and eDNA survey.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
69	150	Yes	
70	110	No	Access permission denied
71	140	No	Access permission denied
71a	30	No	Access permission denied
74	20	No	Access permission denied
75	40	No	Access permission denied
76	0	Yes	
77	0	Yes	
78	5	Yes	
78a	0	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	30/04/2018				
Pond ref	69	70	71	71a	74
SI1 - Location	1				
SI2 - Pond area	0.3				
SI3 - Pond drying	0.9				
SI4 - Water quality	0.67				
SI4 - Shade	1				
SI6 - Fowl	0.67				
SI7 - Fish	0.7				
SI8 - Ponds	1				
SI9 - Terr'l habitat	0.33				
SI10 - Macrophytes	0.4				
HSI	0.64				

Date HSI assessmt		17/05/2018	05/03/2018	05/03/2018	22/03/2018
Pond ref	75	76	77	78	78a
SI1 - Location		1	1	1	1
SI2 - Pond area		0.6	0.3	0.1	0.1
SI3 - Pond drying		0.9	0.1	0.5	1

SI4 - Water quality		0.67	1	1	1
SI4 - Shade		1	0.4	1	1
SI6 - Fowl		0.67	0.67	0.67	1
SI7 - Fish		0.7	1	0.7	1
SI8 - Ponds		1	1	1	1
SI9 - Terr'l habitat		0.67	1	1	1
SI10 - Macrophytes		0.4	1	1	0.6
HSI		0.73	0.62	0.69	0.75

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
69	Nicky Park	2017-27562-CLS-CLS
70	N/A	
71	N/A	
71a	N/A	
74	N/A	
75	N/A	
76	Ciaran Meehan	2017-27439-CLS-CLS
77	Rosy Benbow	2015-16872-CLS-CLS
78	Rosy Benbow	2015-16872-CLS-CLS
78a	N/A	

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
69	30/04/2018	Absent
70	N/A	N/A
71	N/A	N/A
71a	N/A	N/A
74	N/A	N/A
75	N/A	N/A
76	17/05/2018	Absent
77	18/04/2018	Absent
78	18/04/2018	Absent
78a	N/A	N/A

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
N/A			

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
N/A		

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
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N/A			

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
78b	Pond in area of woodland.
78c	Small ephemeral ditch by bridleway.
78d	Small ephemeral ditch by bridleway.
80	Not a pond but a shallow pool regularly drained and refilled with a hose for use as a horse jump.
81	Medium sized pond with a lined base.
82	Pond in area of woodland, lots of vegetation along banks.
83	Lined pond with steep banks, fed by a pipe- likely run off from surrounding area.
84	Large pond in amenity grassland.
85	Elongated pond with steep banks, likely lined.
86	Large pond with trees around banks.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
78b	40	Yes	
78c	0	No	Completely unsuitable for GCN. Shallow woodland scrape that was drying out. No macrophytes. Pond 78b is approximately 50m to the west and was negative for GCN eDNA.
78d	0	No	Completely unsuitable for GCN. Shallow woodland scrape that was dry. Pond 78b is approximately 50m to the west and was negative for GCN eDNA.
80	80	No	Completely unsuitable for GCN. Not a pond - area flooded with a hose pipe for a horse water jump.
81	200	Yes	
82	80	Yes	
83	20	Yes	
84	90	Yes	
85	140	Yes	
86	220	No	Completely unsuitable for GCN. Waterfowl and carp.

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	30/04/2018	30/04/2018	05/03/2018	17/05/2018	24/04/2018
Pond ref	78b	78c	78d	80	81
SI1 - Location	1	1	1	1	1
SI2 - Pond area	0.6	0.05	0.05	0.8	0.6
SI3 - Pond drying	1	0.1	0.1	0.1	0.9
SI4 - Water quality	0.67	0.67	0.67	1	0.67
SI4 - Shade	0.5	0.3	0.2	1	1
SI6 - Fowl	0.67	1	1	1	0.67
SI7 - Fish	1	1	1	1	1
SI8 - Ponds	1	1	1	0.65	0.65
SI9 - Terr'l habitat	1	1	1	0.67	0.67
SI10 - Macrophytes	0.55	0.4	1	0.3	0.3
HSI	0.77	0.46	0.48	0.63	0.71

Date HSI assessmt	30/05/2018	24/04/2018	24/04/2018	24/04/2018	19/04/2018
Pond ref	82	83	84	85	86
SI1 - Location	1	1	1	1	1
SI2 - Pond area	0.8	0.6	0.6	0.25	0.865

SI3 - Pond drying	0.9	0.9	0.9	0.9	0.9
SI4 - Water quality	1	1	1	0.67	1
SI4 - Shade	0.7	1	1	1	1
SI6 - Fowl	0.67	0.67	0.67	0.67	0.01
SI7 - Fish	0.7	1	0.7	1	0.01
SI8 - Ponds	0.9	1	1	1	1
SI9 - Terr'l habitat	1	0.67	0.67	0.67	1
SI10 - Macrophytes	0.3	0.3	0.35	0.4	0.4
HSI	0.76	0.77	0.75	0.70	0.35

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
78b	Nicky Park	2017-27562-CLS-CLS
78c	N/A	
78d	N/A	
80	N/A	
81	Nicky Park	2017-27562-CLS-CLS
82	Nicky Park	2017-27562-CLS-CLS
83	Nicky Park	2017-27562-CLS-CLS
84	Nicky Park	2017-27562-CLS-CLS
85	Nicky Park	2017-27562-CLS-CLS
86	N/A	

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
78b	30/04/2018	Absent
78c	N/A	N/A
78d	N/A	N/A
80	N/A	N/A
81	24/04/2018	Absent
82	30/05/2018	Absent
83	24/04/2018	Absent
84	24/04/2018	Absent
85	24/04/2018	Absent
86	N/A	N/A

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
N/A			

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
N/A		

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
N/A			

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
87b	Small ephemeral ditch with a small amount of muddy water that is likely to regularly dry out.
87c	Small pond that was almost completely dry at time of visit.
89	Oblong pond connected to drainage pipes.
90	Large pond with a pontoon for fishing.
92	A balancing pond that floods periodically.
93	Large pond on edge of scrub, invasive <i>Crassula helmsii</i> present in reedbank.
93a	A shallow, ephemeral woodland scrape that occasionally collects water.
93b	A shallow section of wet woodland with a very slow flow.
100a	A pond in a wooded parkland.
104	A fish breeding pond for stocking nearby fishing lakes.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
87b	250	No	Completely unsuitable for GCN
87c	90	No	Completely unsuitable for GCN
89	230	Yes	
90	180	No	Completely unsuitable for GCN. Waterfowl and carp.
92	120	Yes	
93	20	Yes	
93a	70	No	Completely unsuitable for GCN
93b	0	No - completely unsuitable for great crested newts	The water was eDNA surveyed despite appearing sub-optimal for GCN, the water was a shallow area of wet woodland with a slow flow and lots of sediment. Lab analysis returned an inconclusive result, but the waterbody is considered absent of GCN due to the conditions of the waterbody and negative eDNA results for all ponds within 500m.
100a	0	No	
104	40	No	Completely unsuitable for GCN

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt			24/04/2018	19/04/2018	17/04/2018
Pond ref	87b	87c	89	90	92
S11 - Location			1	1	1
S12 - Pond area			0.3	0.85	0.05
S13 - Pond drying			0.9	0.9	0.1
S14 - Water quality			1	1	0.67
S14 - Shade			1	1	1
S16 - Fowl			0.67	0.01	0.67
S17 - Fish			1	0.01	1
S18 - Ponds			1	1	1
S19 - Terr'l habitat			0.67	1	1
S110 - Macrophytes			0.5	0.4	0.6
HSI			0.76	0.35	0.52

Date HSI assessmt	17/04/2018	22/02/2018	02/05/2018	07/03/2018	
Pond ref	93	93a	93b	100a	104
SI1 - Location	1	1	1	1	
SI2 - Pond area	1	0.5	0.1	0.1	
SI3 - Pond drying	1	0.1	0.1	0.5	
SI4 - Water quality	0.67	1	0.67	0.67	
SI4 - Shade	1	0.4	0.4	0.3	
SI6 - Fowl	1	1	1	1	
SI7 - Fish	0.7	1	1	1	
SI8 - Ponds	0.9	0.85	0.84	0.65	
SI9 - Terr'l habitat	1	1	1	1	
SI10 - Macrophytes	0.8	0.35	0.4	0.6	
HSI	0.90	0.60	0.50	0.57	

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
87b	N/A	N/A
87c	N/A	N/A
89	Nicky Park	2017-27562-CLS-CLS
90	N/A	N/A
92	Emily Wallace	2016-23525-CLS-CLS
93	Emily Wallace	2016-23525-CLS-CLS
93a	N/A	N/A
93b	N/A	N/A
100a	N/A	N/A
104	N/A	N/A

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
87b	N/A	N/A
87c	N/A	N/A
89	24/04/2018	Absent
90	N/A	N/A
92	17/04/2018	Absent
93	17/04/2018	Absent
93a	N/A	N/A
93b	N/A	N/A
100a	N/A	N/A
104	N/A	N/A

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site
N/A			

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation Designation?
N/A		

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use
N/A			

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
104a	Flooded area of woodland that seems semi-permanent.
104b	Fishing lake.
105	Fishing lake.
106	Fishing lake.
107	Fishing lake.
108	Fishing lake.
109	Pond in area of woodland.
110	A raised, chemically treated pond with a water fountain.
111	A raised, chemically treated pond with a water fountain.
112	A raised, chemically treated pond with a water fountain.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
104a	120	No	Access permission denied
104b	130	No	Completely unsuitable for GCN
105	40	No	Completely unsuitable for GCN
106	0	No	Completely unsuitable for GCN
107	30	No	Completely unsuitable for GCN
108	0	No	Completely unsuitable for GCN
109	30	Yes	
110	70	No	Completely unsuitable for GCN
111	80	No	Completely unsuitable for GCN
112	90	No	Completely unsuitable for GCN

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	03/04/2018				
Pond ref	104a	104b	105	106	107
S11 - Location	1				
S12 - Pond area	0.5				
S13 - Pond drying	0.5				
S14 - Water quality	0.67				
S14 - Shade	0.2				
S16 - Fowl	0.67				
S17 - Fish	0.7				
S18 - Ponds	1				
S19 - Terr'l habitat	1				
S110 - Macrophytes	0.35				
HSI	0.59				

Date HSI assessmt		20/04/2018			
Pond ref	108	109	110	111	112
S11 - Location		1			
S12 - Pond area		0.3			
S13 - Pond drying		0.9			
S14 - Water quality		0.67			

SI4 - Shade		0.6			
SI6 - Fowl		0.67			
SI7 - Fish		0.7			
SI8 - Ponds		1			
SI9 - Terr'l habitat		1			
SI10 - Macrophytes		0.4			
HSI	0.68				

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
104a		
104b		
105		
106		
107		
108		
109	Nicky Park	2017-27562-CLS-CLS
110		
111		
112		

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
104a		
104b		
105		
106		
107		
108		
109	20/04/2018	Absent
110		
111		
112		

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
113	A raised, chemically treated pond with a water fountain.
114	A shallow, muddy ditch with drainage pipes at either end, not enough water to HSI or eDNA survey.
115	Golf course pond stocked with fish.
115a	A shallow woodland scrape with lots of palmate newts visible.
118	A large lined pond in a golf course.
118a	Not a pond but a flooded area of woodland seen from adjacent land, had dried up when returned to
124a	A pond surrounded by houses and with busy roads between project and location.
125	Large pond surrounded by heathland, close to a main road.
126	Access permission denied. From aerial imagery appears to be a small garden pond.
127	A pond on a former golf course in the process of being turned into a SANG. GCN seen in pond.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
113	130	No	Completely unsuitable for GCN
114	5	No	Completely unsuitable for GCN
115	110	No	Completely unsuitable for GCN
115a	10	Yes	
118	30	Yes	
118a	40	No	Completely unsuitable for GCN
124a	140	No	Isolated from development by dispersal barriers
125	30	Yes	
126	70	No	Access permission denied
127	70	No	Not eDNA surveyed as GCN seen during first population survey

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt			25/04/2018	14/03/2018	25/04/2018
Pond ref	113	114	115	115a	118
S11 - Location			1	1	1
S12 - Pond area			0.4	0.2	0.8
S13 - Pond drying			0.9	1	0.9
S14 - Water quality			1	0.67	0.67
S14 - Shade			1	1	1
S16 - Fowl			0.67	1	0.67
S17 - Fish			0.01	1	1
S18 - Ponds			0.72	0.72	0.75
S19 - Terr'l habitat			0.67	1	1
S110 - Macrophytes			0.45	0.3	0.3
HSI			0.47	0.70	0.77

Date HSI assessmt			17/04/2018		31/05/2018
Pond ref	118a	124a	125	126	127
S11 - Location			1		1
S12 - Pond area			0.9		0.9
S13 - Pond drying			1		1
S14 - Water quality			1		1

SI4 - Shade			1		0.2
SI6 - Fowl			0.67		1
SI7 - Fish			0.3		1
SI8 - Ponds			0.84		0.72
SI9 - Terr'l habitat			1		1
SI10 - Macrophytes			0.45		0.35
HSI			0.76		0.73

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
113		
114		
115		
115a	Nicky Park	2017-27562-CLS-CLS
118	Nicky Park	2017-27562-CLS-CLS
118a		
124a		
125	Emily Wallace	2016-23525-CLS-CLS
126		
127		

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
113		
114		
115		
115a	06/06/2018	Absent
118	25/04/2018	Absent
118a		
124a		
125	17/04/2018	Absent
126		
127		

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
127a	Pond full of reeds on former golf course in process of being converted to a SANG.
128	Pond on former golf course in process of being converted to a SANG.
129	Deep, rectangular pond on edge of former golf course in process of being converted to a SANG.
129a	Heavily vegetated pond on former golf course in process of being converted to a SANG.
130	Elliptical pond with island in the middle at end of a field.
130a	Stagnant ditch in woodland with pipes at either end.
130b	Stagnant ditch connected to 130a by a pipe.
130c	Appears to be an artificial woodland pond that may have recently been dug out.
134	Heavily vegetated pond in corner of a field, low water level.
136	Pond in corner of a field, carp present.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
127a	240	Yes	GCN confirmed from aquatic surveys so no eDNA survey
128	30	Yes	GCN confirmed from aquatic surveys so no eDNA survey
129	170	Yes	
129a	10	Yes	
130	150	Yes	
130a	50	No	Completely unsuitable for GCN
130b	70	No	Access permission denied
130c	30	No	Completely unsuitable for GCN
134	90	Yes	
136	170	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	31/05/2018	31/05/2018	31/05/2018	31/05/2018	25/04/2018
Pond ref	127a	128	129	129a	130
S11 - Location	1	1	1	1	1
S12 - Pond area	0.4	0.6	0.81	0.4	0.65
S13 - Pond drying	0.5	1	0.9	0.5	0.9
S14 - Water quality	1	1	1	1	0.67
S14 - Shade	1	1	0.9	1	1
S16 - Fowl	1	0.67	0.67	1	0.67
S17 - Fish	0.7	0.7	0.7	1	0.7
S18 - Ponds	1	1	1	1	0.9
S19 - Terr'l habitat	1	1	1	1	0.67
S110 - Macrophytes	1	1	0.4	1	0.5
HSI	0.82	0.88	0.81	0.85	0.75

Date HSI assessmt	07/02/2018	07/02/2018	08/02/2018	08/05/2018	18/05/2018
Pond ref	130a	130b	130c	134	136
S11 - Location	1	1	1	1	1
S12 - Pond area	0.2	0.8	0.05	0.6	0.45
S13 - Pond drying	0.5	0.1	0.1	0.5	0.9
S14 - Water quality	0.67	0.01	0.33	0.33	1

SI4 - Shade	0.7	0.8	0.2	1	1
SI6 - Fowl	1	1	1	1	0.67
SI7 - Fish	1	1	1	1	0.3
SI8 - Ponds	1	1	1	0.95	1
SI9 - Terr'l habitat	1	1	1	0.67	0.67
SI10 - Macrophytes	0.35	0.3	0.3	0.95	0.45
HSI	0.66	0.42	0.40	0.75	0.69

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
127a		
128		
129	Emily Wallace	2016-23525-CLS-CLS
129a	Emily Wallace	2016-23525-CLS-CLS
130	Nicky Park	2017-27562-CLS-CLS
130a		
130b		
130c		
134	Nicky Park	2017-27562-CLS-CLS
136	Nicky Park	2017-27562-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
127a		
128		
129	31/05/2018	Absent
129a	31/05/2018	Present
130	25/04/2018	Absent
130a		
130b		
130c		
134	08/05/2018	Absent
136	18/05/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
141	Large rectangular garden pond with island in the middle, full of carp.
142a	Long section of standing / slow flowing water below a road embankment, was dry when returned to
68	Not surveyed. From aerials appears to be a pond in woodland on the edge of a golf course.
73	Part of a horse race course, sided with wooden beams and only one edge sloped where potential
94a	Pond surrounded by trees that would connect to 94b when water levels were high enough.
144	Pond with lots of carp in and a fountain.
145	Pond no longer exists.
146	Pond no longer exists.
151	Rectangular pond full of rushes in woodland.
151a	Small circular woodland scrape holding a small amount of water.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
141	70	Yes	
142a	20	No	Completely unsuitable for GCN
68	230	No	Was not originally in survey area.
73	220	Yes	
94a	130	Yes	
144	130	No	Completely unsuitable for GCN
145	240	No	Completely unsuitable for GCN
146	250	No	Completely unsuitable for GCN
151	250	Yes	
151a	240	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	20/06/2018	05/04/2018		08/05/2018	19/04/2018
Pond ref	141	142a	68	73	94a
S11 - Location	1	1		1	1
S12 - Pond area	1	0.3		0.1	0.985
S13 - Pond drying	0.9	0.5		1	0.9
S14 - Water quality	0.67	0.67		0.67	1
S14 - Shade	1	1		1	1
S16 - Fowl	0.67	1		1	0.67
S17 - Fish	0.01	1		1	0.7
S18 - Ponds	0.9	1		0.9	1
S19 - Terr'l habitat	1	1		1	1
S110 - Macrophytes	0.35	0.3		0.35	0.5
HSI	0.51	0.70		0.68	0.85

Date HSI assessmt	17/05/2018			17/04/2018	17/04/2018
Pond ref	144	145	146	151	151a
S11 - Location	1			1	1
S12 - Pond area	0.3			0.5	0.2
S13 - Pond drying	0.9			0.9	0.9
S14 - Water quality	0.67			0.67	0.33

SI4 - Shade	1			1	0.5
SI6 - Fowl	1			0.67	1
SI7 - Fish	0.01			0.7	1
SI8 - Ponds	0.95			1	1
SI9 - Terr'l habitat	0.33			1	1
SI10 - Macrophytes	0.35			0.4	0.35
HSI	0.43			0.75	0.63

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
141	Ciaran Meehan	2017-27439-CLS-CLS
142a		
68		
73	Emily Wallace	2016-23525-CLS-CLS
94a	Nicky Park	2017-27562-CLS-CLS
144		
145		
146		
151	Nicky Park	2017-27562-CLS-CLS
151a	Nicky Park	2017-27562-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
141	20/06/2018	Absent
142a		
68		
73	08/05/2018	Present
94a	19/04/2018	Absent
144		
145		
146		
151	17/04/2018	Absent
151a	17/04/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
151b	Pond at side of footpath through heathland.
153	Large pond in heathland with lots of rushes.
155	Irregular shaped pond in heathland.
155a	Very small pond in heathland.
156	Round pond surrounded by long grass and gorse in heathland.
156a	Ditch running through heathland.
158	Round pond with gorse and willow on banks, in heathland.
159	Circular scrape in heathland.
160	Scrape in heathland.
161	Circular pond surrounded by gorse in heathland.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
151b	140	Yes	
153	40	Yes	
155	20	Yes	
155a	0	No	Pond not revisited before cut-off date for eDNA sampling.
156	50	Yes	
156a	50	No	Pond not revisited before cut-off date for eDNA sampling.
158	30	Yes	
159	180	Yes	
160	150	Yes	
161	60	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	17/04/2018	17/04/2018	18/04/2018	14/03/2018	17/04/2018
Pond ref	151b	153	155	155a	156
S11 - Location	1	1	1	1	1
S12 - Pond area	1	0.8	0.25	0.05	0.1
S13 - Pond drying	0.5	0.9	0.9	1	0.9
S14 - Water quality	0.33	0.67	0.67	0.67	0.67
S14 - Shade	1	1	1	1	1
S16 - Fowl	1	0.67	1	1	1
S17 - Fish	1	0.7	0.7	1	1
S18 - Ponds	1	1	1	1	1
S19 - Terr'l habitat	1	1	1	1	1
S110 - Macrophytes	0.4	0.45	0.8	0.35	0.6
HSI	0.76	0.80	0.78	0.64	0.72

Date HSI assessmt	17/04/2018	18/04/2018	17/04/2018	17/04/2018	17/04/2018
Pond ref	156a	158	159	160	161
S11 - Location	1	1	1	1	1
S12 - Pond area	0.05	0.3	0.2	0.4	0.1
S13 - Pond drying	1	1	1	1	0.9
S14 - Water quality	0.67	0.33	0.67	0.67	0.67

SI4 - Shade	1	1	1	1	1
SI6 - Fowl	1	1	1	1	1
SI7 - Fish	1	0.7	1	1	1
SI8 - Ponds	1	1	1	1	1
SI9 - Terr'l habitat	1	1	1	1	1
SI10 - Macrophytes	0.7	0.95	0.5	0.4	0.5
HSI	0.69	0.76	0.76	0.80	0.70

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
151b	Nicky Park	2017-27562-CLS-CLS
153	Nicky Park	2017-27562-CLS-CLS
155	Nicky Park	2017-27562-CLS-CLS
155a		
156	Nicky Park	2017-27562-CLS-CLS
156a		
158	Nicky Park	2017-27562-CLS-CLS
159	Nicky Park	2017-27562-CLS-CLS
160	Nicky Park	2017-27562-CLS-CLS
161	Nicky Park	2017-27562-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
151b	17/04/2018	Absent
153	17/04/2018	Absent
155	18/04/2018	Absent
155a		
156	17/04/2018	Absent
156a		
158	18/04/2018	Absent
159	17/04/2018	Absent
160	17/04/2018	Absent
161	17/04/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
164	Access permission denied. From aerial photos appears to be a small pond in area of woodland.
166	Almost two separate round ponds except for connecting section of water between.
166a	Small round pond in heathland.
167	Small pond next to an access track in heathland.
168	Pond near an access track and surrounded by gorse in heathland.
169	Large pond on the edge of an access track in heathland.
94b	Pond surrounded by trees that would connect to 94a when water levels were high enough.
95	Balancing pond with metal sluice gate at northeast corner.
96	Small pond surrounded by lots of willows.
178	Pond within woodland at edge of heathland.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
164	230	No	Access permission denied
166	90	Yes	
166a	50	Yes	
167	200	Yes	
168	230	Yes	
169	0	Yes	
94b	230	Yes	
95	200	Yes	
96	200	Yes	
178	0	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt		17/04/2018	08/04/2018	18/04/2018	18/04/2018
Pond ref	164	166	166a	167	168
S11 - Location		1	1	1	1
S12 - Pond area		0.4	0.3	0.05	0.25
S13 - Pond drying		0.9	0.5	1	1
S14 - Water quality		0.67	0.67	0.67	0.67
S14 - Shade		1	1	1	1
S16 - Fowl		1	1	1	1
S17 - Fish		1	1	1	1
S18 - Ponds		1	1	1	1
S19 - Terr'l habitat		1	1	1	1
S110 - Macrophytes		0.5	0.5	0.75	0.75
HSI		0.81	0.74	0.69	0.81

Date HSI assessmt	17/04/2018	19/04/2018	19/04/2018	19/04/2018	18/04/2018
Pond ref	169	94b	95	96	178
S11 - Location	1	1	1	1	1
S12 - Pond area	0.55	1	0.55	0.05	0.8
S13 - Pond drying	0.5	0.895	0.9	0.9	0.5
S14 - Water quality	0.33	1	0.33	0.67	0.67

SI4 - Shade	1	1	1	0.5	1
SI6 - Fowl	1	0.67	0.67	1	1
SI7 - Fish	1	0.7	1	1	1
SI8 - Ponds	1	1	1	1	1
SI9 - Terr'l habitat	1	1	0.67	0.67	1
SI10 - Macrophytes	0.45	0.4	1	0.35	0.5
HSI	0.73	0.84	0.77	0.57	0.82

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
164		
166	Nicky Park	2017-27562-CLS-CLS
166a	Nicky Park	2017-27562-CLS-CLS
167	Nicky Park	2017-27562-CLS-CLS
168	Nicky Park	2017-27562-CLS-CLS
169	Nicky Park	2017-27562-CLS-CLS
94b	Nicky Park	2017-27562-CLS-CLS
95	Nicky Park	2017-27562-CLS-CLS
96	Nicky Park	2017-27562-CLS-CLS
178	Nicky Park	2017-27562-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
164		
166	17/04/2018	Absent
166a	08/05/2018	Absent
167	18/04/2018	Absent
168	18/04/2018	Absent
169	17/04/2018	Absent
94b	19/04/2018	Absent
95	19/04/2018	Absent
96	19/04/2018	Absent
178	18/04/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
178a	Pond that has formed below track, appears permanent and peaty.
180	Lowest of three large connected pond, duckweed on 80% of surface.
180a	Shallow depression holding water in woodland, was dry when returned to eDNA survey.
183	Middle of three large ponds that flow into each other.
97	Large pond in small strip of woodland and heathland near road.
208a	Woodland pond by horse pasture.
190	Pond with willow trees growing in the margin, on edge of managed grassland.
191	Medium-sized pond in managed grassland.
191a	Very small plastic based pond as part of a 'display garden' for a garden centre.
192	Pond in golf course fairway, dominated by large reeds.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
178a	0	No	Pond not revisited before cut-off date for eDNA sampling.
180	100	Yes	
180a	10	No	Completely unsuitable for GCN
183	170	Yes	
97	30	No	Completely unsuitable for GCN
208a	220	Yes	
190	150	Yes	
191	0	Yes	
191a	200	No	Completely unsuitable for GCN
192	60	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	05/04/2018	14/05/2018	05/04/2018	14/05/2018	19/04/2018
Pond ref	178a	180	180a	183	97
S11 - Location	1	1	1	1	1
S12 - Pond area	0.1	0.88	0.1	0.955	0.8
S13 - Pond drying	0.9	0.9	0.1	0.9	0.9
S14 - Water quality	1	0.67	1	0.67	0.67
S14 - Shade	1	0.8	0.4	0.4	1
S16 - Fowl	1	0.67	1	0.67	0.67
S17 - Fish	1	0.7	1	0.7	0.7
S18 - Ponds	1	1	1	1	1
S19 - Terr'l habitat	1	1	1	1	0.67
S110 - Macrophytes	0.45	0.5	0.3	0.45	0.8
HSI	0.73	0.79	0.51	0.74	0.81

Date HSI assessmt	09/02/2018	01/05/2018	13/03/2018		16/04/2018
Pond ref	208a	190	191	191a	192
S11 - Location	1	1	1		1
S12 - Pond area	0.8	0.8	0.9		0.1
S13 - Pond drying	0.5	0.9	0.9		0.1
S14 - Water quality	0.67	1	1		0.67

SI4 - Shade	0.2	0.3	1		1
SI6 - Fowl	1	0.67	0.67		0.67
SI7 - Fish	1	0.7	0.7		0.7
SI8 - Ponds	1	1	1		1
SI9 - Terr'l habitat	1	0.67	0.67		0.67
SI10 - Macrophytes	0.35	0.35	0.65		0.85
HSI	0.67	0.69	0.84		0.53

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
178a		
180	Nicky Park	2017-27562-CLS-CLS
180a		
183	Nicky Park	2017-27562-CLS-CLS
97	Nicky Park	2017-27562-CLS-CLS
208a	Emily Wallace	2016-23525-CLS-CLS
190	Nicky Park	2017-27562-CLS-CLS
191	Nicky Park	2017-27562-CLS-CLS
191a		
192	Emily Wallace	2016-23525-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
178a		
180	14/05/2018	Present
180a		
183	14/05/2018	Absent
97	19/04/2018	Absent
208a	09/05/2018	Absent
190	01/05/2018	Absent
191	16/04/2018	Absent
191a		
192	16/04/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
193	Pond in middle of a golf course fairway, connected at either side to a drainage ditch.
194	Shallow scrape connected to a ditch on either end, on edge of a golf course fairway.
194a	Shallow, oval pond on edge of golf course fairway.
194b	Triangular pond on edge of golf tee, dominated by bulrush.
194c	Elongated pond on edge of golf tee, possibly connected to 194b by a pipe under footpath.
194d	Scrape on golf course with four pipes leading into it, likely an overflow that holds water occasionally.
195	Small pond under trees and amongst a patch of brambles in golf course.
196	Large, irregular shaped pond on golf course.
197	Oval shaped pond on golf course fairway.
198	Pond with bulrush in the middle and shrubs on banks, on a golf course.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
193	80	Yes	
194	0	Yes	
194a	0	Yes	
194b	100	Yes	
194c	90	Yes	
194d	70	No	Completely unsuitable for GCN
195	5	Yes	
196	5	Yes	
197	20	Yes	
198	10	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	16/04/2018	16/04/2018	13/03/2018	13/03/2018	13/03/2018
Pond ref	193	194	194a	194b	194c
S11 - Location	1	1	1	1	1
S12 - Pond area	0.05	0.1	0.2	0.1	0.55
S13 - Pond drying	0.9	0.1	1	1	1
S14 - Water quality	0.67	1	0.67	1	1
S14 - Shade	1	1	1	0.8	1
S16 - Fowl	0.67	1	0.67	0.67	0.67
S17 - Fish	0.7	0.7	1	1	0.7
S18 - Ponds	1	1	1	1	1
S19 - Terr'l habitat	1	0.67	0.67	0.67	0.67
S110 - Macrophytes	0.85	0.8	0.35	0.9	0.4
HSI	0.64	0.57	0.68	0.71	0.77

Date HSI assessmt	13/03/2018	16/04/2018	16/04/2018	16/04/2018	16/04/2018
Pond ref	194d	195	196	197	198
S11 - Location	1	1	1	1	1
S12 - Pond area	0.05	0.1	0.75	0.4	0.1
S13 - Pond drying	0.1	0.1	0.9	0.9	0.1
S14 - Water quality	0.67	0.67	1	1	1

SI4 - Shade	1	0.2	1	1	1
SI6 - Fowl	1	1	0.67	0.67	1
SI7 - Fish	1	1	0.7	0.7	1
SI8 - Ponds	1	1	1	1	1
SI9 - Terr'l habitat	1	0.67	0.67	0.67	0.67
SI10 - Macrophytes	0.3	0.35	0.4	0.3	0.3
HSI	0.50	0.45	0.78	0.71	0.54

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
193	Emily Wallace	2016-23525-CLS-CLS
194	Ciaran Meehan	2017-27439-CLS-CLS
194a	Ciaran Meehan	2017-27439-CLS-CLS
194b	Ciaran Meehan	2017-27439-CLS-CLS
194c	Ciaran Meehan	2017-27439-CLS-CLS
194d		
195	Ciaran Meehan	2017-27439-CLS-CLS
196	Ciaran Meehan	2017-27439-CLS-CLS
197	Ciaran Meehan	2017-27439-CLS-CLS
198	Ciaran Meehan	2017-27439-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
193	16/04/2018	Absent
194	16/04/2018	Absent
194a	16/04/2018	Present
194b	16/04/2018	Absent
194c	16/04/2018	Present
194d		
195	16/04/2018	Absent
196	16/04/2018	Absent
197	16/04/2018	Absent
198	16/04/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
199	Circular pond connected to ditches on golf course.
200	Irregular shaped pond between two fairways on a golf course.
201	Oval pond on golf course fairway.
202	Large pond with large island in the middle on golf course.
202a	Small pond on edge of fairway on golf course.
203	Woodland pond filled with lots of dead branches, on edge of golf course.
204	Long rectangular pond on edge of golf course fairway.
204a	Large triangular pond on border of fairway and woodland on golf course.
98	Small woodland pond with lots of young willow growing in it.
206	Golf course pond connected to 206a by an inflow pipe.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
199	10	Yes	
200	30	Yes	
201	50	Yes	
202	70	Yes	
202a	20	Yes	
203	10	Yes	
204	90	Yes	
204a	20	Yes	
98	130	Yes	
206	40	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	13/03/2018	13/03/2018	13/03/2018	18/05/2018	18/05/2018
Pond ref	199	200	201	202	202a
S11 - Location	1	1	1	1	1
S12 - Pond area	0.6	0.6	0.25	0.985	0.6
S13 - Pond drying	0.9	0.9	0.9	0.9	0.9
S14 - Water quality	0.67	1	1	0.67	1
S14 - Shade	1	1	1	1	1
S16 - Fowl	0.67	0.67	0.67	0.67	0.67
S17 - Fish	1	0.7	0.7	0.7	0.7
S18 - Ponds	1	1	1	0.85	0.85
S19 - Terr'l habitat	0.67	0.67	1	0.67	0.33
S110 - Macrophytes	0.4	0.35	0.35	0.45	0.9
HSI	0.76	0.75	0.72	0.77	0.76

Date HSI assessmt	16/04/2018	18/05/2018	18/05/2018	19/04/2018	18/05/2018
Pond ref	203	204	204a	98	206
S11 - Location	1	1	1	1	1
S12 - Pond area	0.1	1	0.91	0.05	0.6
S13 - Pond drying	0.5	0.9	0.9	0.5	0.9
S14 - Water quality	0.67	0.67	0.67	1	0.67

SI4 - Shade	0.2	1	1	0.3	1
SI6 - Fowl	1	0.67	0.67	1	0.67
SI7 - Fish	0.7	0.7	0.7	1	0.3
SI8 - Ponds	1	0.85	0.85	1	0.84
SI9 - Terr'l habitat	1	0.67	0.67	0.67	0.67
SI10 - Macrophytes	0.35	0.5	0.65	0.35	0.65
HSI	0.53	0.78	0.79	0.53	0.70

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
199	Ciaran Meehan	2017-27439-CLS-CLS
200	Ciaran Meehan	2017-27439-CLS-CLS
201	Ciaran Meehan	2017-27439-CLS-CLS
202	Nicky Park	2017-27562-CLS-CLS
202a	Nicky Park	2017-27562-CLS-CLS
203	Ciaran Meehan	2017-27439-CLS-CLS
204	Nicky Park	2017-27562-CLS-CLS
204a	Nicky Park	2017-27562-CLS-CLS
98	Nicky Park	2017-27562-CLS-CLS
206	Nicky Park	2017-27562-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
199	16/04/2018	Absent
200	16/04/2018	Absent
201	16/04/2018	Present
202	18/05/2018	Absent
202a	18/05/2018	Absent
203	16/04/2018	Absent
204	18/05/2018	Absent
204a	18/05/2018	Absent
98	19/04/2018	Absent
206	18/05/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
206a	Small golf course pond connected to 206 by an inflow pipe under a footpath.
208	Large pond surrounded by trees, possibly used for irrigation.
211	Pond with willows growing in it, surrounded by managed grassland. Too shallow/dry to eDNA survey.
213	Pond heavily overgrown by brambles, nettles and possibly Japanese knotweed (found very nearby).
214	Pond heavily overgrown and unable to reach bank to eDNA survey. HSI assessment from
215	Unable to get close enough to see whether holding water due to dense vegetation. Reeds seen
99	Small woodland scrape.
218	Access permission denied. From aerial imagery appears to be a large rectangular farm pond.
220	Pond no longer exists.
221	Pond no longer exists.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
206a	50	Yes	
208	170	Yes	
211	70	No	Completely unsuitable for GCN
213	50	No	Serious health & safety concerns. Too heavily overgrown to reach banks.
214	0	No	Serious health & safety concerns. Too heavily overgrown to reach banks.
215	120	No	Serious health & safety concerns. Too heavily overgrown to reach banks.
99	100	Yes	
218	160	No	Access permission denied
220	240	No	Completely unsuitable for GCN
221	0	No	Completely unsuitable for GCN

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	18/05/2018	09/02/2018	01/05/2018	04/06/2018	04/06/2018
Pond ref	206a	208	211	213	214
SI1 - Location	1	1	1	1	1
SI2 - Pond area	0.6	0.88	0.3	0.75	0.8
SI3 - Pond drying	0.9	0.9	0.1	0.9	0.9
SI4 - Water quality	0.67	1	0.67	0.67	0.33
SI4 - Shade	1	0.8	0.2	0.8	0.6
SI6 - Fowl	0.67	0.67	1	0.67	0.67
SI7 - Fish	0.7	0.7	1	0.7	0.7
SI8 - Ponds	0.84	0.95	0.84	0.72	0.72
SI9 - Terr'l habitat	0.67	0.67	0.33	1	0.33
SI10 - Macrophytes	1	0.35	1	0.35	0.35
HSI	0.79	0.76	0.51	0.73	0.59

Date HSI assessmt		19/04/2018			
Pond ref	215	99	218	220	221
SI1 - Location		1			

SI2 - Pond area		0.1			
SI3 - Pond drying		1			
SI4 - Water quality		1			
SI4 - Shade		0.3			
SI6 - Fowl		1			
SI7 - Fish		1			
SI8 - Ponds		1			
SI9 - Terr'l habitat		0.67			
SI10 - Macrophytes		0.35			
HSI		0.61			

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
206a	Nicky Park	2017-27562-CLS-CLS
208	Emily Wallace	2016-23525-CLS-CLS
211		
213		
214		
215		
99	Nicky Park	2017-27562-CLS-CLS
218		
220		
221		

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
206a	18/05/2018	Absent
208	22/04/2018	Absent
211		
213		
214		
215		
99	19/04/2018	Absent
218		
220		
221		

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

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E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
223	Circular pond managed by local wildlife group.
223a	Large rectangular pond, found after eDNA survey season.
224	Semi-permanent wet ditch with stagnant water between school playing field and road.
102	Large pond with steep banks surrounded by dense vegetation.
103	Woodland pond with steep banks and road bordering, unable to reach to eDNA. Very isolated.
103a	Large fishing lake.
103b	Large fishing lake.
103c	Large fishing lake.
108a	A pond isolated in the middle of a busy junction leading onto the A331.
186	Second highest of four large ponds that flow into one another, largest of all.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
223	10	Yes	
223a	5	No - other reason	Pond found after 2018 survey season.
224	0	Yes	
102	0	Yes	
103	30	No	Serious health & safety concerns
103a	5	No	Completely unsuitable for GCN
103b	10	No	Completely unsuitable for GCN
103c	30	No	Completely unsuitable for GCN
108a	210	No	Isolated from development by dispersal barriers
186	220	Yes	

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt	06/03/2018	04/10/2018	05/06/2018	19/04/2018	
Pond ref	223	223a	224	102	103
S11 - Location	1	1	1	1	
S12 - Pond area	0.8	0.985	0.2	0.9	
S13 - Pond drying	0.9	1	0.5	1	
S14 - Water quality	1	0.67	0.33	0.9	
S14 - Shade	0.8	0.8	0.2	0.67	
S16 - Fowl	0.67	0.67	1	0.3	
S17 - Fish	0.7	0.7	0.7	1	
S18 - Ponds	0.75	0.75	0.45	1	
S19 - Terr'l habitat	1	1	0.67	1	
S110 - Macrophytes	0.5	0.45	0.3	0.4	
HSI	0.80	0.78	0.46	0.76	

Date HSI assessmt					14/05/2018
Pond ref	103a	103b	103c	108a	186
S11 - Location					1
S12 - Pond area					0.8
S13 - Pond drying					0.9
S14 - Water quality					0.67

SI4 - Shade					0.5
SI6 - Fowl					0.67
SI7 - Fish					0.7
SI8 - Ponds					1
SI9 - Terr'l habitat					0.67
SI10 - Macrophytes					0.45
HSI					0.71

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
223	Emily Wallace	2016-23525-CLS-CLS
223a		
224	Ciaran Meehan	2017-27439-CLS-CLS
102		
103		
103a		
103b		
103c		
108a		
186	Nicky Park	2017-27562-CLS-CLS

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
223	18/06/2018	Present
223a		
224	05/06/2018	Absent
102		
103		
103a		
103b		
103c		
108a		
186	14/05/2018	Absent

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use

Records of additional pond(s) surveyed

Please use this page to record extra data, if more than 10 ponds were surveyed - Ponds 21 - 30

C3.3i continued Ponds 21 - 30

[Back to Original section](#)

Pond ref	Description
210	Not surveyed. From aerials appears to be a pond in amenity grassland or a small orchard.
212	Not surveyed. From aerials appears to be a pond in arable field.
108b	Fishing lake.
108c	Fishing lake.
108d	Fishing lake.

C3.3ii continued

[Back to Original section](#)

Pond ref	Distance (m)	Surveyed or not?	If not why not?
210	20	No - other reason	Not within original survey area.
212	120	No - other reason	Not within original survey area.
108b	170	No	Completely unsuitable for GCN
108c	100	No	Completely unsuitable for GCN
108d	70	No	Completely unsuitable for GCN

C3.5 additional ponds HSI score

[Back to Original section](#)

Date HSI assessmt					
Pond ref	210	212	108b	108c	108d
S11 - Location					
S12 - Pond area					
S13 - Pond drying					
S14 - Water quality					
S14 - Shade					
S16 - Fowl					
S17 - Fish					
S18 - Ponds					
S19 - Terr'l habitat					
S110 - Macrophytes					
HSI					

Date HSI assessmt					
Pond ref					
S11 - Location					
S12 - Pond area					
S13 - Pond drying					
S14 - Water quality					

SI4 - Shade					
SI6 - Fowl					
SI7 - Fish					
SI8 - Ponds					
SI9 - Terr'l habitat					
SI10 - Macrophytes					
HSI					

C4.2iii Continued

[Back to Original section](#)

Pond ref	GCN Surveyor / Accredited Agent	Licence Reference
210		
212		
108b		
108c		
108d		

4.2c Continued

[Back to Original section](#)

Pond reference	Date eDNA sample taken	Result (presence or absence)
210		
212		
108b		
108c		
108d		

E2.3 Receptor site locations. Continued

[Back to original section](#)

Site name	OS grid ref eg AB12345678	Administration area - if different from development site	Distance from development site

E2.4 Receptor site(s): continued

[Back to original section](#)

Site name	Site Ownership	Conservation

E2.5 Receptor site(s): continued

[Back to original section](#)

Site name	Habitat description	Size (ha)	Adjacent Land Use