

THE VALE OF GLAMORGAN COUNCIL

SINC REVIEW (2023)

FINAL REPORT

FEBRUARY 2024



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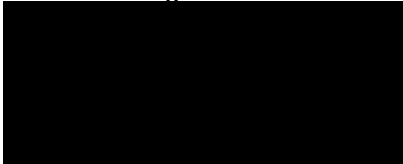

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1	-	Draft for review	06 November 2023			
2	Minor text updates (Section 4) following LPA review, update to SINC Results Plan (Appendix II)	Final Report	28 February 2024			

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1.0 INTRODUCTION

- 1.1 Soltys Brewster Ecology (SBE) were appointed to provide ecological services to the Vale of Glamorgan Council as part of the Local Development Plan (LDP) review process to verify and validate the conditions of the existing Sites of Importance for Nature Conservation (SINC's) within the county.
- 1.2 There are 363no. SINC's identified within the current LDP (2011 – 2026) with an additional 10no. candidate sites (cSINC's) proposed (not currently adopted). SBE were previously involved in the identification and field validation exercise for 358no. of these sites in 2009, with the final report (SBE, 2010) submitted as part of the evidence base for the current LDP.
- 1.3 Consultancy services provided under this commission was based on a collaboration between Soltys Brewster Ecology and a dedicated field survey team of experienced botanical surveyors¹ with extensive experience of site/habitat assessment including previous experience of the SINC review process (3no. of the team were involved with the 2009 Vale of Glamorgan SINC review).
- 1.4 The project included a separate field survey visit for all existing 360no. SINC's and 11no. cSINC's within the county (where access allowed) to verify the existing habitat conditions. Data collected during the field survey was assessed against the Guidelines for the Selection of Wildlife Sites in South Wales, as prepared by the Wales Biodiversity Partnership (2008), to determine if each site still met SINC criteria. The verification of SINC's/cSINC's as part of the current project was focused on sites meeting habitat criteria rather than species criteria. However, incidental records of protected or notable faunal species were recorded where appropriate.
- 1.5 The objectives of the project were as follows:
- To survey all existing SINC's and proposed cSINC's within the county and assess the current habitat conditions against SINC criteria;
 - To provide VoG with a report summarising the findings of the survey work and updated SINC designations. The report to include completed survey proformas and site photographs for all SINC's and cSINC's visited; and
 - To provide survey data within GIS/shapefile format.
- 1.6 The current report presents the findings of the field work undertaken by SBE and associates to verify the existing conditions of SINC's and cSINC's within the Vale of Glamorgan. The field work was completed between June – October 2023. The findings of the study are intended to contribute to the evidence base for the

¹ Peter Strugess CEnv MCIEEM (Strugess Ecology) & Sharon Pilkington CEnv MCIEEM (Vegetation Survey & Assessment)
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Replacement Local Development Plan (RDLP) 2021 – 2036. All survey proformas, site photographs and GIS data will be supplied separately in digital format.

2.0 METHODOLOGY

SINC GIS Data

- 2.1 At the start of the project, SBE were provided with GIS shapefiles from the Vale of Glamorgan detailing the location and boundaries all 360no. existing SINC²s and the 11no. cSINC²s within the county. Mapped SINC/cSINC²s were overlayed with Google Earth imagery² and then divided into seven separate survey parcels (Survey Areas A – G) to facilitate data collection, with each surveyor assigned a Survey Area. The extent of each Survey Area was kept consistent with the areas used within the previous 2009 SINC review (e.g., survey area divided by major roads and rivers). Copies of survey plans and maps were issued to each surveyor.
- 2.2 A copy of the survey masterplan illustrating the location of all SINC/cSINC²s and associated Survey Areas is included in Appendix I with a list provided in Table 2.

Survey Proformas and Field Work

- 2.3 A separate survey proforma was completed for each SINC or cSINC survey undertaken. The details of the survey proforma were agreed with the Vale of Glamorgan prior the start of the project with the aim of the proforma to include details on the current habitat conditions, threats and enhancement/management opportunities as well as a species list to assess against SINC criteria. An example proforma is included in Table 3.
- 2.4 The field survey work was undertaken between June – October 2023³. Each SINC survey visit consisted of a walkover survey of all accessible areas within the SINC boundary. Surveyors completed a separate survey proforma for each SINC site as well as uploading a collection of site photographs. A species list for each habitat type encountered (e.g., grassland, woodland, wetland) was compiled and assessed against the indicator species included in the SINC criteria (i.e., Guidelines for the Selection of Wildlife Sites). Survey data was also compared against previous survey information collected in 2009 (where available) to identify any changes to habitat conditions.
- 2.5 The current status of each SINC was determined based on the Guidelines for the Selection of Wildlife Sites (2008). For broad-leaved woodland and grassland habitats (e.g., neutral, calcareous or marshy grassland), species lists collected during the site survey were compared against the list of species-rich indicator species for each habitat. Where sites supported the minimum requirement of indicator species (e.g., 8no. indicator species for neutral grassland) or a high number of indicator species these were considered to still meet SINC status. Sites were either assigned a status of Yes, No or No Access.

² <https://earth.google.com/web/>

³ Excluding survey work conducted for Duffryn Gardens which was informed by work completed by Peter Sturgess.

2.6 For habitat types determined without quantifiable data (e.g., no indicator species lists available), these sites were assigned SINC status based on professional judgement following an assessment of surveyor notes against the habitat descriptions included within the SINC guidelines. This applied to the following habitats:

- Parklands, Orchards and Veteran Trees
- Coastal Floodplain and Grazing Marsh
- Fens, Reedbeds and Other Swamps
- Coastal Habitats
- Standing Open Water (Ponds)

2.7 The verification of SINC/cSINC status as part of the current project was focused only on sites meeting habitat criteria rather than species criteria. In some circumstances, existing SINC/cSINC status have been designated based on the presence of a notable breeding Great Crested Newt population and would not meet the minimum criteria to be designated for habitats (e.g., Pond or Fens). In the absence of updated species-specific survey data, these sites were automatically considered to still meet SINC status. These include the following 15no. SINC/cSINC:

Table 1: SINC/cSINC designated for species criteria (breeding GCN or other amphibian population)

SINC	Site name	Reason for current designation
15	Gladstone Road Pond	Pond supporting breeding Smooth Newts
41	Readers Way Pond	Pond supporting breeding Great Crested Newts (GCN)
107	Amelia Trust Dew Pond	Pond supporting breeding GCN
148	Wenvoe Castle Front Lawn Pond	Pond supporting breeding GCN
152	Pond 11 Biglis Moors	Pond supporting amphibian assemblage including breeding GCN
153	Pwll Erw-naw	Pond supporting breeding amphibians including GCN
213	North of The Garn	Assemblage of amphibians including breeding GCN and Smooth Newts
247	Glan-y-mor Pond	Pond supporting assemblage of amphibians including breeding GCN
248	Sealands Farm Pond	Pond supporting breeding amphibian including GCN
343	Water Lane Ponds	Ponds supporting amphibian assemblage including GCN
344	Highfield Farm Dew Pond 2	Pond supporting breeding GCN
346	Sutton Road Pond	Pond supporting breeding GCN
347	Dyffryn Business Park Pond	Pond supporting breeding GCN
355	Flaxland Pond	Pond supporting breeding GCN
356	Welsh St Donats Village Pond	Pond supporting amphibian assemblage including GCN

Limitations

- 2.8 The survey work was conducted between June – September/October 2023. Surveyors aimed to programme SINC assessments for woodland and grassland habitats as early into the survey period as possible in order to identify earlier flowering indicator species associated with woodland ground-flora (e.g., Wood Anemone *Anemone nemorosa*) and to survey grassland habitats before any potential hay cuts. Sites designated for marshy grassland habitats were programmed in later in the season to identify any late flowering species. However, this was not always possible and for some SINC sites a full assessment of the ground-flora species associated with the grassland and woodland habitats was not possible. In these circumstances plant species were identified vegetatively and SINC status was assigned based on professional judgement. This was not considered to significantly impact the overall assessment of SINC sites.
- 2.9 Out of the total 360no. SINC and 11no. cSINC sites, only 3no. SINC sites were inaccessible during the survey period and not reassessed. This included; SINC 141 - Clemenstone Brook, SINC 310 – Coed Llancadle and SINC 313 – Land adjacent to Burton Plantation. These SINC sites were either inaccessible (locked gates) or the landowner refused access to surveyors.

Survey Team

- 2.10 The SINC assessment surveys were conducted by a suitably qualified and experienced survey team comprising of a collaboration between Soltys Brewster Ecology, Strugress Ecology and Vegetation Survey & Assessment:
- Soltys Brewster Ecology*
- Daria Cechowicz, Senior Ecologist ACIEEM – Survey Areas C & G
 - Daniel Jones, Associate Ecologist ACIEEM – Survey Areas D & G
 - Ben Satherley, Senior Ecologist ACIEEM – Survey Area E
- Other surveyors*
- Peter Sturgess CEnv MCIEEM (Sturgess Ecology) – Survey Area A
 - Sharon Pilkington CEnv MCIEEM (Vegetation Survey and Assessment) – Survey Areas B & F
- 2.11 At all times all surveyors carried a physical and digital copy of a letter supplied by the VoG which detailed the survey work to be undertaken and authorised access to land within the county in accordance with Sections 324 and 325 of the Town and Country Planning Act 1990 (c. 8).

Table 2: List of all 360no. existing SINCs and 11no. cSINC within the Vale of Glamorgan.

SINC No./Name	Survey Area
1 Craig Tan-y-Lan	A
2 South of Tyla Gwyn	A
3 Cae Coed	A
4 North of Cae Coed	A
5 Ffynnon y Dera	A
6 Penymynydd	A
7 Ruthin Fach Farm	A
8 Coed Mawr	A
9 Land to East of Mynydd Ruthin	A
10 Mynydd Ruthin	A
11 Land South of Mynydd Ruthin	A
12 North West of Pant-y-Llywydd Farm	A
13 Coed Breigam	A
14 Coed y Brynau	A
15 Gladstone Road Pond	E
16 Pond North of Cae-Rhys-Ddu	A
17 Coed Pant-Llywydd	A
18 Land to the East of Llansannor & Llanharry Church in Wales Primary School	G
19 Land East of Tynytrach Farm	G
20 South of Forest Wood Quarry	G
21 Fforest Fach Farm	B
22 Land West of Llanfarach Farm	B
23 Land South West of Llanfarach Farm	B
24 Land between M4 and Industrial Estate	B
25 Land South of Llanfarach Farm 2	B
26 Land West of Ty Newydd Farm	B
27 North of Gwern-y-Gedrych	B
28 King's Wood	C
29 Long Wood	C
30 South of Long Wood	C
31 North of Corntown	C
32 Cottage Wood	C

SINC No./Name	Survey Area
33 Land South of Moor Mill	A
34 North West of Court Farm	A
35 Land North East of Newland	A
36 Land West of Llangan	A
37 Land North of Llangan	A
38 Coed Mansel	A
39 Land to East of Coed Pant Llywydd	A
40 Coed y Graig	A
41 Readers Way Pond	E
42 Coed y Stanby	A
43 Ham Wood	A
44 Land to North West of the Old Mill	A
45 Penllyn Fish Ponds	A
46 Llansannor Wood	A
47 Coed y Graig	A
48 South West of King Coed	A
49 Coed Pen-Cyrrn	G
50 Mynydd y Fforest	G
51 North Ystradowen	G
52 Old Quarry, Cowbridge Road	G
53 Coed Wern-Fawr	B
54 Coed Cattwg-Glas	B
55 Llwyn-yoy Pond	B
56 Coed Llwyn-Rhyddid	B
57 South East of Llwyn-Rhyddid Cottages	B
58 North of Coed Leision	B
59 West of Newydd Stables	B
60 Land near Coed Pen-Brych	B
61 West of Clawdd-Coch Farm	B
62 Coed Waunn-Lloff	B
63 South West of Castell Bach	B
64 Land near Hensol Mill	B
65 Land South of Hafod Y Wennol	B

SINC No./Name	Survey Area
66 Land West of Hensol Mill	B
67 Hafod Y Wennol	B
68 Hensol Lake	B
69 Mill Ponds	B
70 Coed Fros-Ceibr	B
71 South West of Dyffryn Bach	B
72 North West of Dyffryn Mawr Farm	B
73 Coed Cadw	B
74 North of Pendoylan Moors	B
75 Land near Gwern y Gae Isaf	B
76 Land North of Brooklands Farm	B
77 West of Markswood	B
78 Land South of Oakfield	B
79 Land South of Glenholme	B
80 Maendy Farm	B
81 South West of Parc Coed Machen	B
82 South West of The Paddocks	B
83 North West of Hillfields Farm	B
84 Land by St y-Nyll Ponds	B
85 North of Palla Farm	B
86 South of Forty Farm	B
87 North Ogmore by Sea	C
88 Land by Ogmore River	C
89 Pant Norton	C
90 Craig Ddu	C
91 Ogmore Down	C
92 Pant Mari Flanders	C
94 Alun Valley	C
95 Cwm Alun	C
96 Ewenny Estuary Saltmarsh	C
97 Pwlllywrach Farm	C
98 Slon Lane Grassland	C
99 Gerddi	D
100 Coed y Parc	A
101 Land to South West of Coed y Stanby	A
102 Violet Bed	A

SINC No./Name	Survey Area
103 Coed y Castell	A
104 Beech Clump	A
105 West of Trebettyn	A
106 Amelia Trust Woodland Pond	E
107 Amelia Trust Dew Pond	E
108 Land at Trerhyngyll	G
109 North Caercady	B
110 South Caercady	B
111 West of Ty Mynydd	B
112 North of Welsh St Donats	B
113 Land North of Ty'r-Mynydd	B
114 Land adjacent to Ty'r-Mynydd	B
115 East of Penfford	B
116 Land West of Hensol Forest	B
117 Land adjacent to Forester's House	B
118 Mill Pond	B
119 Warren Mill Farm Park	B
120 West of Warren Mill Farm Park	B
121 Coed Counsellor	B
122 Land at Pendoylan Moors	B
123 East of Ty'n-y-Pwll	B
124 North West of Croes-y-Parc Baptist Chapel	B
125 Gwern-y-Steeple	B
126 Coed Pen-y-ffordd-fawr	B
127 Kingsland	B
128 East of Kingsland	B
129 East of Homri Farm	B
130 East of Glyncory Water Works	B
131 Land South West of Ffordd Cottages	B
132 Coed Quinnet	E
133 Land near Ffordd Cottages	B
134 Land South East of Ffordd Cottages	B
135 Land North of Coedarhydyglyn	B
136 North of Castle Farm	B
137 Penlline Moor Wood	A
138 Pant y Groes	C

SINC No./Name	Survey Area
139 Pwll y Mer	C
140 Land South of Pont Fach	C
141 Clemenstone Brook	C
142 Land to the West of Tynewydd	C
143 Church Farm	C
144 Franklen Farm	C
145 Land South of Parcau Farm	C
146 Land North West of Stembridge Farm	C
147 Ty-Draw South of Colwinston	C
148 Wenvoe Castle Front Lawn Pond	E
149 Hilton Plantations	C
150 Bears Wood	E
151 South West of Llysworney	C
152 Pond 11 Biglis Moors	F
153 Pwll Erw-Naw	F
154 North of Cog Moors	F
155 Manor Gardens	D
156 West of Llysworney	D
157 Land North of Limefield House	D
158 Llanblethian Hill Down	D
159 Land to South West of Llanblethian	D
160 Coed y Castell	D
161 Coed Bach	D
162 Land West of Cowbridge Comprehensive School	G
163 Llanquian Wood	B
164 Land South of Whitefield Farm	B
165 Land along Nant Aberthin	B
166 Long Grove	D
167 Coed y Seler	D
168 Ravenswood	B
169 Gaer Wood	B
170 Log Wood	B
171 Cottrell Wood	B
172 Coed y Lan	E
173 Redland Wood	E
174 Betty Lucas Wood	E

SINC No./Name	Survey Area
175 Coed y Cwm	E
176 Land along River Waycock	E
177 Land at Winchpit	E
178 Land North West of Coed Nant Bran	E
179 Coed Nant-Bran	E
180 Beechwood	E
181 West of White Hall	E
182 Wenvoe Orchid Field	E
183 East of Wenvoe Orchid Field	E
184 The Downs	E
185 Coed y Cymdda	F
186 Coed y Ddyluan	F
187 West Hill Wood	F
188 Factory Wood	F
189 Reservoir Wood	F
190 Dunraven Park	C
191 Cwm Mawr	C
192 Land at Sutton	C
193 Land North of Ty-Newydd Farm	D
194 Factory Brook	D
195 Ruff Moor	D
196 Land South of Ruff Moor	D
197 Land South-East of Llanmihangel	D
198 Coed y Pentre	D
199 South of Brookside Farm	D
200 Land near Ffynnon Math Lwdd	D
201 Land to West of Coed y Pentre	D
202 Crookland Gorse	D
203 Land along Nant Llanmihangel	D
204 Dinas Powys Castle Woodland	F
205 Coed y Grabla	D
206 Coed y Seler	D
207 Coed yr Arglwydd	D
208 Coed y Gellast	D
209 Coed Francis	D
210 Land to West of Pen-Matn	D

SINC No./Name	Survey Area
211 Coed Hills	D
212 Coed Arthur	D
213 North of the Garn	D
214 Land North of Llanvithyn Farm	E
215 North West of Garnllwyd Farm	E
216 Land along Nant Llancarfan	E
217 Land South of Ty'n-y-Coed	E
218 Coed Quinnet	E
219 West of Coed Quinnet	E
220 Land South of Blackland Farm	E
221 Land North of Whitton Rosser Farm	E
222 Land North West of Whitton Rosser Farm	E
223 Brook Wood	E
224 Coed Sion Hywel	E
225 Coed y Graig	E
226 Land North of Little Hamston Farm	E
227 Land South of Little Hamston	E
228 Land to West of Dyffryn	E
229 East of Dyffryn Springs	E
230 Great Hamston	E
231 Dyffryn Golwch	E
232 Dyffryn Gardens	E
233 Land to North of Dyffryn	E
234 Land along Nant Bran	E
235 Coed Maesyfelin	E
236 Goldsland Farm Pond	E
237 Wenvoe Wood	E
238 East of Little Oaks	F
239 Aberthin Field	B
240 Land by Winstone Brook	F
241 Coed Ysgubor-Goch	F
242 Coed Clwyd-Gwyn South West of Michaelston le Pit	F
243 Coed Twyncyn	F
244 Case Hill Wood	F
245 Cwm Cewydd	C
246 Clawd y Mynach	C

SINC No./Name	Survey Area
247 Glan-y-mor Pond	C
248 Sealands Farm Pond	C
249 Beacon Towers Field and Pond	C
250 East of Meadowvale Nursery	D
251 Frampton Court Farm	D
252 East Flemingston	D
253 Land North of Llanbydderi Moor	D
254 Land to the South of Treguff Cottage	D
255 Coed y Colwn	D
256 Land West of Llandbydderi Moor	D
257 North Pant y Coed	D
258 South Pant y Coed	D
259 Land South West of Pant y Coed	D
260 East Pant y Coed	D
261 Land South West of Llanbethery	D
262 West of Ty-to-Maen	E
263 Land West of Llancarfan	E
264 Land North of Llancarfan	E
265 Land North East of Llancarfan	E
266 Land off Pancross Farm	E
267 Land West of Pen Onn Farm	E
268 Land West of Pen-Doines	E
269 Pen-Doines	E
270 Land North of Penmark	E
271 Land to North East of Penmark	E
272 Land North of Pen Onn Farm	E
273 South East Llancarfan	E
274 Ford Farm	E
275 Cwm Flaxland	E
276 Land North of Broomwell	E
277 Coed y Cwm	E
278 Breach Wood	E
279 Land North of Coed y Cwm	E
280 Land North of Flaxlands	E
281 Land to west of Northcliff Farm	E
282 Coed Garw	E

SINC No./Name	Survey Area
283 Sutton Wood	E
284 North West of Welsh Hawking Centre	E
285 West of Barry College	E
286 North of Highlight Farm	E
287 Land at Nant Bryhill	E
288 Brynhill	E
289 Fields at Merthyr Dyfan	E
290 Land North of Port News	E
291 Land West of Windrush	E
292 North West of Pencoedtre Wood	E
293 West of Pencoedtre Wood	E
294 Dinas Powys Moors	F
295 Shortlands Wood	F
296 North of Pop Hill	F
297 Cross Common	F
298 Pop Hill	F
299 Cog Moors	F
300 Cogan Pond	F
301 Cosmeston Lakes	F
302 Cwm Marcroes	C
303 Wood at St Donat's	C
304 Cwm Tresilian	C
305 West of Cwm Colhuw	C
306 Cwm Colhuw	C
307 East Orchard Wood	D
308 Oxmoor Wood	D
309 Ox Moor	D
310 Coed Llancadle	D
311 Lower Thaw Valley	D
312 North of Aberthaw Cement Works	D
313 Land adjacent to Burton Plantation	D
314 Land South of Llancadle	D
315 Llancadle	D
316 East Aberthaw Former Quarry	D
317 Llancadle Gorse	D
318 Land adjacent to Kenson Wood	D

SINC No./Name	Survey Area
319 Kenson Wood	D
320 Castle Wood	D
321 Cliff Wood	E
322 Land South of Penmark	E
323 Land South West of Curnix Farm	E
324 Land South of Curnix Farm	E
325 Curnix Farm	E
326 Church Hill Wood	E
327 Land North of Blackton Farm	E
328 North West Bullhouse Brook	E
329 North Bullhouse Brook	E
330 West of The Old Rectory	E
331 Knock Man Down Wood	E
332 North East of Knock Man Down Wood	E
333 South of Cwm Ciddy Farm	E
335 North Cwm Barri	E
336 Walters Farm	E
337 Cadoxton Wetlands	E
338 Cadoxton River	E
339 North of North Road	E
341 Ty-r-Orsaf	F
342 Lavernock Point East	F
343 Water Lane Ponds	C
344 Highfield Farm Dew Pond 2	C
345 Summerhouse Bay West	C
346 Sutton Road Pond	C
347 Dyffryn Business Park Pond	D
348 Coast at Aberthaw Power Station	C
349 The Walls at Aberthaw	C
350 Land at East Aberthaw	D
351 Font-y-Gary	E
352 Rhoose Point	E
353 South West of Church Farm	E
354 East of Lower Porthkerry	E
355 Flaxland Pond	E
356 Welsh St Donats Village Pond	B

SINC No./Name	Survey Area
357 Friars Point	E
358 Nell's Point East	E
359 Coed Lawn	B
360 Leckwith Woods	F
361 Downs Wood	F
362 Goldsland Wood	E
363 Coed Uchaf	B
cSINC 1 Fonmon verge B4265	D
cSINC 2 Ham Wood Llantwit Major	C
cSINC 3 Hoddnant Brook Wood 1 - Llantwit Major	C
cSINC 4 Hoddnant Brook Wood 2 - Llantwit Major	C
cSINC 5 Land south of Penmark adj SINC 322	E
cSINC 6 Grassland near Flaxlands Llancarfan	E
cSINC 7 Kenson Bridge Grassland 1 - Barrenhill	D
cSINC 8 Kenson Bridge Grassland 2 - Barrenhill	D
cSINC 9 Llancarfan Grasslands - Penn Onn	E
cSINC 10 Cwm Colhuw extension, Llantwit Major	C
cSINC 11 Barry Abandoned Sports Field	E

Table 3: Example of completed proforma for SINC 316 – East Aberthaw Former Quarry

Vale of Glamorgan – Review of Priority Habitats and SINC's 2023	
SINC ID or Site number: 316	Site name: East Aberthaw Former Quarry
Central Grid reference: ST 03193 67166 Survey date: 16-06-2023	
Summary description <p>Open area of dry species-rich calcareous grassland, enclosed by dense scrub. Very dry at time of current survey with most botanical interest restricted to grassland fringe/scrub edge. Grassland dominated by quaking grass, yellow oat grass and upright brome with frequent pyramidal orchid, lady's bedstraw, stinking iris and common bird's foot trefoil.</p> <p>Overgrazed by rabbits – some disturbance from human use.</p>	
Habitat basis of SINC designation (from 2009): <p>Calcareous grassland D48-G7</p>	
Are Qualifying Habitats still present 2023: (YES/NO) <p>YES</p>	
Current management (Summary Description): <p>None. Some litter/signs of use for campfires/burning</p> Condition or Threats to Habitat (e.g. Ash dieback, over grazing, lack of grazing): <p>Overgrazing from rabbits</p> <p>INNS – cotoneaster</p> Enhancement Opportunities (e.g. via management) : <p>Removal of INNS</p>	
Pond or Running Water Present? (YES/NO) <p>Summary description (for Ponds see Page 2):</p> <p>NO</p>	

Species list for SINC assessment (include Dominant species, SINC Indicator species)

Quaking grass, upright brome, yellow oat grass, glaucous sedge, common bird's foot trefoil, pyramidal orchid, ox-eye daisy, lady's bedstraw, stinking iris, perforate St. john's-wort, yellow wort, agrimony, cowslip, creeping cinquefoil, common ragwort, mouse-ear hawkweed, selfheal, common ivy, vetch, cock's foot, fescue, sweet vernal grass, hart's tongue, maidenhair spleenwort.

Scattered stands of dog rose and hawthorn as well as non-native cotoneaster (at least 2no. species present including wall cotoneaster).

11/8 indicator species for SINC calcareous grassland.

Fauna observations:

n/a

If pond present:

Pond Area (m²):

Shading % to perimeter:

Water Fowl Present:

Fish Present:

% Macrophyte Cover:

Additional Information

3.0 RESULTS

Overview

- 3.1 The collated results of the SINC validation surveys undertaken in each Survey Area are summarised in the following sections. A complete list of survey proformas for each SINC assessment will be provided separately in digital format to the VoG.
- 3.2 Over the course of the survey period, a total of 357⁴no. SINC^s and 11no. cSINC^s were subject to a walkover survey and re-assessed against SINC criteria (368no. in total). Out of all the sites surveyed a total of 335no. were still considered to meet minimum SINC criteria (or 94% of all sites surveyed). A total of 33no. sites were not considered to meet SINC criteria. As discussed in section 2.9, SINC^s 141, 310 and 313 were inaccessible and assigned 'No Access'.
- 3.3 A summary plan illustrating the status of SINC^s is included in Appendix II with sites assigned 'Yes' (i.e., still considered to meet SINC criteria) shown in green, sites assigned 'No' shown in red and sites with 'No Access' shown in blue.

Area A

- 3.4 Survey Area A is located in the north west of the county (to the north and west of Cowbridge) and primarily comprised woodland and grassland habitats near Treoes, Ruthin, Penllyn and Graig Penllyn. The area included a total of 38no. existing SINC^s. No candidate sites are located within the area.
- 3.5 The survey work identified that 35no. sites were still considered to meet SINC criteria, as summarised in Table A. SINC^s 35, 39 and 101 were no longer considered to meet minimum criteria for neutral or marshy grassland. All woodland habitats within the area were still considered to meet the selection criteria for SINC selection.
- 3.6 The surveyor for area A also noted recommended changes to the boundaries of a number of SINC^s based on the new survey information, as well as recommendations to combine sites which are ecologically connected and located within close proximity together as a single SINC. These recommendations are included in Appendix III.

⁴ No access to 3no. SINC^s
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Table A: Summary of SINC assessments within Survey Area A.

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
1	A	Craig Tan-y-Lan	A1W1	Broadleaved Woodland	09/08/2023	PS	Yes
2	A	South of Tyla Gwyn	A2W2	Broadleaved Woodland	09/08/2023	PS	Yes
3	A	Cae Coed	A2W3	Broadleaved Woodland	09/08/2023	PS	Yes
4	A	North of Cae Coed	A2D1	Neutral (Lowland Meadows)	09/08/2023	PS	Yes
5	A	Ffynnon y Dera	A2W1	Broadleaved Woodland	09/08/2023	PS	Yes
6	A	Penymynydd	A2O1	Neutral (Lowland Meadows)	03/08/2023	PS	Yes
7	A	Ruthin Fach Farm	A2W6	Broadleaved Woodland	09/08/2023	PS	Yes
8	A	Coed Mawr	A2W7	Broadleaved Woodland	09/08/2023	PS	Yes
9	A	Land to East of Mynydd Ruthin	A2W11	Broadleaved Woodland	01/08/2023	PS	Yes
10	A	Mynydd Ruthin	A2D3	Neutral (Lowland Meadows) and Calcareous (Lowland calcareous grassland)	01/08/2023	PS	Yes
11	A	Land South of Mynydd Ruthin	A2D2	Calcareous (Lowland calcareous grassland)	01/08/2023	PS	Yes
12	A	North West of Pant-y-Lliwydd Farm	A2D4	Calcareous (Lowland calcareous grassland)	03/08/2023	PS	Yes
13	A	Coed Breigam	A2W12	Broadleaved Woodland	03/08/2023	PS	Yes
14	A	Coed y Brynau	A2W13	Broadleaved Woodland	01/08/2023	PS	Yes
16	A	Pond North of Cae-Rhys-Ddu	A2P1	Pond	10/08/2023	PS	Yes
17	A	Coed Pant-Llywydd	A2W10	Broadleaved Woodland	03/08/2023	PS	Yes
33	A	Land South of Moor Mill	A7O3	Marshy Grassland	01/08/2023	PS	Yes
34	A	North West of Court Farm	A7F3	Marshy Grassland	01/08/2023	PS	Yes
35	A	Land North East of Newland	A7WG1	Marshy Grassland	01/08/2023	PS	No
36	A	Land West of Llangan	A7F2	Marshy Grassland	01/08/2023	PS	Yes
37	A	Land North of Llangan	A7O1	Neutral (Lowland Meadows)	01/08/2023	PS	Yes
38	A	Coed Mansel	A8W5	Broadleaved Woodland	10/08/2023	PS	Yes
39	A	Land to East of Coed PantLlywydd	A8O1	Marshy Grassland	03/08/2023	PS	No
40	A	Coed y Graig	A8W6	Broadleaved Woodland	15/08/2023	PS	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
42	A	Coed y Stanby	A8W9	Broadleaved Woodland	15/08/2023	PS	Yes
43	A	Ham Wood	A8W7	Broadleaved Woodland	15/08/2023	PS	Yes
44	A	Land to North West of the Old Mill	A8W8	Broadleaved Woodland	15/08/2023	PS	Yes
45	A	Penllyn Fish Ponds	A8P1	Marshy Grassland	22/08/2023	PS	Yes
46	A	Llansannor Wood	A8W4	Broadleaved Woodland	10/08/2023	PS	Yes
47	A	Coed y Graig	A8W3	Broadleaved Woodland	10/08/2023	PS	Yes
48	A	South West of King Coed	A8D1	Calcareous (Lowland calcareous grassland)	15/08/2023	PS	Yes
100	A	Coed y Parc	A15W2	Broadleaved Woodland	21/08/2023	PS	Yes
101	A	Land to South West of Coed y Stanby	A15WG1	Neutral (Lowland Meadows)	15/08/2023	PS	No
102	A	Violet Bed	A15W4	Broadleaved Woodland	14/08/2023	PS	Yes
103	A	Coed y Castell	A15W3	Broadleaved Woodland	15/08/2023	PS	Yes
104	A	Beech Clump	A15W6	Broadleaved Woodland	15/08/2023	PS	Yes
105	A	West of Trebetyrn	A15F3	Marshy Grassland & Scrub Communities	21/08/2023	PS	Yes
137	A	Penline Moor Wood	N/A	Broadleaved Woodland	21/08/2023	PS	Yes

Area B

- 3.7 Survey Area B included the land to the east of Area A and incorporated the settlements of Pendoylan, Welsh St. Donats, Hensol, Peterston-super-Ely and St. Brides-super-Ely. A total of 79no. existing SINC's were surveyed within Area B including a combination of woodland, marshy grassland and pond habitats. No candidate sites are located within the area.
- 3.8 The survey work identified that 74no. sites were still considered to meet SINC selection criteria, as summarised in Table B. A total of 5no. SINC's were no longer considered to meet the minimum criteria for SINC selection. This included SINC's 23, 72, 115, 116 and 239.
- 3.9 The surveyor for area B also noted recommended changes to the boundaries of a number of SINC's based on the new survey information. These recommendations are included in Appendix IV.

Table B: Summary of SINC assessments within Survey Area B.

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
21	B	Fforest Fach Farm	3-8-G1	Marshy Grassland	07/08/2023	SP	Yes
22	B	Land West of Llanfarach Farm	4-4-W1	Broadleaved Woodland	26/07/2023	SP	Yes
23	B	Land South West of Llanfarach Farm	B4R1	Pond	26/07/2023	SP	No
24	B	Land between M4 and Industrial Estate	4-6-W1	Broadleaved Woodland	26/07/2023	SP	Yes
25	B	Land South of Llanfarach Farm 2	4-6-G1	Marshy Grassland	26/07/2023	SP	Yes
26	B	Land West of Ty Newydd Farm	4-8-G1	Marshy Grassland	26/07/2023	SP	Yes
27	B	North of Gwern-y-Gedrych	4-6-W2	Broadleaved Woodland	26/07/2023	SP	Yes
53	B	Coed Wern-Fawr	9-5-G1	Marshy Grassland	08/08/2023	SP	Yes
54	B	Coed Cattwg-Glas	9-7-W1	Broadleaved Woodland	08/08/2023	SP	Yes
55	B	Llwyn-yoy Pond	B9R1	Pond	08/08/2023	SP	Yes
56	B	Coed Llwyn-Rhyddid	10-2-W1	Broadleaved Woodland	08/08/2023	SP	Yes
57	B	South East of Llwyn-Rhyddid Cottages	10-2-W2	Broadleaved Woodland	09/08/2023	SP	Yes
58	B	North of Coed Leision	10-2-G1	Neutral (Lowland Meadows)	09/08/2023	SP	Yes
59	B	West of Newydd Stables	10-2-G2	Marshy Grassland	09/09/2023	SP	Yes
60	B	Land near Coed Pen-Brych	10-4-W4	Broadleaved Woodland	08/08/2023	SP	Yes
61	B	West of Clawdd-Coch Farm	10-4-W1	Broadleaved Woodland	04/08/2023	SP	Yes
62	B	Coed Waunn-Lloff	10-3-W4	Broadleaved Woodland	07/08/2023	SP	Yes
63	B	South West of Castell Bach	10-3-W2	Broadleaved Woodland	07/08/2023	SP	Yes
64	B	Land near Hensol Mill	10-3-W5	Broadleaved Woodland	07/08/2023	SP	Yes
65	B	Land South of Hafod Y Wennol	10-1-G1	Marshy Grassland	07/08/2023	SP	Yes
66	B	Land West of Hensol Mill	10-3-G1	Marshy Grassland	07/08/2023	SP	Yes
67	B	Hafod Y Wennol	10-3-W1	Broadleaved Woodland	08/08/2023	SP	Yes
68	B	Hensol Lake	B10P1	Pond Lake	08/08/2023	SP	Yes
69	B	Mill Ponds	B10R1	Fens, Reedbeds and Other Swamps	08/08/2023	SP	Yes
70	B	Coed Fros-Ceibr	10-3-W3	Broadleaved Woodland	07/08/2023	SP	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
71	B	South West of Dyffryn Bach	10-5-W2	Broadleaved Woodland	07/08/2023	SP	Yes
72	B	North West of Dyffryn Mawr Farm	B10F1	Marshy Grassland	07/08/2023	SP	No
73	B	Coed Cadw	10-4-W2	Broadleaved Woodland	04/08/2023	SP	Yes
74	B	North of Pendoylan Moors	10-6-W1	Broadleaved Woodland	04/08/2023	SP	Yes
75	B	Land near Gwern y Gae Isaf	10-6-W2	Broadleaved Woodland	04/08/2023	SP	Yes
76	B	Land North of Brooklands Farm	10-5-W1	Broadleaved Woodland	04/08/2023	SP	Yes
77	B	West of Markswood	10-7-W1	Broadleaved Woodland	04/08/2023	SP	Yes
78	B	Land South of Oakfield	10-7-G1	Marshy Grassland	04/08/2023	SP	Yes
79	B	Land South of Glenholme	10-8-W1	Broadleaved Woodland	27/07/2023	SP	Yes
80	B	Maendy Farm	11-1-W4	Broadleaved Woodland	27/07/2023	SP	Yes
81	B	South West of Parc Coed Machen	11-1-G1	Neutral (Lowland Meadows)	27/07/2023	SP	Yes
82	B	South West of The Paddocks	11-1-W3	Broadleaved Woodland	27/07/2023	SP	Yes
83	B	North West of Hillfields Farm	11-1-G2	Neutral (Lowland Meadows)	27/07/2023	SP	Yes
84	B	Land by St y-Nyll Ponds	11-1-W2	Broadleaved Woodland	26/07/2023	SP	Yes
85	B	North of Palla Farm	11-1-W1	Broadleaved Woodland	26/07/2023	SP	Yes
86	B	South of Forty Farm	11-4-W1	Broadleaved Woodland	27/07/2023	SP	Yes
109	B	North Caercady	16-5-G5	Marshy Grassland	09/08/2023	SP	Yes
110	B	South Caercady	16-5-W1	Broadleaved Woodland	09/08/2023	SP	Yes
111	B	West of Ty Mynydd	16-5-G3	Marshy Grassland	09/09/2023	SP	Yes
112	B	North of Welsh St Donats	16-5-G4	Marshy Grassland	09/09/2023	SP	Yes
113	B	Land North of Ty'r-Mynydd	16-7-G2	Marshy Grassland	09/08/2023	SP	Yes
114	B	Land adjacent to Ty'r-Mynydd	16-7-G1	Marshy Grassland	09/08/2023	SP	Yes
115	B	East of Penfford	16-8-G2	Marshy Grassland	11/08/2023	SP	No
116	B	Land West of Hensol Forest	16-8-G1	Marshy Grassland	11/08/2023	SP	No
117	B	Land adjacent to Forester's House	17-2-W1	Broadleaved Woodland	11/08/2023	SP	Yes
118	B	Mill Pond	B17P1	Pond	22/08/2023	SP	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
119	B	Warren Mill Farm Park	17-4-G2	Marshy Grassland Neutral (Lowland Meadows)	22/08/2023	SP	Yes
120	B	West of Warren Mill Farm Park	17-4-G1	Neutral (Lowland Meadows)	22/08/2023	SP	Yes
121	B	Coed Counsellor	17-4-W1	Broadleaved Woodland	22/08/2023	SP	Yes
122	B	Land at Pendoylan Moors	17-5-G2	Marshy Grassland	04/08/2023	SP	Yes
123	B	East of Ty'n-y-Pwll	17-8-G1	Marshy Grassland	22/08/2023	SP	Yes
124	B	North West of Croes-y-Parc Baptist Chapel	17-8-G2	Neutral (Lowland Meadows)	22/08/2023	SP	Yes
125	B	Gwern-y-Steeple	17-8-W1	Broadleaved Woodland	22/08/2023	SP	Yes
126	B	Coed Pen-y-ffordd-fawr	N/A	Broadleaved Woodland	11/08/2023	SP	Yes
127	B	Kingsland	18-2-W1	Broadleaved Woodland	23/08/2023	SP	Yes
128	B	East of Kingsland	18-2-W2	Broadleaved Woodland	23/08/2023	SP	Yes
129	B	East of Homri Farm	18-4-W4	Broadleaved Woodland	23/08/2023	SP	Yes
130	B	East of Glyncory Water Works	18-4-W2	Broadleaved Woodland	23/08/2023	SP	Yes
131	B	Land South West of Ffordd Cottages	B18F1	Marshy Grassland	23/08/2023	SP	Yes
133	B	Land near Ffordd Cottages	18-4-W1 b	Broadleaved Woodland	24/08/2023	SP	Yes
134	B	Land South East of Ffordd Cottages	18-6-G1	Marshy Grassland	24/08/2023	SP	Yes
135	B	Land North of Coedarhydyglyn	18-6-W1	Broadleaved Woodland	24/08/2023	SP	Yes
136	B	North of Castle Farm	18-3-W1	Broadleaved Woodland	27/07/2023	SP	Yes
163	B	Llanquian Wood	24-5-W1	Broadleaved Woodland	11/08/2023	SP	Yes
164	B	Land South of Whitefield Farm	24-3-G1	Neutral (Lowland Meadows)	11/08/2023	SP	Yes
165	B	Land along Nant Aberthin	B24P1	Pond	11/08/2023	SP	Yes
168	B	Ravenswood	B25P1	Pond	22/08/2023	SP	Yes
169	B	Gaer Wood	25-5-W1	Broadleaved Woodland	23/08/2023	SP	Yes
170	B	Log Wood	25-7-W2	Broadleaved Woodland	23/08/2023	SP	Yes
171	B	Cottrell Wood	25-7-W1	Broadleaved Woodland	23/08/2023	SP	Yes
239	B	Aberthin Field	N/A	Neutral (Lowland Meadows)	11/08/2023	SP	No
356	B	Welsh St Donats Village Pond	N/A	Pond supporting amphibian assemblage including GCN	09/08/2023	SP	Yes*

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
359	B	Coed Lawn	N/A	Broadleaved Woodland	24/08/2023	SP	Yes
363	B	Coed Uchaf	N/A	Broadleaved Woodland	23/08/2023	SP	Yes

*Denotes SINC currently designated for species criteria.

Area C

- 3.10 Survey Area C comprises the largest geographical area within the study and covered the geographical region between Ewenny to the north and Llantwit Major to the south, including villages in between such as Corntown, Colwinston, Llysworney, Wick, St. Donats, Monkash, Llandow, St Brides Major, Dunraven, Ogmere and Ogmere-by-Sea. The area included a total of 47no. existing SINCS and 4no. proposed cSINCS, comprising a mixture of broad-leaved woodland, grassland and coastal habitats e.g., coastal vegetated shingle.
- 3.11 The survey work identified that 41no. sites were still considered to meet minimum SINC criteria, with 4no. candidate sites also considered to meet SINC criteria, as summarised in Table C. A total of 5no. existing SINCS were no longer considered to meet the minimum criteria for SINC selection. With no access to 1no. site (SINC 141: Clemenstone Brook).
- 3.12 Some previously species-rich grassland habitats (identified within the 2009 survey) within Area C were no longer considered to meet the SINC criteria and due to a change in land use change and improvement of the grassland sward e.g., SINCS 140, 142 and 246. Woodlands within the survey area no longer considered to meet the SINC criteria were found to support a very limited number of SINC indicator species.
- 3.13 The most notable SINC sites within Area C comprised SINCS 30, 31, 145, where marshy grassland was the dominant designation – these sites were both species-rich and considered highly valuable to local wildlife e.g., priority invertebrates. Out of broad-leaved woodlands, SINCS 94 and 95 were considered the richest in diversity and represented the largest woodland parcels within the survey areas. The two woodland parcels are well-connected and were considered to have the potential to support protected and priority species including bats, dormice, otter and [REDACTED] as well reptiles and amphibians.
- 3.14 Attention should be brought to Ogmere complex, where previously designated species-rich calcareous grassland is being lost to bracken overdominance and increased pressure from wild rabbit grazing (see SINCS 88 and 98). These sites are likely to require management in the short-term to maintain qualifying habitats – see survey proformas for management recommendations.

Table C: Summary of SINC assessments within Survey Area C.

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
28	C	King's Wood	C6-W3	Broadleaved Woodland	14/06/2023	DC	Yes
29	C	Long Wood	C6-W6	Broadleaved Woodland	15/06/2023	DC	Yes
30	C	South of Long Wood	C6-PMG1	Marshy Grassland	15/06/2023	DC	Yes
31	C	North of Corntown	C6-LM2	Marshy Grassland and Neutral (Lowland Meadows)	15/06/2023	DC	Yes
32	C	Cottage Wood	C7-W4	Broadleaved Woodland	15/06/2023	DC	Yes
87	C	North Ogmere by Sea	C12-S1	Scrub Communities	22/06/2023	DC	Yes
88	C	Land by Ogmere River	C12-CG2	Calcareous (Lowland calcareous grassland)	22/06/2023	DC	Yes
89	C	Pant Norton	C12-CG1	Calcareous (Lowland calcareous grassland)	27/07/2023	DC	Yes
90	C	Craig Ddu	C12-W1	Broadleaved Woodland	22/06/2023	DC	Yes
91	C	Ogmere Down	C13-CG1	Calcareous (Lowland calcareous grassland)	27/07/2023	DC	Yes
92	C	Pant Mari Flanders	C13-RO1	Rock Exposures	27/07/2023	DC	Yes
94	C	Alun Valley	C13-W4	Broadleaved Woodland	26/07/2023	DC	Yes
95	C	Cwm Alun	C13-W6	Broadleaved Woodland	26/07/2023	DC	Yes
96	C	Ewenny Estuary Saltmarsh	N/A	Coastal Habitats (Coastal Saltmarsh)	22/06/2023	DC	Yes
97	C	Pwllwyrach Farm	C14-W3	Broadleaved Woodland	29/09/2023	DC	No
98	C	Slon Lane Grassland	N/A	Calcareous (Lowland calcareous grassland)	22/06/2023	DC	Yes
138	C	Pant y Groes	C21-W3	Broadleaved Woodland	19/07/2023	DC	Yes
139	C	Pwll y Mer	C21-P1	Fens, Reedbeds and Other Swamps	19/07/2023	DC	Yes
140	C	Land South of Pont Fach	C21-LM1	Neutral (Lowland Meadows)	19/07/2023	DC	No
141	C	Clemenstone Brook	C22-LM1	Neutral (Lowland Meadows)	No Access	DC	No Access
142	C	Land to the West of Tynewydd	C22-LM2	Marshy Grassland	19/07/2023	DC	No
143	C	Church Farm	C22-W3	Broadleaved Woodland	09/08/2023	DC	Yes
144	C	Franken Farm	C22-W2	Broadleaved Woodland	09/08/2023	DC	Yes
145	C	Land South of Parcau Farm	C22-PMG1	Marshy Grassland	09/08/2023	DC	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
146	C	Land North West of Stembridge Farm	C22-W11	Broadleaved Woodland	09/08/2023	DC	Yes
147	C	Ty-Draw South of Colwinston	C22-W9	Broadleaved Woodland	23/08/2023	DC	No
149	C	Hilton Plantations	C22-W10	Broadleaved Woodland	23/08/2023	DC	Yes
151	C	South West of Llysworney	C23-W3	Broadleaved Woodland	23/08/2023	DC	Yes
190	C	Dunraven Park	C29-W1	Broadleaved Woodland	17/08/2023	DC	Yes
191	C	Cwm Mawr	C29-W2	Broadleaved Woodland	17/08/2023	DC	Yes
192	C	Land at Sutton	C30-W2	Broadleaved Woodland	26/09/2023	DC	Yes
245	C	Cwm Cewydd	C37-W1	Broadleaved Woodland	21/08/2023	DC	Yes
246	C	Clawd y Mynach	C37-S1	Arable Field Margins	21/08/2023	DC	No
247	C	Glan-y-mor Pond	C37-CG1	Pond supporting assemblage of amphibians including breeding GCNs	29/09/2023	DC	Yes*
248	C	Sealands Farm Pond	N/A	Pond supporting breeding GCN	21/08/2023	DC	Yes*
249	C	Beacon Towers Field and Pond	N/A	Neutral (Lowland Meadows) and Pond supporting breeding GCN	21/08/2023	DC	Yes*
302	C	Cwm Marcroes	C45-W1	Broadleaved Woodland	07/08/2023	DC	Yes
303	C	Wood at St Donat's	C46-W1	Broadleaved Woodland	07/08/2023	DC	Yes
304	C	Cwm Tresilian	C46-W5	Broadleaved Woodland	07/08/2023	DC	Yes
305	C	West of Cwm Colhuw	C47-S1	Scrub Communities	07/08/2023	DC	Yes
306	C	Cwm Colhuw	C47-S2	Scrub Communities	07/08/2023	DC	Yes
343	C	Water Lane Ponds	N/A	Pond supporting breeding GCN	24/08/2023	DC	Yes*
344	C	Highfield Farm Dew Pond 2	N/A	Pond supporting breeding GCN	24/08/2023	DC	Yes*
345	C	Summerhouse Bay West	C53-W1	Broadleaved Woodland	24/08/2023	DC	Yes
346	C	Sutton Road Pond	N/A	Pond supporting breeding GCN	29/09/2023	DC	Yes*
348	C	Coast at Aberthaw Power Station	C54-CVS1	Coastal Habitats (Coastal Vegetated Shingle)	24/08/2023	DC	Yes
349	C	The Walls at Aberthaw	C54-CG1	Calcareous (Lowland calcareous grassland) and Coastal Habitats (Coastal Saltmarsh)	24/08/2023	DC	Yes
cSINC 2	C	Ham Wood Llantwit Major	N/A	Broadleaved Woodland	15/09/2023	DC	Yes
cSINC 3	C	Hoddnant Brook Wood 1 - Llantwit Major	N/A	Broadleaved Woodland	15/09/2023	DC	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
cSINC 4	C	Hoddnant Brook Wood 2 - Llantwit Major	N/A	Broadleaved Woodland	15/09/2023	DC	Yes
cSINC 10	C	Cwm Colhuw Extension, Llantwit Major	N/A	Calcareous (Lowland calcareous grassland)	15/09/2023	DC	Yes

*Denotes SINC's currently designated for species criteria.

Area D

- 3.15 Survey Area D covered the geographical region between Cowbridge and St Athan, including villages at Aberthaw, Llancadle, Llanbethery, Llandough, Treguff and St. Hillary. The area included a total of 58no. existing SINCS and 3no. proposed cSINCs, comprising a mixture of broad-leaved woodland, grassland and coastal grazing marsh habitats. The majority of SINCs within the area were located along the Thaw and Kenson River valleys.
- 3.16 The survey work identified that 48no. sites were still considered to meet SINC criteria, with 2no. candidate sites also considered to meet SINC criteria, as summarised in Table D. A total of 9no. existing SINCs were no longer considered to meet the minimum criteria for SINC selection. The proposed cSINC at Kenson Bridge Grassland 2 – Barrenhill was also not considered to meet SINC criteria. No access was available to SINCs 310 and 313 (gated sites which landowner refused access). Table D also noted any recommended changes to the designated features of each SINC within the survey area.
- 3.17 The surveyor for Area D noted that the grassland and woodland habitats located along the Kenson River valley (forming part of the grounds at Fonmon Castle) to be species-rich and well managed. The habitats were considered likely be an important resource for foraging and commuting bats, hazel dormouse and terrestrial invertebrates. In addition, the survey area contains an extensive area of floodplain and coastal grazing marsh along the River Thaw which is bordered by well-connected parcels of ancient semi-natural woodland near Llandough and St Athan.
- 3.18 SINC 252: East Flemington and SINC 307: East Orchard Wood were also identified as supporting veteran trees. For these sites a change to or additional designation for Parklands, Orchards and Veteran Trees is proposed. Other notable sites within the survey area include SINC 350: Land at East Aberthaw, which supports a combination of neutral and calcareous grassland, mixed scrub and coastal habitats which were all considered to meet SINC criteria, and SINC 254: Land to the South of Treguff Cottage which supports a combination of marshy grassland and reedbed habitats considered to be of importance for breeding waterfowl.

Table D: Summary of SINC assessments within Survey Area D.

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
99	D	Gerddi	D15 W1	Broadleaved Woodland	13/06/2023	DJ	Yes
155	D	Manor Gardens	D23 W7	Broadleaved Woodland	08/06/2023	DJ	No
156	D	West of Llyswoiney	D23 W6	Broadleaved Woodland	13/06/2023	DJ	Yes
157	D	Land North of Limefield House	D23 W5	Broadleaved Woodland	13/06/2023	DJ	Yes
158	D	Llanblethian Hill Down	D23 W4	Broadleaved Woodland	13/06/2023	DJ	Yes
159	D	Land to South West of Llanblethian	D23 W3	Broadleaved Woodland	08/06/2023	DJ	Yes
160	D	Coed y Castell	D23 W1	Broadleaved Woodland	28/06/2023	DJ	Yes
161	D	Coed Bach	D23 W2	Broadleaved Woodland	28/06/2023	DJ	Yes
166	D	Long Grove	D24 W2	Broadleaved Woodland	24/07/2023	DJ	Yes
167	D	Coed y Seler	D24 W1	Broadleaved Woodland	24/07/2023	DJ	Yes
193	D	Land North of Ty-Newydd Farm	D31 W6	Broadleaved Woodland	08/06/2023	DJ	Yes
194	D	Factory Brook	D31 W7	Broadleaved Woodland	08/06/2023	DJ	Yes
195	D	Ruff Moor	D31 W4	Broadleaved Woodland	27/06/2023	DJ	Yes
196	D	Land South of Ruff Moor	D31 G4	Marshy Grassland	27/06/2023	DJ	Yes
197	D	Land South-East of Llanmihangel	D31 G3	Neutral (Lowland Meadows)	27/06/2023	DJ	Yes
198	D	Coed y Pentre	D31 W3	Broadleaved Woodland	20/06/2023	DJ	Yes
199	D	South of Brookside Farm	D31 G6	Neutral (Lowland Meadows)	20/06/2023	DJ	Yes
200	D	Land near Ffynnon Math Lwdd	D31 G7	Neutral (Lowland Meadows)	20/06/2023	DJ	Yes
201	D	Land to West of Coed y Pentre	D31 G8	Neutral (Lowland Meadows)	20/06/2023	DJ	Yes
202	D	Crookland Gorse	D31 W5	Broadleaved Woodland	27/06/2023	DJ	No
203	D	Land along Nant Llanmihangel	D31 G2	Neutral (Lowland Meadows)	27/06/2023	DJ	No
205	D	Coed y Grabla	D31 W1	Broadleaved Woodland	28/06/2023	DJ	Yes
206	D	Coed y Seler	D31 W2	Broadleaved Woodland	28/06/2023	DJ	Yes
207	D	Coed yr Arglwydd	D32 W4	Broadleaved Woodland	24/07/2023	DJ	Yes
208	D	Coed y Gellast	D32 W5	Broadleaved Woodland	24/07/2023	DJ	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
209	D	Coed Francis	D32 W3	Broadleaved Woodland	17/08/2023	DJ	Yes
210	D	Land to West of Pen-Matn	D32 G1	Marshy Grassland	17/08/2023	DJ	No
211	D	Coed Hills	D32 W2	Broadleaved Woodland	17/08/2023	DJ	Yes
212	D	Coed Arthur	D32 W1	Broadleaved Woodland	12/09/2023	DJ	Yes
213	D	North of the Garn	D32 P1	Pond supporting breeding GCN	17/08/2023	DJ	Yes*
250	D	East of Meadowvale Nursery	D39 G1	Marshy Grassland	16/06/2023	DJ	Yes
251	D	Frampton Court Farm	D39 P1	Pond	16/06/2023	DJ	Yes
252	D	East Flemingston	D40 W1	Broadleaved Woodland Parklands, Orchards and Veteran Trees	04/08/2023	DJ	Yes
253	D	Land North of Llanbydderi Moor	D40 G5	Marshy Grassland + Coastal Grazing Marsh	15/09/2023	DJ	Yes
254	D	Land to the South of Treguff Cottage	D40 G4	Marshy Grassland + Fens, Reedbeds and Other Swamps	15/09/2023	DJ	Yes
255	D	Coed y Colwn	D40 W5	Broadleaved Woodland	15/09/2023	DJ	Yes
256	D	Land West of Llandbydderi Moor	D40 W4	Broadleaved Woodland	04/08/2023	DJ	Yes
257	D	North Pant y Coed	D40 W3	Broadleaved Woodland	07/09/2023	DJ	Yes
258	D	South Pant y Coed	D40 W2	Broadleaved Woodland	07/09/2023	DJ	Yes
259	D	Land South West of Pant y Coed	D40 G2	Neutral (Lowland Meadows)	07/09/2023	DJ	Yes
260	D	East Pant y Coed	D40 G3	Neutral (Lowland Meadows)	07/09/2023	DJ	No
261	D	Land South West of Llanbethery	D40 G1	Calcareous (Lowland calcareous grassland)	04/08/2023	DJ	No
307	D	East Orchard Wood	D48 W1	Broadleaved Woodland	07/07/2023	DJ	Yes
308	D	Oxmoor Wood	D48 W2	Broadleaved Woodland + Parklands, Orchards and Veteran Trees	27/07/2023	DJ	Yes
309	D	Ox Moor	D48 G4	Coastal Grazing Marsh	27/07/2023	DJ	Yes
310	D	Coed Llancadle	D48 W3	Broadleaved Woodland	No Access	DJ	No Access
311	D	Lower Thaw Valley	D48 G1	Coastal Grazing Marsh	07/07/2023	DJ	Yes
312	D	North of Aberthaw Cement Works	D48 G2	Neutral (Lowland Meadows) Calcareous (Lowland calcareous grassland)	07/07/2023	DJ	Yes
313	D	Land adjacent to Burton Plantation	D48 G3	Calcareous (Lowland calcareous grassland)	No Access	DJ	No Access
314	D	Land South of Llancadle	D48 G5	Coastal Grazing Marsh Fens, Reedbeds and Other Swamps	19/07/2023	DJ	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
315	D	Llancadle	D48 G6	Neutral (Lowland Meadows) & Calcareous (Lowland calcareous grassland)	12/07/2023	DJ	No
316	D	East Aberthaw Former Quarry	D48 G7	Calcareous (Lowland calcareous grassland)	16/06/2023	DJ	Yes
317	D	Llancadle Gorse	D49 W2	Broadleaved Woodland	19/07/2023	DJ	Yes
318	D	Land adjacent to Kenson Wood	D49 G1	Neutral (Lowland Meadows)	19/07/2023	DJ	Yes
319	D	Kenson Wood	D49 W3	Broadleaved Woodland	19/07/2023	DJ	Yes
320	D	Castle Wood	D49 W1	Broadleaved Woodland	19/07/2023	DJ	Yes
347	D	Dyffryn Business Park Pond	N/A	Pond supporting breeding GCN	08/06/2023	DJ	Yes*
350	D	Land at East Aberthaw	D54 M1	Neutral (Lowland Meadows) & Calcareous (Lowland calcareous grassland) + Scrub Communities & Coastal Habitats (Saline Lagoons)	16/06/2023	DJ	Yes
cSINC 1	D	Fonmon verge B4265	N/A	Neutral (Lowland Meadows)	12/07/2023	DJ	Yes
cSINC 7	D	Kenson Bridge Grassland 1 - Barrenhill	N/A	Neutral (Lowland Meadows)	27/07/2023	DJ	Yes
cSINC 8	D	Kenson Bridge Grassland 2 - Barrenhill	N/A	Neutral (Lowland Meadows)	27/07/2023	DJ	No

*Denotes SINC currently designated for species criteria.

Area E

- 3.19 Survey Area E covered the area between Culverhouse Cross and Barry in the east to Llanvithyn and Rhoose in the west, including the settlements of Llancarfan, Wenvoe, Dyffryn, Penmark, Porthkerry, St Lythans, Moulton and The Downs. The area included a total of 102no. existing SINC's and 4no. proposed cSINC's, comprising a mixture of semi-natural broadleaved woodland and wood pastures, semi-improved neutral and calcareous grassland, lowland fens and tall swamps, reedbeds and ponds (several of which are known breeding sites for Great Crested Newt). While the SINC's are generally spread evenly throughout the entire survey area, the highest density of SINC's is associated with the rolling hills and woodlands found between Llancarfan and Penmark.
- 3.20 The survey work identified that 95no. of the existing SINC's were still considered to be of SINC quality, meaning that 7no. of the existing SINC's failed to meet the minimum criteria for SINC selection (see SINC's: 176 Land along River Waycock: 222 Land North West of Whitton Rosser Farm: 270 Land North of Penmark: 280 Land North of Flaxlands: 283 Sutton Wood; 289 Fields at Merthyr Dyfan: and 336 Walters Farm). A single proposed cSINC (cSINC 9: Llancarfan Grasslands – Penn Onn) also failed to meet the minimum SINC criteria. Table E also noted any recommended changes to the designated features/habitats within the survey area.
- 3.21 SINC's of note include Orchid rich meadows at SINC 182: Wenvoe Orchid Field and 183: East of Wenvoe Orchid Field; the extensive and structurally diverse woodlands at 237: Wenvoe Wood, 362: Goldsland Wood and Coed Quinnet; and the exceptionally species-rich and diverse coastal sites at 351: Font-y-Gary, 352: Rhoose Point, 357: Friars Point and 358: Nell's Point East, each of which consist of a complex of habitats and plant communities which support a large number of indicator species.

Table E: Summary of SINC assessments within Survey Area E.

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
15	E	Gladstone Road Pond	N/A	Pond supporting breeding Smooth Newts	13/07/2023	BS	Yes*
41	E	Readers Way Pond	N/A	Pond supporting breeding GCN	07/09/2023	BS	Yes*
106	E	Amelia Trust Woodland Pond	N/A	Pond	28/06/2023	BS	Yes*
107	E	Amelia Trust Dew Pond	N/A	Pond supporting breeding GCN	22/08/2023	BS	Yes
132	E	Coed Quinnet	N/A	Broadleaved Woodland	28/06/2023	BS	Yes
148	E	Wenvoe Castle Front Lawn Pond	N/A	Pond supporting breeding GCN	24/08/2023	BS	Yes*
150	E	Bears Wood	N/A	Broadleaved Woodland	24/08/2023	BS	Yes
172	E	Coed y Lan	25-W1	Broadleaved Woodland	08/06/2023	BS	Yes
173	E	Redland Wood	25-W2	Broadleaved Woodland	08/06/2023	BS	Yes
174	E	Betty Lucas Wood	25-W3	Broadleaved Woodland	08/06/2023	BS	Yes
175	E	Coed y Cwm	26-W1	Broadleaved Woodland	08/06/2023	BS	Yes
176	E	Land along River Waycock	26-W6	Broadleaved Woodland	13/06/2023	BS	No
177	E	Land at Winchpit	26-W2	Broadleaved Woodland	09/06/2023	BS	Yes
178	E	Land North West of Coed Nant Bran	26-G2	Neutral (Lowland Meadows)	09/06/2023	BS	Yes
179	E	Coed Nant-Bran	26-W3	Broadleaved Woodland	09/06/2023	BS	Yes
180	E	Beechwood	26-W4	Broadleaved Woodland	09/06/2023	BS	Yes
181	E	West of White Hall	26-W5	Broadleaved Woodland	22/06/2023	BS	Yes
182	E	Wenvoe Orchid Field	26-G3	Neutral (Lowland Meadows)	22/06/2023	BS	Yes
183	E	East of Wenvoe Orchid Field	26-G4	Neutral (Lowland Meadows)	22/06/2023	BS	Yes
184	E	The Downs	26-G1	Neutral (Lowland Meadows)	09/06/2023	BS	Yes
214	E	Land North of Llanvithyn Farm	33-W1	Broadleaved Woodland	11/07/2023	BS	Yes
215	E	North West of Garnllwyd Farm	33-W2	Broadleaved Woodland	14/06/2023	BS	Yes
216	E	Land along Nant Llancarfan	33-G3	Marshy Grassland and Fens, Reedbeds and Other Swamps	18/07/2023	BS	Yes
217	E	Land South of Ty'n-y-Coed	33-W3	Broadleaved Woodland	14/06/2023	BS	Yes
218	E	Coed Quinnet	33-G1	Parklands, Orchards and Veteran Trees	22/08/2023	BS	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
219	E	West of Coed Quinnet	33-W4	Broadleaved Woodland	22/08/2023	BS	Yes
220	E	Land South of Blackland Farm	33-W5	Broadleaved Woodland	28/06/2023	BS	Yes
221	E	Land North of Whitton Rosser Farm	33-G2	Marshy Grassland	28/06/2023	BS	Yes
222	E	Land North West of Whitton Rosser Farm	33-W6	Broadleaved Woodland	28/06/2023	BS	No
223	E	Brook Wood	34-W1	Broadleaved Woodland	14/06/2023	BS	Yes
224	E	Coed Sion Hywel	34-W2	Broadleaved Woodland	13/06/2023	BS	Yes
225	E	Coed y Graig	34-W3	Broadleaved Woodland	13/06/2023	BS	Yes
226	E	Land North of Little Hamston Farm	34-W4	Broadleaved Woodland	13/06/2023	BS	Yes
227	E	Land South of Little Hamston	34-W5	Broadleaved Woodland	27/06/2023	BS	Yes
228	E	Land to West of Dyffryn	34-W6	Broadleaved Woodland	13/06/2023	BS	Yes
229	E	East of Dyffryn Springs	34-W7	Broadleaved Woodland	05/09/2023	BS	Yes
230	E	Great Hamston	34-G1	Fens, Reedbeds and Other Swamps	18/09/2023	BS	Yes
231	E	Dyffryn Golwch	34-P1	Fens, Reedbeds and Other Swamps	18/09/2023	BS	Yes
232	E	Dyffryn Gardens	34-G2	Neutral (Lowland Meadows)	Feb 2021 - July 2023	PS	Yes
233	E	Land to North of Dyffryn	34-G3	Neutral (Lowland Meadows)	Feb 2021 - July 2023	PS	Yes
234	E	Land along Nant Bran	34-W8	Broadleaved Woodland & Pond	26/07/2023	BS	Yes
235	E	Coed Maesyfelin	34-W9	Broadleaved Woodland	27/06/2023	BS	Yes
236	E	Goldslan Farm Pond	34-P2	Fens, Reedbeds and Other Swamps	27/06/2023	BS	Yes
237	E	Wenvoe Wood	34-W10	Broadleaved Woodland	23/06/2023	BS	Yes
262	E	West of Ty-to-Maen	41-W3	Broadleaved Woodland	11/07/2023	BS	Yes
263	E	Land West of Llancarfan	41-W2	Broadleaved Woodland	11/07/2023	BS	Yes
264	E	Land North of Llancarfan	41-W1	Broadleaved Woodland	11/07/2023	BS	Yes
265	E	Land North East of Llancarfan	41-G3	Fens, Reedbeds and Other Swamps	19/07/2023	BS	Yes
266	E	Land off Pancross Farm	41-G1	Calcareous (Lowland calcareous grassland)	04/08/2023	BS	Yes
267	E	Land West of Pen Onn Farm	41-W4	Broadleaved Woodland	04/08/2023	BS	Yes
268	E	Land West of Pen-Doines	41-G2	Calcareous (Lowland calcareous grassland)	04/08/2023	BS	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
269	E	Pen-Doines	41-W5	Broadleaved Woodland	04/08/2023	BS	Yes
270	E	Land North of Penmark	41-G11	Fens, Reedbeds and Other Swamps	12/09/2023	BS	No
271	E	Land to North East of Penmark	41-W6	Broadleaved Woodland	12/09/2023	BS	Yes
272	E	Land North of Pen Onn Farm	41-G5	Neutral (Lowland Meadows)	21/07/2023	BS	Yes
273	E	South East Llancarfan	41-G4	Neutral (Lowland Meadows)	19/07/2023	BS	Yes
274	E	Ford Farm	41-G6	Neutral (Lowland Meadows)	19/07/2023	BS	Yes
275	E	Cwm Flaxland	41-G7	Neutral (Lowland Meadows)	01/08/2023	BS	Yes
276	E	Land North of Broomwell	41-W7	Broadleaved Woodland	21/07/2023	BS	Yes
277	E	Coed y Cwm	41-W8	Broadleaved Woodland	04/08/2023	BS	Yes
278	E	Breach Wood	41-W9	Broadleaved Woodland	01/08/2023	BS	Yes
279	E	Land North of Coed y Cwm	41-G9	Neutral (Lowland Meadows)	04/08/2023	BS	Yes
280	E	Land North of Flaxlands	41-G8	Neutral (Lowland Meadows)	21/07/2023	BS	No
281	E	Land to west of Northcliff Farm	42-W1	Broadleaved Woodland	27/06/2023	BS	Yes
282	E	Coed Garw	42-W2	Broadleaved Woodland	17/07/2023	BS	Yes
283	E	Sutton Wood	42-W3	Broadleaved Woodland	17/07/2023	BS	No
284	E	North West of Welsh Hawking Centre	42-W4	Broadleaved Woodland	17/07/2023	BS	Yes
285	E	West of Barry College	42-G2	Neutral (Lowland Meadows)	12/09/2023	BS	Yes
286	E	North of Highlight Farm	42-P1	Pond	29/08/2023	BS	Yes
287	E	Land at Nant Bryhill	42-G1	Marshy Grassland	29/08/2023	BS	Yes
288	E	Brynhill	42-W5	Broadleaved Woodland	18/07/2023	BS	Yes
289	E	Fields at Merthyr Dyfan	42-G3	Neutral (Lowland Meadows)	22/08/2023	BS	No
290	E	Land North of Port News	42-W6	Broadleaved Woodland	23/06/2023	BS	Yes
291	E	Land West of Windrush	43-G1	Fens, Reedbeds and Other Swamps	26/07/2023	BS	Yes
292	E	North West of Pencoedtre Wood	43-W1	Broadleaved Woodland	26/07/2023	BS	Yes
293	E	West of Pencoedtre Wood	43-P1	Pond	26/07/2023	BS	Yes
321	E	Cliff Wood	49-W1	Broadleaved Woodland	04/08/2023	BS	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
322	E	Land South of Penmark	49-G1	Scrub Communities	07/09/2023	BS	Yes
323	E	Land South West of Curnix Farm	49-G2	Neutral (Lowland Meadows)	04/09/2023	BS	Yes
324	E	Land South of Curnix Farm	49-G3	Fens, Reedbeds and Other Swamps	04/09/2023	BS	Yes
325	E	Curnix Farm	N/A	Neutral (Lowland Meadows)	04/09/2023	BS	Yes
326	E	Church Hill Wood	49-W2	Broadleaved Woodland	06/09/2023	BS	Yes
327	E	Land North of Blackton Farm	49-G4	Fens, Reedbeds and Other Swamps	12/09/2023	BS	Yes
328	E	North West Bullhouse Brook	49-W3	Broadleaved Woodland	11/08/2023	BS	Yes
329	E	North Bullhouse Brook	49-W4	Broadleaved Woodland	11/08/2023	BS	Yes
330	E	West of The Old Rectory	50-W1	Broadleaved Woodland	15/08/2023	BS	Yes
331	E	Knock Man Down Wood	50-W2	Broadleaved Woodland	16/08/2023	BS	Yes
332	E	North East of Knock Man Down Wood	50-W3	Broadleaved Woodland	16/08/2023	BS	Yes
333	E	South of Cwm Ciddy Farm	50-G3	Neutral (Lowland Meadows)	16/08/2023	BS	Yes
335	E	North Cwm Barri	50-W4	Broadleaved Woodland	16/08/2023	BS	Yes
336	E	Walters Farm	50-G1	Neutral (Lowland Meadows)	12/09/2023	BS	No
337	E	Cadoxton Wetlands	51-P1	Fens, Reedbeds and Other Swamps	28/09/2023	BS	Yes
338	E	Cadoxton River	51-P3	Fens, Reedbeds and Other Swamps	18/07/2023	BS	Yes
339	E	North of North Road	51-P2	Fens, Reedbeds and Other Swamps & Pond	26/07/2023	BS	Yes
351	E	Font-y-Gary	55-G1	Neutral (Lowland Meadows) & Calcareous (Lowland calcareous grassland)	15/09/2023	BS	Yes
352	E	Rhose Point	55-G2	Calcareous (Lowland calcareous grassland) + Scrub Communities, Coastal Habitats (Maritime Cliffs and Slopes), Ponds & Fens, Reedbeds and Other Swamps	15/09/2023	BS	Yes
353	E	South West of Church Farm	56-G1	Neutral (Lowland Meadows)	15/08/2023	BS	Yes
354	E	East of Lower Porthkerry	56-W1	Broadleaved Woodland	15/08/2023	BS	Yes
355	E	Flaxland Pond	N/A	Pond supporting breeding GCN	07/09/2023	BS	Yes*
357	E	Friars Point	56-G2	Neutral (Lowland Meadows) & Calcareous (Lowland calcareous grassland) + Coastal Habitats (Maritime Cliffs and Slopes)	13/07/2023	BS	Yes
358	E	Nell's Point East	56-G3	Neutral (Lowland Meadows)	13/07/2023	BS	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
362	E	Goldslan Wood	N/A	Broadleaved Woodland	05/09/2020	BS	Yes
cSINC 5	E	Land south of Penmark adj SINC 322	N/A	Neutral (Lowland Meadows)	13/09/2023	BS	Yes
cSINC 6	E	Grassland near Flaxlands Llancarfan	N/A	Neutral (Lowland Meadows)	13/09/2023	BS	Yes
cSINC 9	E	Llancarfan Grasslands - Penn Onn	N/A	Neutral (Lowland Meadows)	06/09/2023	BS	No
cSINC 11	E	Barry Abandoned Sports Field	N/A	Calcareous (Lowland calcareous grassland)	06/09/2023	BS	Yes

*Denotes SINC currently designated for species criteria.

Area F

- 3.22 Survey Area F includes the settlements of Penarth, Dinas Powys and Sully located within the eastern extent of the Vale of Glamorgan, bordering Cardiff. The survey area included a number of large broad-leaved woodland parcels to the north of Penarth, with a collection of pond, lake and grassland habitats to the south closer to the coast. The area included a total of 27no. existing SINC.
- 3.23 The assessment identified that 26no. sites were still considered to meet minimum SINC criteria. Only the pond habitat located at SINC 238: East of Little Oak was no longer considered to meet SINC status.
- 3.24 Notable SINC within the county include SINC 301: Cosmeston Lakes, which supports a mosaic of calcareous grassland and scrub communities and the areas of ancient woodland habitats located at SINC 188: Factory Wood, 242: Coed Clwyd-Gwyn South West of Michaelston le Pit and 360: Leckwith Woods. These sites represent the largest ancient woodland SINC habitats within the county.

Table F: Summary of SINC assessments within Survey Area F.

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
152	F	Pond 11 Biglis Moors	N/A	Pond supporting amphibian assemblage including breeding GCN	28/09/2023	SP	Yes*
153	F	Pwwl Erw-Naw	N/A	Pond supporting breeding amphibians including GCN	28/09/2023	SP	Yes*
154	F	North of Cog Moors	N/A	Broadleaved Woodland and Pond	04/10/2023	SP	Yes
185	F	Coed y Cymdda	27-4-W1	Broadleaved Woodland	25/08/2023	SP	Yes
186	F	Coed y Ddyluan	27-6-W1	Broadleaved Woodland	24/08/2023	SP	Yes
187	F	West Hill Wood	27-7-W1	Broadleaved Woodland	24/08/2023	SP	Yes
188	F	Factory Wood	28-1-W1	Broadleaved Woodland	28/09/2023	SP	Yes
189	F	Reservoir Wood	28-2-W1	Broadleaved Woodland	28/09/2023	SP	Yes
204	F	Dinas Powys Castle Woodland	N/A	Broadleaved Woodland	25/08/2023	SP	Yes
238	F	East of Little Oaks	F35 P3	Pond	25/08/2023	SP	No
240	F	Land by Winstone Brook	F35 P2	Lake	25/08/2023	SP	Yes
241	F	Coed Ysgubor-Goch	35-4-W1	Broadleaved Woodland	25/08/2023	SP	Yes
242	F	Coed Clwyd-Gwyn South West of Michaelston le Pit	35-5-W1	Broadleaved Woodland	25/08/2023	SP	Yes
243	F	Coed Twyncyn	35-6-W1	Broadleaved Woodland	25/08/2023	SP	Yes
244	F	Case Hill Wood	35-7-W1	Broadleaved Woodland	25/08/2023	SP	Yes
294	F	Dinas Powys Moors	43-5-G1	Neutral (Lowland Meadows)	28/09/2023	SP	Yes
295	F	Shortlands Wood	43-7-W1	Broadleaved Woodland	28/09/2023	SP	Yes
296	F	North of Pop Hill	43-7-G1	Neutral (Lowland Meadows)	28/09/2023	SP	Yes
297	F	Cross Common	44-1-W1	Broadleaved Woodland	28/09/2023	SP	Yes
298	F	Pop Hill	44-2-W1	Broadleaved Woodland	28/09/2023	SP	Yes
299	F	Cog Moors	44-2-G1	Marshy Grassland	04/10/2023	SP	Yes
300	F	Cogan Pond	44-P1	Fens, Reedbeds and Other Swamps	04/10/2023	SP	Yes
301	F	Cosmeston Lakes	44-4-G1	Calcareous (Lowland calcareous grassland)	04/10/2023	SP	Yes
341	F	Ty-r-Orsaf	N/A	Neutral (Lowland Meadows)	04/10/2023	SP	Yes

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
342	F	Lavernock Point East	52-5-G1	Neutral (Lowland Meadows)	04/10/2023	SP	Yes
360	F	Leckwith Woods	N/A	Broadleaved Woodland	24/08/2023	SP	Yes
361	F	Downs Wood	N/A	Broadleaved Woodland	04/10/2023	SP	Yes

*Denotes SINC's currently designated for species criteria.

Area G

- 3.25 A total of 9no. SINC's originally located within Survey Area A were assigned to a new geographical area for the 2023 project. This included a collection of woodland, marshy grassland and pond habitats located to the north of Cowbridge near Ystradwoen and Trerhyngyll.
- 3.26 Within Area G, 7no. sites were still considered to meet SINC status, whilst 2no. sites were no longer considered to meet minimum SINC criteria, as summarised in Table G.
- 3.27 A notable SINC within the survey area included SINC 50: Mynydd y Fforest, which supports a large area (approx. 20ha) of grazed rush pasture. The habitats at the site contain species-rich marshy grassland indicator species such as Devil's Bit Scabious *Succisa pratensis*, and were considered suitable to support protected invertebrates such as Marsh Fritillary butterfly *Euphydryas aurinia*.

Table G: Summary of SINC assessments within Survey Area G.

SINC ID	Survey Area	SINC Name	SBE 2009 Code	Current designation and proposed changes	Date of Survey	Surveyor	Meets SINC Yes/No
18	G	Land to the East of Llansannor & Llanharry Church in Wales Primary School	A3W1	Broadleaved Woodland	25/09/2023	DC	No
19	G	Land East of Tynytrach Farm	A3W2	Broadleaved Woodland	25/09/2023	DC	Yes
20	G	South of Forest Wood Quarry	A3W3	Broadleaved Woodland	25/09/2023	DC	Yes
49	G	Coed Pen-Cyrn	A9W5	Broadleaved Woodland	08/09/2023	DJ	Yes
50	G	Mynydd y Fforest	A9WG1	Marshy Grassland	01/09/2023	DJ	Yes
51	G	North Ystradowen	A9W3	Broadleaved Woodland	01/09/2023	DJ	Yes
52	G	Old Quarry, Cowbridge Road	A9W2	Broadleaved Woodland	01/09/2023	DJ	Yes
108	G	Land at Trerhyngyll	A16F1	Pond	08/09/2023	DJ	Yes
162	G	Land West of Cowbridge Comprehensive School	A24WG1	Marshy Grassland	17/08/2023	DJ	No

Fauna

- 3.28 During the field validation visits, in addition to habitat data, incidental observations of protected or otherwise notable fauna were recorded e.g., birds and reptiles. This included the identification of any [REDACTED] or field signs (e.g., latrines, footprints or guard hairs). In addition, where a habitat was considered to have potential to support protected or priority species this was also noted on the survey proformas e.g., woodlands with potential for Hazel Dormice, ponds with potential for breeding GCN, reedbeds with breeding bird potential or species-rich grasslands likely to support priority invertebrate populations e.g., Marsh Fritillary butterfly.

4.0 CONCLUSIONS

- 4.1 The field validation surveys undertaken between June – October 2023 have indicated that out of the total number of 360no. existing SINC, 326no. were considered to meet the minimum criteria for SINC selection. In addition, 9no. out of the 11no. proposed cSINC were considered to meet SINC criteria. In total this represents 335no. SINC sites within the county.
- 4.2 In general, sites no longer considered to meet SINC status had deteriorated in condition due to scrub encroachment, lack of management or overgrazing by livestock. The accompanying survey proformas should be consulted for site-specific threats and management or enhancement recommendations.

Broad-leaved woodland

- 4.3 Although >95% of broad-leaved woodland sites were still considered to meet SINC criteria, surveyors noted that many of the broad-leaved woodland and ancient woodland (AW) habitats across the county have degraded in condition since the previous 2009 field surveys and were noted to be in a poor condition. Common threats noted within the survey proformas included the presence of Ash dieback (which appears to be abundant across the county), the presence of invasive and non-native species, overgrazing by livestock, lack of management and commercial forestry activities.
- 4.4 For example, SINC 205: Coed y Grbla which comprises of a large ancient woodland parcel located along the Thaw River valley, contains a very bare ground-flora layer with limited AW indicator species due to overgrazing from sheep. However, the site was still considered to meet SINC criteria based on the AW designation, the woodland size and its context within the wider landscape and ecologically connectivity. Other similar woodland sites in poor condition include SINC 18, 20, 61, 62, 64, 85, 97, 147, 174, 176, 194, 202, 222, 226, 264 and 283. The current habitat condition, threats and management recommendations for these sites are summarised in Table 4 overleaf, as well as photographs.
- 4.5 The Guidelines for the Selection of Wildlife Sites identify criteria for woodland to be considered for designation as SINC's – these include:
- all ancient woodlands as recorded in the Ancient Woodland Inventories, apart from those felled and replanted with non-native species which have also entirely lost their ancient features such as characteristic ground flora;
 - semi-natural woodlands, of whatever size, which support an assemblage of ancient woodland indicator species.

- 4.6 Based on the above criteria, all woodland sites that are identified as Ancient Semi-Natural Woodland (ANSW) within the NRW Ancient Woodland Inventory (2021) were considered to meet the minimum SINC threshold, unless otherwise stated. The status of other woodland sites (including Restored Ancient Woodland Sites or Plantation on Ancient Woodland Sites) were ultimately determined based on the professional judgement of the surveyor, assessment of the severity of the current threats and the number of AW indicator species. In general, those woodland sites that supported 5 or fewer AW indicator species were not considered to meet SINC criteria.
- 4.7 Recommendations listed within the survey proformas for woodlands in poor condition included replanting with native tree species within areas affected by Ash dieback and forestry activity, removal of invasive species, localised coppicing/thinning and the control of livestock access. In the absence of additional measures, it is considered that these woodland sites will no longer meet minimum SINC criteria in the long-term.

SSSIs

- 4.8 A number of SINCs within the county also hold designation as a Site of Special Scientific Interest (SSSI) or are located directly adjacent to a SSSI boundary. In particular, the current survey noted that the species-rich neutral grassland habitats at SINC 336: Walters Farm had been lost due to a change in management (drilling of fields for arable crops) resulting in damage to the SSSI. As such, this is being investigated by Natural Resources Wales.
- 4.9 In addition, SINC 140 and 142, which are located immediately adjacent to Clemstone Meadows SSSI, were no longer considered to meet minimum SINC status for lowland meadows due to overgrazing by cattle and over enrichment/improvement of the grassland sward.

Great Crested Newt

- 4.10 As discussed in section 2.7, 15no. existing SINC 140 and 142 are currently designated based on the presence of a good population of breeding GCN and other common amphibians. To verify the status of these sites it is recommended that further targeted survey work to establish the presence/absence and likely population size of GCN is undertaken in the spring/early summer survey window (between March – June). This could include a combination of eDNA and traditional survey methods (e.g., torching, bottle-trap and egg search). As per the Guidelines for the Selection of Wildlife Sites (2008) sites supporting ‘good populations’ of great crested newt (defined as 10 or more individuals counted by torchlight) should be considered for selection.

No access

- 4.11 During the survey SINC^s 141, 310 and 313 were inaccessible. This was a result of either locked gates or the landowner refusing access. It is recommended that the VoG make contact with the landowners in order to arrange for a follow up assessment.

Table 4: Summary of current management, condition, threats and management opportunities for woodland sites in poor condition.

SINC ID	SINC Name	Ancient Woodland Inventory	Summary of current management, habitat conditions and threats	Management opportunities	No. of SINC indicator species	Size (ha)	Meets SINC Yes/No
18	Land to the East of Llansannor & Llanharry	Restored Ancient Woodland Site	No current management. Woodland condition impacted by Ash dieback, over dominance by bramble and cattle grazing	Remove affected trees, control bramble cover and open up woodland canopy. Reduce livestock access.	3	1.9	No
20	South of Forest Wood Quarry	Ancient Semi-Natural Woodland	No current management. Woodland condition impacted by Ash dieback. Ground-flora very limited, entirely bare ground, no understorey layer.	Remove affected trees, open up canopy and allow regeneration of ground-flora.	3	3.6	Yes
61	West of Clawdd-Coch Farm	Ancient Semi-Natural Woodland	No current management, woodland is in poor condition. The closed canopy is favouring the dominance of shade-tolerant common ivy and bramble over populations of ancient woodland indicator (AWI) species. Loss of grazing has contributed to a substantial increase in holly and bramble cover. Ash dieback is badly affecting many canopy trees.	It is likely that the death of ash trees will open up the canopy and create openings that may benefit AWI species. Understorey thinning/re-coppicing and control of bramble is urgently needed.	5	2.4	Yes
62	Coed Waunn-Lloff	Ancient Semi-Natural Woodland	No current management evident, woodland is in poor condition due to neglect, bramble cover and Ash dieback.	Control of bramble would be hugely beneficial.	3	4.6	Yes
64	Land near Hensol Mill	Restored Ancient Woodland Site	In declining condition, neglect/lack of active management has caused canopy/understorey closure and deep shade below, promoting common ivy and bramble over woodland floor diversity.	Thinning the canopy or holly understorey to allow more light in would be beneficial, as would bramble control.	5	2.7	Yes
85	North of Palla Farm	Ancient Semi-Natural Woodland	No current management, woodland is in poor condition. Although some of the original canopy trees remain, the lower structural layers of the copse have been over grazed. Ash die-back is also affecting some of the remaining trees.	Reduced grazing might allow limited recovery of the shrub understorey, or appropriate native species could be planted below the trees i.e. holly, field maple or hawthorn if protected from the livestock. Restoration of old ponds at the woodland margins is desirable.	4	0.7	Yes
97	Pwlllywrach Farm	No	No current management evident, causing canopy/understorey closure and shading by over-dominance of Sycamore.	Thinning the canopy to allow ground-flora to regenerate.	3	0.2	No
147	Ty-Draw South of Colwinston	Restored Ancient Woodland Site	No active woodland management. Ground-flora overgrazed by sheep within the eastern extent. Remaining trees also impacted by ash dieback.	Reduce grazing pressure, remove ash trees infected by dieback to open up canopy.	5	1.3	No

SINC ID	SINC Name	Ancient Woodland Inventory	Summary of current management, habitat conditions and threats	Management opportunities	No. of SINC indicator species	Size (ha)	Meets SINC Yes/No
155	Manor Gardens	Restored Ancient Woodland Site	Over-abundance of non-native flora such as Winter Heliotrope, Cherry Laurel and Variegated Yellow Archangel.	Control of non-native INNS species.	4	2.1	No
174	Betty Lucas Wood	Ancient Semi-Natural Woodland	Overgrazing by sheep has resulted in limited understory/ground flora growth.	Restrict stock access by re-instating fencing. Woodland would benefit from some selective coppicing to open up areas of ground flora.	5	2.2	Yes
176	Land Along River Waycock	No	Woodland ground-flora heavily overgrazed by sheep.	Reinstate boundary stock fencing and selective thinning of canopy layer to open up woodland and allow ground flora to regenerate.	4	0.7	No
194	Factory Brook	No	No active woodland management. Sections of woodland ground-flora overgrazed by livestock (horses) and impacted by ash dieback. Although woodland supports low numbers of AWI indicator species it supports a diverse range of tree/shrub species.	Restrict stock access to woodland. Open up canopy to allow ground-flora to regenerate.	2	0.6	No
202	Crookland Gorse	Restored Ancient Woodland Site	No active woodland management evident. Ground-flora is heavily shaded and completely dominated by ruderal vegetation (nettle and dock). No AWI species identified.	Trimming of ruderal vegetation and selective thinning of woodland canopy would allow ground-flora to regenerate.	0	1.9	No
205	Coed y Grabla	Ancient Semi-Natural Woodland	Large woodland parcel (>12ha in size). Majority of woodland in poor condition due to overgrazing by sheep, very limited ground-flora and understorey layers. Ash dieback also present.	Replanting where dieback significant and limiting livestock access.	5	12.3	Yes
222	Land North West of Whitton Rosser Farm	No	Woodland impacted by overgrazing from sheep. Several parcels of Japanese Knotweed are also present along the northern boundary.	Treatment/removal of invasive species. Reinstate stock fencing to the south.	3	1.5	No
226	Land North of Little Hamston Farm	Ancient Semi-Natural Woodland	No active woodland management evident. Impacted by over-grazing by livestock.	Prevent stock access by re-instating fencing around woodland boundaries.	6	2.1	Yes
264	Land North of Llancarfan	Ancient Semi-Natural Woodland	Woodland in poor condition due to overgrazing/trampling by cattle. Ash-dieback noted in several trees.	Woodland's ground flora may rebound/recover if stock-proof fencing can be reinstated around the woodland to exclude livestock. Felling/pollarding of trees with Ash-dieback would also benefit the ground flora by opening up sections of the canopy layer.	3	0.4	Yes

SINC ID	SINC Name	Ancient Woodland Inventory	Summary of current management, habitat conditions and threats	Management opportunities	No. of SINC indicator species	Size (ha)	Meets SINC Yes/No
283	Sutton Wood	Plantation on Ancient Woodland Site	Woodland in poor condition due to neglect and lack of management. Cherry Laurel is also abundant.	Woodland would benefit from a coppicing regime to open up the dense canopy layer. Clearance of Cherry Laurel.	5	1.7	No

Figure 1: SINC 20 – ground-flora layer containing limited AWI species.



Figure 3: SINC 205 – ground-flora layer over-grazed by sheep and lacking AWI species.

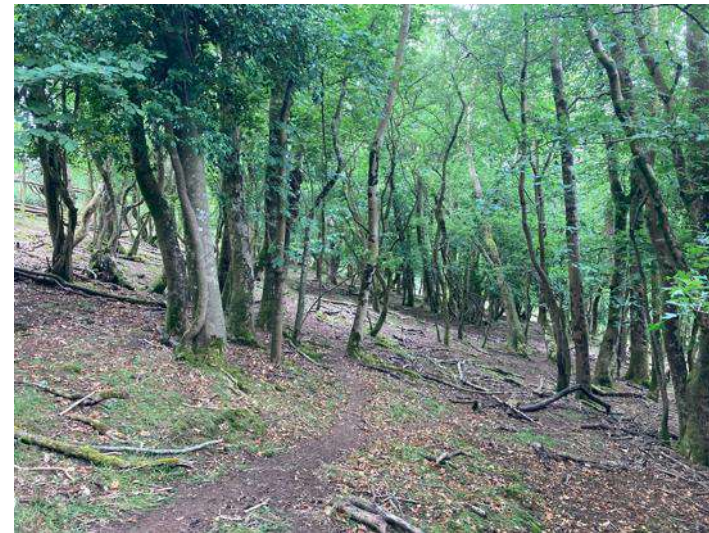


Figure 2: SINC 202 – ground-flora layer dominated by ruderal vegetation.

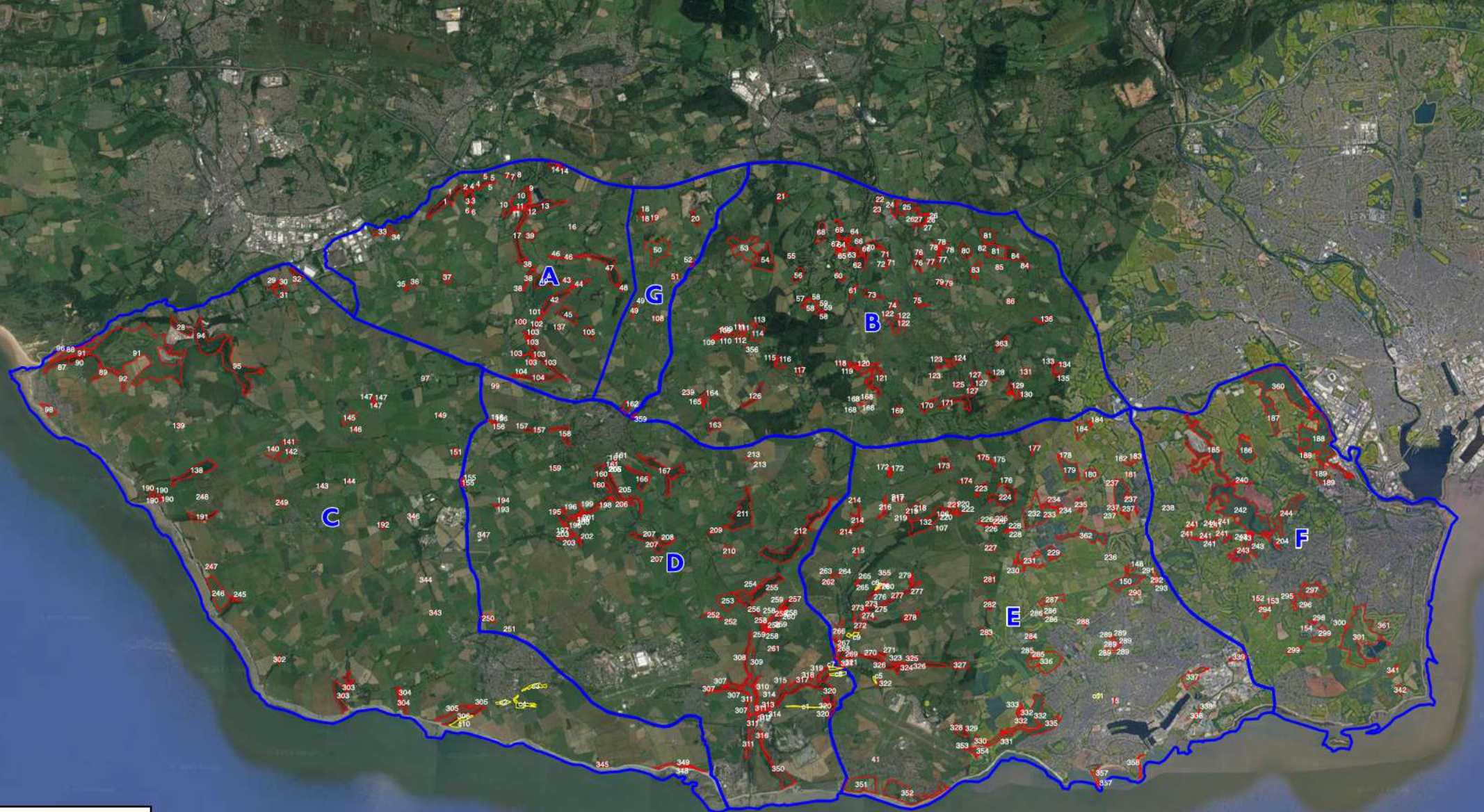


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Wales Biodiversity Partnership (2008) *Wildlife Sites Guidance Wales. A guide to develop local wildlife systems in Wales.*

APPENDIX I MASTER SURVEY PLAN AND SURVEY AREA PLANS



Key

- SINC (360no.)
- cSINC (11no.)
- Wider Survey Areas



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Master Survey Plan

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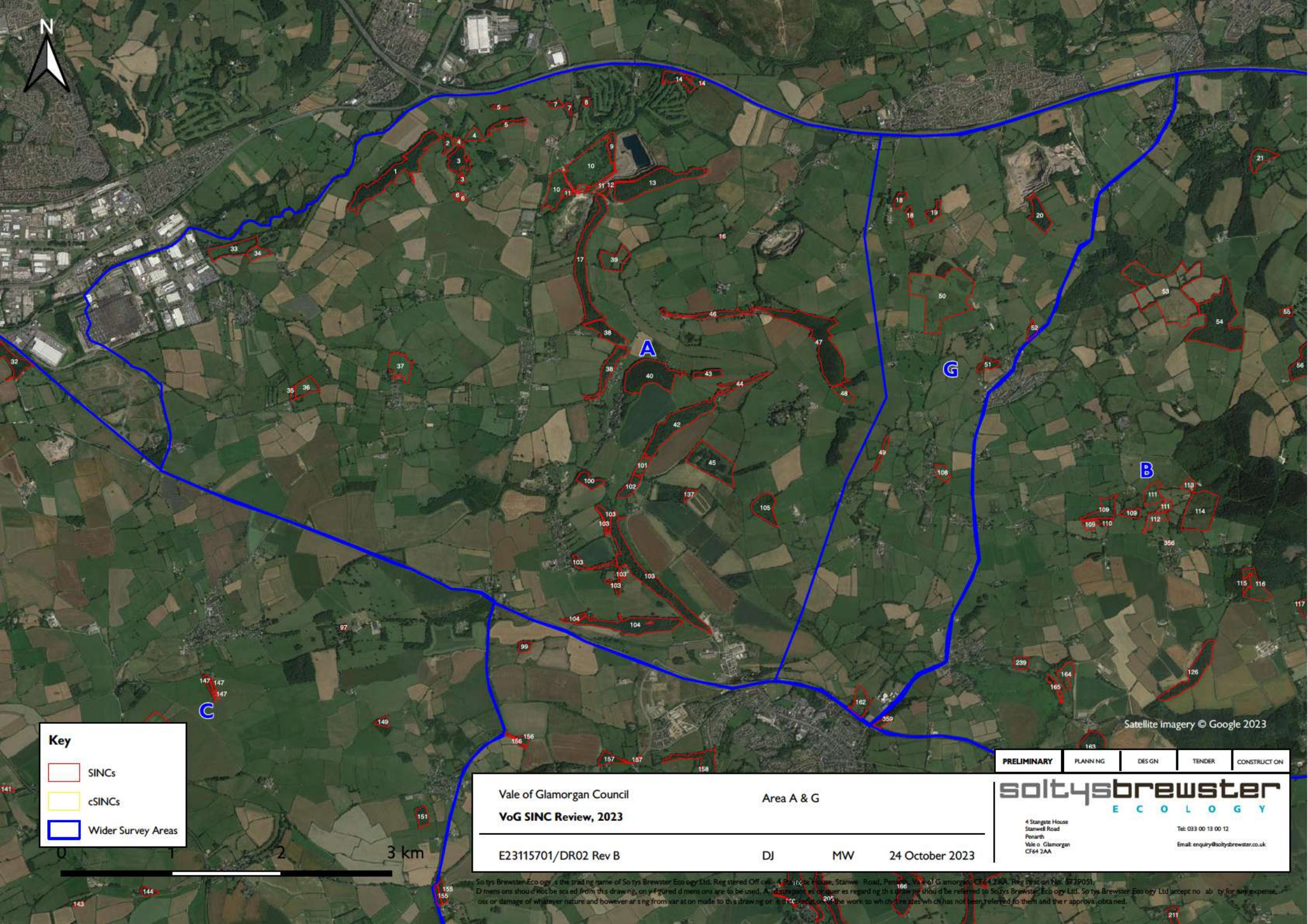
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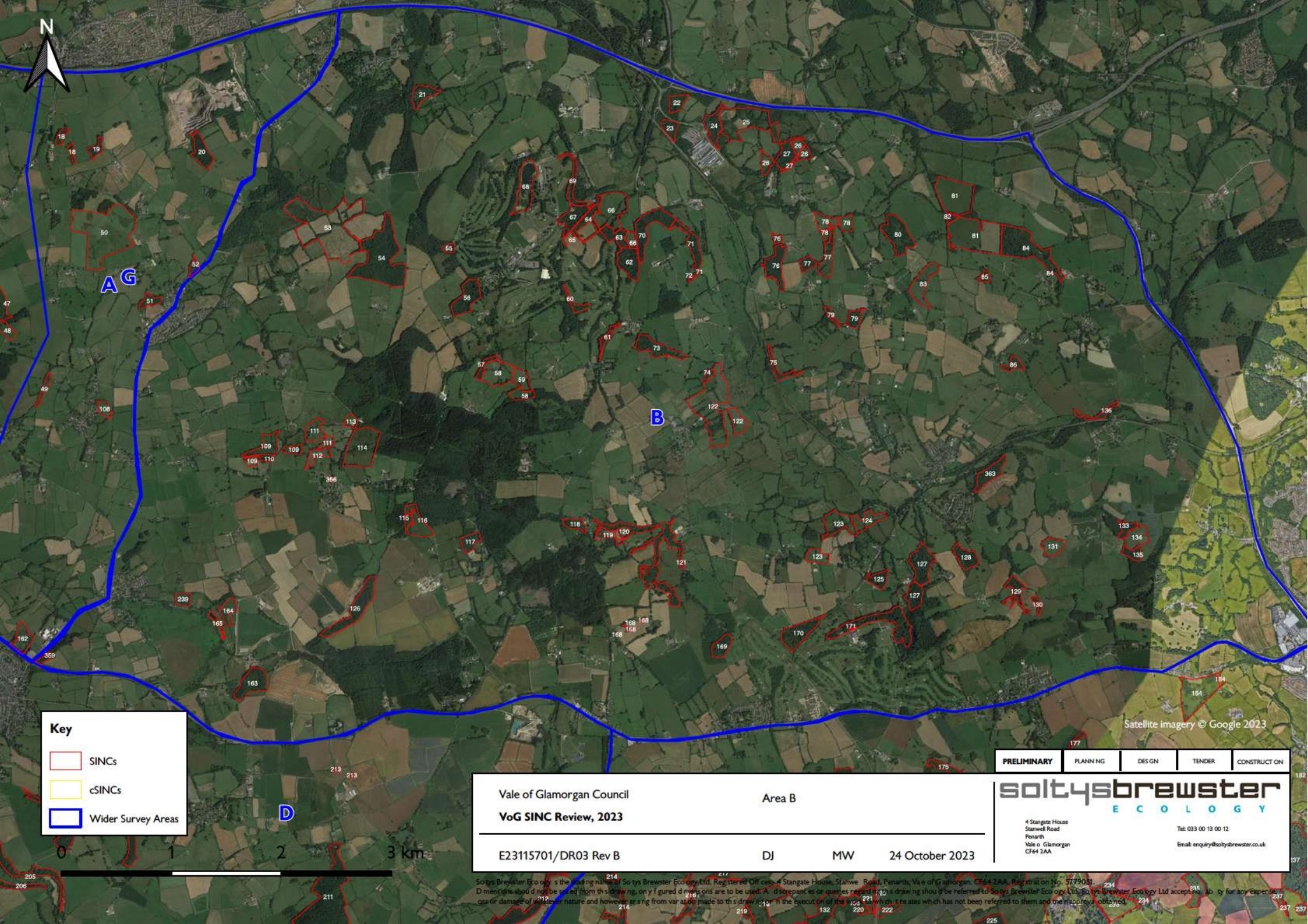
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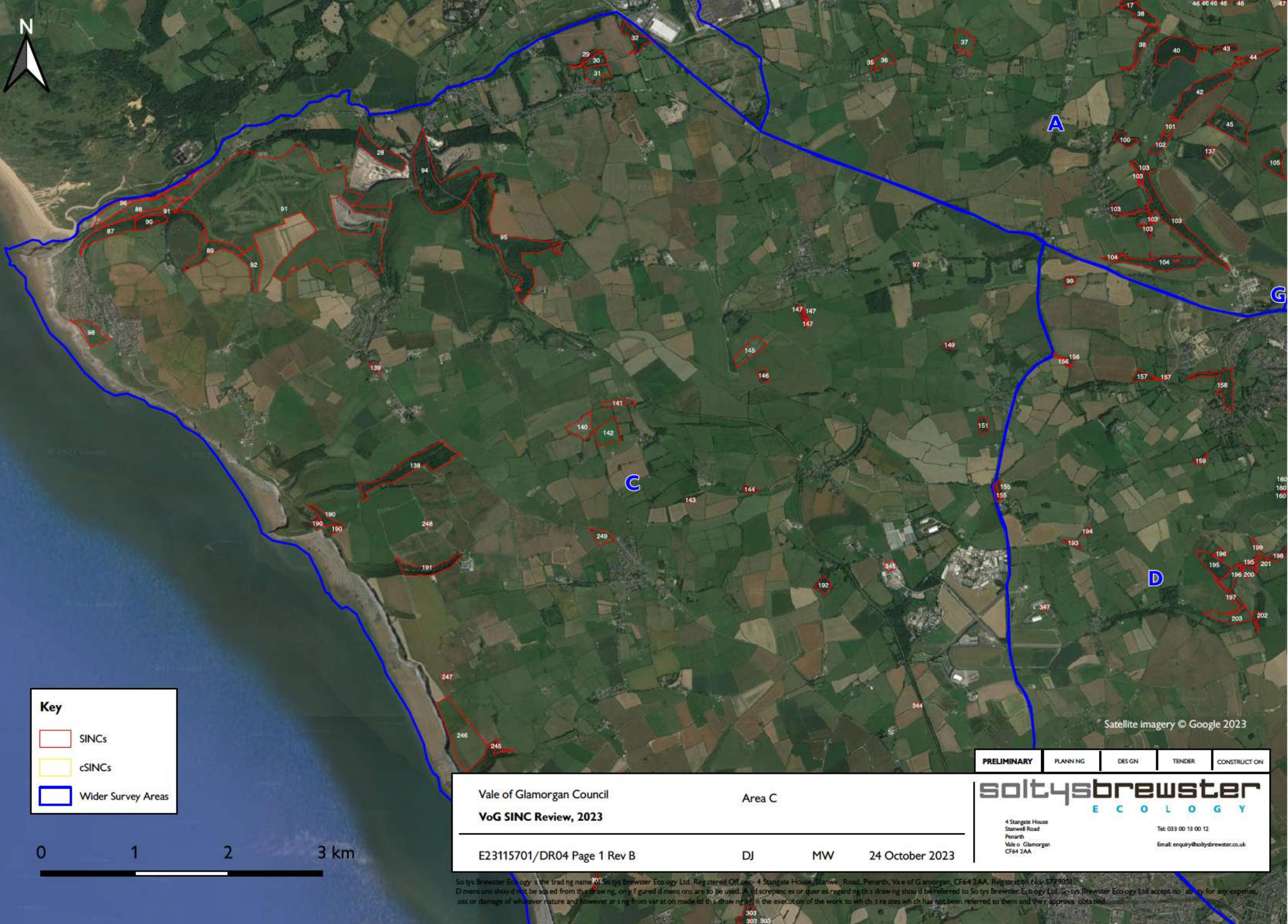
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Key

- SINC
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- Wider Survey Areas

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Area C

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
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-  SINC
-  cSINC
-  Wider Survey Areas

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Area D

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- cSINC
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Area D

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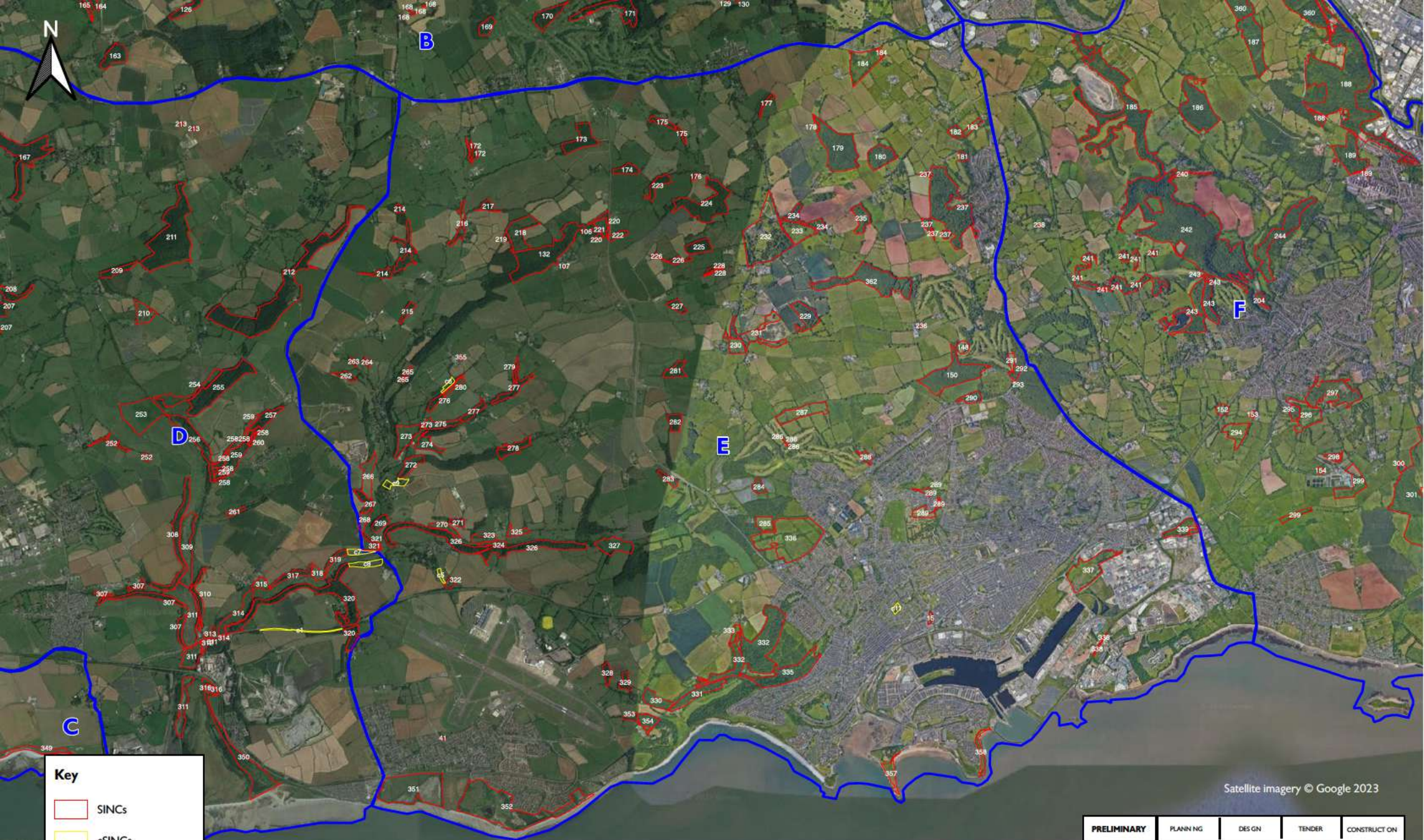
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Area E

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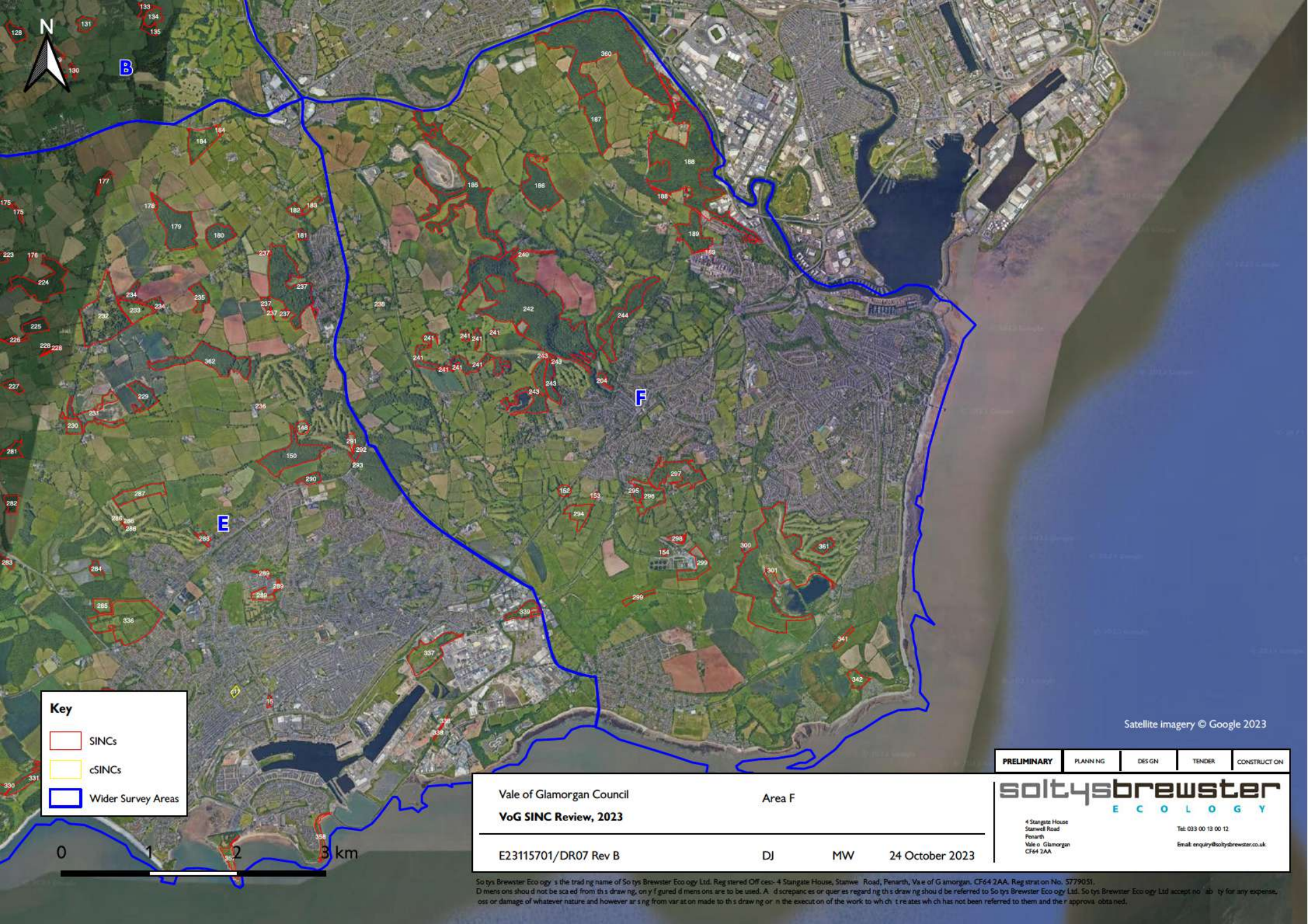
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- Wider Survey Areas

Vale of Glamorgan Council

VoG SINC Review, 2023

Area F

E23115701/DR07 Rev B

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APPENDIX II SINC RESULTS PLANS





Key

 Wider Survey Areas

SINC's & cSINC's (371no.)

 Does Not Meet SINC Criteria (33no.)

 Meets SINC Criteria (335no.)

 No Access (3no.)

0 2 4 6 km

Vale of Glamorgan Council

SINC Results Plan

VoG SINC Review, 2023

E23115701/DR08 Rev A

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15 January 2024

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PRELIMINARY	PLANNING	DESIGN	TENDER	CONSTRUCTION
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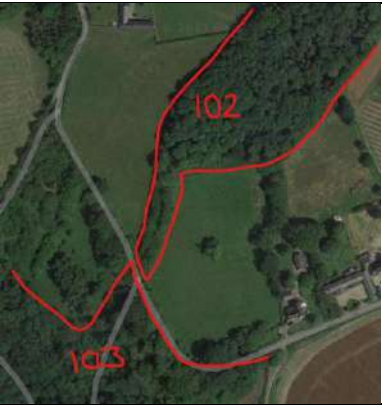

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APPENDIX III ADDITIONAL SURVEYOR NOTES SURVEY AREA A

P.Sturgess VoG SINC review sites: Summary of proposed SINC changes

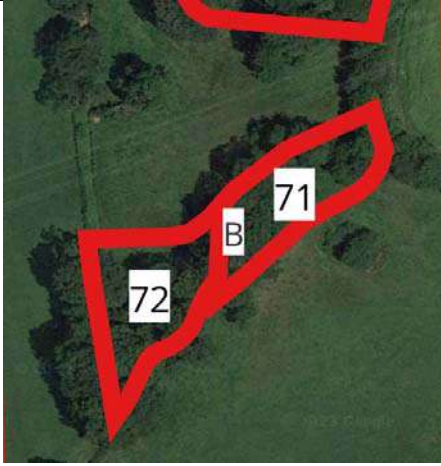


SINC	Proposed changes	
1	No change.	
2	No change.	
3	No change.	
4	Recommend including the scrub woodland and rock outcrops between the two grassland areas to create one SINC.	
5	No change.	
6	No change.	
7	Recommend including the scrub woodland between the two blocks of ancient woodland within the SINC, to provide connecting habitat.	
8	No change. (But potential for expansion to include the woodland to the south-east, on ancient woodland site)	
9	Merge with SINC 10.	
10	Merge with SINC 19.	
11	Merge with SINC 12 and expand to include calcareous grassland in wider quarry area.	
12	Merge with SINC 11 and expand to include calcareous grassland in wider quarry area. (NB Southern quarry only viewed from a distance and aerial photos).	
13	No change.	



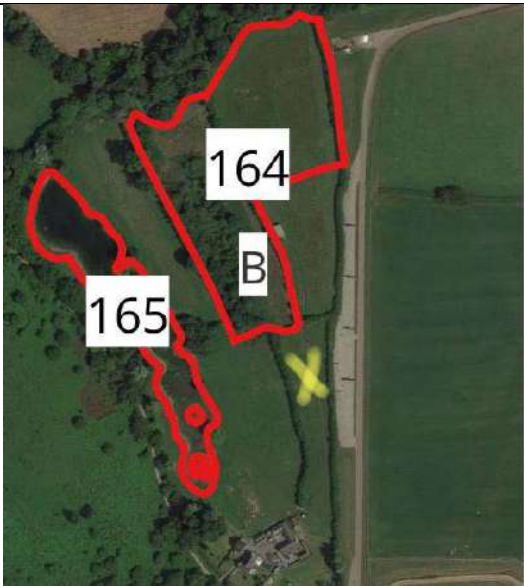
14	Include old hedgerow linking pond to main woodland, and all of ancient woodland area.	
16	No change.	
17	No change.	
33	No change.	
34	No change.	
35	Delete. No longer qualifies as SINC.	
36	No change.	
37	Consider deletion. Only borderline value with regard to SINC criteria.	
38	No change. However, local readjustment to boundary may be needed in the future to account for expansion of gardens/ building into SINC. Access refused to old quarry, possibly being used for building works.	
39	Delete. No longer qualifies as SINC.	
40	Extend the SINC to include the scrub/ old hedge linking to SINC 43.	
42	No change.	
43	No change (but link to SINC 40 as above).	
44	No change.	
45	No change.	
46	No change.	
47	No change.	
48	No change.	(Query: why is Coed y Brain to the south of this not a SINC? SS998773 – It is shown as ancient woodland in the NRW inventory.)
100	No change.	
101	Consider deletion. No longer qualifies as grassland SINC, but could be retained as a habitat link connecting the adjacent woodlands.	



102	Extend to include hedges/ scrub woodland strip on south west side to link to SINC 103.		
103	No change.		
104	Remove garden at Keeper's Lodge.		
105	No change.		
137	No change.		
232	Expand to include northern areas.	(see figure e-mailed previously)	

APPENDIX IV ADDITIONAL SURVEYOR NOTES SURVEY AREAS B & F

Sharon Pilkington VoG SINC review 2023 sites: Summary of proposed SINC changes

SINC	Proposed changes	Details
71	Southern outlier adjoining SINC 72 has been destroyed (71 in image) – amend SINC boundary.	
72	SINC 72 is broadleaved woodland, not Purple moor-grass and Rush Pasture as designated.	
78	Extend the SINC boundary to include purple moor-grass & rush-pasture currently within SINC 77 (which is only designated for woodland). See two areas marked X.	
81	Remove eastern meadow (yellow polygon) from SINC as is improved pasture	

SINC	Proposed changes	Details
109	Remove the improved pasture marked X from the SINC.	
119 & 120	<p>Merge SINCS 119 and 120.</p> <p>Remove the western part of SINC 119 (yellow polygon) as priority habitat has been destroyed.</p> <p>Designate the large pond shown in purple with X. It appears to be rich in damselflies and has populations of native aquatic macrophytes inc. <i>Potamogeton obtusifolius</i>.</p>	
164	Change the SINC boundary to include a field of herb-rich neutral grassland to the south (marked X).	

SINC	Proposed changes	Details
301	Extend the SINC boundary to include stands of calcareous grassland and a pond in Cosmeston Lakes Country Park (yellow polygon). The western shore of the lake (marked X) is also a well-developed reed-bed.	
342	Change SINC boundary to remove field west of yellow line and add species-rich grassland in the remainder of Lavernock Point Nature Reserve (marked X)	
363	Extend SINC to include ancient ash-field-maple woodland developed over deep-sided stream combe (yellow polygon).	