

**7000 Acres**

**7000 Acres Response to the Tillbridge Solar Application on the subject of:**

**Agricultural Land Classification (ALC) Errors and Inconsistencies**

Deadline 2 Submission – 14<sup>th</sup> November 2024

**ALC:- Observation errors and inconsistencies**

As a result of detailed analysis of the reported in EN010142-000298-6.2 Appendix 15-2 Agricultural Land Classification Baseline Report, we would question the professionalism of the parties involved in this report. One element of Project Management has always been to check the data before publication. It is clear here that Soil Environment Services Ltd, AECOM and the Tillbridge project team have all failed to carry out their professional duties in this instance and therefore it puts into question all of the judgements that they have reported within these documents.

Apart from the erroneous data contained within a separate 7000 Acres WR on Pits and Boreholes there are a very serious number of errors and inconsistencies within the ALC data table as submitted.

The report starts with the following statement *'This report presents a survey of a larger area which was considered for the Scheme during the application and assessment process. As such there are areas surveyed and presented in this report which are no longer within the Order limits. This does not impact on the conclusions of this report.'* We totally disagree with the closing statement. The ALC report is a significant document that carries a considerable weighting in the overall assessment of the application. As such it should represent only the scope of the project that is under examination and therefore this report should be adjusted so that only data for the areas of the site, within the Order limits that are under examination, should be included in the evaluation and results.

We therefore request the Examiner to instruct the applicant to revisit the ALC data report and delete all observation points that are no longer within the Order Limits. The remaining data should then be re-evaluated against the accepted ALC evaluation requirements and the results re-presented for examination.

Investigation of the submitted report indicates that there were initially 1358 observations, and of these 20 are reported as Number Omitted, 29 are reported as Point Removed and 7 have no explanation and no data entered against them, thus there are 1302 remaining observation points. Against these Observation points the applicant has identified and reported over 68,000 items of data. However, our analysis has identified that there are a considerable number of errors and inconsistencies within the data as documented in the table at the end of this document. 303 of the Observation points (23%) have errors in the data submitted. We therefore request the Examiner to instruct the applicant to revisit the ALC data report and correct all of the data accordingly and the results re-presented for examination.

When the corrected ALC report is submitted we further suggest that the Examiner would benefit from Natural England evaluating and reporting on the contents and interpretation of the corrected data, and not just on the methodology applied as has been the case on previous NSIP evaluations.

Whilst we are not experts in the field of Agricultural Land Classification, we have carried out some analysis of the submitted ALC report.

Analysis of Table 1a has identified a different interpretation in the resultant Textural Class from the sampled results, using an independent internet AI site. For example Observation Point 1220 reports the Textural Class as being C (Clay as identified in the glossary) whilst the internet reports it as being:- What soil texture would result from Sand 38.45% Silt 23.15% Clay 38.39%? With your sand,

silt, and clay percentages, the soil texture falls into the "Clay Loam" category. This texture has a balanced mix, retaining water well and providing good nutrients to plants while still allowing for some drainage.

Similarly with Observation Point 702 which is also reported as being Textural Class C (Clay as identified in the glossary), whilst the internet reports it as:- What soil texture would result from Sand 42.92% Silt 18.61% Clay 38.47%? With those percentages, your soil would be classified as "Sandy Clay." This mix typically has a good amount of clay to retain nutrients and water, while the sand provides enough drainage. It's a solid choice for various plants that need a balance of water retention and aeration.

We also note that in section 5.2. Droughtiness The Available Water Capacity (water the plant can extract: water held by the soil matrix against gravity between field capacity and the permanent wilting point) which subsequently when considered with respect to the Moisture Deficit for wheat and potatoes results in a slight droughtiness limitation for the silt loam soils on the east of the site giving an ALC of Grade 3b in places.

However in section 6.1 it states The Available Water Capacity which subsequently when considered with respect to the Moisture Deficit for wheat and potatoes results in a slight droughtiness limitation for the silt loams soils on the east of the site giving an ALC Grade of 3a.

Which of these grades is correct?

| Observation No. | Cell reference |      |      |      |      |  |  |  |  |
|-----------------|----------------|------|------|------|------|--|--|--|--|
| 10              | F44            |      |      |      |      |  |  |  |  |
| 11              | Y48            | Z48  |      |      |      |  |  |  |  |
| 12              | Y52            | Z52  |      |      |      |  |  |  |  |
| 14              | Y59            | Z59  |      |      |      |  |  |  |  |
| 19              | D77            |      |      |      |      |  |  |  |  |
| 28              | Y115           | Z115 |      |      |      |  |  |  |  |
| 29              | Y120           | Z121 |      |      |      |  |  |  |  |
| 31              | F128           |      |      |      |      |  |  |  |  |
| 32              | Y132           | Z132 |      |      |      |  |  |  |  |
| 39              | Z160           |      |      |      |      |  |  |  |  |
| 40              | Z164           |      |      |      |      |  |  |  |  |
| 51              | Y207           | Z207 |      |      |      |  |  |  |  |
| 53              | L214           | L215 | Y215 | Z215 |      |  |  |  |  |
| 54              | L218           | L219 | L220 | Y220 | Z220 |  |  |  |  |
| 55              | L223           | L224 | Y224 | Z224 |      |  |  |  |  |
| 56              | L226           | F228 |      |      |      |  |  |  |  |
| 57              | L230           | L231 | L232 | Y232 | Z232 |  |  |  |  |
| 58              | L234           | L235 |      |      |      |  |  |  |  |
| 59              | L238           |      |      |      |      |  |  |  |  |
| 60              | L242           |      |      |      |      |  |  |  |  |
| 68              | D273           |      |      |      |      |  |  |  |  |
| 79              | Y319           | Z319 |      |      |      |  |  |  |  |
| 80              | Y324           | Z324 |      |      |      |  |  |  |  |
| 82              | F332           |      |      |      |      |  |  |  |  |
| 83              | Y336           | Z336 |      |      |      |  |  |  |  |
| 85              | Y343           | Z343 |      |      |      |  |  |  |  |
| 100             | D401           |      |      |      |      |  |  |  |  |
| 107             | F432           |      |      |      |      |  |  |  |  |
| 108             | Y436           | Z436 |      |      |      |  |  |  |  |
| 110             | Y443           | Z443 |      |      |      |  |  |  |  |
| 121             | Z488           |      |      |      |      |  |  |  |  |
| 128             | Y515           | Z515 |      |      |      |  |  |  |  |
| 129             | Y520           | Z520 |      |      |      |  |  |  |  |
| 130             | O521           | Y523 | Z523 |      |      |  |  |  |  |
| 131             | Y528           | Z528 |      |      |      |  |  |  |  |
| 133             | Y535           | Z535 |      |      |      |  |  |  |  |
| 148             | D593           |      |      |      |      |  |  |  |  |
| 153             | L615           | L616 |      |      |      |  |  |  |  |
| 154             | L619           | L620 |      |      |      |  |  |  |  |
| 155             | L623           | L624 |      |      |      |  |  |  |  |
| 156             | L626           | L627 | F628 |      |      |  |  |  |  |
| 157             | L630           | L631 | L632 |      |      |  |  |  |  |
| 158             | L634           | L635 |      |      |      |  |  |  |  |
| 159             | L638           | Y639 | Z639 |      |      |  |  |  |  |
| 160             | L642           | L643 |      |      |      |  |  |  |  |
| 166             | W665           |      |      |      |      |  |  |  |  |
| 168             | D673           |      |      |      |      |  |  |  |  |
| 171             | W685           |      |      |      |      |  |  |  |  |

| Observation No. | Cell reference |       |       |      |  |  |  |  |  |
|-----------------|----------------|-------|-------|------|--|--|--|--|--|
| 176             | K706           | L706  |       |      |  |  |  |  |  |
| 178             | R715           | Y716  | Z716  |      |  |  |  |  |  |
| 179             | R719           | Y720  | Z720  |      |  |  |  |  |  |
| 181             | Y727           | Z727  |       |      |  |  |  |  |  |
| 182             | L730           |       |       |      |  |  |  |  |  |
| 183             | L734           | L735  |       |      |  |  |  |  |  |
| 184             | L738           |       |       |      |  |  |  |  |  |
| 200             | L803           | L804  |       |      |  |  |  |  |  |
| 204             | R819           |       |       |      |  |  |  |  |  |
| 205             | R823           | Y824  | Z824  |      |  |  |  |  |  |
| 208             | Y835           | Z835  |       |      |  |  |  |  |  |
| 212             | Y851           | Z851  |       |      |  |  |  |  |  |
| 224             | L898           | M898  | L899  | M899 |  |  |  |  |  |
| 225             | L902           | M902  | L903  | M903 |  |  |  |  |  |
| 226             | L906           | M906  | L907  | M907 |  |  |  |  |  |
| 227             | L911           | M911  |       |      |  |  |  |  |  |
| 228             | L914           | M914  | L915  | M915 |  |  |  |  |  |
| 230             | Y923           | Z923  |       |      |  |  |  |  |  |
| 232             | Y931           | Z931  |       |      |  |  |  |  |  |
| 233             | L934           | M934  |       |      |  |  |  |  |  |
| 234             | L938           | M938  | L939  | M939 |  |  |  |  |  |
| 235             | L942           | M942  |       |      |  |  |  |  |  |
| 236             | Y947           | Z947  |       |      |  |  |  |  |  |
| 239             | F960           | N960  |       |      |  |  |  |  |  |
| 240             | F964           | N964  |       |      |  |  |  |  |  |
| 248             | D993           |       |       |      |  |  |  |  |  |
| 250             | L1002          | L1003 | L1004 |      |  |  |  |  |  |
| 251             | L1007          | L1008 |       |      |  |  |  |  |  |
| 252             | L1010          | L1011 |       |      |  |  |  |  |  |
| 254             | Y1019          | Z1019 |       |      |  |  |  |  |  |
| 255             | D1021          |       |       |      |  |  |  |  |  |
| 256             | D1025          | Y1027 | Z1027 |      |  |  |  |  |  |
| 257             | L1030          |       |       |      |  |  |  |  |  |
| 258             | L1034          | L1035 |       |      |  |  |  |  |  |
| 259             | L1038          |       |       |      |  |  |  |  |  |
| 260             | Y1043          | Z1043 |       |      |  |  |  |  |  |
| 268             | D1073          |       |       |      |  |  |  |  |  |
| 273             | N1093          |       |       |      |  |  |  |  |  |
| 298             | Y1155          | Z1155 |       |      |  |  |  |  |  |
| 300             | Y1163          | Z1163 |       |      |  |  |  |  |  |
| 303             | Y1175          | Z1175 |       |      |  |  |  |  |  |
| 304             | Y1179          | Z1179 |       |      |  |  |  |  |  |
| 321             | F1248          |       |       |      |  |  |  |  |  |
| 322             | F1252          |       |       |      |  |  |  |  |  |
| 323             | F1256          |       |       |      |  |  |  |  |  |
| 324             | F1260          |       |       |      |  |  |  |  |  |
| 325             | R1263          | F1264 |       |      |  |  |  |  |  |
| 328             | Y1275          | Z1275 | F1276 |      |  |  |  |  |  |

| Observation No. | Cell reference |       |       |       |  |  |  |  |  |
|-----------------|----------------|-------|-------|-------|--|--|--|--|--|
| 329             | F1280          |       |       |       |  |  |  |  |  |
| 341             | F1328          |       |       |       |  |  |  |  |  |
| 342             | F1332          |       |       |       |  |  |  |  |  |
| 343             | F1336          |       |       |       |  |  |  |  |  |
| 346             | X1347          |       |       |       |  |  |  |  |  |
| 348             | D1353          |       |       |       |  |  |  |  |  |
| 359             | D1400          | N1400 |       |       |  |  |  |  |  |
| 368             | D1433          |       |       |       |  |  |  |  |  |
| 378             | N1473          |       |       |       |  |  |  |  |  |
| 388             | D1509          | M1510 | F1512 | N1512 |  |  |  |  |  |
| 389             | M1514          | F1516 | N1516 |       |  |  |  |  |  |
| 394             | N1533          |       |       |       |  |  |  |  |  |
| 398             | D1543          |       |       |       |  |  |  |  |  |
| 406             | J1582          |       |       |       |  |  |  |  |  |
| 408             | D1589          | N1589 | O1589 |       |  |  |  |  |  |
| 414             | F1616          | N1616 |       |       |  |  |  |  |  |
| 416             | K1622          | L1622 |       |       |  |  |  |  |  |
| 422             | J1646          |       |       |       |  |  |  |  |  |
| 428             | D1669          |       |       |       |  |  |  |  |  |
| 430             | F1680          | N1680 |       |       |  |  |  |  |  |
| 432             | F1688          |       |       |       |  |  |  |  |  |
| 433             | F1692          |       |       |       |  |  |  |  |  |
| 439             | N1713          |       |       |       |  |  |  |  |  |
| 444             | F1736          | N1736 |       |       |  |  |  |  |  |
| 448             | D1749          | F1752 |       |       |  |  |  |  |  |
| 456             | F1784          | N1784 |       |       |  |  |  |  |  |
| 468             | D1829          |       |       |       |  |  |  |  |  |
| 469             | N1833          |       |       |       |  |  |  |  |  |
| 475             | J1858          |       |       |       |  |  |  |  |  |
| 488             | D1909          | Z1912 |       |       |  |  |  |  |  |
| 489             | Z1916          |       |       |       |  |  |  |  |  |
| 495             | N1937          |       |       |       |  |  |  |  |  |
| 500             | N1957          |       |       |       |  |  |  |  |  |
| 508             | D1989          |       |       |       |  |  |  |  |  |
| 522             | Z2048          |       |       |       |  |  |  |  |  |
| 523             | Z2052          |       |       |       |  |  |  |  |  |
| 524             | Z2056          |       |       |       |  |  |  |  |  |
| 528             | D2069          |       |       |       |  |  |  |  |  |
| 547             | Z2148          |       |       |       |  |  |  |  |  |
| 548             | D2149          |       |       |       |  |  |  |  |  |
| 551             | M2162          | Q2162 | F2164 | N2164 |  |  |  |  |  |
| 552             | M2166          | Q2166 | F2168 | N2168 |  |  |  |  |  |
| 558             | D2189          | Z2192 |       |       |  |  |  |  |  |
| 559             | Z2196          |       |       |       |  |  |  |  |  |
| 560             | F2200          | N2200 |       |       |  |  |  |  |  |
| 561             | J2202          |       |       |       |  |  |  |  |  |
| 568             | D2229          |       |       |       |  |  |  |  |  |
| 588             | D2309          |       |       |       |  |  |  |  |  |

| Observation No. | Cell reference |       |       |       |  |  |  |  |  |
|-----------------|----------------|-------|-------|-------|--|--|--|--|--|
| 589             | J2314          |       |       |       |  |  |  |  |  |
| 600             | Z2360          |       |       |       |  |  |  |  |  |
| 608             | D2389          |       |       |       |  |  |  |  |  |
| 612             | J2406          |       |       |       |  |  |  |  |  |
| 628             | D2469          |       |       |       |  |  |  |  |  |
| 631             | J2482          |       |       |       |  |  |  |  |  |
| 642             | J2526          |       |       |       |  |  |  |  |  |
| 646             | Z2544          |       |       |       |  |  |  |  |  |
| 647             | Q2546          | M2547 | F2548 | N2548 |  |  |  |  |  |
| 648             | D2549          |       |       |       |  |  |  |  |  |
| 653             | F2572          | N2572 | Z2572 |       |  |  |  |  |  |
| 654             | F2576          | N2576 | Z2576 |       |  |  |  |  |  |
| 655             | Z2580          |       |       |       |  |  |  |  |  |
| 656             | Z2584          |       |       |       |  |  |  |  |  |
| 657             | Z2588          |       |       |       |  |  |  |  |  |
| 658             | Z2592          |       |       |       |  |  |  |  |  |
| 660             | J2598          |       |       |       |  |  |  |  |  |
| 668             | D2629          |       |       |       |  |  |  |  |  |
| 688             | D2709          |       |       |       |  |  |  |  |  |
| 702             | D2765          |       |       |       |  |  |  |  |  |
| 703             | F2772          | N2772 |       |       |  |  |  |  |  |
| 708             | D2789          | F2792 | N2792 | Z2792 |  |  |  |  |  |
| 712             | J2806          |       |       |       |  |  |  |  |  |
| 713             | D2809          |       |       |       |  |  |  |  |  |
| 728             | D2869          |       |       |       |  |  |  |  |  |
| 734             | J2894          |       |       |       |  |  |  |  |  |
| 738             | J2910          | Z2912 |       |       |  |  |  |  |  |
| 748             | D2949          |       |       |       |  |  |  |  |  |
| 760             | J2998          |       |       |       |  |  |  |  |  |
| 768             | D3029          |       |       |       |  |  |  |  |  |
| 773             | F3052          | N3052 | Z3052 |       |  |  |  |  |  |
| 774             | F3056          | N3056 | Z3056 |       |  |  |  |  |  |
| 775             | Z3060          |       |       |       |  |  |  |  |  |
| 777             | Z3066          |       |       |       |  |  |  |  |  |
| 778             | Z3070          |       |       |       |  |  |  |  |  |
| 780             | J3076          |       |       |       |  |  |  |  |  |
| 788             | D3107          |       |       |       |  |  |  |  |  |
| 808             | D3183          |       |       |       |  |  |  |  |  |
| 826             | F3258          | N3258 | Z3258 |       |  |  |  |  |  |
| 827             | F3262          | N3262 | Z3262 |       |  |  |  |  |  |
| 828             | D3263          | Z3266 |       |       |  |  |  |  |  |
| 841             | AB3310         |       |       |       |  |  |  |  |  |
| 842             | J3314          |       |       |       |  |  |  |  |  |
| 848             | D3337          |       |       |       |  |  |  |  |  |
| 860             | J3382          |       |       |       |  |  |  |  |  |
| 874             | Z3440          |       |       |       |  |  |  |  |  |
| 875             | Z3444          |       |       |       |  |  |  |  |  |
| 876             | K3446          | L3446 |       |       |  |  |  |  |  |

| Observation No. | Cell reference |       |       |  |  |  |  |  |  |
|-----------------|----------------|-------|-------|--|--|--|--|--|--|
| 877             | Z3452          |       |       |  |  |  |  |  |  |
| 878             | Z3456          |       |       |  |  |  |  |  |  |
| 881             | F3468          | Z3468 |       |  |  |  |  |  |  |
| 882             | Z3472          |       |       |  |  |  |  |  |  |
| 883             | Z3476          |       |       |  |  |  |  |  |  |
| 888             | D3493          |       |       |  |  |  |  |  |  |
| 902             | F3552          | Z3552 |       |  |  |  |  |  |  |
| 903             | Z3556          |       |       |  |  |  |  |  |  |
| 904             | Z3560          |       |       |  |  |  |  |  |  |
| 908             | D3569          |       |       |  |  |  |  |  |  |
| 924             | F3636          | Z3636 |       |  |  |  |  |  |  |
| 925             | Z3640          |       |       |  |  |  |  |  |  |
| 926             | Z3644          |       |       |  |  |  |  |  |  |
| 928             | D3649          |       |       |  |  |  |  |  |  |
| 938             | D3689          |       |       |  |  |  |  |  |  |
| 939             | F3696          | N3696 |       |  |  |  |  |  |  |
| 940             | F3700          | N3700 |       |  |  |  |  |  |  |
| 941             | F3704          | Z3704 |       |  |  |  |  |  |  |
| 942             | Z3708          |       |       |  |  |  |  |  |  |
| 943             | Z3712          |       |       |  |  |  |  |  |  |
| 948             | D3729          |       |       |  |  |  |  |  |  |
| 968             | D3809          |       |       |  |  |  |  |  |  |
| 988             | D3889          |       |       |  |  |  |  |  |  |
| 1002            | F3948          | Z3948 |       |  |  |  |  |  |  |
| 1003            | Z3952          |       |       |  |  |  |  |  |  |
| 1004            | Z3956          |       |       |  |  |  |  |  |  |
| 1008            | D3969          |       |       |  |  |  |  |  |  |
| 1020            | F4020          | N4020 |       |  |  |  |  |  |  |
| 1021            | F4024          | Z4024 |       |  |  |  |  |  |  |
| 1022            | Z4028          |       |       |  |  |  |  |  |  |
| 1023            | Z4032          |       |       |  |  |  |  |  |  |
| 1028            | D4049          |       |       |  |  |  |  |  |  |
| 1043            | F4112          | Z4112 |       |  |  |  |  |  |  |
| 1044            | Z4116          |       |       |  |  |  |  |  |  |
| 1045            | Z4120          |       |       |  |  |  |  |  |  |
| 1048            | D4129          |       |       |  |  |  |  |  |  |
| 1055            | F4160          | Z4160 |       |  |  |  |  |  |  |
| 1056            | F4164          | Z4164 |       |  |  |  |  |  |  |
| 1057            | Z4168          |       |       |  |  |  |  |  |  |
| 1058            | Z4172          |       |       |  |  |  |  |  |  |
| 1068            | D4209          |       |       |  |  |  |  |  |  |
| 1069            | F4216          | Z4216 |       |  |  |  |  |  |  |
| 1076            | F4244          |       |       |  |  |  |  |  |  |
| 1077            | D4245          |       |       |  |  |  |  |  |  |
| 1087            | F4288          | Z4288 |       |  |  |  |  |  |  |
| 1088            | D4289          | F4292 | Z4292 |  |  |  |  |  |  |
| 1090            | F4300          |       |       |  |  |  |  |  |  |
| 1091            | F4304          |       |       |  |  |  |  |  |  |



| Observation No. | Cell reference |       |       |       |       |       |       |       |       |
|-----------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
| 1093            | Y4312          | Z4312 |       |       |       |       |       |       |       |
| 1094            | Y4316          | Z4316 |       |       |       |       |       |       |       |
| 1104            | Z4356          |       |       |       |       |       |       |       |       |
| 1108            | D4369          |       |       |       |       |       |       |       |       |
| 1112            | M4386          | Q4386 | F4388 | N4388 |       |       |       |       |       |
| 1128            | D4449          |       |       |       |       |       |       |       |       |
| 1148            | D4529          |       |       |       |       |       |       |       |       |
| 1154            | D4553          |       |       |       |       |       |       |       |       |
| 1161            | D4581          | E4581 |       |       |       |       |       |       |       |
| 1162            | D4583          | E4583 |       |       |       |       |       |       |       |
| 1163            | D4585          | E4585 |       |       |       |       |       |       |       |
| 1164            | D4587          | E4587 |       |       |       |       |       |       |       |
| 1165            | D4589          | E4589 |       |       |       |       |       |       |       |
| 1166            | D4591          | E4591 |       |       |       |       |       |       |       |
| 1167            | D4593          | E4593 |       |       |       |       |       |       |       |
| 1168            | D4595          | E4595 |       |       |       |       |       |       |       |
| 1169            | D4597          | E4597 |       |       |       |       |       |       |       |
| 1170            | D4599          | E4599 |       |       |       |       |       |       |       |
| 1188            | D4667          |       |       |       |       |       |       |       |       |
| 1208            | D4747          |       |       |       |       |       |       |       |       |
| 1228            | D4827          |       |       |       |       |       |       |       |       |
| 1234            | D4851          |       |       |       |       |       |       |       |       |
| 1248            | D4907          |       |       |       |       |       |       |       |       |
| 1272            | K4982          | L4982 | K4983 |       |       |       |       |       |       |
| 1275            | K4994          | L4994 |       |       |       |       |       |       |       |
| 1276            | K4997          | L4997 |       |       |       |       |       |       |       |
| 1277            | K5001          | L5001 |       |       |       |       |       |       |       |
| 1278            | K5005          | L5005 |       |       |       |       |       |       |       |
| 1280            | K5014          | L5014 |       |       |       |       |       |       |       |
| 1288            | D5043          |       |       |       |       |       |       |       |       |
| 1293            | Z5064          |       |       |       |       |       |       |       |       |
| 1298            | K5082          | L5082 |       |       |       |       |       |       |       |
| 1308            | D5121          |       |       |       |       |       |       |       |       |
| 1311            | J5135          |       |       |       |       |       |       |       |       |
| 1312            | U5137          | V5137 | R5139 | F5140 | N5140 | Y5140 | Z5140 |       |       |
| 1313            | S5141          | K5142 | L5143 | R5143 | F5144 | N5144 | Y5144 | Z5144 |       |
| 1314            | K5146          | L5146 | O5147 | R5147 |       |       |       |       |       |
| 1315            | U5149          | V5149 | R5151 | F5152 | N5152 | O5152 | P5152 | Y5152 | Z5152 |
| 1317            | U5158          | V5158 | F5160 | N5160 | Y5160 | Z5160 |       |       |       |
| 1318            | U5161          | V5161 | R5162 | F5163 | N5163 | W5163 | X5163 | F5164 | N5164 |
|                 | Y5164          | Z5164 |       |       |       |       |       |       |       |
| 1319            | S5165          | T5165 | K5166 | L5166 | F5167 | N5167 | W5167 | X5167 | F5168 |
|                 | N5168          | Y5168 | Z5168 |       |       |       |       |       |       |
| 1320            | J5171          | R5172 |       |       |       |       |       |       |       |
| 1321            | U5173          | V5173 | R5174 | K5175 | L5175 | R5175 | F5176 | N5176 | Y5176 |
|                 | Z5176          |       |       |       |       |       |       |       |       |
| 1322            | U5177          | V5177 | R5179 | F5180 | N5180 | Y5180 | Z5180 |       |       |
| 1323            | U5181          | V5181 | F5183 | N5183 | P5183 | W5183 | X5183 | F5184 | N5184 |

| Observation No. | Cell reference |       |       |       |       |       |       |       |       |
|-----------------|----------------|-------|-------|-------|-------|-------|-------|-------|-------|
|                 |                |       |       |       |       |       |       |       |       |
|                 | P5184          | Q5184 | R5184 | Y5184 | Z5184 |       |       |       |       |
| 1324            | S5185          | T5185 | K5186 | L5186 | F5187 | N5187 | P5187 | W5187 | X5187 |
|                 | F5188          | N5188 | P5188 | Q5188 | R5188 | Y5188 | Z5188 |       |       |
| 1325            | R5192          |       |       |       |       |       |       |       |       |
| 1326            | R5195          | F5196 | N5196 | Y5196 | Z5196 |       |       |       |       |
| 1327            | S5197          | R5198 | R5199 | F5200 | N5200 | P5200 | Y5200 | Z5200 |       |
| 1328            | D5201          | S5201 | R5202 | R5203 | F5204 | N5204 | P5204 | Y5204 | Z5204 |
| 1329            | K5207          | R5208 |       |       |       |       |       |       |       |
| 1329A           | K5210          | L5210 | R5210 | K5211 | L5211 | K5212 | L5212 | N5212 | R5212 |
| 1330            | K5214          | L5214 | F5216 | N5216 | Y5216 | Z5216 |       |       |       |
| 1331            | S5217          | T5217 | R5218 | K5219 | L5219 | R5220 |       |       |       |
| 1332            | K5223          | L5223 | F5224 | N5224 | Y5224 | Z5224 |       |       |       |
| 1333            | R5227          | F5228 | N5228 | Y5228 | Z5228 |       |       |       |       |
| 1334            | F5232          | N5232 | P5232 | Y5232 | Z5232 |       |       |       |       |
| 1335            | R5235          | F5236 | N5236 | Y5236 | Z5236 |       |       |       |       |
| 1336            | S5237          | T5237 | F5239 | H5239 | N5239 | W5239 | X5239 | F5240 | N5240 |
|                 | Y5240          | Z5240 |       |       |       |       |       |       |       |
| 1337            | I5242          | J5242 | K5242 | L5242 | P5242 | Q5242 | R5242 | Y5242 | Z5242 |
|                 | F5243          | N5243 | W5243 | X5243 | Y5243 |       |       |       |       |
| 1347            | D5281          |       |       |       |       |       |       |       |       |
| 1348            | D5285          |       |       |       |       |       |       |       |       |
| 1355            | F5316          |       |       |       |       |       |       |       |       |