



WILKINSON ASSOCIATES

Environmental Consultants

Imperial Wharf, Gravesend, Kent

Installation of two additional bitumen tanks, load out gantry, the installation of a bitumen emulsion plant and alternative car parking

PRELIMINARY ECOLOGICAL APPRAISAL



Prepared for: PDE Consulting Ltd
On behalf of: FM Conway Limited
Report Date: June 2022
Author: Jan Wilkinson MCIEEM
Our Ref: A2103/PEA v2 Final

IMPERIAL WHARF, GRAVESEND: PRELIMINARY ECOLOGICAL APPRAISAL

REPORT PREPARED FOR:

PDE Consulting Limited
6 Forbes Business Centre
Kempson Way
Bury St Edmunds
Suffolk
IP32 7AR

ON BEHALF OF:

FM Conway Limited

SITE LOCATION:

Clifton Marine Parade, Gravesend, Kent DA11 0DY
National Grid Reference (NGR): TQ63927447

REPORT AUTHOR AND CONTACT DETAILS:

Jan Wilkinson BSc (Hons), MCIEEM
Wilkinson Associates Environmental Consultants Ltd.
Annie Potts Cottage
Great Sutton, Stanton Lacy
Ludlow, Shropshire
SY8 2AJ

Tel: 07764 677433

E-mail: jan@wilkinsonassociates.co.uk

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This report has been prepared in accordance with the Chartered Institute of Ecology and Environmental Management's *Guidelines for Preliminary Ecological Appraisal, 2nd edition* (CIEEM 2017) and the *Guidelines for Ecological Report Writing* (CIEEM 2015). It has also been prepared in accordance with CIEEM's *Code of Professional Conduct* (CIEEM 2013) and in compliance with *BS42020 Biodiversity – Code of Practice for Planning and Development*.

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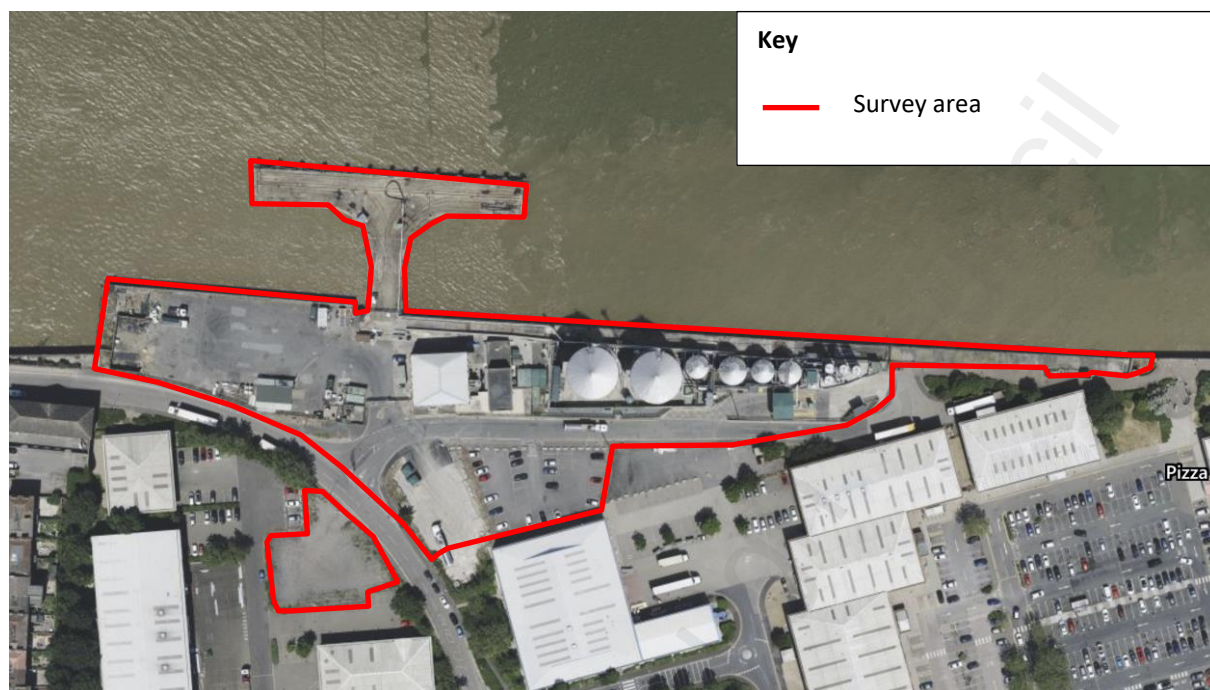
1 INTRODUCTION

1.1 Background and terms of reference

- 1.1.1 Wilkinson Associates was commissioned by PDE Consulting Limited, on behalf of FM Conway Limited (the Applicant), to undertake a Preliminary Appraisal (PEA) in connection with a proposal for the installation of two additional bitumen tanks, load out gantry, the installation of a bitumen emulsion plant and alternative car parking on land at Imperial Wharf, Clifton Marine Parade, Gravesend, Kent (the Site). This report presents the findings of the PEA.
- 1.1.2 The purpose of the PEA is to identify any likely ecological constraints associated with the proposed development and to identify any requirements for further surveys, assessment, mitigation and biodiversity enhancement to ensure compliance with relevant legislation, biodiversity policy and best practice guidelines/advice.
- 1.1.3 The PEA draws on ecological information obtained from several sources, including a desk study and an ecological walkover survey. The key information sources used in the PEA are referenced or appended to this document as appropriate.
- 1.1.4 The PEA has been undertaken by an experienced ecologist, Jan Wilkinson BSC (Hons) MCIEEM, who has extensive experience of undertaking ecological surveys and assessments. She also has considerable experience of preparing mitigation schemes for a wide range of protected species groups.

1.2 Site description

- 1.2.1 The Site covers an area of 0.7 hectares (ha) and is situated on the south bank of the River Thames, approximately 0.9 km to the north west of the centre of Gravesend. The Site's immediate surrounds consist of industrial and retail development, located to the south, east and west, with the River Thames to the north.
- 1.2.2 The wider land under the control of the Applicant is already used for the storage of highway grade bitumen which is imported via shipping tankers through the existing deep water jetty facility. The stored bitumen is subsequently distributed via road. The Site and the wider bitumen storage facility and wharfage are under the control of the Applicant and they have a long history of previous industrial development. The Proposed Development essentially comprises a redistribution of the Applicant's existing facilities, together with some new infrastructure.
- 1.2.3 The National Grid Reference (NGR) for the approximate centre of the Site is TQ63927447. Figure 1 (overleaf) shows the approximate Site boundary overlaid onto an aerial photograph.

Figure 1: Site location and boundary

1.3 Outline of development proposals

- 1.3.1 The proposed development is described fully in the Planning Application and Supporting Statement prepared by PDE Consulting Limited, which also contains a set of drawings showing the site location, current situation and the proposals. A brief summary is provided here in order to set the context for the PEA.
- 1.3.2 The Proposed Development comprises four main aspects: the two additional bitumen storage tanks, the load out gantry, the emulsion plant and the provision of alternative car parking.
- 1.3.3 The two additional bitumen storage tanks will be located on an area of land currently used for car parking, located to the south of Clifton Marine Parade. The emulsion plant will be located adjacent to the east of the Technology Centre, contained within the matrix of the already built development, with the load out gantry located to the west of The White House. Alternative car parking provision will be made on land to the west of the proposed bitumen storage tanks, on the opposite side of Clifton Marine Parade. New dedicated HGV parking is also proposed on land immediately west of the proposed bitumen storage tanks and on land to the west of the new load out gantry.
- 1.3.4 The Proposed Development will operate in much the same way as the existing bitumen storage facility has done so to date, albeit with the additional new infrastructure and some additional HGV movements.

2 PLANNING POLICY AND LEGISLATION

2.1 National and local planning policy

- 2.1.1 The updated National Planning Policy Framework (NPPF) published in July 2021¹ provides the policy context for the assessment of ecological effects by setting out national planning policies, including those relating to conserving and enhancing the natural environment (Section 15). The framework sets out the ways in which planning policies and decisions should contribute to and enhance the natural and local environment, including by protecting and enhancing sites of biodiversity value and by minimising impacts on and providing net gains for biodiversity. When determining planning applications, planning permission should be refused if significant harm to biodiversity cannot be avoided, adequately mitigated, or as a last resort compensated for.
- 2.1.2 Particular emphasis in the NPPF is given to the protection of Sites of Special Scientific Interest and irreplaceable habitats such as ancient woodland. Opportunities to improve biodiversity in and around developments should be integrated as part of their design, especially where this can secure measurable net gains for biodiversity or enhance public access to nature where this is appropriate. It also makes clear that the presumption in favour of sustainable development does not apply where the proposal is likely to have a significant effect on a European/habitats site (either alone or in combination with other plans or projects), unless an appropriate assessment has concluded that the plan or project will not adversely affect the integrity of the habitats site.
- 2.1.3 Gravesham Local Plan Core Strategy (Adopted September 2014) sets out the spatial vision, strategy and planning policies for the Borough². With regard to biodiversity, the following policy is relevant:
- Policy CS12: Green Infrastructure
- 2.1.4 Policy CS12 states that Sites designated for their biodiversity value will be protected, with the highest level of protection given to internationally designated Special Protection Areas, Special Areas of Conservation and Ramsar sites, followed by nationally designated Sites of Special Scientific Interest, followed by Local Wildlife Sites and then by other areas of more local importance for biodiversity.
- 2.1.5 There will be no net loss of biodiversity in the Borough, and opportunities to enhance, restore, re-create and maintain habitats will be sought, in particular within the

¹ <https://www.gov.uk/guidance/national-planning-policy-framework>

² <https://drive.google.com/file/d/1bJTgQLmhbjqZFibI-5WFb2tbvixXpLk/view>

Biodiversity Opportunity Areas shown on the Strategic Green Infrastructure Network map and within new development.

- 2.1.6 Where a negative impact on protected or priority habitats/species cannot be avoided on development sites and where the importance of the development is considered to outweigh the biodiversity impact, compensatory provision will be required either elsewhere on the site or off-site, including measures for ongoing maintenance.

2.2 Legislative framework

- 2.2.1 The ecological assessment process is underpinned by a legislative framework which provides statutory protection for certain designated sites and protected species and also provides the legal basis for the consideration of biodiversity, habitats and species. Many sites and species have multiple designations/levels of protection under more than one piece of legislation. In the brief outline that follows, sites and species relevant to the current proposal are listed under their highest level of relevant legislation; more information is given in Section 4 (Baseline Conditions).
- 2.2.2 Key legislation which the proposed development must ensure compliance with is highlighted in the following paragraphs, together with an indication of any sites and species which have been identified as requiring particular consideration in the current assessment.

European legislation

- 2.2.3 The Conservation of Habitats and Species Regulations 2017 (as amended) implement the Habitats Directive (Council Directive 92/43/EEC) in England and Wales and provide statutory protection for habitats and species which are considered to be of importance at an international level. These include Special Areas of Conservation (SACs), Special Protection Areas for Birds (SPAs) and European Protected Species (EPS), which include all native bats, great crested newts, dormice, otters and certain reptiles. Ramsar sites are afforded the same protection at a policy level as SPAs.
- 2.2.4 Following the UK's departure from the European Union, the provisions of the 2017 Regulations have been retained through enactment of the Conservation of Habitats and Species (Amendment) (EU Exit) Regulations 2019 (known as "the 2019 Regulations"), which came into force on 31 December 2020. As these sites were in existence prior to 31st December 2020 they are still referred to as European Sites; however, the network of these sites within the UK is now also referred to as the National Site Network (NSN) or a specific site as a National Site Network Site (NSNS).

UK designated sites and protected species legislation

- 2.2.5 The Wildlife and Countryside Act 1981 (as amended) provides the statutory basis for the designation and protection of Sites of Special Scientific Interest (SSSIs) and

National Nature Reserves (NNRs). It also provides legal protection for UK protected species; these can receive differing levels of protection depending on which Schedules of the Act they are listed under.

- 2.2.6 Certain invasive non-native species (INNS) are listed under Schedule 9 of the Wildlife and Countryside Act.
- 2.2.7 The Protection of Badgers Act 1992 provides specific legal protection to badgers and their setts.

Biodiversity legislation and policy

- 2.2.8 Habitats and species which are considered to be priorities for conservation at a UK level were originally identified in the UK Biodiversity Action Plan (UK BAP). The UK BAP was replaced by the UK Post-2010 Biodiversity Framework (JNCC and DEFRA, 2012), under which the focus changed to listing priority species and habitats at a country level. The England Biodiversity Strategy was later replaced by Biodiversity 2020: A strategy for England's wildlife and ecosystem services (2011). However, the UK BAP lists remain a valuable reference source and UK BAP habitats and species are still frequently referred to in local planning policies and local BAPs.
- 2.2.9 Habitats and species which are considered to be priorities for conservation in England are listed as habitats and species of principal importance under Section 41 of the Natural Environment and Rural Communities Act 2006 ("NERC Act"). There are 56 habitats and 943 species of principal importance on the S41 list; these are known as Priority habitats and species and all local authorities must have particular regard to this list when carrying out their functions, including when determining planning applications. The NERC Act also places a duty on public bodies to conserve biodiversity and to consider its enhancement in all of their actions.
- 2.2.10 The Environment Bill received Royal Assent on 9 November 2021 and became the Environment Act 2021. The Act includes a target to halt the decline of nature by 2030, and mandates Biodiversity Net Gain (BNG) for developments. Mandatory BNG is likely to become law in 2023 via an amendment to the Town & Country Planning Act (TCPA). In the meantime, existing and emerging legislation and policy encourages developers to design net gain into their projects. This PEA includes proposals for delivering net gain.

3 METHODOLOGY

3.1 Scope of the assessment

- 3.1.1 A Screening and Scoping Report prepared by PDE Consulting Ltd (November 2021) provides a brief description of the proposed development and outlines the proposed scope of the environmental studies which will be included within the planning application. Subsequently, Gravesham Council has confirmed that the proposed application does not constitute EIA development.
- 3.1.2 With regard to Environmental Sensitivity, Gravesham Borough Council's Delegated Report from the Screening Opinion Application notes the following:
- The site of the development is adjacent to an existing operating wharf and within a mixed business area of commercial development (light industry) and a retail park.
 - The development site is not within an environmentally sensitive location as defined in the Regulations (not SSSI, AoNB, world heritage site etc.), nor is the site in close proximity to such a sensitive area such as to have significant effects on the special character of any of the types of 'sensitive area'.
 - There are no sites in and around the location that are protected under international or national or local legislation for their ecological or landscape value that would be affected by the development.
 - It should be noted that Natural England were consulted on the screening opinion and have determined that, in so far as statutory designated sites, landscapes and protected species are concerned, an Environmental Impact Assessment (EIA) is not required for this application as significant effects are unlikely.
- 3.1.3 However, Gravesham Borough Council considers that a Preliminary Ecological Appraisal report should be included with the application.
- 3.1.4 The Zone of Influence (Zoi) for the assessment (study area) is 1 km for most identified ecological receptors, with the exception of sites of International importance which are considered at a distance of up to 5 km. The Zoi for SSSIs is identified with respect to their individual Impact Risk Zones on the MAGIC website (see Section 4). The size of the Zoi has been determined taking into account the location, scale and nature of the proposal as well as the preliminary desk study findings which indicated the locations and proximity of sensitive ecological receptors. In this instance, it is considered that potential impacts beyond the identified Zoi are highly unlikely to occur. Sites and species lying to the north of the River Thames have not been considered within this PEA as it is considered that there is no risk of potential impacts affecting ecological interests on the north side of the river.

3.2 Desk study

- 3.2.1 A desk study was carried out to identify designated sites and protected or biodiversity priority habitats and species which could potentially be affected by the proposals.
- 3.2.2 The primary sources of information for the desk study were the following:
- The Multi-Agency Geographic Information for the Countryside (MAGIC)³ website was searched for records of designated sites and other relevant ecological features within the Zol.
 - Kent and Medway Biological Records Centre (KMBRC) was commissioned to undertake a data search for protected/priority species and designated sites within the Zol (see Appendix 1).

3.3 Ecological survey

- 3.3.1 An ecological walkover survey was carried out on 16th June 2021 by Jan Wilkinson BSc (Hons) MCIEEM, an experienced ecologist with more than 20 years' experience of carrying out habitat and species surveys. The survey included an assessment of the ecological value of the Site and adjacent habitats and their potential to support protected or priority species and habitats.
- 3.3.2 In view of the fact that the entire Site has been previously developed and contains no significant semi-natural habitats or landscaping, the ecological survey focused on noting any areas of temporary "weed" development around the periphery of the Site as well as assessing the interface between the Site and the River Thames.
- 3.3.3 A Habitat Map was not prepared as no semi-natural habitats are present. A description of the features identified during the survey is provided in Section 4 of the PEA, together with a selection of illustrative photographs.

Conditions and limitations

- 3.3.4 The weather on the day of the June 2021 survey was dry, hot and sunny. The season and weather conditions were appropriate for carrying out the surveys and there were no significant constraints affecting the survey findings.

³ www.magic.gov.uk

4 BASELINE ECOLOGICAL CONDITIONS

4.1 Designated sites

- 4.1.1 The information underpinning this section of the report was obtained from the KMBRC data search supplemented by the MAGIC website, with additional information and citations on Natural England and JNCC websites as appropriate.
- 4.1.2 There are no sites designated for their International nature conservation value within 1 km of the Application Site; however, there is one site within the extended 5 km Zol for Internationally designated sites: Thames Estuary & Marshes Ramsar, which is located approximately 3.2km to the east of the Site at its closest point. Taking into account the location, scale and nature of the proposed development, potential impacts on this site or on internationally designated sites beyond a 5 km radius are considered to be highly unlikely to occur.
- 4.1.3 There are no Sites of Special Scientific Interest (SSSIs) or other sites of National importance within the 1 km Zol.
- 4.1.4 There are no non-statutory sites of County or Local importance within the 1 km Zol.

4.2 Habitats and flora

Priority habitats within 2 km

- 4.2.1 The MAGIC database includes records for two priority habitats within the 1 km Zol (excluding habitats on the north side of the River Thames). These are:
- Mudflats; and
 - Deciduous woodland.
- 4.2.2 There are small areas of mudflat along the bank of the River Thames to the east of the wharf. Scattered pockets of woodland occur in several locations within the urban area to the south, the closest of which is about 315m from the Site at its closest point.

Site description and habitats

- 4.2.3 As can be seen in Figure 1, the Site comprises existing industrially developed land with buildings, roads, storage tanks, areas of hardstanding and a deep water jetty. No significant semi-natural habitats are present and vegetation is limited to the following small fragments:
- The area of land proposed for alternative car parking, located to the south west of Clifton Marine Parade, was being used for storage of IBC containers, road cores etc. It comprised stone hardstanding and was mostly bare of vegetation, but small

areas around the periphery had developed some cover of ephemeral “weed” vegetation supporting native and introduced species such as bristly oxtongue (*Helminthotheca echioides*), red valerian (*Centranthus ruber*), ribwort plantain (*Plantago lanceolata*), mugwort (*Artemisia vulgaris*), wild carrot (*Daucus carota*), barren brome (*Anisantha sterilis*), weld (*Reseda luteola*) and common poppy (*Papaver rhoeas*). Adjacent to the boundary security fencing there was also some scattered butterfly-bush (*Buddleja davidii*), bramble (*Rubus fruticosus*) and wild clematis (*Clematis vitalba*).

- A very small area on the western edge of the Site, adjacent to the river wall, supported similar ephemeral and scrubby vegetation on stone hardstanding. Species recorded here included red valerian, wild clematis and butterfly-bush.

4.2.4 The river wall adjacent to the Site comprises pilings (to the west of the jetty) and concrete (to the east of the jetty) and offers no habitat for flora and fauna. The tide was high at the time of survey so no mudflat area could be observed.

4.2.5 Illustrative photographs of the Site are shown in Figure 2 at the end of the report.

Non-native invasive species

4.2.6 No potentially invasive non-native species (INNS) were recorded during the survey and no records from within or close to the site were included in the KMBRC data.

4.3 Fauna

4.3.1 No fauna species were recorded within the Site during the survey and no habitats or features likely to support protected or priority species are present.

4.3.2 The KMBRC data included a number of records of protected and conservation priority species from within the 1km area of search (5km for bats). The summary data are included in Appendix 1 and they include records of bats, birds, mammals, amphibians and reptiles. None of the records were from within or close to the Site, and in view of the absence of habitats or features likely to support protected or priority species no further analysis of the datasearch records has been carried out.

4.4 Ecological Evaluation

4.4.1 The Site mostly comprises hardstanding and built structures and does not support any habitats or species of appreciable ecological importance. The small areas of ephemeral and scrub development around the proposed alternative car parking are assessed to be of low ecological value at a Site level.

5 IMPACT ASSESSMENT, MITIGATION AND ENHANCEMENT MEASURES

5.1 Introduction

- 5.1.1 The survey and desk study data have been used to identify any significant ecological constraints which are likely to arise in connection with the proposed development. This comprises a Preliminary Ecological Appraisal rather than a full Ecological Impact Assessment (EclA), but given the nature and small scale of the proposals and the habitats present on the Site a full EclA is not considered to be necessary.

5.2 Designated sites

- 5.2.1 The only designated site within the ZOI is Thames Estuary & Marshes Ramsar, which is located approximately 3.2km to the east of the Site at its closest point. No potential impacts on the Ramsar site are anticipated at this distance in connection with the proposed development. Potential impacts on designated sites are therefore scoped out of the assessment.

5.3 Habitats and flora

- 5.3.1 The Proposed Development will not affect any habitats of ecological importance. The small areas of ephemeral and scrub development around the proposed alternative car parking have been assessed to be of low ecological value at a Site level and their loss will not constitute a significant impact on biodiversity resources.
- 5.3.2 No invasive non-native plant species such as Japanese knotweed, giant hogweed or Himalayan balsam were identified on site during the survey or desk study.

5.4 Fauna

- 5.4.1 No fauna species were observed within the Site during the survey or identified during the desk study, and the Application Site does not support habitat suitable for any protected or notable fauna. No impacts on fauna are therefore anticipated.

5.5 Potential impacts on the River Thames

- 5.5.1 The potential for direct or indirect ecological impacts to affect the River Thames has been considered. None of the elements of the application have a direct interface with the River Thames and all the proposed structures will be set back from the sea wall. There will be no intensification of operations at the Site. Whilst there will be a small increase in HGV movements, the main objective of the development is one of resilience, so the facility will hold more bitumen but this is unlikely to result in an increase in shipping traffic.

- 5.5.2 In terms of drainage, surface water from the parking and yard areas is proposed to be discharged through the existing surface water discharge point into the Thames, but this will be accompanied by appropriate oil and sediment treatment systems to prevent the mobilisation of contaminants. No water will be allowed to infiltrate or discharge from the areas around the bitumen tanks.
- 5.5.3 It is therefore anticipated that there will be no additional adverse impacts on the River Thames compared to the existing operations at the Site.

5.6 Mitigation measures

- 5.6.1 As no adverse impacts on ecological interests have been identified, no mitigation measures are required.

5.7 Biodiversity enhancement measures

- 5.7.1 It is proposed that biodiversity enhancement measures should be incorporated into the landscaping scheme for the car park area. The recommendation is that this should include native nectar-rich flowering and fruiting shrub species to provide a foraging resource for invertebrates (e.g. bees) and a food source for birds. Appropriate species in this location could include hawthorn (*Crataegus monogyna*), common dogwood (*Cornus sanguinea*), field rose (*Rosa arvensis*), small-flowered sweet-briar (*Rosa micrantha*) and broom (*Cytisus scoparius*).

6 SUMMARY AND CONCLUSIONS

6.1 A Preliminary Ecological Appraisal (PEA) has been carried out in connection with a proposal for the installation of two additional bitumen tanks, load out gantry, the installation of a bitumen emulsion plant and alternative car parking on land at Imperial Wharf, Clifton Marine Parade, Gravesend, Kent (the Site). The key findings of the PEA are as follows:

- No designated sites will be affected by the proposed development.
- No Priority Habitats or other habitats of significant ecological importance will be affected by the proposed development.
- No legally protected/Priority or other species of ecological importance will be affected by the proposed development.
- No further surveys for protected species or other wildlife groups are considered necessary.
- No potential direct or indirect impacts on the River Thames have been identified.
- No mitigation measures are considered necessary.

6.2 It is proposed that biodiversity enhancement measures should be incorporated into the landscaping scheme for the car park area, including the planting of native nectar-rich flowering and fruiting shrub species to provide a foraging resource for invertebrates (e.g. bees) and a food source for birds.

6.3 In conclusion, the proposed development will not have any significant adverse impacts on valued ecological resources.

7 REFERENCES

CIEEM, 2017. *Guidelines on Ecological Report Writing. 2nd edition.* Chartered Institute of Ecology and Environmental Management, Winchester.

CIEEM, 2017. *Guidelines Preliminary Ecological Appraisal. 2nd edition.* Chartered Institute of Ecology and Environmental Management, Winchester.

PDE Consulting Ltd., November 2021. *Report to accompany a request for Screening and Scoping Opinions. Planning application to allow for the installation of two additional bitumen tanks, load out gantry, the installation of a bitumen emulsion plant and alternative car parking. Imperial Wharf, Clifton Marine Parade, Gravesend, Kent DA11 0DY.* Report prepared on behalf of FM Conway Limited.

Figure 3 Photographs

1. View of Site looking east from western boundary



2. View of existing deep water jetty from north western corner of Site



3. Existing compound on west side of Site



4. The White House (offices) and two of the existing bitumen tanks



5. View showing concrete river wall to east of wharfage



6. View showing piling river wall to west of wharfage



7. View of jetty structure



8. View of wharfage with rail lines and other infrastructure



9. Proposed alternative car parking area with sparse peripheral vegetation (NB trees are outside the Site)



10. Another view of proposed alternative car parking area



11. Existing car park proposed for installation of 2 silos and HGV parking



12. View east along Clifton Marine Parade



APPENDIX 1

Extracts from KMBRC Datasearch Report

Our Reference: **ENQ/22/236**
Your Reference: **A2103**

Kent and Medway Biological Records Centre
report regarding
Imperial Wharf.

on behalf of
Jan Wilkinson
Wilkinson Associates Environmental Consultants Ltd

09/06/2022

This report is not a comprehensive ecological survey of the area in question, but can usefully form part of desktop studies to assist competent persons in ecological assessments to determine species and/or habitats reasonably likely to be present in a particular area.

This report was compiled using data held at KMBRC at the time of printing. The KMBRC takes data validation seriously but cannot be held responsible for the accuracy of the data included in this report.

Enclosed within this report is the following information specific to the enquiry site :

- Protected Species Inventory ☒
- Kent Rare and Scarce Species Inventory ☒
- Conservation Concern Species Inventory ☒
- Invasive Species List ☒
- SSSI Risk Zones map and report ☐
- Bird List ☒
- Bat List ☒
- Bat Roost Map ☒
- Designated Areas Map ☒
- Kent Habitat Survey Map ☐
- Biodiversity Action Plan Habitat Map ☐

Bespoke Reports:

Protected Species Inventory

Brogdale Farm Office, Brogdale Road, Faversham ME13 8XZ
Tel: (01795) 532385
Fax: (01795) 532386
E-Mail: info@kmbrc.org.uk
Web: www.kmbrc.org.uk



**Biological
Records Centre**

Area requested - Imperial Wharf.

Enquiry on behalf of Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd

09/06/2022 ENQ/22/236

1km radius search surrounding - TQ63927447

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Hyacinthoides non-scripta</i>	Bluebell	WCA8	SR00027900000CNK	1971 - 1980	TQ67G	Tetrad TQ67G - Northfleet
<i>Anacamptis pyramidalis</i>	Pyramidal Orchid	CITES	SR0001450003CEVS	13/06/2017	TQ6273	Northfleet south
<i>Neotinea ustulata</i>	Burnt Orchid	CITES	SR00014500000QHQ	1899	TQ67	Gravesend
<i>Orchis anthropophora</i>	Man Orchid	CITES	SR00014500000Q8Y	1724	TQ67	Northfleet
<i>Orchis purpurea</i>	Lady Orchid	CITES	SR00014500000Q8X	1724	TQ67	Northfleet
<i>Lucanus cervus</i>	Stag Beetle	ECH_II, Bern_III, WCA5(p)	SR0001450000R851	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R852	20/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R853	25/05/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R854	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R855	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R858	20/06/1998	TQ640737	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R8F1	09/06/2006	TQ646735	
<i>Lucanus cervus</i>	Stag Beetle	"	SR000266000045BI	15/06/1993	TQ67L	Gravesend (south)
<i>Bufo bufo</i>	Common Toad	WCA5(p)	SR000266000040WP	08/03/1991	TQ67L	Gravesend (south)
<i>Bufo bufo</i>	Common Toad	"	SR000279000003VE	08/03/1991	TQ67L	TQ67L - Gravesend
<i>Rana temporaria</i>	Common Frog	ECH_V, Bern_III, WCA5(p)	SR0001450004N3P4	2008	TQ6373	[Private Address]
<i>Rana temporaria</i>	Common Frog	"	SR0001450004N08I	21/06/2006	TQ638733	[Private Address]
<i>Rana temporaria</i>	Common Frog	"	SR0001450004MXLQ	27/04/2020	TQ64047372	No Site Name Provided
<i>Rana temporaria</i>	Common Frog	"	SR0001450004MXLR	27/04/2020	TQ64047372	No Site Name Provided
<i>Rana temporaria</i>	Common Frog	"	SR00014500008YGD	February 2009	TQ640735	
<i>Lissotriton helveticus</i>	Palmate Newt	Bern_III, WCA5(p)	SR000279000003SI	16/04/1984	TQ67H	TQ67H - Northfleet
<i>Lissotriton helveticus</i>	Palmate Newt	"	SR00026600003SXM	16/04/1984	TQ67H	Northfleet (riverside)
<i>Lissotriton vulgaris</i>	Smooth Newt	Bern_III, WCA5(p)	SR000278000004W4	11/04/1984	TQ6274	Northfleet
<i>Lissotriton vulgaris</i>	Smooth Newt	"	SR0001450004MXMI	24/06/2020	TQ65057429	No Site Name Provided
<i>Lissotriton vulgaris</i>	Smooth Newt	"	SR000279000003SH	16/04/1984	TQ67H	TQ67H - Northfleet
<i>Lissotriton vulgaris</i>	Smooth Newt	"	SR00026600003SXX	16/04/1984	TQ67H	Northfleet (riverside)

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Triturus cristatus</i>	Great Crested Newt	ECH_II, Bern_II, WCA5, CRoW	SR00026600003R8M	1981 - 1990	TQ67H	Northfleet (riverside)
<i>Anguis fragilis</i>	Slow-worm	Bern_III, WCA5(p)	SR0001450004MV15	29/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV16	29/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV17	29/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV18	29/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0V	25/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0W	25/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0Y	28/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0Z	28/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV10	28/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV11	28/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MQ00	20/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0S	20/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0U	25/09/2017	TQ63377353	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV13	29/09/2017	TQ63377353	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV14	29/09/2017	TQ63377353	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV1B	06/10/2017	TQ63377353	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O5	15/04/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O6	23/04/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O7	01/05/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O8	21/05/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O9	29/05/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114OA	04/06/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	DSS0041900000JWA	15/08/2009	TQ67	Shorne Marshes
<i>Anguis fragilis</i>	Slow-worm	"	SR00026600003R8O	1981 - 1990	TQ67L	Gravesend (south)
<i>Zootoca vivipara</i>	Common Lizard	Bern_III, WCA5(p)	SR0001450003T1MX	1903	TQ6473	Gravesend
<i>Zootoca vivipara</i>	Common Lizard	"	DSS0041900000JVQ	15/08/2009	TQ67	Shorne Marshes
<i>Natrix helvetica</i>	Grass Snake	Bern_III, WCA5(p)	SR00026600003SXL	16/04/1984	TQ67H	Northfleet (riverside)
<i>Natrix helvetica</i>	Grass Snake	"	SR000279000003SJ	16/04/1984	TQ67H	TQ67H - Northfleet
<i>Natrix helvetica</i>	Grass Snake	"	SR00026600003R8N	1981 - 1990	TQ67L	Gravesend (south)
<i>Halichoerus grypus</i>	Grey Seal	ECH_II, Bonn_II, Bern_III	SR0004050000151Z	15/11/2013	TQ6484574828	Gravesend
<i>Halichoerus grypus</i>	Grey Seal	"	SR0004050000150T	28/04/2014	TQ6484574828	gravesend
<i>Halichoerus grypus</i>	Grey Seal	"	SR000405000014SL	06/02/2015	TQ6484574828	Gravesend
<i>Halichoerus grypus</i>	Grey Seal	"	SR000405000014U8	17/01/2013	TQ6484574828	Gravesend

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Halichoerus grypus</i>	Grey Seal	"	SR0004050000071V	06/05/2012	TQ6487074495	Graesend Canal Basin
<i>Phoca vitulina</i>	Harbour Seal	ECH_II, ECH_V, Bonn_II, Bern_III	SR000405000014ZC	10/10/2014	TQ6484574828	Gravesend
<i>Phoca vitulina</i>	Harbour Seal	"	SR0004050000151U	14/02/2014	TQ6484574828	Gravesend
<i>Phoca vitulina</i>	Harbour Seal	"	SR0004050000151W	12/01/2014	TQ6484574828	Gravesend
<i>Balaenoptera acutorostrata</i>	Minke Whale	ECH_IV, Bern_III, WCA5, CRoW	SR0004050000150Y	2013	TQ6374	tilbury
<i>Phocoena phocoena</i>	Common Porpoise	ECH_II, Bern_II, WCA5, CRoW, OSPAR	SR00040500001510	04/04/2014	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR0004050000150V	25/04/2014	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014ZD	10/10/2014	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR0004050000150U	26/04/2014	TQ6484574828	gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014QB	13/04/2015	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014V2	01/05/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014V3	04/05/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014UT	19/04/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014UV	21/04/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014UX	22/04/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014V1	30/04/2013	TQ6487074495	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR0004050000071W	21/07/2012	TQ6487074495	Gravesend Canal Basin
<i>Meles meles</i>	Eurasian Badger[†]	Bern_III, Badger Act	SR00014500008UL9	December 2008	TQ6373	
<i>Erinaceus europaeus</i>	West European Hedgehog	Bern_III	SR0002660000358O	05/03/1999	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000266000039M3	22/05/2000	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600003AXK	16/07/2000	TQ67G	Northfleet

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600003D2V	03/06/2001	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600002TS6	06/03/1996	TQ67L	Gravesend (south)
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000279000003VD	17/07/1991	TQ67L	TQ67L - Gravesend
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000266000041U1	17/07/1991	TQ67L	Gravesend (south)
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600002V8P	July 1996	TQ67M	Gravesend

[†] The prominent badger dataset is held with another recording group, please refer to cover sheets for further details.

Gravesham Borough Council

Kent Rare & Scarce Species Inventory

Brogdale Farm Office, Brogdale Road, Faversham ME13 8XZ

Tel: (01795) 532385

Fax: (01795) 532386

E-Mail: info@kmbrc.org.uk

Web: www.kmbrc.org.uk



**Biological
Records Centre**

Area requested - Imperial Wharf.

Enquiry on behalf of Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd

09/06/2022 ENQ/22/236

1km radius search surrounding - TQ63927447

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Chara globularis</i>	Chara globularis	Kent RDB2	SR00014500007SE2	1829	TQ67	Northfleet Brooks
<i>Chara virgata</i>	Delicate Stonewort	Kent RDB2	SR00014500007T3A	1830	TQ67	Northfleet Brooks
<i>Gymnocarpium dryopteris</i>	Oak Fern	RedList_ENG_post2001-NT	SR00014500008VPQ	December 2002	TQ638737	Campbell Road Pit, Gravesend ... Flora
<i>Pinus sylvestris</i>	Scots Pine	NS-excludes	SR00014500000RQX	1971	TQ67	Swanscombe
<i>Carum carvi</i>	Caraway	NS-excludes, RedList_ENG_post2001-CR, RedList_GB_post2001-EN	SR000279000003XR	1971 - 1980	TQ67M	TQ67M - Gravesend
<i>Scandix pecten-veneris</i>	Shepherd's-needle	Kent RDB3, RedList_ENG_post2001-EN, RedList_GB_post2001-CR	SR00014500003L7Z	1919	TQ67	Northfleet, near Northfleet
<i>Sium latifolium</i>	Greater Water-parsnip	NS-excludes, RedList_ENG_post2001-EN, RedList_GB_post2001-EN	SR00014500000QAT	1837	TQ67	Northfleet nr
<i>Muscari neglectum</i>	Grape-hyacinth	NR-excludes	SR000279000007PJ	1971 - 1980	TQ67G	TQ67G - Northfleet
<i>Muscari neglectum</i>	Grape-hyacinth	"	SR000279000003SW	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Scilla autumnalis</i>	Autumn Squill	NS-excludes	SR00014500000Q9H	1809	TQ67	Chalk
<i>Scilla autumnalis</i>	Autumn Squill	"	SR00014500000QA3	1829	TQ67	Shorne

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Neotinea ustulata</i>	Burnt Orchid	Kent RDB1, NS-excludes, RedList_ENG_post2001-EN, RedList_GB_post2001-EN	SR00014500000QHQ	1899	TQ67	Gravesend
<i>Orchis anthropophora</i>	Man Orchid	NS-excludes, RedList_ENG_post2001-EN, RedList_GB_post2001-EN	SR00014500000Q8Y	1724	TQ67	Northfleet
<i>Orchis purpurea</i>	Lady Orchid	NS-excludes, RedList_ENG_post2001-VU, RedList_GB_post2001-VU	SR00014500000Q8X	1724	TQ67	Northfleet
<i>Carlina vulgaris</i>	Carlina Thistle	RedList_ENG_post2001-NT	SR00027900000CMK	1971 - 1980	TQ67G	Tetrad TQ67G - Northfleet
<i>Carlina vulgaris</i>	Carlina Thistle	"	SR00027900000CST	1971 - 1980	TQ67H	Tetrad TQ67H - Northfleet
<i>Centaurea cyanus</i>	Cornflower	Kent RDB1	SR00014500003N1P	1982	TQ67G	Northfleet
<i>Cichorium intybus</i>	Chicory	RedList_ENG_post2001-VU	SR00027900000EWY	1971 - 1980	TQ67M	Tetrad TQ67M - Gravesend
<i>Glebionis segetum</i>	Corn Marigold	RedList_ENG_post2001-VU, RedList_GB_post2001-VU	SR0001450003YXIO	20/05/2019	TQ6574	Gravesend - Milton
<i>Nymphoides peltata</i>	Fringed Water-lily	NS-excludes	SR00026600007QC7	31/08/2004	TQ67M	Gravesend
<i>Camelina sativa</i>	Gold-of-pleasure	NS-excludes	SR000279000007OI	1971 - 1980	TQ67G	TQ67G - Northfleet
<i>Buxus sempervirens</i>	Box	Kent RDB2, NR-excludes, RedList_ENG_post2001-DD, RedList_GB_post2001-DD	SR00026600007NSK	06/12/2002	TQ67H	Northfleet (riverside)
<i>Chenopodium chenopodioides</i>	Saltmarsh Goosefoot	NS-excludes	SR00014500000NYV	1995	TQ67	TQ67 North Kent Marshes
<i>Cerastium brachypetalum</i>	Grey Mouse-ear	Kent RDBK	SR000279000007PN	1971 - 1980	TQ67G	TQ67G - Northfleet

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Minuartia hybrida</i>	Fine-leaved Sandwort	Kent RDB1, NS-excludes, RedList_ENG_post2001-EN, RedList_GB_post2001-EN	SR00014500000Q9P	1825	TQ67	Southfleet
<i>Polycarpon tetraphyllum</i>	Four-leaved Allseed	NR-excludes	SR0001450003YX63	19/07/2019	TQ6473	Gravesend south - Windmill Hill
<i>Lathyrus aphaca</i>	Yellow Vetchling	NS-excludes, RedList_ENG_post2001-VU, RedList_GB_post2001-VU	SR0001450003C1C2	17/05/2017	TQ6273	Northfleet south
<i>Lathyrus aphaca</i>	Yellow Vetchling	"	SR0001450003N4W	1983	TQ67	Northfleet, Ebbsfleet near Northfleet Brooks
<i>Lathyrus aphaca</i>	Yellow Vetchling	"	SR0001450003NP9	1988	TQ67	Northfleet
<i>Lathyrus aphaca</i>	Yellow Vetchling	"	SR0001450003O8P	1993	TQ67	Northfleet, Ebbsfleet Valley
<i>Lathyrus aphaca</i>	Yellow Vetchling	"	SR0001450003L1K	16/10/1979	TQ67	Northfleet
<i>Lathyrus aphaca</i>	Yellow Vetchling	"	SR0001450003M8Q	1965	TQ67G	Northfleet
<i>Lathyrus aphaca</i>	Yellow Vetchling	"	SR000279000007PM	1971 - 1980	TQ67G	TQ67G - Northfleet
<i>Lathyrus aphaca</i>	Yellow Vetchling	"	SR000279000003TR	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Lathyrus aphaca</i>	Yellow Vetchling	"	SR0001450003M8R	1965	TQ67H	Northfleet
<i>Medicago minima</i>	Bur Medick	NS-excludes, RedList_ENG_post2001-VU, RedList_GB_post2001-VU	SR0001450003MP8	1978	TQ67G	Southfleet, near Southfleet
<i>Medicago polymorpha</i>	Toothed Medick	NS-excludes	SR0001450003MP9	1978	TQ67G	Southfleet, near Southfleet
<i>Medicago polymorpha</i>	Toothed Medick	"	SR00027900000CP2	1971 - 1980	TQ67G	Tetrad TQ67G - Northfleet
<i>Medicago polymorpha</i>	Toothed Medick	"	SR00027900000D6C	1971 - 1980	TQ67L	Tetrad TQ67L - South Gravesend
<i>Onobrychis viciifolia</i>	Sainfoin	RedList_ENG_post2001-VU, RedList_GB_post2001-VU	SR00026600008E7E	1991 - 1999	TQ67G	Northfleet
<i>Onobrychis viciifolia</i>	Sainfoin	"	SR00026600008ED4	1991 - 1999	TQ67H	Northfleet (riverside)
<i>Trifolium fragiferum</i>	Strawberry Clover	RedList_ENG_post2001-VU, RedList_GB_post2001-VU	DSS0041900000JX7	15/08/2009	TQ67	Shorne Marshes
<i>Trifolium glomeratum</i>	Clustered Clover	NS-excludes	SR00014500000R1E	1952	TQ67	Shorne

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Trifolium ochroleucon</i>	Sulphur Clover	NS-excludes, RedList_ENG_post2001-VU, RedList_GB_post2001-VU	SR00014500000Q8T	1666	TQ67	Gadshill-Northfleet
<i>Trifolium squamosum</i>	Sea Clover	NS-excludes	DSS0041900000JWK	15/08/2009	TQ67	Shorne Marshes
<i>Trifolium squamosum</i>	Sea Clover	"	SR00014500003L70	1910	TQ67	Northfleet
<i>Salvia verbenaca</i>	Wild Clary	RedList_ENG_post2001-NT	SR00026600008EP7	1991 - 1999	TQ67M	Gravesend
<i>Salvia verbenaca</i>	Wild Clary	"	SR00027900000EZZ	1971 - 1980	TQ67M	Tetrad TQ67M - Gravesend
<i>Euphrasia nemorosa</i>	Common Eyebright	RedList_ENG_post2001-NT	SR00027900000CNV	1971 - 1980	TQ67G	Tetrad TQ67G - Northfleet
<i>Verbascum lychnitis</i>	White Mullein	NS-excludes	SR00014500000Q9L	1822	TQ67	Gravesend nr
<i>Euphorbia cyparissias</i>	Cypress Spurge	Kent RDB2	SR00014500003SX4	2000	TQ67	Northfleet
<i>Euphorbia cyparissias</i>	Cypress Spurge	"	SR000279000003WK	1971 - 1980	TQ67L	TQ67L - Gravesend
<i>Althaea officinalis</i>	Marsh-mallow	NS-excludes, RedList_ENG_post2001-NT	SR00014500000Q8I	1597	TQ67	Gravesend
<i>Carex divisa</i>	Divided Sedge	NS-excludes, RedList_GB_post2001-VU	SR00014500000QC3	1851	TQ67	Gravesend nr
<i>Carex divisa</i>	Divided Sedge	"	SR00014500000QC6	1852	TQ67	Northfleet nr
<i>Carex divisa</i>	Divided Sedge	"	SR00014500000QD8	1867	TQ67	Gravesend-Shorne Battery
<i>Carex divisa</i>	Divided Sedge	"	SR00014500000QE9	1876	TQ67	Gravesend nr
<i>Carex divisa</i>	Divided Sedge	"	SR00014500000QFO	1891	TQ67	Northfleet Marshes
<i>Alopecurus bulbosus</i>	Bulbous Foxtail	Kent RDB2, NS-excludes	SR00014500000Q94	1762	TQ67	Northfleet
<i>Apera spica-venti</i>	Loose Silky-bent	RedList_GB_post2001-NT	SR00014500000QAL	1836	TQ67	Northfleet about
<i>Polypogon monspeliensis</i>	Annual Beard-grass	NS-excludes	SR0001450002HGAB	21/06/2016	TQ6374	Rosherville
<i>Polypogon monspeliensis</i>	Annual Beard-grass	"	SR00014500000QC1	1850	TQ67	Northfleet Hope
<i>Puccinellia fasciculata</i>	Borrer's Saltmarsh-grass	NS-excludes, RedList_ENG_post2001-NT, RedList_GB_post2001-NT	SR00027900000CPZ	1971 - 1980	TQ67G	Tetrad TQ67G - Northfleet
<i>Puccinellia rupestris</i>	Stiff Saltmarsh-grass	NS-excludes	SR00014500000QNW	1945	TQ67	Gravesend

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Fumaria parviflora</i>	Fine-leaved Fumitory	NS-excludes, RedList_ENG_post20 01-NT, RedList_GB_post2001- VU	SR00014500000QBE	1842	TQ67	Gods Hill-Gravesend
<i>Fragaria vesca</i>	Wild Strawberry	RedList_ENG_post20 01-NT	SR00027900000CNZ	1971 - 1980	TQ67G	Tetrad TQ67G - Northfleet
<i>Fragaria vesca</i>	Wild Strawberry	"	SR00026600000EAO	1991 - 1999	TQ67G	Northfleet
<i>Sedum forsterianum</i>	Rock Stonecrop	NS-excludes	SR00014500003M35	1962	TQ67	Northfleet, in chalkpit by path
<i>Sedum forsterianum</i>	Rock Stonecrop	"	SR000279000007Q8	1971 - 1980	TQ67G	TQ67G - Northfleet
<i>Lithospermum arvense</i>	Field Gromwell	RedList_ENG_post20 01-EN, RedList_GB_post2001- EN	SR00027900000D60	1971 - 1980	TQ67L	Tetrad TQ67L - South Gravesend
<i>Scymnus limbatus</i>	<i>Scymnus limbatus</i>	Notable-B	SR0002660000A24J	08/06/2008	TQ6273	
<i>Hygrotus parallellogrammus</i>	<i>Hygrotus parallellogrammus</i>	Notable-B, NS- excludes	SR0001450004616Y	11/08/1907	TQ6473	Gravesend
<i>Telmatophilus brevicollis</i>	<i>Telmatophilus brevicollis</i>	Kent RDB2, RedList_GB_Pre94-R	SR000145000462P5	1950 - 1955	TQ67	Higham Marshes, Gravesend
<i>Telmatophilus typhae</i>	<i>Telmatophilus typhae</i>	RedList_GB_Pre94- Insu	SR000145000462P7	1950 - 1955	TQ67	Higham Marshes, Gravesend
<i>Anthonomus chevrolati</i>	<i>Anthonomus chevrolati</i>	RedList_GB_Pre94- Insu	SR00014500045QOT	01/01/1945 - 11/12/1945	TQ67	Gravesend
<i>Bagous argillaceus</i>	<i>Bagous argillaceus</i>	Kent RDB2, RedList_GB_Pre94- VU	SR00014500045RB4	01/01/1800 - 01/01/1900	TQ6473	Gravesend
<i>Bagous argillaceus</i>	<i>Bagous argillaceus</i>	"	SR0001450004686T	1890	TQ6473	Gravesend
<i>Bagous frit</i>	<i>Bagous frit</i>	RedList_GB_Pre94-R	SR00014500045RBA	02/01/1900 - 31/12/1917	TQ6473	Gravesend
<i>Bagous frit</i>	<i>Bagous frit</i>	"	SR00014500046879	1917	TQ6473	Gravesend
<i>Bagous limosus</i>	<i>Bagous limosus</i>	Notable-B	SR0001450004687K	19/04/1867	TQ6473	Gravesend
<i>Bagous limosus</i>	<i>Bagous limosus</i>	"	SR0001450004687M	25/05/1913	TQ6473	Gravesend
<i>Bagous limosus</i>	<i>Bagous limosus</i>	"	SR00014500045TSW	25/05/1913	TQ6473	Gravesend
<i>Bagous limosus</i>	<i>Bagous limosus</i>	"	SR00014500045TTB	01/01/1800 - 01/01/1900	TQ6473	Gravesend
<i>Bagous nodulosus</i>	Flowering Rush Weevil	RedList_GB_Pre94- EN	SR00014500045WA1	02/01/1900 - 31/12/1913	TQ6473	Gravesend
<i>Bagous nodulosus</i>	Flowering Rush Weevil	"	SR0001450004687S	1913	TQ6473	Gravesend
<i>Bagous tempestivus</i>	<i>Bagous tempestivus</i>	Notable-B	SR00014500046888	19/04/1867	TQ6473	Gravesend
<i>Bagous tempestivus</i>	<i>Bagous tempestivus</i>	"	SR00014500045TS9	01/01/1800 - 01/01/1900	TQ6473	Gravesend

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Bagous tempestivus</i>	Bagous tempestivus	"	SR00014500045RUY	19/04/1867	TQ67	Gravesend
<i>Bagous tubulus</i>	Bagous tubulus	Kent RDB2, RedList_GB_Pre94- VU	SR00014500045TTK	01/01/1800 - 01/01/1900	TQ6473	Gravesend
<i>Bagous tubulus</i>	Bagous tubulus	"	SR00014500046874	1890	TQ6473	Gravesend
<i>Bagous tubulus</i>	Bagous tubulus	"	SR0001450004686Z	03/06/2000	TQ67	Shorne Marshes
<i>Bagous tubulus</i>	Bagous tubulus	"	SR00014500045TTJ	03/06/2000	TQ67	Shorne Marshes
<i>Mecinus collaris</i>	Mecinus collaris	Notable-B	SR00014500045S3A	01/01/1847 - 31/12/1847	TQ67	Gravesend
<i>Mecinus collaris</i>	Mecinus collaris	"	SR00014500045S3B	01/05/1851 - 31/05/1851	TQ67	Gravesend
<i>Limnoxenus niger</i>	Limnoxenus niger	RedList_GB_post2001- NT	SR000145000461US	01/02/1909	TQ6473	Gravesend
<i>Limnoxenus niger</i>	Limnoxenus niger	"	SR000145000461UQ	28/09/1931	TQ67	Gravesend, marshes beyond Port of
<i>Limnoxenus niger</i>	Limnoxenus niger	"	SR000145000464H4	14/04/1934	TQ67	Chalk Marshes
<i>Limnoxenus niger</i>	Limnoxenus niger	"	SR000145000464H3	16/04/1927	TQ67	Denton Marshes
<i>Agabus conspersus</i>	Agabus conspersus	Notable-B, NS- excludes	SR000145000464Z1	28/09/1931	TQ67	Gravesend, marshes beyond Port of
<i>Rhantus frontalis</i>	Rhantus frontalis	Notable-B, NS- excludes	SR000145000465RN	01/02/1909	TQ6473	Gravesend
<i>Rhantus frontalis</i>	Rhantus frontalis	"	SR000145000465SC	11/08/1907	TQ6473	Gravesend
<i>Rhantus frontalis</i>	Rhantus frontalis	"	SR000145000462KK	1900	TQ6473	Gravesend
<i>Rhantus frontalis</i>	Rhantus frontalis	"	SR000145000462KM	1912	TQ6473	Gravesend
<i>Rhantus frontalis</i>	Rhantus frontalis	"	SR000145000465RO	01/07/1980	TQ67	Shorne Marshes
<i>Halipplus apicalis</i>	Halipplus apicalis	Notable-B, NS- excludes	SR00014500045ZH1	01/07/1980	TQ67	Shorne Marshes
<i>Peltodytes caesus</i>	Peltodytes caesus	NS-excludes	SR000145000462GX	11/08/1907	TQ6473	Gravesend
<i>Heterocerus flexuosus</i>	Heterocerus flexuosus	NS-excludes	SR000145000463OQ	1828	TQ67	beyond Gravesend
<i>Aulacochthebius exaratus</i>	Aulacochthebius exaratus	Kent RDB3, RedList_GB_post2001- NT	SR000145000464NK	06/06/1912	TQ6473	Gravesend
<i>Aulacochthebius exaratus</i>	Aulacochthebius exaratus	"	SR000145000464NO	1912	TQ6473	Gravesend
<i>Ochthebius nanus</i>	Ochthebius nanus	Notable-B, NS- excludes	SR000145000467GE	26/03/1932	TQ6473	Gravesend
<i>Ochthebius viridis</i>	Ochthebius viridis	Notable-B	SR000145000464QU	1800 - 1899	TQ6473	Gravesend
<i>Ochthebius viridis</i>	Ochthebius viridis	"	SR000145000464QV	1800 - 1899	TQ6473	Gravesend
<i>Ochthebius viridis</i>	Ochthebius viridis	"	SR000145000462FB	25/05/1913	TQ6473	Gravesend
<i>Berosus luridus</i>	Berosus luridus	Notable-B, RedList_GB_post2001- NT	SR000145000468A3	01/07/1980	TQ67	Shorne Marshes

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Lucanus cervus</i>	Stag Beetle	Notable-B, NS- includes	SR0001450000R851	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R852	20/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R853	25/05/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R854	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R855	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R858	20/06/1998	TQ640737	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R8F1	09/06/2006	TQ646735	
<i>Lucanus cervus</i>	Stag Beetle	"	SR000266000045BI	15/06/1993	TQ67L	Gravesend (south)
<i>Pyrochroa coccinea</i>	Black-headed Cardinal Beetle	Notable-B	SR000279000003T0	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Elodes elongatus</i>	Elodes elongatus	Kent RDBK, NS- excludes	SR00014500045Z47	1960	TQ6473	Gravesend
<i>Tournotaris bimaculata</i>	Tournotaris bimaculata	Notable-B	SR00014500045SFD	01/05/1851 - 31/05/1851	TQ67	Gravesend
<i>Lasiommata megera</i>	Wall	RedList_GB_post2001- NT	SR000279000007QB	03/08/1975	TQ67H	TQ67H - Northfleet
<i>Lasiommata megera</i>	Wall	"	SR000279000003VL	05/05/1990	TQ67L	TQ67L - Gravesend
<i>Oegoconia caradjai</i>	Straw Obscure	Notable-B	SR0001450000NXU6	25/07/2002	TQ643740	Gravesend (near)
<i>Pexicopia malvella</i>	Hollyhock Seed Moth	Notable-B	SR0001450000NX2I	26/07/2002	TQ643740	Gravesend, St James's Road (23)
<i>Pexicopia malvella</i>	Hollyhock Seed Moth	"	SR0001450000NX2F	22/06/2002	TQ643740	Gravesend, St James's Road (23)
<i>Pexicopia malvella</i>	Hollyhock Seed Moth	"	SR0001450000NX2G	27/06/2002	TQ643740	Gravesend, St James's Road (23)
<i>Pexicopia malvella</i>	Hollyhock Seed Moth	"	SR0001450000NX2H	15/07/2002	TQ643740	Gravesend, St James's Road (23)
<i>Platyedra subcinerea</i>	Mallow Groundling	Notable	SR0001450000NX2E	06/07/2002	TQ643740	Gravesend, St James's Road (23)
<i>Recurvaria nanella</i>	Brindled Groundling	Notable-B	SR0001450000NY9J	27/07/2002	TQ643740	Gravesend, St James's Road (23)
<i>Hecatera dysodea</i>	Small Ranunculus	Kent RDB3, RedList_GB_Pre94- EX	SR0001450000O4TV	27/07/2002	TQ643740	Gravesend, St James's Road
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR0001450000O81F	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR0001450000O81H	07/07/2002	TQ643740	Gravesend, St James's Road
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR0001450000OBQZ	30/08/2002	TQ643740	Gravesend, St James's Road
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR0001450000DXCX	28/06/1997	TQ643740	Gravesend, St James's Road (23)
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR0001450000DXCY	06/08/1997	TQ643740	Gravesend, St James's Road (23)
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR0001450000ECKP	05/07/1998	TQ644740	Gravesend, St James's Road (23)
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR00014500002MH0	05/07/1998	TQ644740	23 St James's Road, Gravesend
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR00014500005735	13/08/2001	TQ6574	Gravesend, Fort Gardens
<i>Hecatera dysodea</i>	Small Ranunculus	"	SR0001450000ECKN	1998	TQ67H	Gravesend, Northfleet
<i>Evergestis extimalis</i>	Marbled Yellow Pearl	Notable-B	SR0001450000NZFE	22/07/2002	TQ643740	Gravesend (near)
<i>Evergestis extimalis</i>	Marbled Yellow Pearl	"	SR0001450000NZFF	27/07/2002	TQ643740	Gravesend (near)
<i>Evergestis extimalis</i>	Marbled Yellow Pearl	"	SR0001450000FEGA	23/09/2006	TQ644739	Gravesend, St James's Road (23)
<i>Oncocera semirubella</i>	Rosy-striped Knot-horn	Notable-B	SR0001450000NZTW	15/07/2002	TQ643740	Gravesend (near)

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Stratiomys longicornis</i>	Long-horned General	Kent RDB2, NS- includes	SR000145000074TH	11/07/1897	TQ6574	Gravesend
<i>Stratiomys longicornis</i>	Long-horned General	"	SR000145000075KN	14/06/1893	TQ6574	Gravesend
<i>Eumerus ornatus</i>	Eumerus ornatus	Kent RDB3	SR00014500001C4H	09/08/1991	TQ630742	Northfleet
<i>Sphaerophoria loewi</i>	Sphaerophoria loewi	Kent RDB1, RedList_GB_post2001- NT	SR000145000079J0	27/06/1908	TQ6473	Gravesend
<i>Litophasia hyalipennis</i>	Litophasia hyalipennis	Kent RDB2, RedList_GB_Pre94- EN	SR00014500001C43	09/08/1991	TQ630742	Northfleet
<i>Campiglossa malaris</i>	Campiglossa malaris	Kent RDB4, RedList_GB_Pre94- EN	DSS0041900000JX0	15/08/2009	TQ67	Shorne Marshes
<i>Myopites eximius</i>	Myopites eximius	Kent RDB2, RedList_GB_Pre94-R	DSS0041900000JX4	15/08/2009	TQ67	Shorne Marshes
<i>Meliera picta</i>	Meliera picta	Notable	DSS0041900000JX6	15/08/2009	TQ67	Shorne Marshes
<i>Blaesoxipha plumicornis</i>	Blaesoxipha plumicornis	Notable	SR00014500001C50	09/08/1991	TQ630742	Northfleet
<i>Blaesoxipha plumicornis</i>	Blaesoxipha plumicornis	"	SR0001450004MEH0	09/08/1991	TQ630742	Northfleet
<i>Andrena alfkenella</i>	Alfken's Mini-miner	Kent RDB1, RedList_GB_Pre94-R	SR00028300001IB5	09/08/1972	TQ6374	Northfleet
<i>Andrena bimaculata</i>	Large Gorse Mining Bee	Notable-B	SR00028300001I6B	09/02/1972	TQ6374	Northfleet
<i>Andrena bimaculata</i>	Large Gorse Mining Bee	"	SR00028300001K9T	16/07/1971	TQ6374	Northfleet
<i>Andrena pilipes</i>	Black Mining Bee	Notable-B	SR00028300001IB6	09/08/1972	TQ6374	Northfleet
<i>Andrena polita</i>	Maidstone Mining Bee	RedList_GB_Pre94- EN	SR000283000016B5	1847	TQ6273	Northfleet chalk pits
<i>Anthophora quadrimaculata</i>	Four-banded Flower Bee	Notable-B	SR00028300001K9R	16/07/1971	TQ6374	Northfleet
<i>Anthophora quadrimaculata</i>	Four-banded Flower Bee	"	SR000283000020YP	05/07/1914	TQ6474	Gravesend
<i>Anthophora retusa</i>	Potter Flower Bee	RedList_GB_Pre94- EN	SR0002830000219D	1929	TQ6474	Gravesend
<i>Bombus sylvarum</i>	Shrill Carder Bee	Kent RDB2, Notable-B	DSS0041900000JWR	15/08/2009	TQ67	Shorne Marshes
<i>Nomada fucata</i>	Painted Nomad Bee	Notable-A	DSS0041900000JWM	15/08/2009	TQ67	Shorne Marshes
<i>Colletes halophilus</i>	Sea Aster Bee	Notable-A	SR00028300001NI8	26/08/1972	TQ6274	Northfleet
<i>Colletes halophilus</i>	Sea Aster Bee	"	SR00028300001KCH	16/08/1972	TQ6274	Northfleet
<i>Colletes halophilus</i>	Sea Aster Bee	"	SR00028300001K2C	15/08/1972	TQ6274	Northfleet
<i>Hylaeus cornutus</i>	Spined Hylaeus	Notable-A	SR00014500000VIC	09/08/1991	TQ630742	Northfleet
<i>Hylaeus cornutus</i>	Spined Hylaeus	"	SR00028300001I31	08/08/1972	TQ6374	Northfleet
<i>Hylaeus cornutus</i>	Spined Hylaeus	"	SR00028300001K9Q	16/07/1971	TQ6374	Northfleet
<i>Hylaeus pictipes</i>	Little Yellow-face Bee	Notable-A	SR00028300001KCG	16/08/1972	TQ6274	Northfleet

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Hylaeus pictipes</i>	Little Yellow-face Bee	"	SR00028300001L7Z	19/06/1970	TQ6374	Northfleet
<i>Hylaeus pictipes</i>	Little Yellow-face Bee	"	SR00028300001JMH	14/06/1970	TQ6374	Northfleet
<i>Hylaeus signatus</i>	Large Yellow-face Bee	Notable-B	SR00028300001JMG	14/06/1970	TQ6374	Northfleet
<i>Cerceris quinquefasciata</i>	Five-banded Weevil-wasp	Kent RDB3, RedList_GB_Pre94-R	SR00028300001IB3	09/08/1972	TQ6274	Northfleet
<i>Cerceris quinquefasciata</i>	Five-banded Weevil-wasp	"	SR00028300001K2G	15/08/1972	TQ6274	Northfleet
<i>Cerceris quinquefasciata</i>	Five-banded Weevil-wasp	"	SR00014500000VIG	09/08/1991	TQ630742	Northfleet
<i>Mimesa bruxellensis</i>	Mimesa bruxellensis	Notable-A	SR00028300001K9O	16/07/1971	TQ6273	Northfleet
<i>Formica rufa</i>	Red Wood Ant	RedList_Global_post9 4-NT	SR00014500008VQW	December 2002	TQ638737	Campbell Road Pit, Gravesend Invertebrates
<i>Lasioglossum leucopus</i>	White-footed Furrow Bee	RedList_GB_Pre94-R	SR00028300001K9P	16/07/1971	TQ6374	Northfleet
<i>Lasioglossum malachurum</i>	Sharp-collared Furrow Bee	Notable-B	SR00028300001GI7	03/05/1971	TQ6374	Northfleet
<i>Lasioglossum malachurum</i>	Sharp-collared Furrow Bee	"	SR00028300001O8F	29/04/1971	TQ6374	Northfleet
<i>Lasioglossum pauperatum</i>	Squat Furrow Bee	Kent RDB3, RedList_GB_Pre94-R	SR0001450003SBM1	2007	TQ67	Unknown
<i>Sphecodes miniatus</i>	False Margined Blood Bee	Notable-B	SR0002830000219B	1929	TQ6474	Gravesend
<i>Sphecodes spinulosus</i>	Spined Blood Bee	Kent RDB1, RedList_GB_Pre94- VU	SR0002830000219C	1929	TQ6474	Gravesend
<i>Priocnemis confusor</i>	Priocnemis confusor	Notable-B	SR00028300001K2D	15/08/1972	TQ6274	Northfleet
<i>Priocnemis confusor</i>	Priocnemis confusor	"	SR00028300001K9S	16/07/1971	TQ6374	Northfleet
<i>Triturus cristatus</i>	Great Crested Newt	Kent RDB	SR00026600003R8M	1981 - 1990	TQ67H	Northfleet (riverside)
<i>Erinaceus europaeus</i>	West European Hedgehog	RedList_GB_post2001- VU	SR0002660000358O	05/03/1999	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000266000039M3	22/05/2000	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600003AXK	16/07/2000	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600003D2V	03/06/2001	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600002TS6	06/03/1996	TQ67L	Gravesend (south)
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000266000041U1	17/07/1991	TQ67L	Gravesend (south)
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000279000003VD	17/07/1991	TQ67L	TQ67L - Gravesend
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600002V8P	July 1996	TQ67M	Gravesend
<i>Oryctolagus cuniculus</i>	European Rabbit	RedList_Global_post2 001_NT	SR00026600002WZ6	12/09/1996	TQ67G	Northfleet
<i>Oryctolagus cuniculus</i>	European Rabbit	"	SR000279000003RV	08/02/1989	TQ67G	TQ67G - Northfleet

Conservation Concern Species Inventory

Brogdale Farm Office, Brogdale Road, Faversham ME13 8XZ
Tel: (01795) 532385
Fax: (01795) 532386
E-Mail: info@kmbrc.org.uk
Web: www.kmbrc.org.uk



**Biological
Records Centre**

Area requested - Imperial Wharf.

Enquiry on behalf of Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd

09/06/2022 ENQ/22/236

1km radius search surrounding - TQ63927447

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Carum carvi</i>	Caraway	Status-NS, UKBAP_P, NERC_S.41	SR000279000003XR	1971 - 1980	TQ67M	TQ67M - Gravesend
<i>Scandix pecten-veneris</i>	Shepherd's-needle	UKBAP_P, NERC_S.41	SR00014500003L7Z	1919	TQ67	Northfleet, near Northfleet
<i>Sium latifolium</i>	Greater Water-parsnip	Status-NS, UKBAP_P, NERC_S.41	SR00014500000QAT	1837	TQ67	Northfleet nr
<i>Muscari neglectum</i>	Grape-hyacinth	Status-NR, UKBAP_P, NERC_S.41	SR000279000007PJ	1971 - 1980	TQ67G	TQ67G - Northfleet
<i>Muscari neglectum</i>	Grape-hyacinth	"	SR000279000003SW	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Neotinea ustulata</i>	Burnt Orchid	Status-NS, UKBAP_P, NERC_S.41	SR00014500000QHQ	1899	TQ67	Gravesend
<i>Orchis anthropophora</i>	Man Orchid	Status-NS, UKBAP_P, NERC_S.41	SR00014500000Q8Y	1724	TQ67	Northfleet
<i>Centaurea cyanus</i>	Cornflower	UKBAP_P, NERC_S.41	SR00014500003N1P	1982	TQ67G	Northfleet
<i>Minuartia hybrida</i>	Fine-leaved Sandwort	Status-NS, UKBAP_P, NERC_S.41	SR00014500000Q9P	1825	TQ67	Southfleet
<i>Carex divisa</i>	Divided Sedge	Status-NS, UKBAP_P, NERC_S.41	SR00014500000QC3	1851	TQ67	Gravesend nr
<i>Carex divisa</i>	Divided Sedge	"	SR00014500000QC6	1852	TQ67	Northfleet nr
<i>Carex divisa</i>	Divided Sedge	"	SR00014500000QD8	1867	TQ67	Gravesend-Shorne Battery
<i>Carex divisa</i>	Divided Sedge	"	SR00014500000QE9	1876	TQ67	Gravesend nr

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Carex divisa</i>	Divided Sedge	"	SR0001450000QFO	1891	TQ67	Northfleet Marshes
<i>Puccinellia fasciculata</i>	Borrer's Saltmarsh-grass	Status-NS, UKBAP_P, NERC_S.41	SR00027900000CPZ	1971 - 1980	TQ67G	Tetrad TQ67G - Northfleet
<i>Bagous nodulosus</i>	Flowering Rush Weevil	RedList_GB_Pre94- EN, UKBAP_P, NERC_S.41	SR00014500045WA1	02/01/1900 - 31/12/1913	TQ6473	Gravesend
<i>Bagous nodulosus</i>	Flowering Rush Weevil	"	SR0001450004687S	1913	TQ6473	Gravesend
<i>Lucanus cervus</i>	Stag Beetle	Notable-B, UKBAP_P, NERC_S.41	SR0001450000R851	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R852	20/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R853	25/05/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R854	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R855	06/06/1998	TQ640736	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R858	20/06/1998	TQ640737	
<i>Lucanus cervus</i>	Stag Beetle	"	SR0001450000R8F1	09/06/2006	TQ646735	
<i>Lucanus cervus</i>	Stag Beetle	"	SR000266000045BI	15/06/1993	TQ67L	Gravesend (south)
<i>Lasiommata megera</i>	Wall	UKBAP_P, NERC_S.41	SR000279000007QB	03/08/1975	TQ67H	TQ67H - Northfleet
<i>Lasiommata megera</i>	Wall	"	SR000279000003VL	05/05/1990	TQ67L	TQ67L - Gravesend
<i>Watsonalla binaria</i>	Oak Hook-tip	UKBAP_P, NERC_S.41	SR0001450000O93X	06/06/2002	TQ643740	Gravesend, St James's Road
<i>Chiasmia clathrata clathrata</i>	Latticed Heath	UKBAP_P, NERC_S.41	SR0001450000OBE3	12/08/2002	TQ643740	Gravesend, St James's Road
<i>Hemistola chrysoprasaria</i>	Small Emerald	UKBAP_P, NERC_S.41	SR0001450000OC9U	01/08/2002	TQ643740	Gravesend, St James's Road
<i>Hemistola chrysoprasaria</i>	Small Emerald	"	SR0001450000O697	22/06/2002	TQ643740	Gravesend, St James's Road
<i>Hemistola chrysoprasaria</i>	Small Emerald	"	SR0001450000O69D	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Eulithis mellinata</i>	Spinach	UKBAP_P, NERC_S.41	SR0001450000O6HS	16/06/2002	TQ643740	Gravesend, St James's Road
<i>Eulithis mellinata</i>	Spinach	"	SR0001450000O2ZW	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Pelurga comitata</i>	Dark Spinach	UKBAP_P, NERC_S.41	SR0001450000OCHT	01/08/2002	TQ643740	Gravesend, St James's Road
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	UKBAP_P, NERC_S.41	SR0001450000O9BP	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Scotopteryx chenopodiata</i>	Shaded Broad-bar	"	SR000145000054QK	11/08/2001	TQ643740	Gravesend, St James
<i>Scopula marginepunctata</i>	Mullein Wave	UKBAP_P, NERC_S.41	SR0001450000O90G	15/06/2002	TQ643740	Gravesend, St James's Road
<i>Scopula marginepunctata</i>	Mullein Wave	"	SR0001450000OC8Q	01/08/2002	TQ643740	Gravesend, St James's Road

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Timandra comae</i>	Blood-vein	UKBAP_P, NERC_S.41	SR0001450000O69V	07/06/2002	TQ643740	Gravesend, St James's Road
<i>Malacosoma neustria</i>	Lackey	UKBAP_P, NERC_S.41	SR0001450000O1HF	17/06/2002	TQ643740	Gravesend, St James's Road
<i>Arctia caja</i>	Garden Tiger	UKBAP_P, NERC_S.41	SR000279000007Q9	23/06/1973	TQ67H	TQ67H - Northfleet
<i>Arctia caja</i>	Garden Tiger	"	SR000266000003L9U	23/07/1973	TQ67H	Northfleet (riverside)
<i>Spilosoma lubricipeda</i>	White Ermine	UKBAP_P, NERC_S.41	SR0001450000OA4W	16/06/2002	TQ643740	Gravesend, St James's Road
<i>Spilosoma lubricipeda</i>	White Ermine	"	SR0001450000O4BQ	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Spilosoma lubricipeda</i>	White Ermine	"	SR0001450000I89Y	01/06/2003	TQ643740	Gravesend, St James's Road (23)
<i>Spilosoma lubricipeda</i>	White Ermine	"	SR0001450000I8BV	11/06/2003	TQ643740	Gravesend, St James's Road (23)
<i>Spilosoma lutea</i>	Buff Ermine	UKBAP_P, NERC_S.41	SR0001450000I5Q6	01/06/2003	TQ643740	Gravesend, St James's Road (23)
<i>Spilosoma lutea</i>	Buff Ermine	"	SR0001450000I5QR	12/06/2003	TQ643740	Gravesend, St James's Road (23)
<i>Spilosoma lutea</i>	Buff Ermine	"	SR0001450000O4CC	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Spilosoma lutea</i>	Buff Ermine	"	SR0001450000OA5F	16/06/2002	TQ643740	Gravesend, St James's Road
<i>Acronicta psi</i>	Grey Dagger	UKBAP_P, NERC_S.41	SR0001450000O8CB	01/06/2002	TQ643740	Gravesend, St James's Road
<i>Acronicta psi</i>	Grey Dagger	"	SR0001450000O8CJ	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Acronicta rumicis</i>	Knot Grass	UKBAP_P, NERC_S.41	SR0001450000OAPW	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Amphipyra tragopoginis</i>	Mouse Moth	UKBAP_P, NERC_S.41	SR0001450000OBY7	01/08/2002	TQ643740	Gravesend, St James's Road
<i>Melanchra persicariae</i>	Dot Moth	UKBAP_P, NERC_S.41	SR0001450000O7YR	01/06/2002	TQ643740	Gravesend, St James's Road
<i>Melanchra persicariae</i>	Dot Moth	"	SR0001450000O7ZE	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Sideridis reticulata</i>	Bordered Gothic	UKBAP_P, NERC_S.41	SR00014500005BRF	20/06/2001	TQ642740	Gravesend, St James's Road
<i>Sideridis reticulata</i>	Bordered Gothic	"	SR00014500005JZF	27/05/2001	TQ642740	Gravesend, St James's Road
<i>Sideridis reticulata</i>	Bordered Gothic	"	SR0001450000E9HH	1998	TQ642740	Gravesend, St James's Road (23)
<i>Sideridis reticulata</i>	Bordered Gothic	"	SR000145000030WG	1998	TQ642740	Gravesend, ? St James's
<i>Diarsia rubi</i>	Small Square-spot	UKBAP_P, NERC_S.41	SR0001450000OBO1	01/08/2002	TQ643740	Gravesend, St James's Road
<i>Diarsia rubi</i>	Small Square-spot	"	SR0001450000OADL	01/06/2002	TQ643740	Gravesend, St James's Road
<i>Euxoa tritici</i>	White-line Dart	UKBAP_P, NERC_S.41	SR0001450000OD5H	01/08/2002	TQ643740	Gravesend, St James's Road
<i>Apamea anceps</i>	Large Nutmeg	UKBAP_P, NERC_S.41	SR0001450000O5CS	01/06/2002	TQ643740	Gravesend, St James's Road
<i>Apamea anceps</i>	Large Nutmeg	"	SR0001450000O5CX	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Apamea anceps</i>	Large Nutmeg	"	SR0001450000I684	10/06/2003	TQ643740	Gravesend, St James's Road (23)

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Apamea anceps</i>	Large Nutmeg	"	SR0001450000I687	11/06/2003	TQ643740	Gravesend, St James's Road (23)
<i>Apamea remissa</i>	Dusky Brocade	UKBAP_P, NERC_S.41	SR0001450000I9EN	12/06/2003	TQ643740	Gravesend, St James's Road (23)
<i>Apamea remissa</i>	Dusky Brocade	"	SR0001450000O5DN	01/06/2002	TQ643740	Gravesend, St James's Road
<i>Hydraecia micacea</i>	Rosy Rustic	UKBAP_P, NERC_S.41	SR0001450000OC17	01/08/2002	TQ643740	Gravesend, St James's Road
<i>Caradrina morpheus</i>	Mottled Rustic	UKBAP_P, NERC_S.41	SR0001450000O8OF	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Caradrina morpheus</i>	Mottled Rustic	"	SR0001450000O5L0	16/06/2002	TQ643740	Gravesend, St James's Road
<i>Caradrina morpheus</i>	Mottled Rustic	"	SR0001450000IBZQ	02/06/2003	TQ643740	Gravesend, St James's Road (23)
<i>Caradrina morpheus</i>	Mottled Rustic	"	SR0001450000IC06	11/06/2003	TQ643740	Gravesend, St James's Road (23)
<i>Hoplodrina blanda</i>	Rustic	UKBAP_P, NERC_S.41	SR0001450000OEC3	01/08/2002	TQ643740	Gravesend, St James's Road
<i>Hoplodrina blanda</i>	Rustic	"	SR0001450000OAXH	01/07/2002	TQ643740	Gravesend, St James's Road
<i>Anthophora retusa</i>	Potter Flower Bee	RedList_GB_Pre94- EN, UKBAP_P, NERC_S.41	SR0002830000219D	1929	TQ6474	Gravesend
<i>Bombus sylvarum</i>	Shrill Carder Bee	Notable-B, UKBAP_P, NERC_S.41	DSS0041900000JWR	15/08/2009	TQ67	Shorne Marshes
<i>Colletes halophilus</i>	Sea Aster Bee	Notable-A, UKBAP_P, NERC_S.41	SR00028300001K2C	15/08/1972	TQ6274	Northfleet
<i>Colletes halophilus</i>	Sea Aster Bee	"	SR00028300001KCH	16/08/1972	TQ6274	Northfleet
<i>Colletes halophilus</i>	Sea Aster Bee	"	SR00028300001NI8	26/08/1972	TQ6274	Northfleet
<i>Cerceris quinquefasciata</i>	Five-banded Weevil-wasp	RedList_GB_Pre94-R, UKBAP_P, NERC_S.41	SR00028300001K2G	15/08/1972	TQ6274	Northfleet
<i>Cerceris quinquefasciata</i>	Five-banded Weevil-wasp	"	SR00028300001IB3	09/08/1972	TQ6274	Northfleet
<i>Cerceris quinquefasciata</i>	Five-banded Weevil-wasp	"	SR00014500000VIG	09/08/1991	TQ630742	Northfleet
<i>Bufo bufo</i>	Common Toad	UKBAP_P, NERC_S.41	SR000279000003VE	08/03/1991	TQ67L	TQ67L - Gravesend
<i>Bufo bufo</i>	Common Toad	"	SR000266000040WP	08/03/1991	TQ67L	Gravesend (south)
<i>Triturus cristatus</i>	Great Crested Newt	UKBAP_P, NERC_S.41	SR00026600003R8M	1981 - 1990	TQ67H	Northfleet (riverside)
<i>Anguis fragilis</i>	Slow-worm	UKBAP_P, NERC_S.41	SR0001450004MQ00	20/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0S	20/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0V	25/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0W	25/09/2017	TQ63327355	Copperfield Academy

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0Y	28/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0Z	28/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV10	28/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV11	28/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV15	29/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV16	29/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV17	29/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV18	29/09/2017	TQ63327355	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV1B	06/10/2017	TQ63377353	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV13	29/09/2017	TQ63377353	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV14	29/09/2017	TQ63377353	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR0001450004MV0U	25/09/2017	TQ63377353	Copperfield Academy
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O5	15/04/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O6	23/04/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O7	01/05/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O8	21/05/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114O9	29/05/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	SR000145000114OA	04/06/2008	TQ641743	Thames Way; Gravesend
<i>Anguis fragilis</i>	Slow-worm	"	DSS0041900000JWA	15/08/2009	TQ67	Shorne Marshes
<i>Anguis fragilis</i>	Slow-worm	"	SR00026600003R8O	1981 - 1990	TQ67L	Gravesend (south)
Zootoca vivipara	Common Lizard	UKBAP_P, NERC_S.41	SR0001450003T1MX	1903	TQ6473	Gravesend
<i>Zootoca vivipara</i>	Common Lizard	"	DSS0041900000JVQ	15/08/2009	TQ67	Shorne Marshes
Natrix helvetica	Grass Snake	UKBAP_P, NERC_S.41	SR00026600003SXL	16/04/1984	TQ67H	Northfleet (riverside)
<i>Natrix helvetica</i>	Grass Snake	"	SR000279000003SJ	16/04/1984	TQ67H	TQ67H - Northfleet
<i>Natrix helvetica</i>	Grass Snake	"	SR00026600003R8N	1981 - 1990	TQ67L	Gravesend (south)
Phoca vitulina	Harbour Seal	UKBAP_P, NERC_S.41	SR000405000014ZC	10/10/2014	TQ6484574828	Gravesend
<i>Phoca vitulina</i>	Harbour Seal	"	SR0004050000151U	14/02/2014	TQ6484574828	Gravesend
<i>Phoca vitulina</i>	Harbour Seal	"	SR0004050000151W	12/01/2014	TQ6484574828	Gravesend
Balaenoptera acutorostrata	Minke Whale	UKBAP_P, NERC_S.41	SR0004050000150Y	2013	TQ6374	tilbury
Phocoena phocoena	Common Porpoise	CMS_ASCOBANS, UKBAP_P, NERC_S.41	SR00040500001510	04/04/2014	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014ZD	10/10/2014	TQ6484574828	Gravesend

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Phocoena phocoena</i>	Common Porpoise	"	SR0004050000150U	26/04/2014	TQ6484574828	gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR0004050000150V	25/04/2014	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014V2	01/05/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014V3	04/05/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014QB	13/04/2015	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014UT	19/04/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014UV	21/04/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014UX	22/04/2013	TQ6484574828	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR000405000014V1	30/04/2013	TQ6487074495	Gravesend
<i>Phocoena phocoena</i>	Common Porpoise	"	SR0004050000071W	21/07/2012	TQ6487074495	Gravesend Canal Basin
<i>Erinaceus europaeus</i>	West European Hedgehog	UKBAP_P, NERC_S.41	SR0002660000358O	05/03/1999	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000266000039M3	22/05/2000	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600003AXK	16/07/2000	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600003D2V	03/06/2001	TQ67G	Northfleet
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000266000041U1	17/07/1991	TQ67L	Gravesend (south)
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600002TS6	06/03/1996	TQ67L	Gravesend (south)
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR000279000003VD	17/07/1991	TQ67L	TQ67L - Gravesend
<i>Erinaceus europaeus</i>	West European Hedgehog	"	SR00026600002V8P	July 1996	TQ67M	Gravesend

Invasive Non-native Species Inventory

Brogdale Farm Office, Brogdale Road, Faversham ME13 8XZ
 Tel: (01795) 532385
 Fax: (01795) 532386
 E-Mail: info@kmbrc.org.uk
 Web: www.kmbrc.org.uk



**Biological
Records Centre**

Area requested - Imperial Wharf.

Enquiry on behalf of Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd

09/06/2022 ENQ/22/236

1km radius search surrounding - TQ63927447

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Elodea nuttallii</i>	Nuttall's Waterweed	WCA9ii	DSS0041900000JXG	15/08/2009	TQ67	Shorne Marshes
<i>Hyacinthoides hispanica</i>	Spanish Bluebell	N/A	SR000279000003W7	1971 - 1980	TQ67L	TQ67L - Gravesend
<i>Crocasmia pottsii</i> x <i>aurea</i> = <i>C. x crocosmiiflora</i>	Montbretia	WCA9ii	SR000279000003TU	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Petasites fragrans</i>	Winter Heliotrope	N/A	SR0001450003ZRR6	29/03/2019	TQ6373	Northfleet - Perry Street
<i>Petasites fragrans</i>	Winter Heliotrope	"	SR0001450001N16F	18/02/2015	TQ6473	Gravesend south - Windmill Hill
<i>Petasites fragrans</i>	Winter Heliotrope	"	SR00027900000CV3	1971 - 1980	TQ67H	Tetrad TQ67H - Northfleet
<i>Petasites fragrans</i>	Winter Heliotrope	"	SR00027900000D6M	1971 - 1980	TQ67L	Tetrad TQ67L - South Gravesend
<i>Petasites fragrans</i>	Winter Heliotrope	"	SR00026600007NSP	06/12/2002	TQ67L	Gravesend (south)
<i>Petasites fragrans</i>	Winter Heliotrope	"	SR00026600008ERA	1991 - 1999	TQ67M	Gravesend
<i>Petasites fragrans</i>	Winter Heliotrope	"	SR00027900000EYW	1971 - 1980	TQ67M	Tetrad TQ67M - Gravesend
<i>Fallopia japonica</i>	Japanese Knotweed	WCA9ii	SR00014500022C12	03/07/2013	TQ6476074166	
<i>Fallopia japonica</i>	Japanese Knotweed	"	SR00026600007M12	28/09/2001	TQ67G	Northfleet
<i>Fallopia japonica</i>	Japanese Knotweed	"	SR00027900000CPO	1971 - 1980	TQ67G	Tetrad TQ67G - Northfleet
<i>Fallopia japonica</i>	Japanese Knotweed	"	SR00027900000CVH	1971 - 1980	TQ67H	Tetrad TQ67H - Northfleet
<i>Fallopia japonica</i>	Japanese Knotweed	"	SR00026600008EFT	1991 - 1999	TQ67H	Northfleet (riverside)
<i>Fallopia japonica</i>	Japanese Knotweed	"	SR00027900000D71	1971 - 1980	TQ67L	Tetrad TQ67L - South Gravesend
<i>Fallopia japonica</i>	Japanese Knotweed	"	SR00027900000EZF	1971 - 1980	TQ67M	Tetrad TQ67M - Gravesend
<i>Impatiens glandulifera</i>	Himalayan Balsam	WCA9ii	SR00027900000CUA	1971 - 1980	TQ67H	Tetrad TQ67H - Northfleet
<i>Robinia pseudoacacia</i>	False-acacia	WCA9ii	SR000279000003T9	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Robinia pseudoacacia</i>	False-acacia	"	SR000279000003WD	1971 - 1980	TQ67L	TQ67L - Gravesend
<i>Robinia pseudoacacia</i>	False-acacia	"	SR000279000003XT	1971 - 1980	TQ67M	TQ67M - Gravesend
<i>Cotoneaster simonsii</i>	Himalayan Cotoneaster	WCA9ii	SR0001450000RUO8	07/04/2010	TQ6374	Rosherville
<i>Cotoneaster simonsii</i>	Himalayan Cotoneaster	"	SR000279000007PO	1971 - 1980	TQ67G	TQ67G - Northfleet
<i>Cotoneaster simonsii</i>	Himalayan Cotoneaster	"	SR000279000003T3	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Cotoneaster simonsii</i>	Himalayan Cotoneaster	"	SR00026600008ECQ	1991 - 1999	TQ67H	Northfleet (riverside)
<i>Cotoneaster simonsii</i>	Himalayan Cotoneaster	"	SR000279000003WP	1971 - 1980	TQ67L	TQ67L - Gravesend

Scientific Name	Common Name	Species Status	KMBRC Key	Date	Grid Ref.	Location
<i>Cotoneaster simonsii</i>	Himalayan Cotoneaster	"	SR000279000003XP	1971 - 1980	TQ67M	TQ67M - Gravesend
<i>Rosa rugosa</i>	Japanese Rose	WCA9ii	SR0001450003CDDF	17/05/2017	TQ6273	Northfleet south
<i>Rosa rugosa</i>	Japanese Rose	"	SR000279000003TC	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Ailanthus altissima</i>	Tree-of-heaven	N/A	SR0001450003YSX7	23/08/2019	TQ6374	Rosherville
<i>Ailanthus altissima</i>	Tree-of-heaven	"	SR000279000003TG	1971 - 1980	TQ67H	TQ67H - Northfleet
<i>Ailanthus altissima</i>	Tree-of-heaven	"	SR000279000003W6	1971 - 1980	TQ67L	TQ67L - Gravesend
<i>Ailanthus altissima</i>	Tree-of-heaven	"	SR000279000003XV	1971 - 1980	TQ67M	TQ67M - Gravesend
<i>Parthenocissus inserta</i>	False Virginia-creeper	WCA9ii	SR000279000003WA	1971 - 1980	TQ67L	TQ67L - Gravesend
<i>Crepidula fornicata</i>	American Slipper Limpet	WCA9i	SR0001450001JJAX	17/09/2006	TQ6489774405	
<i>Eriocheir sinensis</i>	Chinese Mitten Crab	WCA9i	SR0001450003H3TM	04/10/1996	TQ63137481	Tilbury to the Thames Barrier
<i>Eriocheir sinensis</i>	Chinese Mitten Crab	"	SR0001450001JJB0	17/09/2006	TQ6489774405	
<i>Neovison vison</i>	American Mink	WCA9i	SR000405000005XA	28/04/1998	TQ6474	River Medway, Mill Stream



Kent Bird Records Summary

Brogdale Farm, Brogdale Road, Faversham. ME13 8XZ

Tel: (01795) 532385

Fax: (01795) 532386

E-Mail: info@kmbrc.org.uk

Web: www.kmbrc.org.uk



Biological
Records Centre

Area requested - Imperial Wharf.

Enquiry on behalf of Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd

09/06/2022 ENQ/22/236

This search area included 233 records from the BTO Wetland Birds Survey (WeBS). Please contact the BTO for access to these records

Common Name	Scientific Name	Designation	Number of Records	Recent Summer (Apr-Jul)	Recent Winter (Aug-Mar)	Nearest Location	Date of Nearest	Confirmed Breeding?
Little Grebe	<i>Tachybaptus ruficollis</i>	Berne:A3;BoCC5:Green	1		17/02/2017	Gravesend (TQ6474)	17/02/2017	N
Great Crested Grebe	<i>Podiceps cristatus</i>	Berne:A3	3	03/05/2019	09/09/2019	Gravesend (TQ6474)	09/09/2019	N
Red-necked Grebe	<i>Podiceps grisegena</i>	Berne:A2; BoCC5:Red; Bonn:A2	1	12/06/2004		Tilbury (for info re Cliffe) (TQ6475)	12/06/2004	N
Black-necked Grebe	<i>Podiceps nigricollis</i>	Berne:A2; BoCC5:Amber; KRDB1; WCA1	1	12/04/2014		Gravesend (TQ6474)	12/04/2014	N
Manx Shearwater	<i>Puffinus puffinus</i>	Berne:A2; BoCC5:Amber	2		29/09/2018	Gravesend (TQ6474)	29/09/2018	N
Storm Petrel	<i>Hydrobates spp</i>	Berne:A2; BoCC5:Amber; BirdsDir:A1	1		09/11/1975	Gravesend (TQ6474)	09/11/1975	N
Leach's Petrel	<i>Oceanodroma leucorhoa</i>	Berne:A2; BoCC5:Red; BirdsDir:A1; WCA1	6		23/10/2018	Gravesend (TQ6474)	23/10/2018	N
Gannet	<i>Morus bassanus</i>	Berne:A3; BoCC5:Amber	4		26/09/2019	Gravesend (TQ6474)	26/09/2019	N
Cormorant	<i>Phalacrocorax carbo</i>	Berne:A3; BoCC5:Green (subsp. Amber); KRDB3	114	30/07/2019	16/12/2019	Gravesend (TQ6474)	16/12/2019	N
Bittern	<i>Botaurus stellaris</i>	BAP; Berne:A2; BoCC5:Amber; Bonn:A2; BirdsDir:A1; S41; WCA1	1		14/01/2013	Gravesend (TQ6474)	14/01/2013	N
Cattle Egret	<i>Bubulcus ibis</i>	Berne:A2; BoCC5:Amber; ECCITES:A	1		25/03/2016	Inner Thames Estuary (TQ6575)	25/03/2016	N
Little Egret	<i>Egretta garzetta</i>	Berne:A2; BoCC5:Green; ECCITES:A; BirdsDir:A1; KRDB3	25	25/07/2019	30/10/2019	Gravesend (TQ6474)	30/10/2019	N

Common Name	Scientific Name	Designation	Number of Records	Recent Summer (Apr-Jul)	Recent Winter (Aug-Mar)	Nearest Location	Date of Nearest	Confirmed Breeding?
Grey Heron	<i>Ardea cinerea</i>	Berne:A3; KRDB3	102	29/07/2019	22/12/2019	Gravesend (TQ6474)	22/12/2019	N
Mute Swan	<i>Cygnus olor</i>	Berne:A3; Bonn:A2; BirdsDir:A2.2	294	27/07/2019	22/12/2019	Gravesend (TQ6474)	22/12/2019	N
Greylag Goose	<i>Anser anser</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.1	13	30/05/2019	31/08/2019	Gravesend (TQ6474)	31/08/2019	N
Canada Goose	<i>Branta canadensis</i>	Berne:A3; Bonn:A2; BirdsDir:A2.1	52	24/04/2019	23/08/2019	Gravesend (TQ6474)	23/08/2019	N
Brent Goose	<i>Branta bernicla</i>	BAP; Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.2; S41	17		31/12/2019	Gravesend (TQ6474)	31/12/2019	N
Egyptian Goose	<i>Alopochen aegyptiacus</i>	Berne:A3; Bonn:A2; ECCITES:C	5	13/04/2016	09/11/2019	Gravesend (TQ6474)	09/11/2019	N
Shelduck	<i>Tadorna tadorna</i>	Berne:A2; BoCC5:Amber; Bonn:A2	74	07/06/2019	17/12/2019	Gravesend (TQ6474)	17/12/2019	N
Wigeon	<i>Anas penelope</i>	Berne:A3; BoCC5:Amber; Bonn:A2; ECCITES:C; BirdsDir:A2.1	8		31/12/2019	Gravesend (TQ6474)	31/12/2019	N
Gadwall	<i>Anas strepera</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.1; KRDB3	8	08/05/2015	18/02/2019	Gravesend (TQ6474)	18/02/2019	N
Teal	<i>Anas crecca</i>	Berne:A3; BoCC5:Amber; Bonn:A2; ECCITES:C; BirdsDir:A2.1; KRDB1	56	24/04/2016	31/12/2019	Gravesend (TQ6474)	31/12/2019	N
Mallard	<i>Anas platyrhynchos</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.1	127	29/07/2019	22/12/2019	Gravesend (TQ6474)	22/12/2019	N
Pintail	<i>Anas acuta</i>	Berne:A3; BoCC5:Amber; Bonn:A2; ECCITES:C; BirdsDir:A2.1; WCA1(II)	1		14/02/1994	Tilbury (for info re Cliffe) (TQ6475)	14/02/1994	N
Shoveler	<i>Anas clypeata</i>	Berne:A3; BoCC5:Amber; Bonn:A2; ECCITES:C; BirdsDir:A2.1	2	17/04/2019	31/12/2019	Gravesend (TQ6474)	31/12/2019	N
Pochard	<i>Aythya ferina</i>	Berne:A3; BoCC5:Red; Bonn:A2; BirdsDir:A2.1; KRDB3	1		30/11/2019	Gravesend (TQ6474)	30/11/2019	N
Tufted Duck	<i>Aythya fuligula</i>	Berne:A3; BoCC5:Green; Bonn:A2; BirdsDir:A2.1	3		30/11/2019	Gravesend (TQ6474)	30/11/2019	N
Eider	<i>Somateria mollissima</i>	Berne:A3; BoCC5:Amber (subsp. Red); Bonn:A2; BirdsDir:A2.2	1		08/09/2019	Gravesend (TQ6474)	08/09/2019	N

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Long-tailed Duck	<i>Clangula hyemalis</i>	Berne:A3; BoCC5:Red; Bonn:A2; BirdsDir:A2.2; WCA1	1		30/10/2019	Gravesend (TQ6474)	30/10/2019	N
Common Scoter	<i>Melanitta nigra</i>	BAP; Berne:A3; BoCC5:Red; Bonn:A2; BirdsDir:A2.2; S41; WCA1	4	10/07/2015	30/10/2019	Gravesend (TQ6474)	30/10/2019	N
Goldeneye	<i>Bucephala clangula</i>	Berne:A3; BoCC5:Red; Bonn:A2; BirdsDir:A2.2; WCA1(II)	2		22/11/2015	Gravesend (TQ6474)	22/11/2015	N
Red-breasted Merganser	<i>Mergus serrator</i>	Berne:A3; Bonn:A2; BoCC5:Amber; BirdsDir:A2.2	1		09/01/2016	Gravesend (TQ6474)	09/01/2016	N
Honey Buzzard	<i>Pernis apivorus</i>	Berne:A3; BoCC5:Amber; Bonn:A2; ECCITES:A; BirdsDir:A1; KRDB1; WCA1	1		20/09/2008	Gravesend (TQ6474)	20/09/2008	N
Red Kite	<i>Milvus milvus</i>	Berne:A3; BoCC5:Green; Bonn:A2; ECCITES:A; BirdsDir:A1; WCA1	6	15/04/2018	26/03/2019	Gravesend (TQ6474)	26/03/2019	N
Marsh Harrier	<i>Circus aeruginosus</i>	Berne:A3; BoCC5:Amber; Bonn:A2; ECCITES:A; BirdsDir:A1; KRDB3; WCA1	17	25/05/2019	19/12/2019	Gravesend (TQ6474)	19/12/2019	N
Sparrowhawk	<i>Accipiter nisus</i>	Berne:A3; Bonn:A2; BoCC5:Amber; ECCITES:A	46	18/06/2019	22/10/2019	Gravesend (TQ6474)	22/10/2019	N
Common Buzzard	<i>Buteo buteo</i>	Berne:A3; Bonn:A2; ECCITES:A	20	30/07/2019	24/03/2019	Gravesend (TQ6474)	30/07/2019	N
Kestrel	<i>Falco tinnunculus</i>	Berne:A2; BoCC5:Amber; Bonn:A2; ECCITES:A	22	30/05/2019	20/10/2019	Gravesend (TQ6474)	20/10/2019	Y
Hobby	<i>Falco subbuteo</i>	Berne:A2; Bonn:A2; ECCITES:A; WCA1	9	04/05/2019	29/09/2019	Gravesend (TQ6474)	29/09/2019	N
Peregrine	<i>Falco peregrinus</i>	Berne:A2; BoCC5:Green (subsp. Amber); Bonn:A2; ECCITES:A; BirdsDir:A1; KRDB1; WCA1	39	21/04/2019	05/10/2019	Gravesend (TQ6474)	05/10/2019	N
Pheasant	<i>Phasianus colchicus</i>	Berne:A3; BirdsDir:A2.1	1		18/03/2019	Gravesend (TQ6474)	18/03/2019	N
Water Rail	<i>Rallus aquaticus</i>	Berne:A3; BirdsDir:A2.2; KRDB3	2		15/02/2019	Milton (Gravesend) (TQ6574)	15/02/2019	N

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Spotted Crake	<i>Porzana porzana</i>	Berne:A2; BoCC5:Amber; Bonn:A2; BirdsDir:A1; WCA1	1	04/05/1992		Gravesend (TQ6474)	04/05/1992	N
Moorhen	<i>Gallinula chloropus</i>	Berne:A3; Bonn:A2; BoCC5:Amber; BirdsDir:A2.2	157	10/07/2019	19/12/2019	Gravesend (TQ6474)	19/12/2019	Y
Coot	<i>Fulica atra</i>	Berne:A3; Bonn:A2; BirdsDir:A2.1	4		15/02/2019	Gravesend (TQ6474)	25/09/2018	N
Oystercatcher	<i>Haematopus ostralegus</i>	Berne:A3; BoCC5:Amber; BirdsDir:A2.2	94	31/07/2019	24/10/2019	Gravesend (TQ6474)	24/10/2019	N
Avocet	<i>Recurvirostra avosetta</i>	Berne:A2; BoCC5:Amber; Bonn:A2; BirdsDir:A1; KRDB3; WCA1	69	09/04/2019	31/12/2019	Gravesend (TQ6474)	31/12/2019	N
Little Ringed Plover	<i>Charadrius dubius</i>	Berne:A2; Bonn:A2; KRDB1; WCA1	2	15/04/2019		Gravesend (TQ6474)	15/04/2019	N
Ringed Plover	<i>Charadrius hiaticula</i>	Berne:A2; BoCC5:Red; Bonn:A2	37	14/05/2015	01/10/2019	Gravesend (TQ6474)	01/10/2019	N
Grey Plover	<i>Pluvialis squatarola</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.2; KRDB3	7		02/11/2019	Gravesend (TQ6474)	02/11/2019	N
Lapwing	<i>Vanellus vanellus</i>	BAP; Berne:A3; BoCC5:Red; Bonn:A2; BirdsDir:A2.2; KRDB2; S41	62	29/07/2019	24/10/2019	Gravesend (TQ6474)	24/10/2019	N
Knot	<i>Calidris canutus</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.2; KRDB3	3		30/09/2019	Gravesend (TQ6474)	30/09/2019	N
Little Stint	<i>Calidris minuta</i>	Berne:A2; Bonn:A2	9		09/09/2019	Gravesend (TQ6474)	09/09/2019	N
Curlew Sandpiper	<i>Calidris ferruginea</i>	Berne:A2; BoCC5:Amber; Bonn:A2	7	25/07/2019	21/09/2016	Gravesend (TQ6474)	25/07/2019	N
Dunlin	<i>Calidris alpina</i>	Berne:A2; BoCC5:Red; Bonn:A2; BirdsDir:A1; KRDB2	62	16/07/2015	30/10/2019	Gravesend (TQ6474)	30/10/2019	N
Jack Snipe	<i>Lymnocyptes minimus</i>	Berne:A3; BoCC5:Green; Bonn:A2; BirdsDir:A2.1	1		10/03/2011	Gravesend (TQ6474)	10/03/2011	N
Snipe	<i>Gallinago gallinago</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.1; KRDB1	1		20/11/2016	Gravesend (TQ6474)	20/11/2016	N

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Black-tailed Godwit	<i>Limosa limosa</i>	BAP; Berne:A3; BoCC5:Red; Bonn:A2; BirdsDir:A2.2; KRDB1; S41; WCA1	155	31/07/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	N
Bar-tailed Godwit	<i>Limosa lapponica</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A1&A2.2	22		05/10/2019	Gravesend (TQ6474)	05/10/2019	N
Whimbrel	<i>Numenius phaeopus</i>	Berne:A3; BoCC5:Red; Bonn:A2; BirdsDir:A2.2; WCA1	6	01/05/2019		Gravesend (TQ6474)	01/05/2019	N
Curlew	<i>Numenius arquata</i>	BAP; Berne:A3; BoCC5:Red; Bonn:A2; BirdsDir:A2.2; S41	59	29/07/2019	14/12/2019	Gravesend (TQ6474)	14/12/2019	N
Redshank	<i>Tringa totanus</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.2	125	07/04/2016	17/12/2019	Gravesend (TQ6474)	17/12/2019	N
Greenshank	<i>Tringa nebularia</i>	Berne:A3; BoCC5:Amber; Bonn:A2; BirdsDir:A2.2; WCA1	1	25/07/2019		Gravesend (TQ6474)	25/07/2019	N
Green Sandpiper	<i>Tringa ochropus</i>	Berne:A2; BoCC5:Amber; Bonn:A2; WCA1	2		15/01/1987	Gravesend (TQ6474)	15/01/1987	N
Common Sandpiper	<i>Actitis hypoleucos</i>	Berne:A2; BoCC5:Amber; Bonn:A2	24	31/07/2019	29/09/2019	Gravesend (TQ6474)	29/09/2019	N
Turnstone	<i>Arenaria interpres</i>	Berne:A2; BoCC5:Amber; Bonn:A2	104	04/04/2016	26/12/2019	Gravesend (TQ6474)	26/12/2019	N
Arctic Skua	<i>Stercorarius parasiticus</i>	BAP; Berne:A3; BoCC5:Red	1		29/09/2007	Gravesend (TQ6474)	29/09/2007	N
Great Skua	<i>Stercorarius skua</i>	Berne:A3; BoCC5:Amber	1		05/11/2019	Gravesend (TQ6474)	05/11/2019	N
Mediterranean Gull	<i>Larus melanocephalus</i>	Berne:A2; BoCC5:Amber; Bonn:A2; BirdsDir:A1; KRDB3; WCA1	75	26/07/2019	27/08/2019	Gravesend (TQ6474)	27/08/2019	N
Little Gull	<i>Larus minutus</i>	Berne:A2; BoCC5:Green; BirdsDir:A1; WCA1	7		03/01/2016	Gravesend (TQ6474)	03/01/2016	N
Sabine's Gull	<i>Larus sabini</i>	Berne:A2	2		03/10/2007	Gravesend (TQ6474)	03/10/2007	N
Black-headed Gull	<i>Larus ridibundus</i>	Berne:A3; BoCC5:Amber; BirdsDir:A2.2	107	29/06/2019	16/12/2019	Gravesend (TQ6474)	16/12/2019	N
Common Gull	<i>Larus canus</i>	Berne:A3; BoCC5:Amber; BirdsDir:A2.2; KRDB1	87	30/07/2019	19/12/2019	Gravesend (TQ6474)	19/12/2019	N
Lesser Black-backed Gull	<i>Larus fuscus</i>	BoCC5:Amber; BirdsDir:A2.2	22	25/05/2019	14/11/2019	Gravesend (TQ6474)	14/11/2019	N

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Herring Gull	<i>Larus argentatus</i>	BAP; BoCC5:Red; BirdsDir:A2.2; S41; KRDB2	129	15/07/2019	16/12/2019	Gravesend (TQ6474)	16/12/2019	N
Yellow-legged Gull	<i>Larus michahellis</i>	BoCC5:Amber	46	25/07/2019	02/10/2019	Gravesend (TQ6474)	02/10/2019	N
Caspian Gull	<i>Larus cachinnans</i>	BoCC5:Amber	1		09/02/2012	Gravesend (TQ6474)	09/02/2012	N
Iceland Gull	<i>Larus glaucoides</i>	BoCC5:Amber	1		18/01/2014	Gravesend (TQ6474)	18/01/2014	N
Great Black-backed Gull	<i>Larus marinus</i>	BoCC5:Amber; BirdsDir:A2.2; KRDB1	75	25/05/2019	16/12/2019	Gravesend (TQ6474)	16/12/2019	N
Kittiwake	<i>Rissa tridactyla</i>	Berne:A3; BoCC5:Red; KRDB3	8	25/05/2019	14/02/2016	Gravesend (TQ6474)	25/05/2019	N
Sandwich Tern	<i>Sterna sandvicensis</i>	Berne:A2; BoCC5:Amber; Bonn:A2; BirdsDir:A1; KRDB3	20	29/06/2019	02/10/2019	Gravesend (TQ6474)	02/10/2019	N
Roseate Tern	<i>Sterna dougallii</i>	BAP; Berne:A2; BoCC5:Red; Bonn:A2; BirdsDir:A1; S41; WCA1	1	06/05/2012		Gravesend (TQ6474)	06/05/2012	N
Common Tern	<i>Sterna hirundo</i>	Berne:A2; BoCC5:Amber; Bonn:A2; BirdsDir:A1	80	31/07/2019	05/10/2019	Gravesend (TQ6474)	05/10/2019	N
Arctic Tern	<i>Sterna paradisaea</i>	Berne:A2; BoCC5:Amber; Bonn:A2; BirdsDir:A1	16	31/07/2019	09/09/2019	Gravesend (TQ6474)	09/09/2019	N
Little Tern	<i>Sterna albifrons</i>	Berne:A2; BoCC5:Amber; Bonn:A2; BirdsDir:A1; KRDB1; WCA1	4		28/08/2019	Gravesend (TQ6474)	28/08/2019	N
Black Tern	<i>Chlidonias niger</i>	Berne:A2; Bonn:A2; BirdsDir:A1; WCA1	12	23/05/2018	25/08/2016	Gravesend (TQ6474)	23/05/2018	N
Guillemot	<i>Uria aalge</i>	Berne:A3; BoCC5:Amber	1		21/09/2019	Gravesend (TQ6474)	21/09/2019	N
Razorbill	<i>Alca torda</i>	Berne:A3; BoCC5:Amber	1		09/09/2014	Gravesend (TQ6474)	09/09/2014	N
Feral Pigeon	<i>Columba livia</i>	Berne:A3; ECCITES:A; BirdsDir:A2.1	72	10/05/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y
Stock Dove	<i>Columba oenas</i>	Berne:A3; BoCC5:Amber; BirdsDir:A2.2	4	27/05/2019	09/02/2019	Gravesend (TQ6474)	27/05/2019	Y
Wood Pigeon	<i>Columba palumbus</i>	BirdsDir:A2.1; BoCC5:Amber	83	10/05/2019	19/11/2019	Gravesend (TQ6474)	19/11/2019	Y
Collared Dove	<i>Streptopelia decaocto</i>	Berne:A3; BirdsDir:A2.2	54	25/06/2018	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y

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Turtle Dove	<i>Streptopelia turtur</i>	BAP; Berne:A3; BoCC5:Red; Bonn:A2; ECCITES:A; BirdsDir:A2.2; KRDB2; S41	3	20/05/2013		Gravesend (TQ6474)	20/05/2013	Y
Ring-necked Parakeet	<i>Psittacula krameri</i>	Berne:A3; ECCITES:C	6	11/06/2019	05/10/2019	Gravesend (TQ6474)	05/10/2019	N
Cuckoo	<i>Cuculus canorus</i>	BAP; Berne:A3; BoCC5:Red; S41; KRDB2	4	24/05/2015		Gravesend (TQ6474)	24/05/2015	Y
Little Owl	<i>Athene noctua</i>	Berne:A2; ECCITES:A	1		18/03/2019	Gravesend (TQ6474)	18/03/2019	N
Short-eared Owl	<i>Asio flammeus</i>	Berne:A2; BoCC5:Amber; ECCITES:A; BirdsDir:A1	2		28/02/2016	Gravesend (TQ6474)	28/02/2016	N
Swift	<i>Apus apus</i>	Berne:A3; BoCC5:Red	71	31/07/2019	09/09/2019	Gravesend (TQ6474)	09/09/2019	Y
Kingfisher	<i>Alcedo atthis</i>	Berne:A2; BirdsDir:A1; WCA1	16	07/06/1980	29/09/2019	Gravesend (TQ6474)	29/09/2019	N
Green Woodpecker	<i>Picus viridis</i>	Berne:A2; BoCC5:Green	5		31/08/2019	Gravesend (TQ6474)	31/08/2019	N
Great Spotted Woodpecker	<i>Dendrocopus major</i>	Berne:A2; BoCC5:Green	19	01/04/2018	31/08/2019	Gravesend (TQ6474)	31/08/2019	N
Skylark	<i>Alauda arvensis</i>	BAP; Berne:A3; BoCC5:Red; BirdsDir:A2.2; KRDB2; S41	12	25/04/2019	18/03/2019	Gravesend (TQ6474)	25/04/2019	N
Sand Martin	<i>Riparia riparia</i>	Berne:A2; BoCC5:Green	8	02/05/2016	29/09/2019	Gravesend (TQ6474)	29/09/2019	N
Swallow	<i>Hirundo rustica</i>	Berne:A2; BoCC5:Green	37	21/05/2019	01/10/2019	Gravesend (TQ6474)	01/10/2019	Y
House Martin	<i>Delichon urbica</i>	Berne:A2; BoCC5:Red	11	25/06/2018	29/09/2019	Gravesend (TQ6474)	29/09/2019	Y
Meadow Pipit	<i>Anthus pratensis</i>	Berne:A2; BoCC5:Amber	11	08/05/2015	29/09/2019	Gravesend (TQ6474)	29/09/2019	N
Rock Pipit	<i>Anthus petrosus</i>	Berne:A2; BoCC5:Green (subsp. Amber); KRDB1	8		12/02/2016	Gravesend (TQ6474)	12/02/2016	N
Yellow Wagtail	<i>Motacilla flava</i>	BAP; Berne:A2; BoCC5:Red; S41; KRDB2	2	12/04/2014	27/08/2019	Gravesend (TQ6474)	27/08/2019	N
Grey Wagtail	<i>Motacilla cinerea</i>	Berne:A2; BoCC5:Amber	29	10/05/2019	31/12/2019	Gravesend (TQ6474)	31/12/2019	N
Pied Wagtail	<i>Motacilla alba yarrellii</i>	Berne:A2; BoCC5:Green (subsp. Amber)	48	04/06/2019	17/12/2019	Gravesend (TQ6474)	17/12/2019	Y

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Waxwing	<i>Bombycilla garrulus</i>	Berne:A2	18	21/04/2013	14/01/2019	Gravesend (TQ6474)	14/01/2019	N
Wren	<i>Troglodytes troglodytes</i>	Berne:A2; BoCC5:Amber	51	29/04/2019	22/10/2019	Gravesend (TQ6474)	22/10/2019	Y
Dunnock	<i>Prunella modularis</i>	BAP; Berne:A2; BoCC5:Amber; S41	52	30/05/2016	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y
Robin	<i>Erithacus rubecula</i>	Berne:A2; Bonn:A2	79	27/07/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y
Bluethroat	<i>Luscinia svecica</i>	Berne:A2; Bonn:A2; BirdsDir:A1; WCA1	1		22/09/1960	Gravesend (TQ6474)	22/09/1960	N
Black Redstart	<i>Phoenicurus ochruros</i>	Berne:A2; BoCC5:Amber; Bonn:A2; KRDB1; WCA1	3		28/11/2015	Gravesend (TQ6474)	28/11/2015	N
Redstart	<i>Phoenicurus phoenicurus</i>	Berne:A2; BoCC5:Amber; Bonn:A2; KRDB1	1	29/06/2011		Gravesend (TQ6474)	29/06/2011	N
Whinchat	<i>Saxicola rubetra</i>	Berne:A2; BoCC5:Red; Bonn:A2	1		01/09/1980	Gravesend (TQ6474)	01/09/1980	N
Stonechat	<i>Saxicola torquata</i>	Berne:A2; Bonn:A2; KRDB1	1		05/02/2010	Gravesend (TQ6474)	05/02/2010	N
Wheatear	<i>Oenanthe oenanthe</i>	Berne:A2; BoCC5:Amber; Bonn:A2; KRDB1	1	18/04/2018		Gravesend (TQ6474)	18/04/2018	N
Blackbird	<i>Turdus merula</i>	Berne:A3; BirdsDir:A2.2	89	10/05/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y
Fieldfare	<i>Turdus pilaris</i>	Berne:A3; BoCC5:Red; BirdsDir:A2.2; WCA1	5		30/10/2019	Gravesend (TQ6474)	30/10/2019	N
Song Thrush	<i>Turdus philomelos</i>	BAP; Berne:A3; BoCC5:Amber; BirdsDir:A2.2; KRDB2; S41	41	30/07/2019	09/11/2019	Gravesend (TQ6474)	09/11/2019	Y
Redwing	<i>Turdus iliacus</i>	Berne:A3; BoCC5:Amber; BirdsDir:A2.2; WCA1	13		08/03/2019	Gravesend (TQ6474)	08/03/2019	N
Mistle Thrush	<i>Turdus viscivorus</i>	Berne:A3; BoCC5:Red; BirdsDir:A2.2	59	04/06/2019	22/12/2019	Gravesend (TQ6474)	22/12/2019	Y
Cetti's Warbler	<i>Cettia cetti</i>	Berne:A2; KRDB3; WCA1	4		30/09/2019	Gravesend (TQ6474)	30/09/2019	N
Sedge Warbler	<i>Acrocephalus schoenobaenus</i>	Berne:A2; BoCC5:Amber	1	20/04/2014		Gravesend (TQ6474)	20/04/2014	N
Reed Warbler	<i>Acrocephalus scirpaceus</i>	Berne:A2; KRDB3	53	30/07/2019	06/08/2019	Gravesend (TQ6474)	06/08/2019	N
Lesser Whitethroat	<i>Sylvia curruca</i>	Berne:A2	3	27/04/2015		Gravesend (TQ6474)	27/04/2015	Y

Common Name	Scientific Name	Designation	Number of Records	Recent Summer (Apr-Jul)	Recent Winter (Aug-Mar)	Nearest Location	Date of Nearest	Confirmed Breeding?
Whitethroat	<i>Sylvia communis</i>	Berne:A2; BoCC5:Amber	23	24/04/2019	21/08/2019	Gravesend (TQ6474)	21/08/2019	Y
Garden Warbler	<i>Sylvia borin</i>	Berne:A2	1		15/08/2016	Gravesend (TQ6474)	15/08/2016	N
Blackcap	<i>Sylvia atricapilla</i>	Berne:A2	103	29/07/2019	27/11/2019	Gravesend (TQ6474)	27/11/2019	Y
Yellow-browed Warbler	<i>Phylloscopus inornatus</i>	Berne:A2; BoCC5:Amber	2		10/10/2018	Gravesend (TQ6474)	10/10/2018	N
Chiffchaff	<i>Phylloscopus collybita</i>	Berne:A2	102	12/04/2018	09/11/2019	Gravesend (TQ6474)	09/11/2019	Y
Chiffchaff (P.c.tristis)	<i>Phylloscopus collybita tristis</i>	Berne:A2	1	04/04/2015		Gravesend (TQ6474)	04/04/2015	N
Willow Warbler	<i>Phylloscopus trochilus</i>	Berne:A2; BoCC5:Amber	10	29/04/2019	24/09/2019	Gravesend (TQ6474)	24/09/2019	N
Goldcrest	<i>Regulus regulus</i>	Berne:A2	25		16/12/2019	Gravesend (TQ6474)	16/12/2019	N
Firecrest	<i>Regulus ignicapillus</i>	Berne:A2; BoCC5:Green; KRDB1; WCA1	1		31/01/2016	Gravesend (TQ6474)	31/01/2016	N
Spotted Flycatcher	<i>Muscicapa striata</i>	BAP; Berne:A2; BoCC5:Red; Bonn:A2; KRDB2; S41	3		25/09/2019	Gravesend (TQ6474)	25/09/2019	N
Pied Flycatcher	<i>Ficedula hypoleuca</i>	Berne:A2; BoCC5:Amber; Bonn:A2	1		23/08/2015	Gravesend (TQ6474)	23/08/2015	N
Long-tailed Tit	<i>Aegithalos caudatus</i>	Berne:A3; BoCC5:Green (subsp. Amber)	43	25/04/2019	17/12/2019	Gravesend (TQ6474)	17/12/2019	Y
Blue Tit	<i>Parus caeruleus</i>	Berne:A2; BoCC5:Green (subsp. Amber)	57	04/06/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y
Great Tit	<i>Parus major</i>	Berne:A2	46	10/05/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y
Jay	<i>Garrulus glandarius</i>	BoCC5:Green (subsp. Amber); BirdsDir:A2.2	26	18/06/2019	02/10/2019	Gravesend (TQ6474)	02/10/2019	Y
Magpie	<i>Pica pica</i>	BirdsDir:A2.2	51	10/05/2019	22/10/2019	Gravesend (TQ6474)	22/10/2019	Y
Nutcracker	<i>Nucifraga caryocatactes</i>	Berne:A2	1		26/08/1963	Gravesend (TQ6474)	26/08/1963	N
Jackdaw	<i>Corvus monedula</i>	BirdsDir:A2.2	9	10/05/2019	22/10/2019	Gravesend (TQ6474)	22/10/2019	Y
Rook	<i>Corvus frugilegus</i>	BirdsDir:A2.2; BoCC5:Amber	2	01/06/1968	19/09/2015	Gravesend (TQ6474)	19/09/2015	Y
Carrion Crow	<i>Corvus corone corone</i>	BirdsDir:A2.2	80	10/05/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y

Common Name	Scientific Name	Designation	Number of Records	Recent Summer (Apr-Jul)	Recent Winter (Aug-Mar)	Nearest Location	Date of Nearest	Confirmed Breeding?
Hooded Crow	<i>Corvus corone cornix</i>		1	21/05/1979		Gravesend (TQ6474)	21/05/1979	N
Raven	<i>Corvus corax</i>	Berne:A3	8	20/04/2014	25/11/2019	Gravesend (TQ6474)	25/11/2019	N
Starling	<i>Sturnus vulgaris</i>	BAP; BoCC5:Red; BirdsDir:A2.2; S41; KRDB2	93	15/07/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y
House Sparrow	<i>Passer domesticus</i>	BAP; BoCC5:Red; KRDB2; S41	91	06/07/2019	02/12/2019	Gravesend (TQ6474)	02/12/2019	Y
Chaffinch	<i>Fringilla coelebs</i>	Berne:A3; BoCC5:Green (subsp. Amber)	63	12/04/2018	27/11/2019	Gravesend (TQ6474)	27/11/2019	Y
Brambling	<i>Fringilla montifringilla</i>	Berne:A3; WCA1	1		10/10/2018	Gravesend (TQ6474)	10/10/2018	N
Greenfinch	<i>Carduelis chloris</i>	Berne:A2; BoCC5:Red	63	15/07/2019	24/10/2019	Gravesend (TQ6474)	24/10/2019	Y
Goldfinch	<i>Carduelis carduelis</i>	Berne:A2; BoCC5:Green (subsp. Amber)	61	25/06/2019	26/03/2019	Gravesend (TQ6474)	25/06/2019	Y
Linnet	<i>Carduelis cannabina</i>	BAP; Berne:A2; BoCC5:Red; KRDB2; S41	21	04/06/2019	18/03/2019	Gravesend (TQ6474)	04/06/2019	Y
Lesser Redpoll	<i>Carduelis cabaret</i>	BAP; Berne:A3; BoCC5:Red; KRDB1; S41	2	20/04/2014	05/11/2015	Gravesend (TQ6474)	05/11/2015	N
Common Crossbill	<i>Loxia curvirostra</i>	Berne:A2; WCA1	1	14/07/2004		Gravesend (TQ6474)	14/07/2004	N
Bullfinch	<i>Pyrrhula pyrrhula</i>	BAP; Berne:A3; BoCC5:Amber; S41	2	01/06/1989		TQ67 (TQ67H)	01/06/1989	Y
Snow Bunting	<i>Plectrophenax nivalis</i>	Berne:A2; BoCC5:Amber; WCA1	4		30/11/2011	Gravesend (TQ6474)	30/11/2011	N
Yellowhammer	<i>Emberiza citrinella</i>	BAP; Berne:A2; BoCC5:Red; KRDB2; S41	2		12/03/2017	Gravesend (TQ6474)	12/03/2017	N
Corn Bunting	<i>Miliaria calandra</i>	BAP; Berne:A3; BoCC5:Red; KRDB2; S41	1	16/04/2008		Gravesend (TQ6474)	16/04/2008	N
Black Swan	<i>Cygnus atratus</i>		77	21/07/2016	10/10/2018	Gravesend (TQ6474)	10/10/2018	N



Brogdale Farm, Brogdale Road, Faversham. ME13 8XZ
 Tel: (01795) 532385
 Fax: (01795) 532386
 E-Mail: info@kmbrc.org.uk
 Web: www.kmbrc.org.uk



Area requested - Imperial Wharf.

Enquiry on behalf of Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd

09/06/2022 ENQ/22/236

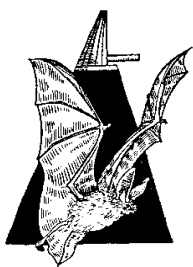
5km radius search surrounding TQ63927447

9 species of bat, of the 15 species recorded in Kent, have been recorded in this area.

Only 10 of the 16 species found in Kent have been recorded more than a few times.

Common Name	Latin Name	Designation Summary See supporting information for further information.	Number of		Nearest Location	Date of Nearest
			Non-Roost Records	Roost Records		
Serotine Bat	<i>Eptesicus serotinus</i>	HabDir:A4; Berne:A2; Bonn:A2; WCA5; KRDB3	2	0	TQ667731	03/08/2011
Alcathoe Bat	<i>Myotis alcathoe</i>		0	0		
Bechstein's Bat	<i>Myotis bechsteinii</i>		0	0		
Brandt's Bat	<i>Myotis brandtii</i>		0	0		
Daubenton's Bat	<i>Myotis daubentonii</i>	HabDir:A4; Berne:A2; Bonn:A2; WCA5	3	4	TQ6574	15/03/2001
Greater Horseshoe Bat	<i>Rhinolophus ferrumequinum</i>		0	0		
Greater Mouse-Eared Bat	<i>Myotis myotis</i>		0	0		
Whiskered Bat	<i>Myotis mystacinus</i>		0	0		
Natterer's Bat	<i>Myotis nattereri</i>	HabDir:A4; Berne:A2; Bonn:A2; WCA5; KRDB2	1	3	TQ6473	06/09/1984
Leisler's Bat	<i>Nyctalus leisleri</i>	HabDir:A4; Berne:A2; Bonn:A2; WCA5; KRDB1	7	0	TQ659733	19/05/2008
Noctule Bat	<i>Nyctalus noctula</i>	HabDir:A4; Berne:A2; Bonn:A2; BAP; S41; WCA5; KRDB2	6	1	TQ616731	06/09/2017
Nathusius' Pipistrelle Bat	<i>Pipistrellus nathusii</i>	HabDir:A4; Berne:A2; Bonn:A2; WCA5	1	0	TQ668717	07/11/2015
Pipistrelle Bat (45kHz)	<i>Pipistrellus pipistrellus</i>	HabDir:A4; Berne:A3; Bonn:A2; WCA5	44	6	TQ6474	09/07/2002
Pipistrelle Bat (55kHz)	<i>Pipistrellus pygmaeus</i>	HabDir:A4; Berne:A2; Bonn:A2; BAP; S41; WCA5	11	0	TQ630730	22/05/2008
Long-eared Bat Brown	<i>Plecotus auritus</i>	HabDir:A4; Berne:A2; Bonn:A2; BAP; S41; WCA5; KRDB2	5	3	TQ626715	26/09/2012
Long-Eared Bat Grey	<i>Plecotus austriacus</i>	HabDir:A4; Berne:A2; Bonn:A2; WCA5				

Note that **all** bats have at least the following designations: HabDir:A4; Berne:A2; Bonn:A2; WCA5



**Kent
Bat
Group**

Brogdale Farm, Brogdale Road, Faversham. ME13 8XZ
Tel: (01795) 532385
Fax: (01795) 532386
E-Mail: info@kmbrc.org.uk
Web: www.kmbrc.org.uk



**Biological
Records Centre**

Area requested - Imperial Wharf.

Enquiry on behalf of Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd
09/06/2022 ENQ/22/236

5km radius search surrounding TQ63927447

Grid Square	Grid Reference	Distance (km)	Common Name	Record Type	Count	ID Method	Date
TQ5974	TQ590745	4.9 (4.8 - 4.9)	Pipistrelle Bat (45kHz)	Dead Bat	1	Close Observation	23/06/2012
TQ5974	TQ592742	4.7 (4.6 - 4.7)	Pipistrellus (45 or 55kHz) species	Flying Bat	4	Sight Record Only	09/07/2015
TQ5974	TQ592745	4.7 (4.6 - 4.7)	Bat	Roost (unknown type)	10	Sight Record Only	23/09/1987
TQ5974	TQ592749	4.7 (4.6 - 4.8)	Daubenton's Bat	Hibernating Bat	1	Close Observation	10/01/2003
TQ5974	TQ592749	4.7 (4.6 - 4.8)	Daubenton's Bat	Hibernating Bat	1	Close Observation	18/01/2005
TQ5974	TQ592749	4.7 (4.6 - 4.8)	Noctule Bat	Hibernating Bat	1	Close Observation	03/01/2002
TQ5974	TQ592749	4.7 (4.6 - 4.8)	Pipistrelle Bat (45kHz)	Hibernating Bat	1	Close Observation	06/02/2002
TQ5974	TQ592749	4.7 (4.6 - 4.8)	Pipistrelle Bat (45kHz)	Hibernating Bat	1	Close Observation	02/03/2007
TQ5974	TQ592749	4.7 (4.6 - 4.8)	Pipistrellus (45 or 55kHz) species	Hibernating Bat	1	Close Observation	03/01/2002
TQ5974	TQ5971974 179	4.2 (4.2 - 4.2)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	N/A	Sight Record and Bat Detector	16/05/2019
TQ5974	TQ5971974 179	4.2 (4.2 - 4.2)	Pipistrelle Bat (45kHz)	Roost (unknown type)	N/A	Sight Record and Bat Detector	16/05/2019
TQ5975	TQ593750	4.6 (4.5 - 4.7)	Bat	Roost (unknown type)	1	Examined in Hand	17/02/1998
TQ5975	TQ593750	4.6 (4.5 - 4.7)	Daubenton's Bat	Hibernating Bat	1	Close Observation	10/02/2002
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Long-Eared Bat Brown	Flying Bat	1	Sight & Bat Detector	26/06/1999
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Long-Eared Bat Brown	Hibernating Bat	1	Close Observation	18/02/2000
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Myotis species	Hibernating Bat	1	Sight & Bat Detector	21/01/2001
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Noctule Bat	Flying Bat	1	Sight & Bat Detector	26/06/1999
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Noctule Bat	Flying Bat	1	Sight & Bat Detector	30/07/1999
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Pipistrelle Bat (45kHz)	Flying Bat	1	Sight & Bat Detector	26/06/1999
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Pipistrelle Bat (45kHz)	Flying Bat	1	Sight & Bat Detector	30/07/1999
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Pipistrelle Bat (45kHz)	Hibernating Bat	1	Close Observation	18/02/2000
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Pipistrelle Bat (55kHz)	Flying Bat	1	Sight & Bat Detector	26/06/1999

Grid Square	Grid Reference	Distance (km)	Common Name	Record Type	Count	ID Method	Date
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Pipistrelle Bat (55kHz)	Flying Bat	1	Sight & Bat Detector	30/07/1999
TQ5975	TQ593751	4.6 (4.6 - 4.7)	Serotine Bat	Flying Bat	1	Sight & Bat Detector	30/07/1999
TQ5975	TQ594750	4.5 (4.5 - 4.6)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	21/04/2017
TQ6072	TQ607720	4.0 (3.9 - 4.1)	Pipistrelle Bat (45kHz)	Roost (unknown type)	16	Examined in Hand	15/07/2002
TQ6073	TQ604731	3.7 (3.6 - 3.8)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	3	Sound Analysis	29/06/2011
TQ6073	TQ604731	3.7 (3.6 - 3.8)	Pipistrelle Bat (55kHz)	Flying Bat Feeding	3	Sound Analysis	29/06/2011
TQ6074	TQ601748	3.8 (3.7 - 3.9)	Leisler's Bat	Flying Bat	1	Sound Analysis	28/05/2015
TQ6074	TQ601748	3.8 (3.7 - 3.9)	Pipistrelle Bat (45kHz)	Flying Bat	2	Sound Analysis	28/05/2015
TQ6074	TQ602749	3.7 (3.6 - 3.8)	Leisler's Bat	Flying Bat Feeding	2	Sound Analysis	11/08/2015
TQ6074	TQ602749	3.7 (3.6 - 3.8)	Noctule Bat	Flying Bat Feeding	2	Sound Analysis	11/08/2015
TQ6074	TQ602749	3.7 (3.6 - 3.8)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	1	Sound Analysis	11/08/2015
TQ6074	TQ606747	3.3 (3.2 - 3.3)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Close Observation	04/08/2009
TQ6074	TQ606749	3.3 (3.2 - 3.4)	Pipistrellus (45 or 55kHz) species	Grounded Bat	1	Close Observation	03/03/1990
TQ6074	TQ607747	3.2 (3.1 - 3.2)	Daubenton's Bat	Grounded Bat	1	Examined in Hand	08/06/2002
TQ6075	TQ601756	4.0 (3.9 - 4.0)	Pipistrelle Bat (45kHz)	Flying Bat	3	Sound Analysis	22/09/2015
TQ6075	TQ601756	4.0 (3.9 - 4.0)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	1	Sound Analysis	22/09/2015
TQ6075	TQ601756	4.0 (3.9 - 4.0)	Pipistrelle Bat (55kHz)	Flying Bat	1	Sound Analysis	22/09/2015
TQ6170	TQ615708	4.3 (4.3 - 4.4)	Pipistrellus (45 or 55kHz) species	Roost (unknown type)	1	Examined in Hand	17/05/1991
TQ6171	TQ6138371 161	4.2 (4.2 - 4.2)	Long-Eared species	Droppings Only	N/A	Droppings only	28/02/2016
TQ6171	TQ6138371 161	4.2 (4.2 - 4.2)	Pipistrellus (45 or 55kHz) species	Droppings Only	N/A	Droppings only	28/02/2016
TQ6171	TQ614711	4.1 (4.1 - 4.2)	Long-Eared species	Roost (unknown type)	N/A	Droppings Only	24/02/2006
TQ6173	TQ616730	2.7 (2.6 - 2.8)	Daubenton's Bat	Flying Bat Feeding	3	Sound Analysis	18/08/2015
TQ6173	TQ616730	2.7 (2.6 - 2.8)	Leisler's Bat	Flying Bat Feeding	2	Sound Analysis	18/08/2015
TQ6173	TQ616730	2.7 (2.6 - 2.8)	Natterer's Bat	Flying Bat	1	Sound Analysis	18/08/2015
TQ6173	TQ616730	2.7 (2.6 - 2.8)	Noctule Bat	Flying Bat Feeding	1	Sound Analysis	18/08/2015
TQ6173	TQ616730	2.7 (2.6 - 2.8)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	10	Sound Analysis	18/08/2015
TQ6173	TQ616730	2.7 (2.6 - 2.8)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	5	Sound Analysis	08/09/2015
TQ6173	TQ616730	2.7 (2.6 - 2.8)	Pipistrelle Bat (55kHz)	Flying Bat Feeding	2	Sound Analysis	18/08/2015
TQ6173	TQ616730	2.7 (2.6 - 2.8)	Pipistrelle Bat (55kHz)	Flying Bat Feeding	1	Sound Analysis	08/09/2015
TQ6173	TQ616731	2.6 (2.6 - 2.7)	Noctule Bat	Flying Bat	1	Sound Analysis	06/09/2017

Grid Square	Grid Reference	Distance (km)	Common Name	Record Type	Count	ID Method	Date
TQ6173	TQ616731	2.6 (2.6 - 2.7)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	3	Sound Analysis	06/09/2017
TQ6174	TQ611741	2.8 (2.7 - 2.9)	Leisler's Bat	Flying Bat	1	Sound Analysis	28/07/2015
TQ6174	TQ611741	2.8 (2.7 - 2.9)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	2	Sound Analysis	28/07/2015
TQ6174	TQ611741	2.8 (2.7 - 2.9)	Pipistrelle Bat (55kHz)	Flying Bat	1	Sound Analysis	28/07/2015
TQ6174	TQ611748	2.8 (2.7 - 2.9)	Noctule Bat	Flying Bat	1	Sight & Bat Detector	10/07/2011
TQ6174	TQ616744	2.3 (2.2 - 2.3)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined in Hand	28/08/2003
TQ6174	TQ617743	2.2 (2.1 - 2.2)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	27/08/2018
TQ6174	TQ617743	2.2 (2.1 - 2.2)	Pipistrellus (45 or 55kHz) species	Roost (unknown type)	N/A	Examined In Hand	09/06/2007
TQ6174	TQ617744	2.2 (2.1 - 2.2)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined in Hand	23/08/2000
TQ6174	TQ617746	2.2 (2.1 - 2.2)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined in Hand	19/04/2002
TQ6269	TQ621698	5.0 (4.9 - 5.0)	Natterer's Bat	Hibernating Bat	2	Close Observation	15/01/2006
TQ6269	TQ622697	5.0 (4.9 - 5.1)	Long-Eared species	Droppings Only	N/A	Droppings Only	23/01/2015
TQ6271	TQ626715	3.2 (3.1 - 3.3)	Long-Eared Bat Brown	Flying Bat Feeding	1	Sight & Bat Detector	26/09/2012
TQ6271	TQ626715	3.2 (3.1 - 3.3)	Pipistrelle Bat (45kHz)	Roost (unknown type)	10	Sight & Bat Detector	27/09/2012
TQ6272	TQ6274272585	2.2 (2.2 - 2.2)	Pipistrellus species	Flying Bat	3	Sight Record Only	29/08/2012
TQ6272	TQ627725	2.3 (2.2 - 2.3)	Pipistrellus (45 or 55kHz) species	Roost (unknown type)	2	Close Observation	30/07/1990
TQ6272	TQ628726	2.1 (2.0 - 2.2)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	3	Sight & Bat Detector	07/05/2008
TQ6272	TQ628726	2.1 (2.0 - 2.2)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	3	Sight & Bat Detector	21/05/2008
TQ6272	TQ628726	2.1 (2.0 - 2.2)	Pipistrelle Bat (55kHz)	Flying Bat	1	Bat Detector	07/05/2008
TQ6273	TQ621731	2.2 (2.1 - 2.3)	Pipistrellus (45 or 55kHz) species	Flying Bat	2	Sight Record Only	16/07/2012
TQ6273	TQ623731	2.1 (2.0 - 2.1)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Close Observation	13/07/2012
TQ6273	TQ624730	2.1 (2.0 - 2.1)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	12/07/2013
TQ6273	TQ624733	1.9 (1.8 - 1.9)	Pipistrellus (45 or 55kHz) species	Flying Bat	2	Sight Record Only	15/07/2012
TQ6273	TQ625731	1.9 (1.8 - 2.0)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	18/07/2016
TQ6274	TQ621740	1.8 (1.8 - 1.9)	Myotis species	Roost (unknown type)	N/A	Examined in Hand	20/06/1989
TQ6274	TQ6274	1.4 (0.9 - 2.0)	Bat	Roost (unknown type)	N/A	Droppings Only	24/07/1990
TQ6369	TQ632699	4.6 (4.5 - 4.6)	Long-Eared Bat Brown	Roost (unknown type)	13	Close Observation	03/09/2002
TQ6369	TQ637697	4.7 (4.7 - 4.8)	Long-Eared Bat Brown	Grounded Bat	1	Examined in Hand	30/05/1990
TQ6370	TQ634703	4.2 (4.1 - 4.2)	Pipistrellus (45 or 55kHz) species	Flying Bat	2	Sight Record Only	04/10/2015
TQ6370	TQ639700	4.4 (4.4 - 4.5)	Bat	Maternity Roost	32	Sight Record Only	28/02/2005

Grid Square	Grid Reference	Distance (km)	Common Name	Record Type	Count	ID Method	Date
TQ6370	TQ639700	4.4 (4.4 - 4.5)	Vespertilionidae	Unknown	32	Sight Record Only	20/02/2005
TQ6373	TQ630730	1.7 (1.6 - 1.7)	Nyctalus species	Flying Bat	1	Bat Detector	22/05/2008
TQ6373	TQ630730	1.7 (1.6 - 1.7)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	2	Sight & Bat Detector	22/05/2008
TQ6373	TQ630730	1.7 (1.6 - 1.7)	Pipistrelle Bat (55kHz)	Flying Bat	1	Bat Detector	22/05/2008
TQ6373	TQ634733	1.2 (1.1 - 1.3)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	24/06/2015
TQ6373	TQ635731	1.4 (1.3 - 1.4)	Pipistrellus (45 or 55kHz) species	Roost (unknown type)	1	Close Observation	11/10/2001
TQ6373	TQ635732	1.3 (1.2 - 1.4)	Pipistrellus (45 or 55kHz) species	Grounded Bat	1	Examined in Hand	19/04/1993
TQ6373	TQ639737	0.7 (0.7 - 0.8)	Pipistrelle Bat (45kHz)	Flying Bat	1	Bat Detector	09/06/2004
TQ6379	TQ631794	5.0 (5.0 - 5.1)	Daubenton's Bat	Hibernating Bat	28	Close Observation	12/02/2006
TQ6379	TQ631794	5.0 (5.0 - 5.1)	Long-Eared Bat Brown	Hibernating Bat	1	Close Observation	12/02/2006
TQ6379	TQ631794	5.0 (5.0 - 5.1)	Natterer's Bat	Hibernating Bat	27	Close Observation	12/02/2006
TQ6469	TQ640697	4.7 (4.7 - 4.8)	Pipistrellus (45 or 55kHz) species	Grounded Bat	1	Examined in Hand	05/07/1999
TQ6472	TQ648722	2.4 (2.3 - 2.5)	Pipistrelle Bat (55kHz)	Grounded Bat	2	Examined In Hand	15/06/2017
TQ6473	TQ6473	1.1 (0.5 - 1.8)	Natterer's Bat	Roost (unknown type)	N/A	Examined in Hand	06/09/1984
TQ6473	TQ6473	1.1 (0.5 - 1.8)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined in Hand	09/05/2006
TQ6473	TQ648735	1.3 (1.2 - 1.4)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	1	Sight & Bat Detector	27/06/2005
TQ6474	TQ646743	0.7 (0.7 - 0.8)	Bat	Roost (unknown type)	1	Sight Record Only	06/06/1996
TQ6474	TQ6474	0.6 (0.1 - 1.2)	Pipistrelle Bat (45kHz)	Flying Bat	8	Bat Detector	09/07/2002
TQ6570	TQ65137005	4.6 (4.6 - 4.6)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	14/10/2014
TQ6570	TQ6535270913	3.8 (3.8 - 3.8)	Pipistrellus species	Dead Bat	1	Sight Record Only	22/05/2012
TQ6570	TQ6570	4.3 (3.6 - 4.9)	Pipistrelle Bat (45kHz)	Unknown	N/A	Unknown	26/07/2018
TQ6572	TQ656727	2.4 (2.4 - 2.5)	Bat	Roost (unknown type)	N/A	Droppings Only	29/11/1993
TQ6573	TQ654738	1.6 (1.6 - 1.7)	Pipistrellus (45 or 55kHz) species	Grounded Bat	1	Examined in Hand	19/05/1990
TQ6573	TQ659733	2.3 (2.2 - 2.4)	Leisler's Bat	Flying Bat	1	Bat Detector	19/05/2008
TQ6573	TQ659733	2.3 (2.2 - 2.4)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	3	Sight & Bat Detector	01/05/2008
TQ6574	TQ650741	1.2 (1.1 - 1.2)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	12/11/2019
TQ6574	TQ652743	1.3 (1.3 - 1.4)	Pipistrelle Kuhl's	Grounded Bat	1	Examined In Hand	31/03/2013
TQ6574	TQ653742	1.4 (1.4 - 1.5)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	2	Sight & Bat Detector	24/04/2013
TQ6574	TQ6574	1.6 (1.1 - 2.1)	Daubenton's Bat	Grounded Bat	1	Examined in Hand	15/03/2001
TQ6670	TQ660709	4.1 (4.0 - 4.2)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	03/08/2007

Grid Square	Grid Reference	Distance (km)	Common Name	Record Type	Count	ID Method	Date
TQ6670	TQ663709	4.3 (4.2 - 4.4)	Pipistrellus (45 or 55kHz) species	Maternity Roost	36	Examined in Hand	29/07/1987
TQ6670	TQ6670	4.7 (4.0 - 5.4)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined in Hand	18/03/2005
TQ6670	TQ6670	4.7 (4.0 - 5.4)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined in Hand	08/07/2005
TQ6671	TQ661714	3.8 (3.7 - 3.8)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	26/07/2011
TQ6671	TQ662712	4.0 (3.9 - 4.1)	Long-Eared Bat Brown	Grounded Bat	1	Examined In Hand	19/04/2010
TQ6671	TQ663712	4.0 (4.0 - 4.1)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	29/09/2016
TQ6671	TQ665713	4.1 (4.0 - 4.2)	Bat	Roost (unknown type)	N/A	Sight Record Only	01/07/1992
TQ6671	TQ668717	4.0 (3.9 - 4.1)	Nathusius' Pipistrelle Bat	Grounded Bat	1	Examined In Hand	07/11/2015
TQ6671	TQ669717	4.1 (4.0 - 4.1)	Pipistrellus (45 or 55kHz) species	Grounded Bat	1	Examined in Hand	15/03/1995
TQ6672	TQ666724	3.4 (3.3 - 3.5)	Pipistrellus (45 or 55kHz) species	Grounded Bat	1	Examined in Hand	23/09/1997
TQ6672	TQ668727	3.4 (3.3 - 3.5)	Pipistrellus (45 or 55kHz) species	Grounded Bat	1	Examined in Hand	12/08/1994
TQ6672	TQ669721	3.8 (3.7 - 3.9)	Pipistrelle Bat (45kHz)	Flying Bat	2	Bat Detector	20/05/2008
TQ6673	TQ663735	2.6 (2.5 - 2.7)	Leisler's Bat	Grounded Bat	1	Examined in Hand	02/06/1999
TQ6673	TQ664735	2.7 (2.6 - 2.8)	Bat	Flying Bat	4	Sight Record Only	19/06/1995
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Pipistrelle (45 or 55kHz) species	Flying Bat	N/A	Sight Record Only	07/08/2019
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Pipistrelle (45 or 55kHz) species	Flying Bat	N/A	Sight Record Only	08/08/2019
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Pipistrelle (45 or 55kHz) species	Flying Bat	N/A	Sight Record Only	09/08/2019
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Pipistrelle (45 or 55kHz) species	Flying Bat	N/A	Sight Record Only	10/08/2019
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Pipistrelle (45 or 55kHz) species	Flying Bat	N/A	Sight Record Only	11/08/2019
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Pipistrelle (45 or 55kHz) species	Flying Bat	N/A	Sight Record Only	12/08/2019
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Pipistrelle Bat (45kHz)	Flying Bat Feeding	3	Sight & Bat Detector	03/08/2011
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Pipistrelle Bat (55kHz)	Flying Bat	1	Bat Detector	03/08/2011
TQ6673	TQ667731	3.1 (3.0 - 3.2)	Serotine Bat	Flying Bat	1	Bat Detector	03/08/2011
TQ6770	TQ673707	5.1 (5.0 - 5.1)	Bat	Grounded Bat	1	Sight Record Only	15/09/1998
TQ6772	TQ670725	3.7 (3.6 - 3.7)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	30/03/2018
TQ6772	TQ671729	3.6 (3.5 - 3.6)	Bat	Roost (unknown type)	10	Sight Record Only	09/07/1991
TQ6772	TQ677729	4.1 (4.0 - 4.2)	Pipistrelle Bat (45kHz)	Grounded Bat	1	Examined In Hand	30/06/2020
TQ6772	TQ679728	4.3 (4.3 - 4.4)	Leisler's Bat	Flying Bat	1	Bat Detector	13/05/1994
TQ6773	TQ677733	4.0 (3.9 - 4.1)	Bat	Roost (unknown type)	12	Sight Record Only	19/09/1984
TQ6872	TQ683724	4.9 (4.8 - 4.9)	Bat	Flying Bat	9	Sight Record Only	15/06/1984

Grid Square	Grid Reference	Distance (km)	Common Name	Record Type	Count	ID Method	Date
TQ6872	TQ683724	4.9 (4.8 - 4.9)	Long-Eared Bat Brown	Dead Bat	1	Examined In Hand	16/04/2010

Gravesham Borough Council

Kent & Medway Biological Records Centre

Known Bat Roost Locations at
Imperial Wharf

Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd
ENQ/22/236 09/06/2022

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0 0.25 0.5 1 Kilometres

KEY

- Study Area
- Site Boundary

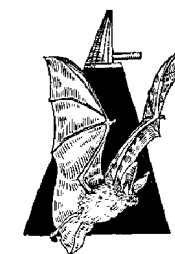
Roost Type

- Maternity Roost
- Hibernating Bat
- Roost (unknown type)
- Flying Bat

This map should be used in conjunction with the accompanying bat records report.

To convert from the eastings and northings grid shown to a standard OS grid reference, use the first digit from the easting to determine the 10km square: a 5 corresponds to TQ and a 6 to TR. The second and third digits from the easting and northing give the rest of the grid reference for the 1km square.

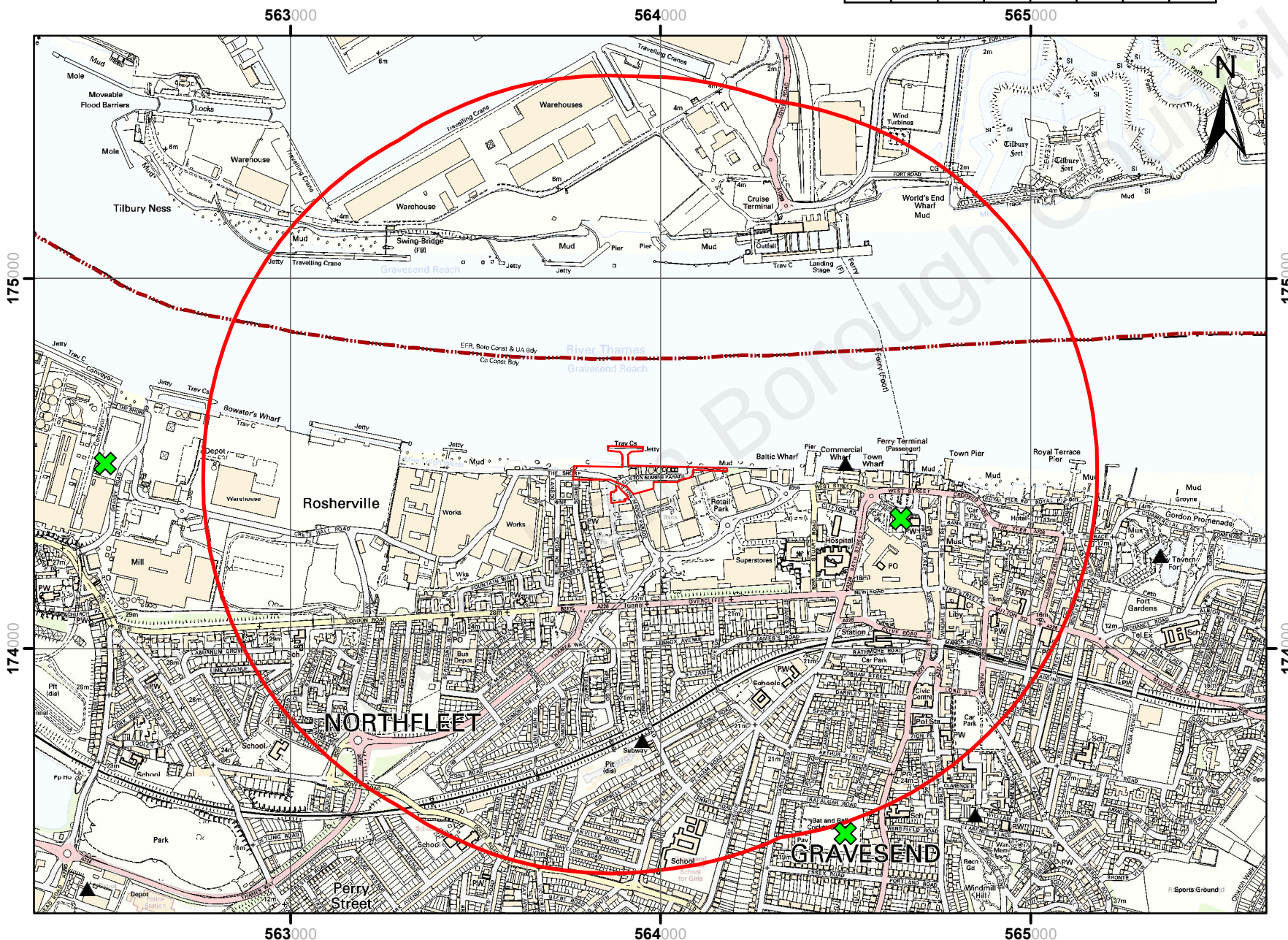
For example, coordinates (602000,158000) tell you the grid square is TR0258.



Kent
Bat
Group



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Biological
Records Centre



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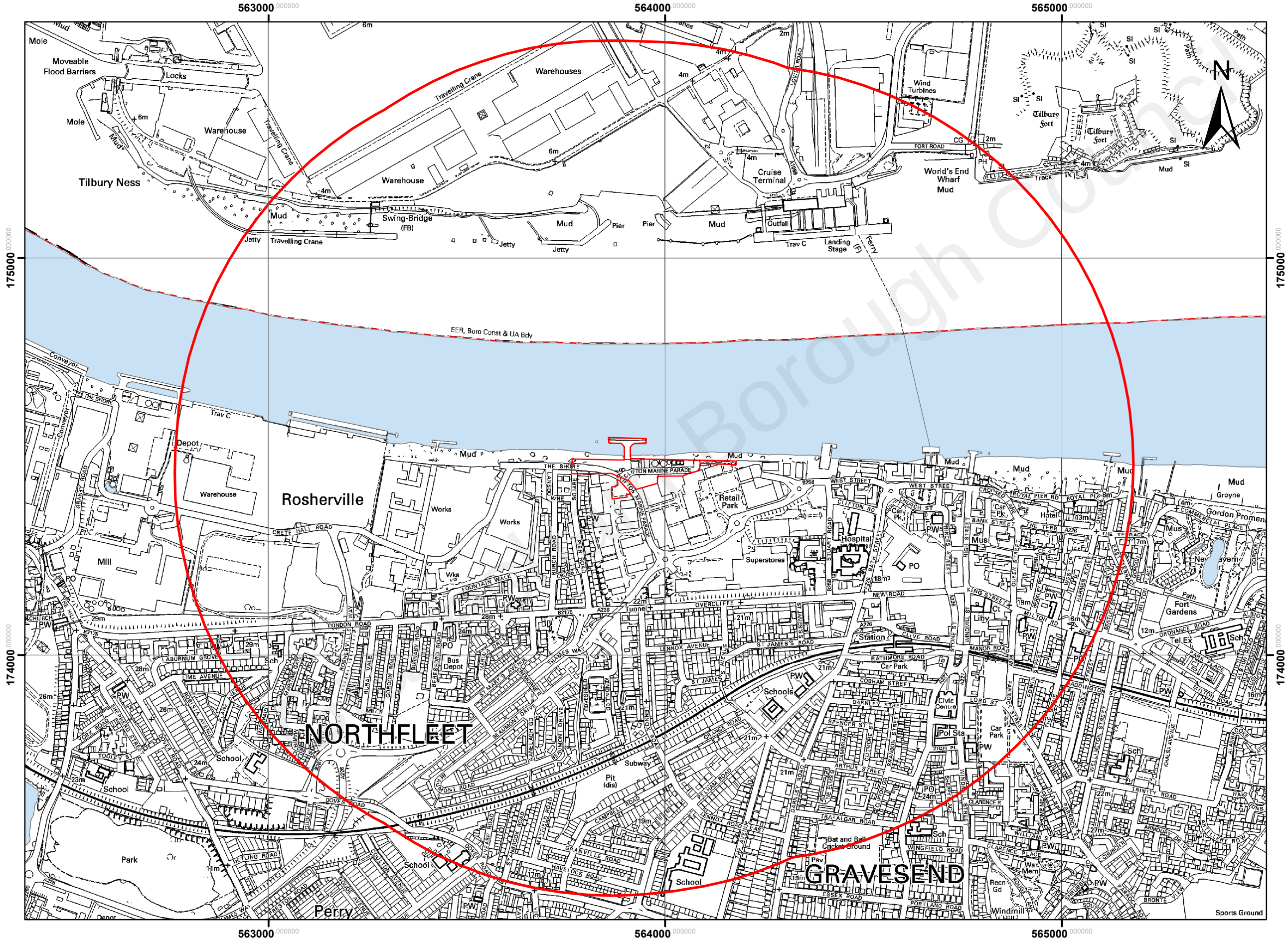
Map showing the statutory and non-statutory designated sites,
ancient woodland and water features at
Imperial Wharf

Jan Wilkinson, Wilkinson Associates Environmental Consultants Ltd
ENQ/22/236 09/06/2022

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0 0.25 0.5 1 Kilometres



KEY

- Study Area
- Site Boundary
- Water Feature
- County Boundary

