

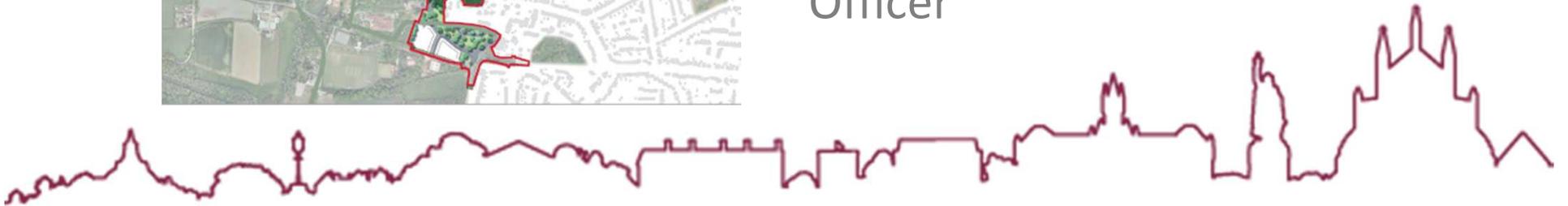
# WEST OF WATERLOOVILLE - ECOLOGY



10/02862/OUT

Rick Smith

WCC Acting Principal  
Ecologist and Biodiversity  
Officer



# OUTLINE



1. Background

2. Design considerations

3. Outcomes



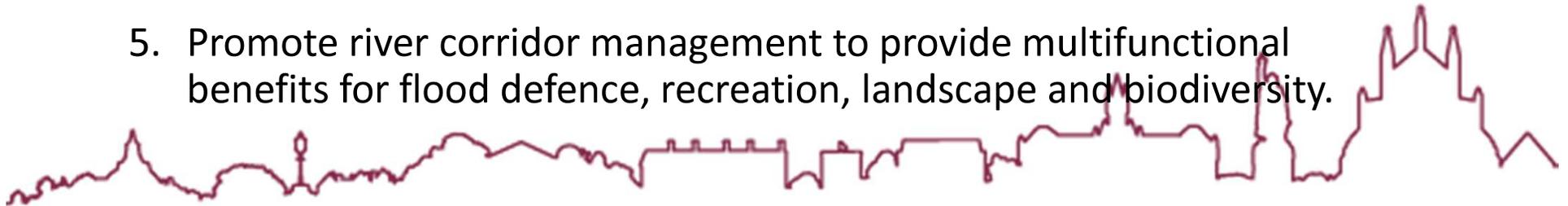
# ENVIRONMENTAL IMPACT ASSESSMENT

- EIA is a systematic and objective process through which the likely significant environmental effects (LSE) of a project can be identified, assessed and, wherever possible, mitigated.
- EIA aims to improve the environmental design of a development scheme and provide decision-makers with sufficient information about the environmental impacts of a proposal. This process and its outcomes are then reported in the Environmental Statement (ES).



# PUSH GREEN INFRASTRUCTURE OBJECTIVES

1. Conserve and enhance existing biodiversity: restoring habitats and connectivity of habitats at all scales and levels of designation.
2. Contribute to the mitigation of the impacts of growth on **European sites** using buffer zones, providing alternative recreation destinations and reducing the effects of coastal squeeze by providing new habitat sites.
3. Create a network of strategic long distance routes that is promoted and maintained to provide a network of linear access for a variety of users.
4. Increase natural storage capacity, reduce the run-off rate of storm water and increase onsite water purification and infiltration. Permeability in settlements across the sub-region should be maximised.
5. Promote river corridor management to provide multifunctional benefits for flood defence, recreation, landscape and biodiversity.



## EUROPEAN SITES

- The GI aims to achieve a net gain for local biodiversity but also provide high quality biodiverse-rich green space on the new community's '*doorstep*', thereby significantly reducing the likelihood that a significant number of residents will regularly feel the need to seek alternative locations, such as local coastal **European Sites**, for their informal recreational experiences.

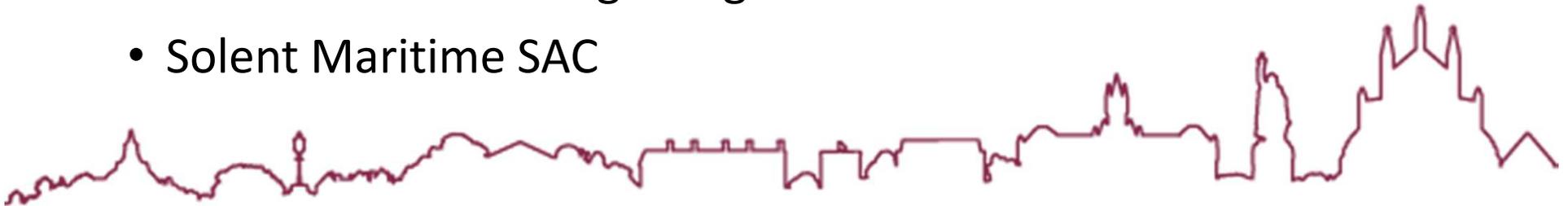


# EUROPEAN SITES



## EUROPEAN DESIGNATIONS

- The Solent and Southampton Water SPA and Ramsar site is designated for its wintering and breeding waterfowl. 17km from Waterlooville but has been included in the assessment due to the risk of increased recreational disturbance.
- River Itchen SAC is 15km from the site and relevant as it is the proposed source of the Site's domestic water supply. It is designated for its aquatic *Ranunculus* spp. and Southern Damselfly, Bullhead, White-clawed Crayfish, Brook lamprey, Atlantic salmon and Otter.
- Chichester and Langstone Harbours SPA and Ramsar
- Solent and Isle of Wight Lagoons SAC
- Solent Maritime SAC

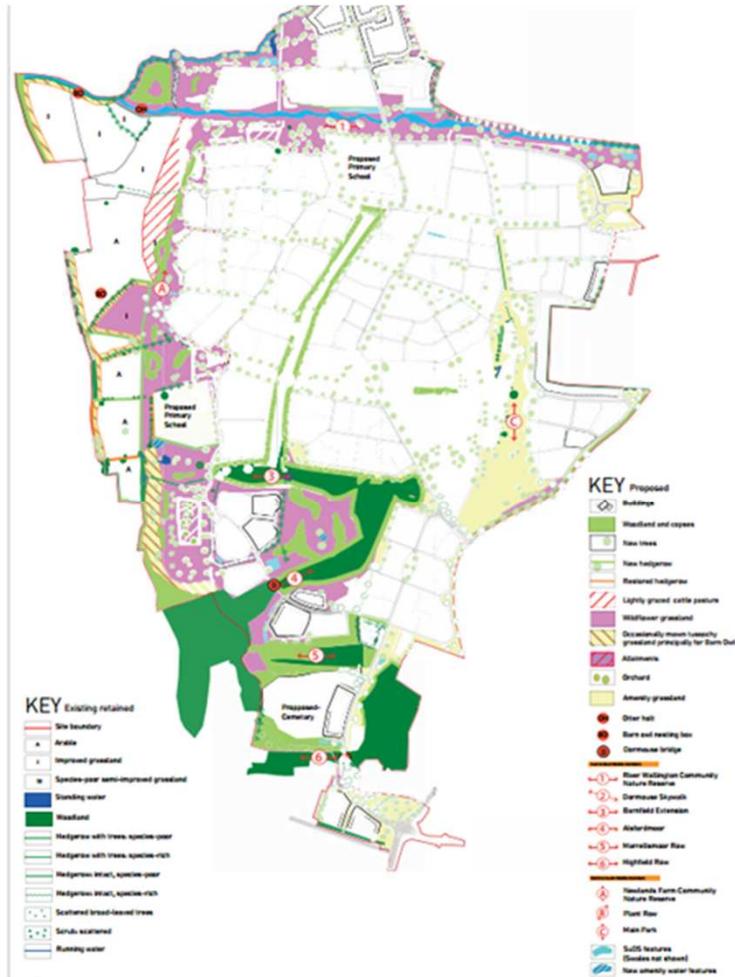


## CONCLUSION OF ES

- The proposed development will in the **short term have a minor adverse to negligible neutral** impact due to impacts on wildlife such as badgers, birds and reptiles as a result of construction, however in the **longer term impacts will be minor to moderate beneficial** through the conservation and management of habitats and the creation of new habitats, woodland, hedgerows, meadow, wetland and SuDS habitat.



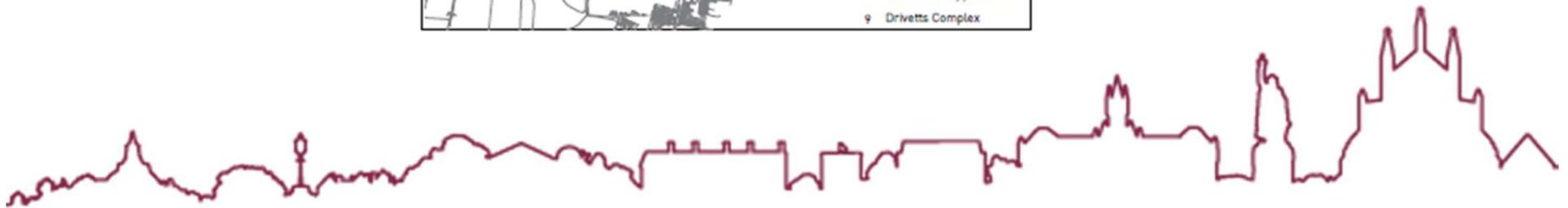
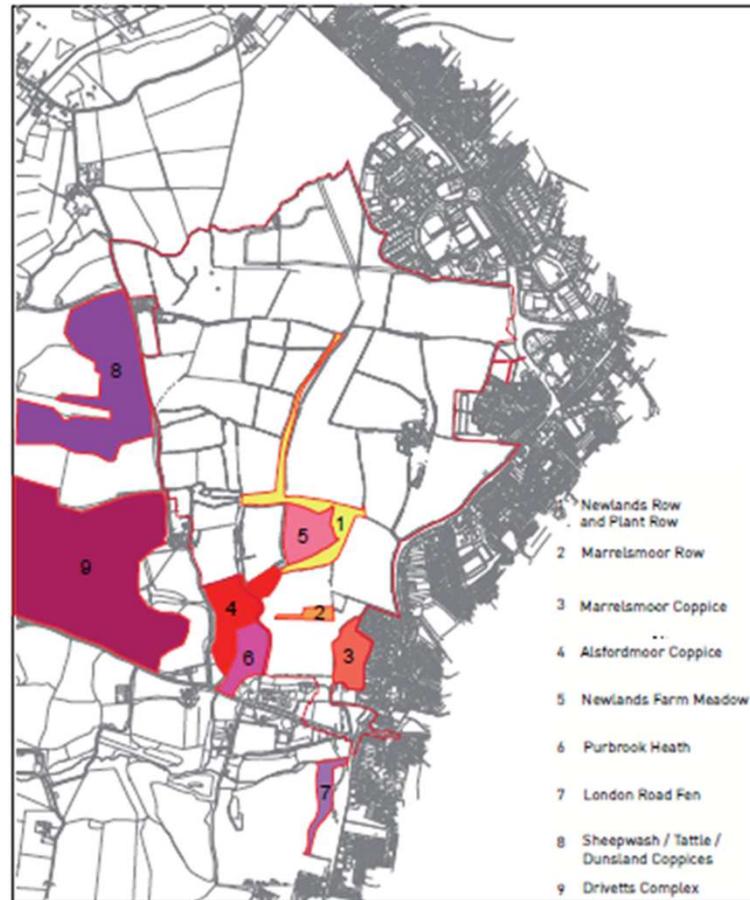
# PROPOSED AND RETAINED HABITATS



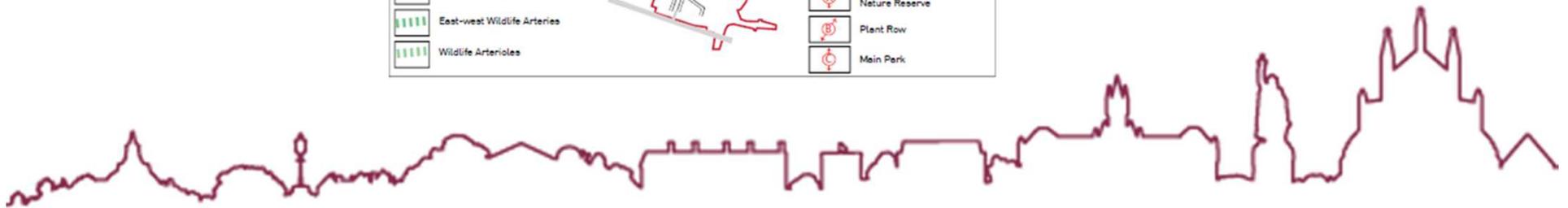
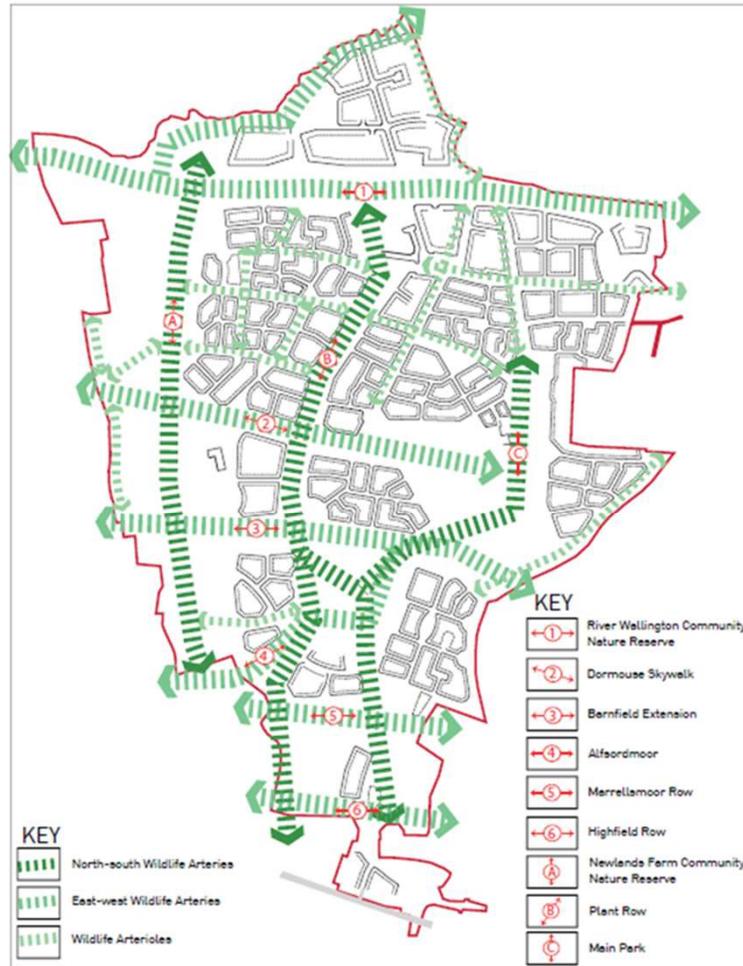
- Woodland
- Wildflower grassland
- Hedgerow
- Ponds
- Running water



# SINCS



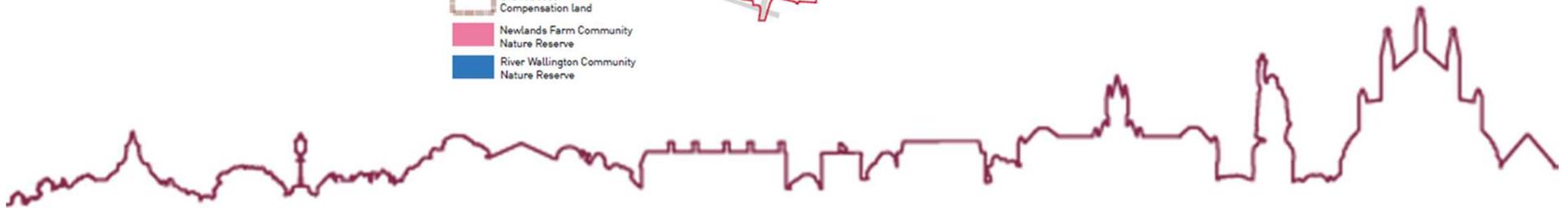
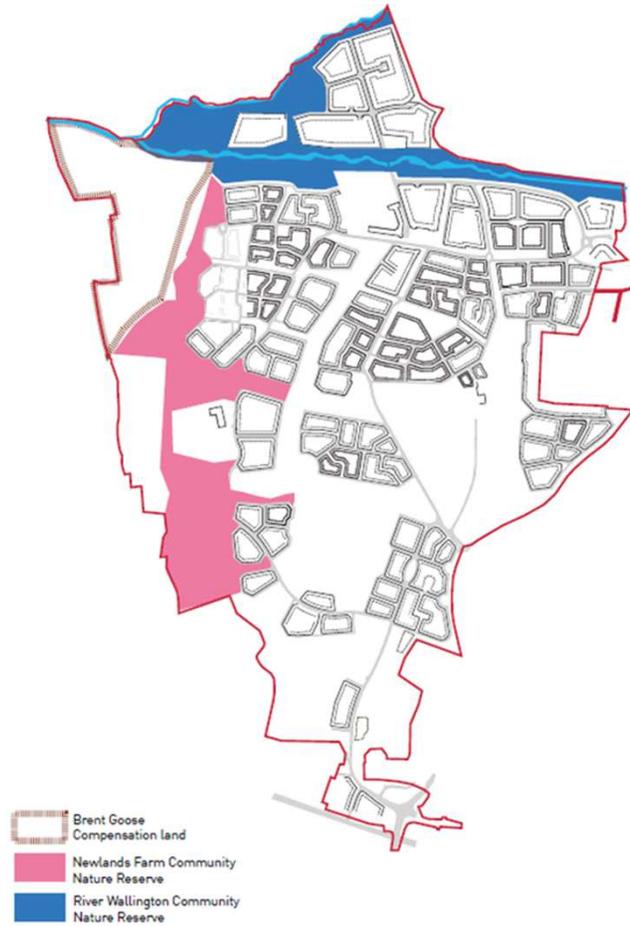
# THE GREEN WEB



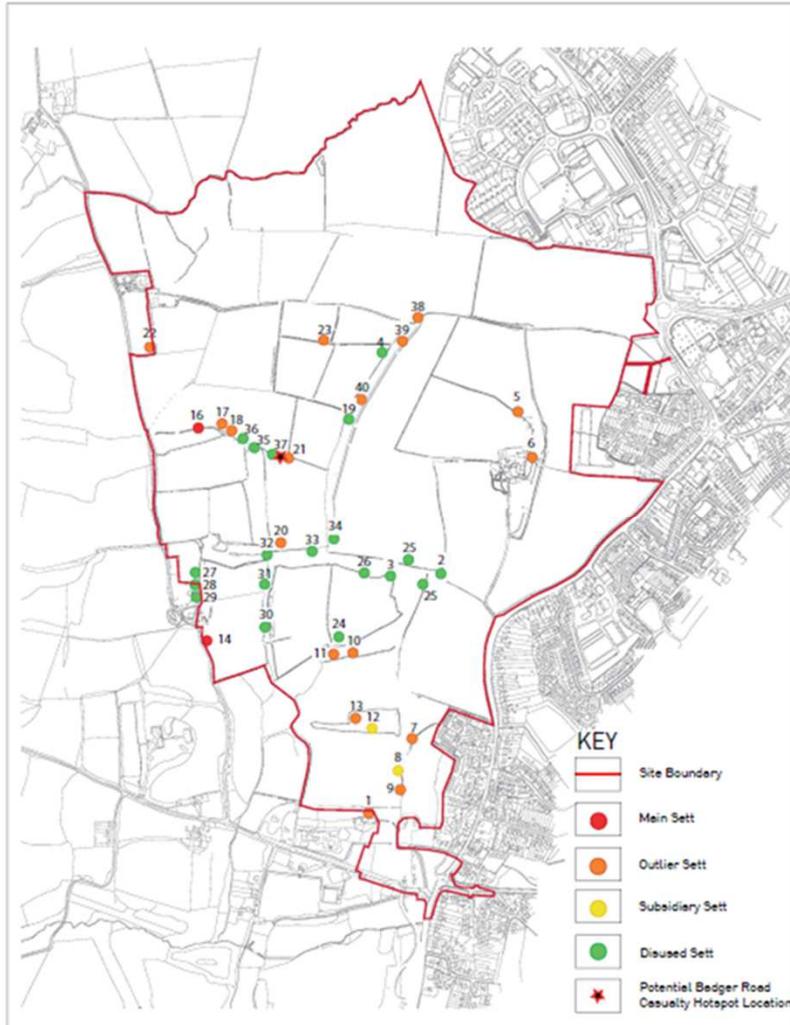
# GREEN INFRASTRUCTURE PROVISION



# COMMUNITY NATURE RESERVES AND BRENT GOOSE COMPENSATION LAND



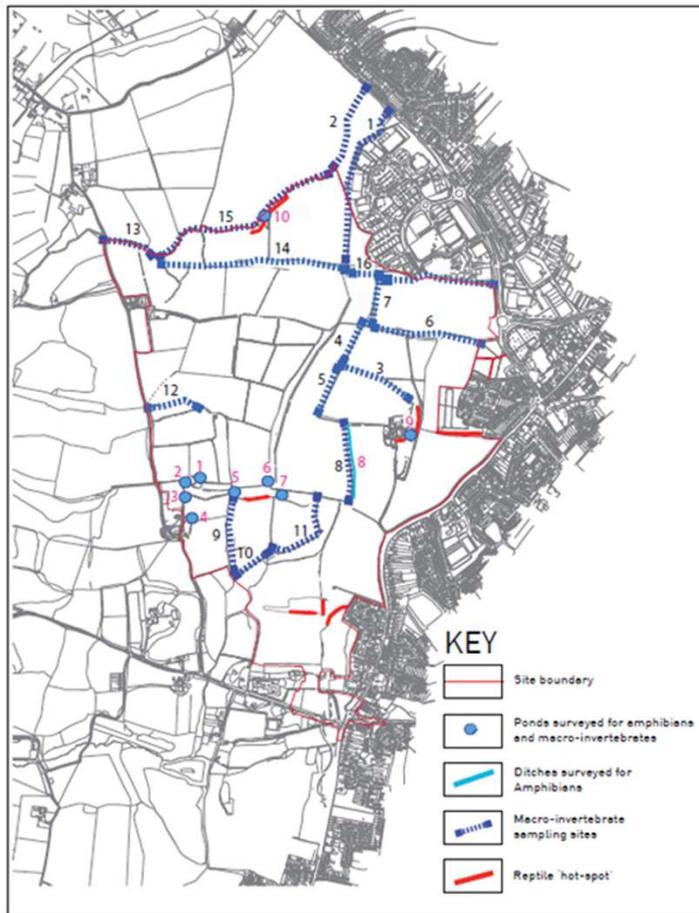
# BADGER SETT LOCATIONS



[www.wildlifetrusts.org](http://www.wildlifetrusts.org)



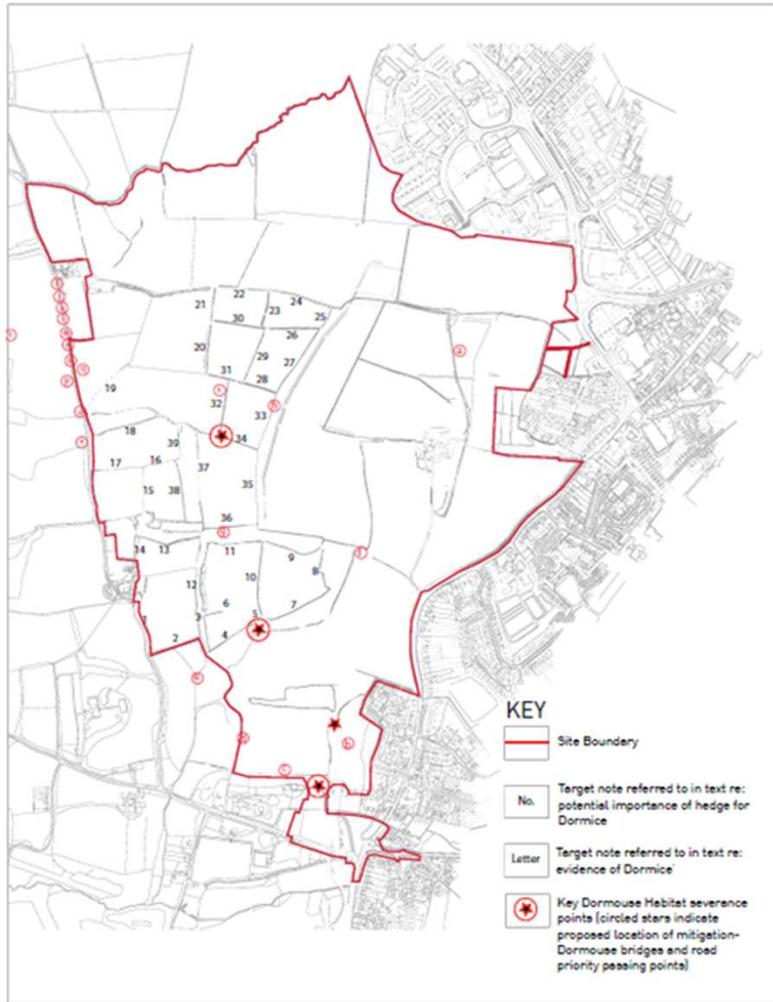
# AMPHIBIANS, REPTILES & INVERTEBRATES



[www.froglife.org](http://www.froglife.org)



# DORMICE RECORDS & HEDGEROWS ASSESSED



[www.ptes.org](http://www.ptes.org)

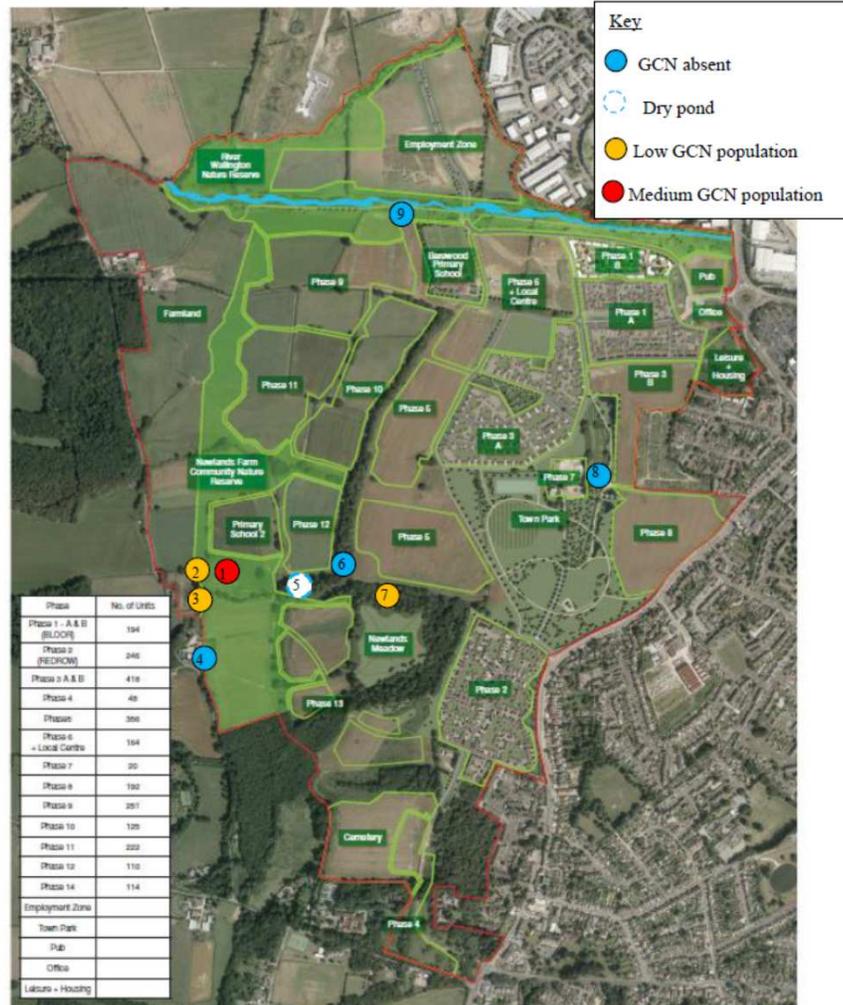


## OTHER FAUNA

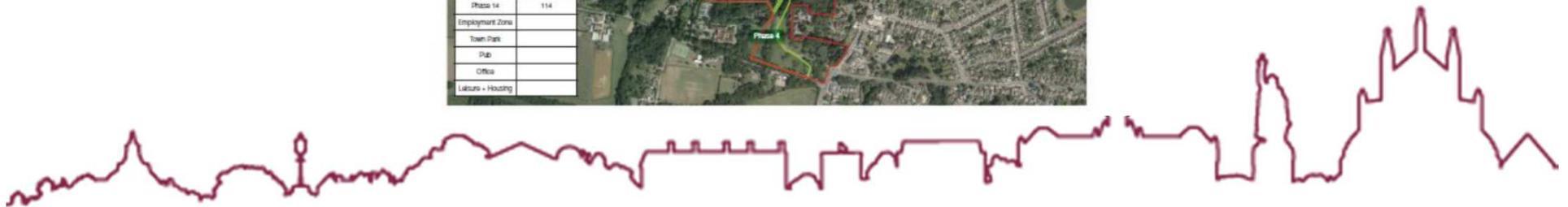
- Bats – At least 7 species
- Birds – breeding
- Birds – wintering – Brent Geese (not since 2006)
- Fish
- Invertebrates
- Otter



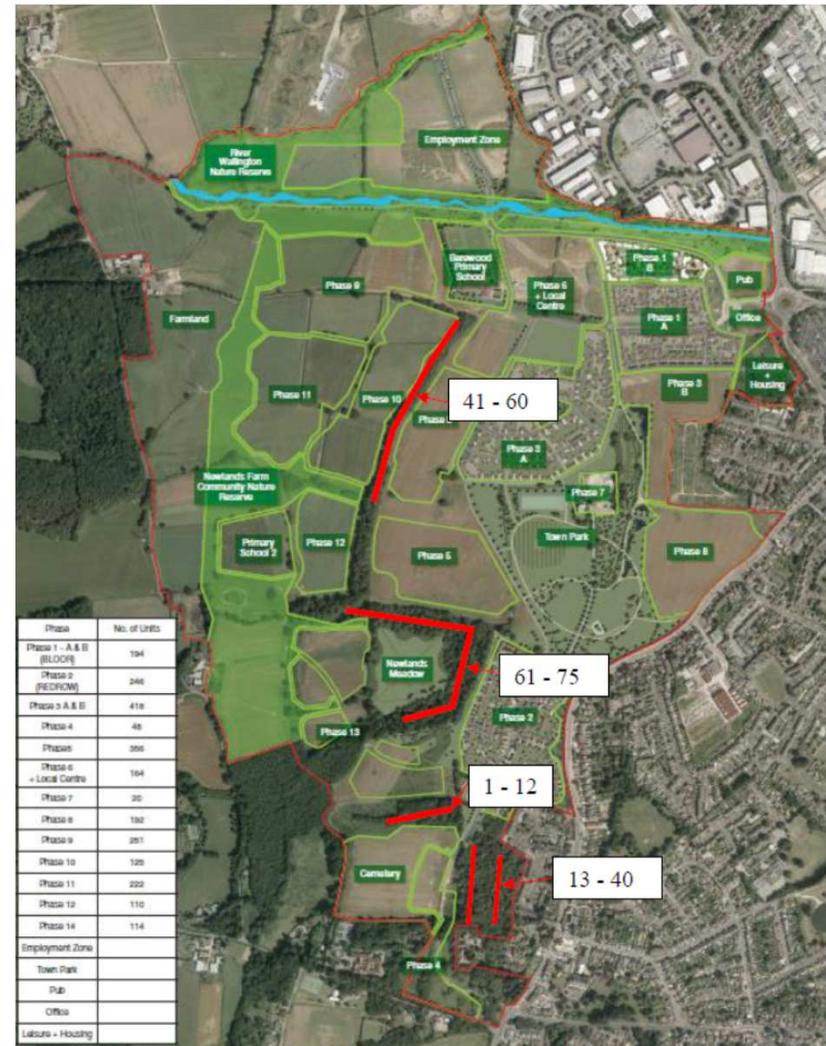
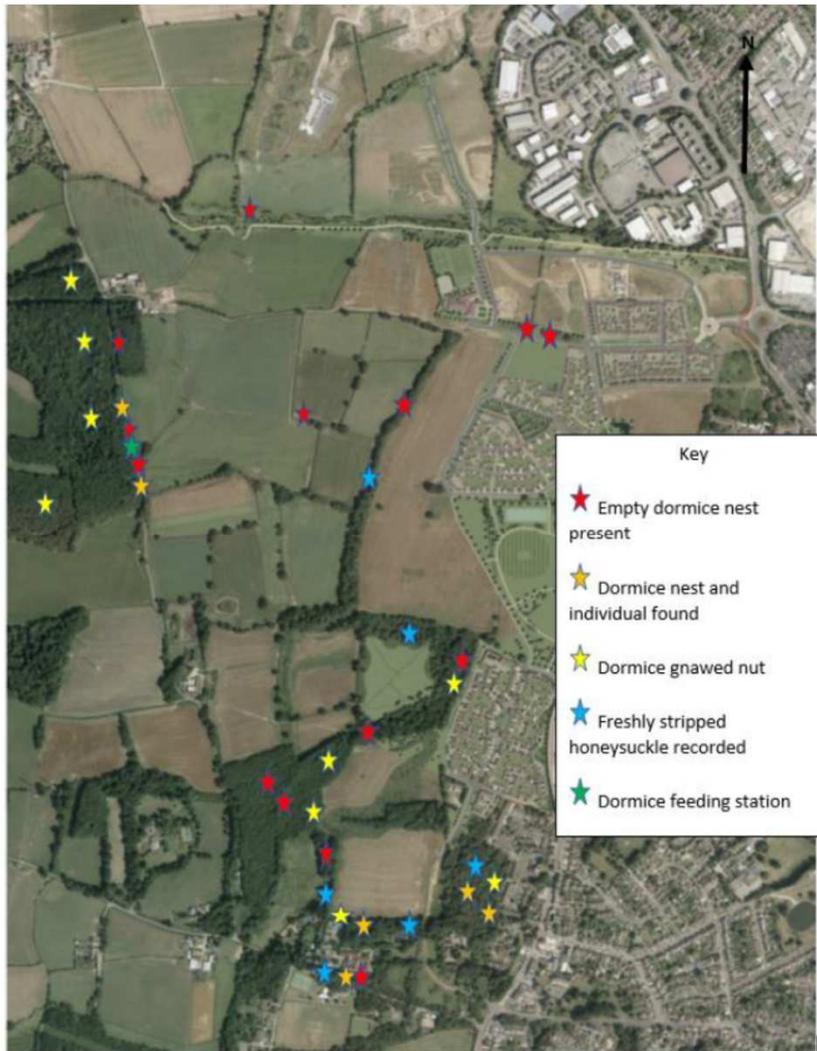
# SUCCESSSES - GCN



- GCN population from low to medium
- Successfully breeding on site



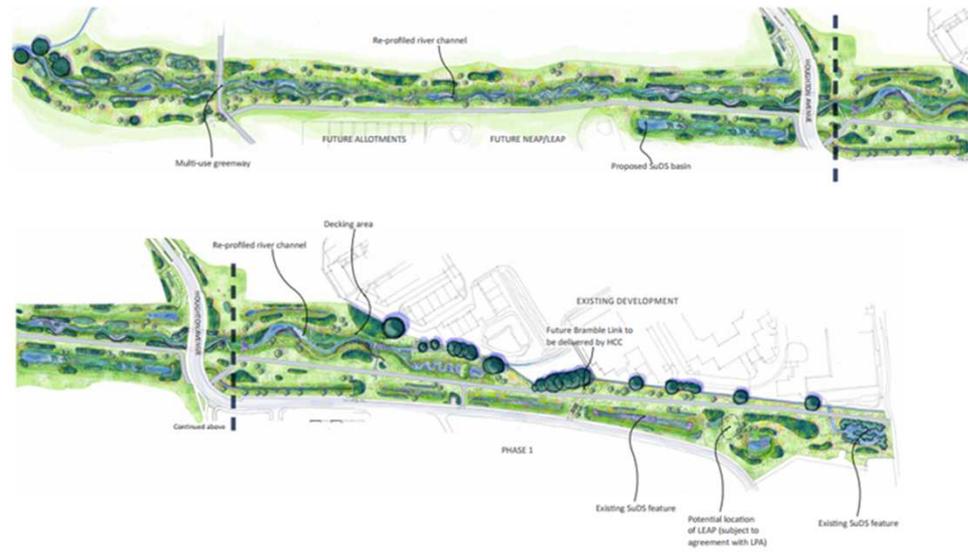
# SUCCESSSES - DORMICE



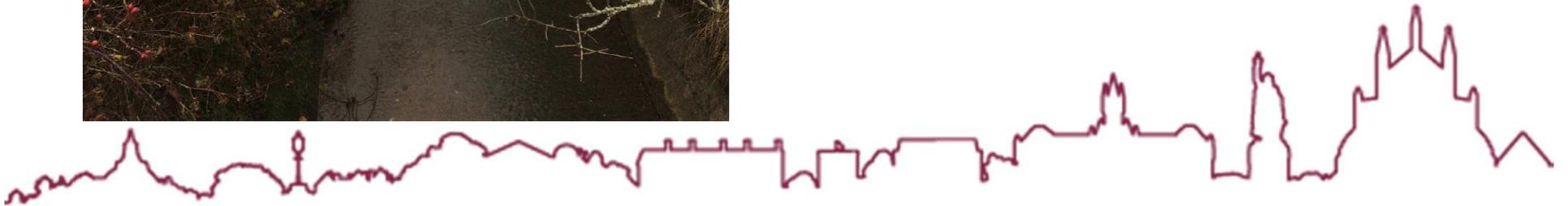
# SUCCESSES – RIVER WALLINGTON



## 3.0 LANDSCAPE MASTERPLAN



Allen Pyle Associates - River Restoration Works, Beerwood - Landscape Design Statement - 2715-RR-OAS-01 7



## FUTURE WORKS

- The Phase 2 River Wallington restoration works are scheduled for the summer 2019.
- There are further ecological surveys commissioned for the next phases of development that will be undertaken this year.
- On-going management of Newlands Meadow to try and reduce the abundance of ruderal vegetation and pernicious weeds this year.
- The relocation of slow worms from Town Park to the edge of Plant Row is scheduled to be undertaken this Spring.



# CONCLUSIONS

- Partnership working and regular liaison between Grainger and WCC has enabled smooth progress.
- Liaison with Natural England has continued momentum – especially with EPSL.
- Challenges in terms of multi-phase development and continuing the masterplan throughout.
- Successes evident (GCN, Dormice, Nature Reserve)



QUESTIONS?

