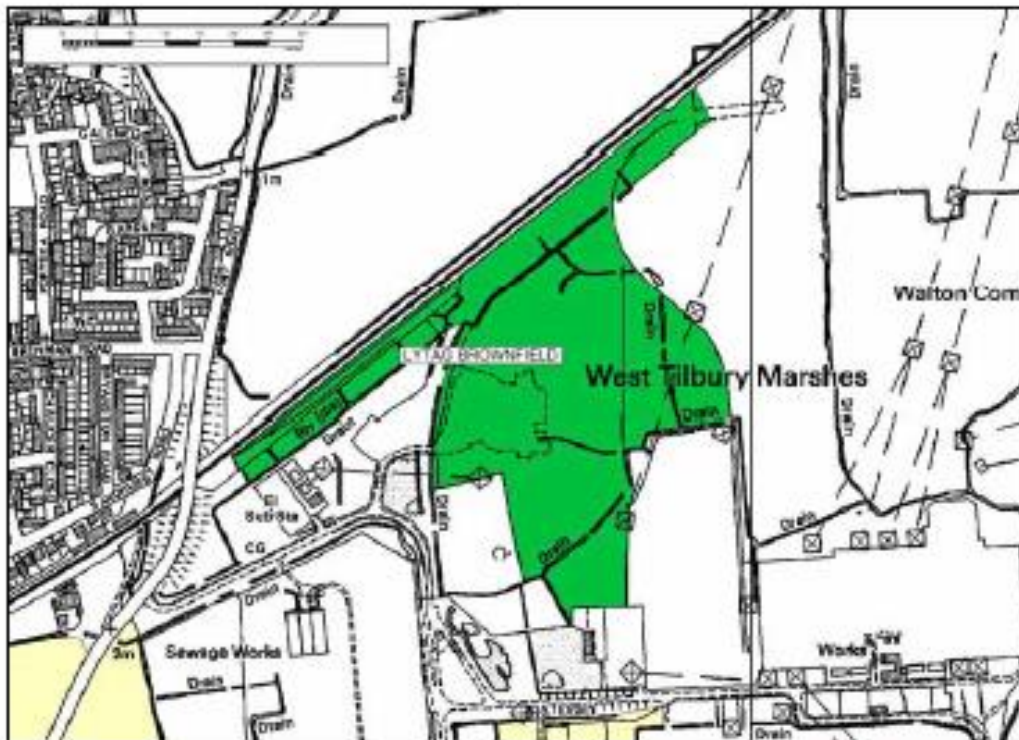


Appendix 1.2.14a



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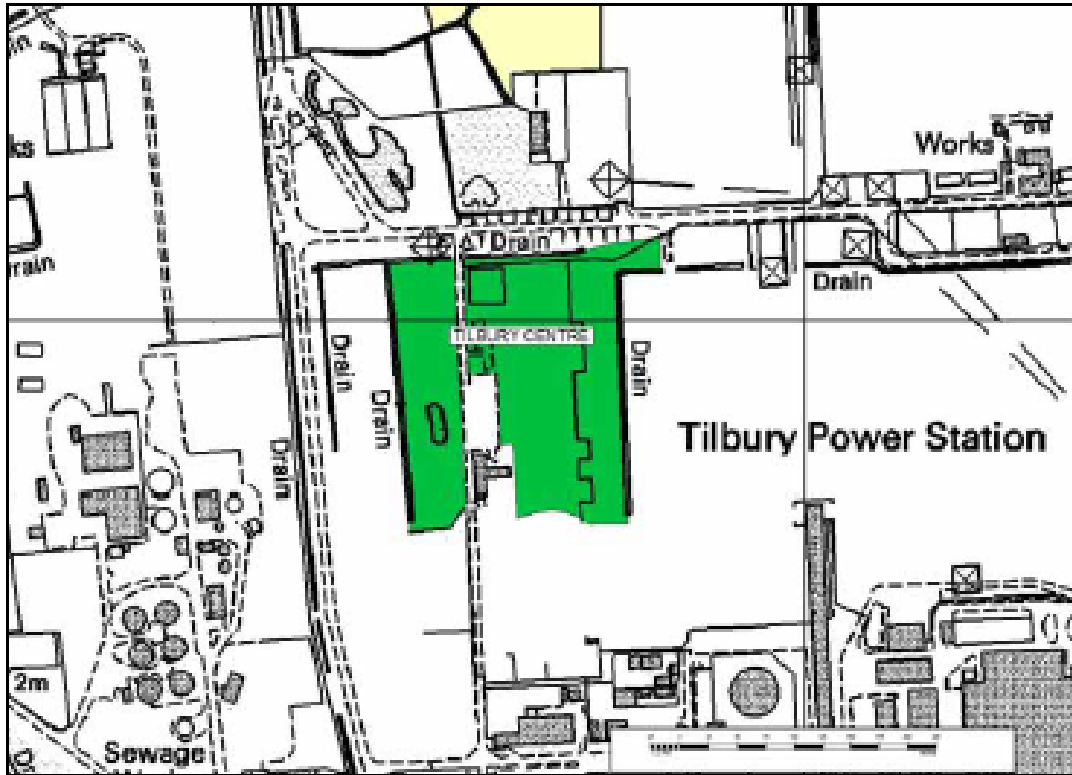
Th39. Lytag Brownfield (12.4 ha) TQ 657764

Survey work by independent ecological consultants has revealed populations of all four Essex reptiles (Adder, Grass Snake, Common Lizard and Slow-worm), making this one of the more important reptile sites in the borough. This reptile interest may spread onto land to the south-west, but survey data is lacking. Their study also reveals an extensive developing acid grassland, which falls within the remit of the Essex heathland BAP project. This acid grassland is believed to be developing on former railway sidings and post-industrial granular waste, both giving rise to freely-draining soils.

Such brownfield sites are also likely to be of interest for their invertebrate populations, but no data is currently available at present. However, given the presence of UK BAP invertebrates on similar habitats around the Energy and Environment Centre (Th40), it is likely that an important fauna will be shown to be present here.

Selection Criteria: HCr19; SCr4

Condition and Proposed Management: It is believed that much of this site is under threat of development. If possible, movement of the proposed buildings onto land of lesser ecological value closer to the power station access road would be a positive contribution to the ecology of this site. The reptile and acid grassland interest needs little other management, other than the long-term management of excessive scrub encroachment.



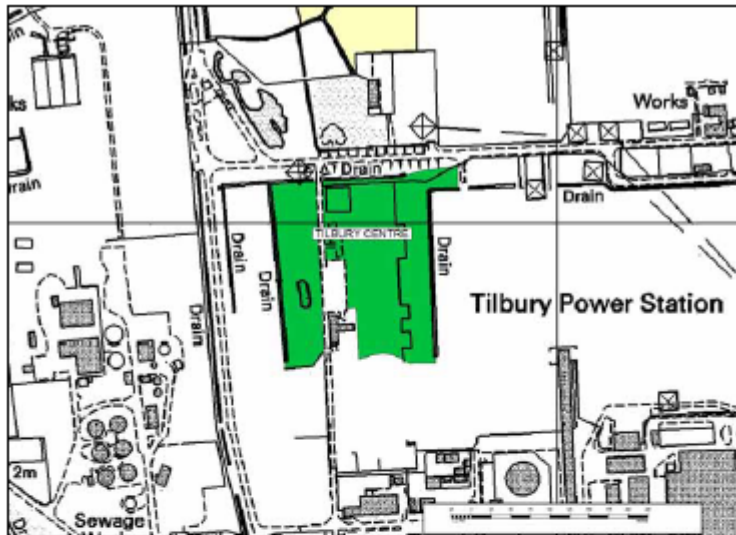
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Tb40. Tilbury Centre (2.8 ha) TQ 658759

This Site comprises the grounds surrounding the Tilbury Energy and Environment centre. The habitats present are a complex mosaic of grassland, flower-rich early successional/pioneer vegetation, ditches, a small reedbed and a pond, notable for its colony of Stonewort (*Chara* sp.) and the nationally rare (Red Data Book) Great Silver Beetle (*Hydrophilus piceus*). The pioneer vegetation includes abundant Bird's-foot Trefoil (*Lotus corniculatus*), on which the national BAP bumblebees *Bombus humilis* forages. Other important invertebrates have also been recorded here.

Selection Criteria: HCr20; HCr22; SCr12

Condition and Proposed Management: The early successional brownfield vegetation needs little in the way of management, beyond occasional disturbance to permit re-colonisation by pioneer plants. The pond and reedbed are maintained via a wind pump to keep the water level high.



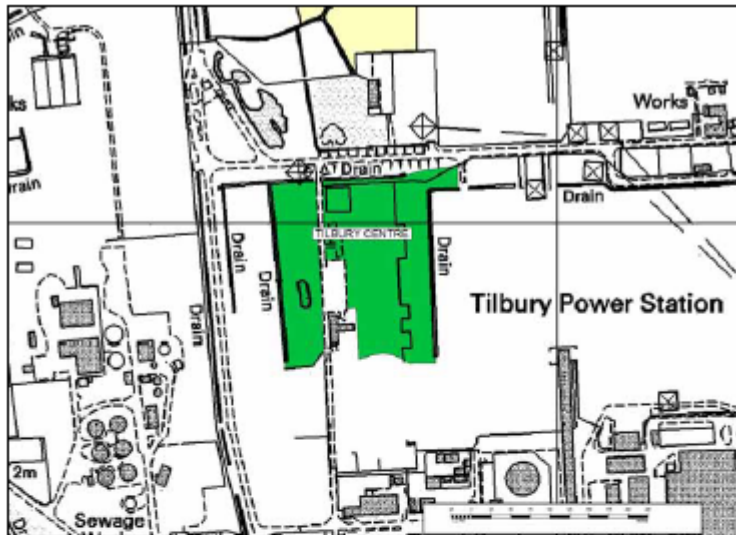
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