

## GEOL\_POTENTIAL

**Description:** Collation of material and fieldwork to identify the possible location of surviving significant Pleistocene sediments.

**Area Covered:** 3D modelling area as defined in PD etc

**Polygon Data:** Individual polygons (from the BGS Artificial Ground Layer) with 10m buffer applied if sediments identified in an extant face or periphery. No buffer applied if sediments located on floor.

Polygons to be viewed by choosing the **Quantities** option –**graduated colours** option on the symbology tab (Properties) and selecting **Total\_score** in the drop down **Value** field (ArcView 8); or

Choosing **Graduated colour** in the drop down menu for **Legend type** and selecting **Total\_score** in the drop down menu in the **Classification field** (ArcView 3)

### Attributes:

Field	Comment	Source Data
Area	Area ID = EX (Essex)	
ALSF_no	Unique numerical project id (per polygon)	Selected_quarries_final_output_export
Includes	Polygon which is part of the same site	As above
Sed_locale	Location of Pleistocene sediments	P.Allen site visit and recording sheet
BufferDist		
Dig_scale	Scale at which the polygons were digitised	BGS Artificial Ground Layer
Curr_stat	Current status of quarry ie. Open, worked, infilled, landscaped	BGS Artificial Ground Layer P.Allen site visit
Access	Accessibility of the surviving sediments of interest	P.Allen site visit and recording sheet
Acc_score	0 - No deposit 1 - Poor: covered by roads or housing; no faces or very inaccessible faces 2 - Moderate; faces with limited potential for cleaning; restricted or difficult top access 3 - Good; direct unrestricted access to face and from above	P.Allen site visit and recording sheet
Strat_1_T	Sediments in order of stratigraphy (top/earliest to oldest Pleistocene sediments)	BGS 1:50000 (1996) maps Other sources (see recording sheets or report)
Strat_2	As above	
Strat_3	As above	
Solid_geol	Solid geology	
Varies_BGS	Whether the on-site recorded sediments vary from the BGS recorded data	P.Allen site visit and recording sheet
Quant_sed	Quantity of Pleistocene sediments present	P.Allen site visit and recording sheet
Qty_score	0 - None/unknown 1 - Small amount 2 - Moderate amount 3 - Abundant sediments	P.Allen site visit and recording sheet

<i>Phys_pot</i>	Potential of sediments (biological environmental information)	P.Allen site visit and recording sheet
<i>PP_score</i>	0 - None 1 - Limited potential for sedimentological information (stone counts, heavy minerals) 2 - Medium potential (some measurable features, e.g. x-beds) 3 - High potential (many measurable features, e.g. x-beds, clast fabrics, deformation structures)	P.Allen site visit and recording sheet
<i>Bioenv_pot</i>	Potential of sediments (biological environmental information)	P.Allen site visit and recording sheet
<i>BP_score</i>	0 - None 1 - Limited potential for bio-environmental information (microfossils e.g. pollen) 2 - Medium potential (e.g. possibility of microvertebrates) 3- High potential (e.g. macrovertebrates, molluscs, beetles, plant macros)	P.Allen site visit and recording sheet
<i>Geol_score</i>	Total score (Acc_score+ qty_score+(PP_score*3) + (bp_score*3))	P.Allen site visit and recording sheet
<i>Sed_Bio_Ar</i>	Sedimentological or biological material archived 0 - None/not known 1 - Yes	P.Allen site visit and recording sheet Pers Comm (D.Shreve-Royal Holloway University)
<i>Geol_info</i>	Quality of geological information 0 - None 1 - Regional information only 2 - Basic site descript. available 3- Detailed descript. available	P.Allen site visit and recording sheet Other sources (see report)
<i>Notes</i>	Any notes/comments (specifically if information varies from BGS)	P.Allen site visit and recording sheet
<i>Date_visit</i>	Date site was visited	P.Allen site visit and recording sheet
<i>Visit_by</i>	Who visited the site	P.Allen site visit and recording sheet

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