**River Tonge**

* The River Tonge is a short [river](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River&rurl=translate.google.nl&usg=ALkJrhhVlNXDxkzEZMTbeybHDqWygujoyA) flowing close to [Bolton](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bolton&rurl=translate.google.nl&usg=ALkJrhhIQmrn-G2FYCLwEFe6-_fTrkPsLA) , in [Greater Manchester](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Greater_Manchester&rurl=translate.google.nl&usg=ALkJrhhcKiL36klj_eXBfCvkOOHspyiP3Q) , [England](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/England&rurl=translate.google.nl&usg=ALkJrhh3lEyubWAREPBjQ2pc3i_vVUMbvg) .De rivier Tonge is een korte [rivier](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River&rurl=translate.google.nl&usg=ALkJrhhVlNXDxkzEZMTbeybHDqWygujoyA) stroomt in de buurt van [Bolton](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bolton&rurl=translate.google.nl&usg=ALkJrhhIQmrn-G2FYCLwEFe6-_fTrkPsLA) , in [Greater Manchester](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Greater_Manchester&rurl=translate.google.nl&usg=ALkJrhhcKiL36klj_eXBfCvkOOHspyiP3Q) , [Engeland](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/England&rurl=translate.google.nl&usg=ALkJrhh3lEyubWAREPBjQ2pc3i_vVUMbvg) .
* The Tonge is formed at the Meeting of the Waters , where [Astley Brook](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Astley_Brook&rurl=translate.google.nl&usg=ALkJrhhro3hyRMyj-OIA-fLz2hOA-NaVqA) , flowing from the [Smithills](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DSmithills%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhh86HW6lFb5YXoO4F00-3uFNmDDGg) area in the west, meets the southerly-flowing [Eagley Brook](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Eagley_Brook&rurl=translate.google.nl&usg=ALkJrhhwdS4fM4Cxvw_nRSN71i-1mvz64w) .De Tonge wordt gevormd bij de Meeting of the Waters, waar [Astley Brook](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Astley_Brook&rurl=translate.google.nl&usg=ALkJrhhro3hyRMyj-OIA-fLz2hOA-NaVqA) , die voortvloeien uit de [Smithills](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DSmithills%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhh86HW6lFb5YXoO4F00-3uFNmDDGg) gebied in het westen, aan de zuidelijke stromende [Eagley Brook](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Eagley_Brook&rurl=translate.google.nl&usg=ALkJrhhwdS4fM4Cxvw_nRSN71i-1mvz64w) . From there, the Tonge flows southwards, to the east of Bolton, past Springfield, where it is joined by [Bradshaw Brook](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bradshaw_Brook&rurl=translate.google.nl&usg=ALkJrhj0w6gRGfrRTD_KlugU2MONmVoryw) , at the end of its route from the Jumbles and Wayoh reservoirs, close to Tonge Fold.
* Van daaruit stroomt het Tonge zuiden, ten oosten van Bolton, verleden Springfield, waar hij wordt vergezeld door [Bradshaw Brook](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bradshaw_Brook&rurl=translate.google.nl&usg=ALkJrhj0w6gRGfrRTD_KlugU2MONmVoryw) , aan het einde van de route van de afgedankte spullen en Wayoh reservoirs, dicht bij Tonge Fold. The Tonge joins the [River Croal](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Croal&rurl=translate.google.nl&usg=ALkJrhjFSXBm4i8vY9vmXuwhVZo7wbGssA) at Darcy Lever, shortly before the Croal's confluence with the [River Irwell](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Irwell&rurl=translate.google.nl&usg=ALkJrhhiF5YBXKiRiopJGZjy867NVCirtg) .
* De Tonge voegt zich bij de [rivier Croal](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Croal&rurl=translate.google.nl&usg=ALkJrhjFSXBm4i8vY9vmXuwhVZo7wbGssA) op Darcy Lever, kort voordat Croal's samenvloeiing van de met de [rivier Irwell](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Irwell&rurl=translate.google.nl&usg=ALkJrhhiF5YBXKiRiopJGZjy867NVCirtg) .
* Tonge Bridge section is a part of the river north of Tonge Bridge designated as a [site of special scientific interest](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Site_of_special_scientific_interest&rurl=translate.google.nl&usg=ALkJrhhvLBQ_hX_H6JhWgAY6DsjDn8WRIw) (SSSI). [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Tonge&rurl=translate.google.nl&usg=ALkJrhgoCLZx1y1PSmvLVnhbVTQgCFpiEA#cite_note-citation_sheet-0) [[ 2 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Tonge&rurl=translate.google.nl&usg=ALkJrhgoCLZx1y1PSmvLVnhbVTQgCFpiEA#cite_note-1) The site is 0.7 hectares (1.8 acres) and comprises the steep west bank of the river.Tonge Bridge is een deel van de rivier ten noorden van Tonge Bridge aangewezen als een [site van bijzonder wetenschappelijk belang](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Site_of_special_scientific_interest&rurl=translate.google.nl&usg=ALkJrhhvLBQ_hX_H6JhWgAY6DsjDn8WRIw) (inter).
* De site is 0,7 hectare (1,8 hectare) en omvat de steile westelijke oever van de rivier. It was designated an SSSI 1987 for its geological interest, principally the fluvial [sandstone](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sandstone&rurl=translate.google.nl&usg=ALkJrhgzbCv5CjN57T9Np09yKD85p0FYuQ) which has yielded [pteridosperm](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Pteridosperm&rurl=translate.google.nl&usg=ALkJrhgMGta-ntr3jqbriWXYsjyOGz7Jow) seeds, known as [Trigonocarpus](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DTrigonocarpus%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhirg0QMw14vf-2P8okGLfY5d1HFnA) . Het was aangewezen als SSSI 1987 voor het geologisch belang, voornamelijk de rivierdynamiek [zandsteen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sandstone&rurl=translate.google.nl&usg=ALkJrhgzbCv5CjN57T9Np09yKD85p0FYuQ), die heeft geleid [pteridosperm](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Pteridosperm&rurl=translate.google.nl&usg=ALkJrhgMGta-ntr3jqbriWXYsjyOGz7Jow) zaden, beter bekend als [Trigonocarpus](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DTrigonocarpus%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhirg0QMw14vf-2P8okGLfY5d1HFnA) . The well preserved nature of the seeds make it of considerable sedimentological and palaeogeographic interest. [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Tonge&rurl=translate.google.nl&usg=ALkJrhgoCLZx1y1PSmvLVnhbVTQgCFpiEA#cite_note-citation_sheet-0) It is one of only seven geological [SSSIs in Greater Manchester](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/List_of_Sites_of_Special_Scientific_Interest_in_Greater_Manchester&rurl=translate.google.nl&usg=ALkJrhjzTlROkdB-eaejFow4h7su4EMX5Q) .
* Het goed bewaarde aard van de zaden maken het van groot sedimentologische en paleogeografische rente.
* Het is een van slechts zeven geologische [SSSI in Greater Manchester](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/List_of_Sites_of_Special_Scientific_Interest_in_Greater_Manchester&rurl=translate.google.nl&usg=ALkJrhjzTlROkdB-eaejFow4h7su4EMX5Q).