**Bourne Eau**



*The pumping station at Tongue End, which replaced the former sluice between Bourne Eau and the River Glen.Het pompstation in Tongue End, die de vroegere sluis tussen Bourne en de rivier de Eau Glen vervangen.*

Bourne Eau is a short river which rises in the town of [Bourne](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiECbg1af4w8IbS2hDnBGe92Yc64A) in [Lincolnshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Lincolnshire&rurl=translate.google.nl&usg=ALkJrhhZ3VWi6rrctHCkuUisee112m14Pg) , [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) , and flows in an easterly direction to join the [River Glen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Glen,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiYpRtQccEfYVYhQyOu-mSSnfbHeg) at [Tongue End](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Tongue_End&rurl=translate.google.nl&usg=ALkJrhgceBGGi_2kdkUh2Y6e6pIxuV-tyg) .

* Bourne Eau is een korte rivier die ontspringt in van de stad [Bourne](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiECbg1af4w8IbS2hDnBGe92Yc64A) in [Lincolnshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Lincolnshire&rurl=translate.google.nl&usg=ALkJrhhZ3VWi6rrctHCkuUisee112m14Pg) , [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) , en stroomt in oostelijke richting tot de join [River Glen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Glen,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiYpRtQccEfYVYhQyOu-mSSnfbHeg) op [Tongue End](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Tongue_End&rurl=translate.google.nl&usg=ALkJrhgceBGGi_2kdkUh2Y6e6pIxuV-tyg) . It is an embanked river, as its normal level is higher than that of the surrounding Fens.
* Het is een ingedijkt rivier, zoals het normale niveau is hoger dan die van de omringende Venen. It was navigable in the 18th and 19th century, but now forms an important part of the drainage system that enables the surrounding fen land to be used for agriculture.
* Het was bevaarbare in de 18de en 19de eeuw, maar nu vormt een belangrijk onderdeel van de drainage systeem dat de omliggende moeras land kan worden gebruikt voor de landbouw.

**[** [**edit**](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DBourne_Eau%26action%3Dedit%26section%3D1&rurl=translate.google.nl&usg=ALkJrhhiiYl-gGgXcb9dHPZTQV0iEV_Oxg) **] Course**

*Bourne Eau outside the Abbey Church at Bourne.Bourne Eau buiten de Abdij Kerk in Bourne. The iron bridge is dated 1832.*

*De ijzeren brug is gedateerd 1832.*

* Bourne Eau rises in [The Wellhead](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://rhaworth.com/os/coor_g.php%3Fpagename%3DBourne_Eau%26params%3DTF093199_region:GB_scale:25000&rurl=translate.google.nl&usg=ALkJrhia80S6Nm5uuw0kecjWBLULE4O1Ig) , otherwise known as St Peter's Pool, in [Bourne, Lincolnshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiECbg1af4w8IbS2hDnBGe92Yc64A) . [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne_Eau&rurl=translate.google.nl&usg=ALkJrhjiVBJTTvWzYgsVYVf6-7mJlIqycQ#cite_note-eawa-0) The Wellhead is a natural [artesian](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Artesian&rurl=translate.google.nl&usg=ALkJrhiNSLhTP4oNI7jcT4vuu6s8e67PEg) spring which once formed the source of the water defences of Bourne Castle as well as the power for the town's three [mills](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Watermill&rurl=translate.google.nl&usg=ALkJrhgmMcEljHL_KqBDo0F4mQU7mZFDEA) . [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne_Eau&rurl=translate.google.nl&usg=ALkJrhjiVBJTTvWzYgsVYVf6-7mJlIqycQ#cite_note-eawa-0) On entering Bourne North Fen it follows an artificial course which it was given, probably, in the first half of the thirteenth century when the south Lincolnshire Fens ceased to be a [Royal forest](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Royal_forest&rurl=translate.google.nl&usg=ALkJrhjemqO1Hap8yb1DERKwzhzg7JOf2Q) .Bourne Eau stijgt in [de putrand](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://rhaworth.com/os/coor_g.php%3Fpagename%3DBourne_Eau%26params%3DTF093199_region:GB_scale:25000&rurl=translate.google.nl&usg=ALkJrhia80S6Nm5uuw0kecjWBLULE4O1Ig) , ook wel bekend als St. Peter's Pool, in [Bourne, Lincolnshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiECbg1af4w8IbS2hDnBGe92Yc64A).
* De putrand is een natuurlijke [artesische](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Artesian&rurl=translate.google.nl&usg=ALkJrhiNSLhTP4oNI7jcT4vuu6s8e67PEg) bron die vormde ooit de bron van de waterkeringen van Bourne Kasteel alsmede de bevoegdheid van de stad drie [molens](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Watermill&rurl=translate.google.nl&usg=ALkJrhgmMcEljHL_KqBDo0F4mQU7mZFDEA).
* Bij het betreden van Bourne Noord-Fen volgt een kunstmatige koers die zij is gegeven, waarschijnlijk in de eerste helft van de dertiende eeuw, toen het zuiden van Lincolnshire Venen worden gestaakt om een [koninklijk bos](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Royal_forest&rurl=translate.google.nl&usg=ALkJrhjemqO1Hap8yb1DERKwzhzg7JOf2Q) . Hitherto, it had flowed (latterly rather badly) in the channel known as the Old Ea which was of [Roman](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Roman_Britain&rurl=translate.google.nl&usg=ALkJrhgWShwH8KKE8bEVz-GBdpdUSfMibg) date, most likely second century.
* Tot nu toe, het had gestroomd (de laatste tijd vrij slecht) in het kanaal bekend als de oude EA en dat was van [Romeinse](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Roman_Britain&rurl=translate.google.nl&usg=ALkJrhgWShwH8KKE8bEVz-GBdpdUSfMibg) datum, waarschijnlijk tweede eeuw. The present course enters the [River Glen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Glen,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiYpRtQccEfYVYhQyOu-mSSnfbHeg) at [Tongue End](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://rhaworth.com/os/coor_g.php%3Fpagename%3DBourne_Eau%26params%3DTF155187_region:GB_scale:25000&rurl=translate.google.nl&usg=ALkJrhim1ht0tYlWmx6hxnAz2XGRZHmRBA) , a name which derives from the low tongue of land within the enclosing banks of the rivers.
* De huidige koers komt de [rivier de Glen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Glen,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiYpRtQccEfYVYhQyOu-mSSnfbHeg) op [Tongue End](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://rhaworth.com/os/coor_g.php%3Fpagename%3DBourne_Eau%26params%3DTF155187_region:GB_scale:25000&rurl=translate.google.nl&usg=ALkJrhim1ht0tYlWmx6hxnAz2XGRZHmRBA) , een naam die het land vloeit voort uit de lage tong van binnen de omhullende oevers van de rivieren.
* Apart from the spring, most of the [water](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Water&rurl=translate.google.nl&usg=ALkJrhgUqPexIhTFt6W9nCSDER1wjK3Z1g) of the [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) is collected by the [Car Dyke](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Car_Dyke&rurl=translate.google.nl&usg=ALkJrhgO_ZsW7ycGmGf4k-f_QLRgZdyUaQ) , which, near Bourne, is arranged to act as a [catchwater drain](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Catchwater_drain&rurl=translate.google.nl&usg=ALkJrhhGSzfUxJ8Es9FMJEuZQbIsUBQyTQ) , gathering the surface water of the upland and feeding it via the Bourne Eau and River Glen to the [sea](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sea&rurl=translate.google.nl&usg=ALkJrhjrToV3BtEdrt0MnRGLa4338thUAw) , without its entering [The Fens](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/The_Fens&rurl=translate.google.nl&usg=ALkJrhibm1Sa05h7_5FFeRU2FGMN96Ewww) .Afgezien van het voorjaar, de meeste [water](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Water&rurl=translate.google.nl&usg=ALkJrhgUqPexIhTFt6W9nCSDER1wjK3Z1g) van de [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) wordt geïnd door de [auto Dyke](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Car_Dyke&rurl=translate.google.nl&usg=ALkJrhgO_ZsW7ycGmGf4k-f_QLRgZdyUaQ) , die in de buurt van Bourne, is ingericht om op te treden als een [catchwater drain](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Catchwater_drain&rurl=translate.google.nl&usg=ALkJrhhGSzfUxJ8Es9FMJEuZQbIsUBQyTQ) , het verzamelen van het oppervlaktewater van het hoogland en voeden via de Bourne Eau en de rivier de Glen aan de [zee](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sea&rurl=translate.google.nl&usg=ALkJrhjrToV3BtEdrt0MnRGLa4338thUAw), zonder het invoeren van [De Venen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/The_Fens&rurl=translate.google.nl&usg=ALkJrhibm1Sa05h7_5FFeRU2FGMN96Ewww) .

**[** [**edit**](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DBourne_Eau%26action%3Dedit%26section%3D2&rurl=translate.google.nl&usg=ALkJrhieU2UknWFNlCEguxwuyAsgNZiOBw) **] History**

**Geschiedenis**

*The location of the terminus of the Bourne Eau Navigation at BourneDe locatie van het eindpunt van de Bourne Eau navigatie op Bourne*

From 1765, the north bank of the river was the responsibility of the Black Sluice Commissioners, a body which had been created by an [Act of Parliament](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Act_of_Parliament&rurl=translate.google.nl&usg=ALkJrhj2psdQxjsEld1co93fvJIXZ8EfUw) , to construct the Black Sluice where the [South Forty-Foot Drain](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/South_Forty-Foot_Drain&rurl=translate.google.nl&usg=ALkJrhgLUC2Dw39LqKuZQjp0_AiG7tByZw) entered [The Haven](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/The_Haven,_Boston&rurl=translate.google.nl&usg=ALkJrhiBHrQYrvxMH2wISNFHk2G3i_m3Nw) at [Boston](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Boston,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiT84sd-nTT92dhG2vvqnk4-t4_5g) , and to supervise the drainage of the Fens feeding that system.

* Van 1765, de noordelijke oever van de rivier was de verantwoordelijkheid van de Zwarte Sluis commissarissen, een organisatie die was ontstaan door een [wet van het Parlement](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Act_of_Parliament&rurl=translate.google.nl&usg=ALkJrhj2psdQxjsEld1co93fvJIXZ8EfUw) , om de bouw van de Zwarte Sluis, waar [Zuid-Forty Foot Drain](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/South_Forty-Foot_Drain&rurl=translate.google.nl&usg=ALkJrhgLUC2Dw39LqKuZQjp0_AiG7tByZw) getreden [De Haven](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/The_Haven,_Boston&rurl=translate.google.nl&usg=ALkJrhiBHrQYrvxMH2wISNFHk2G3i_m3Nw) in [Boston](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Boston,_Lincolnshire&rurl=translate.google.nl&usg=ALkJrhiT84sd-nTT92dhG2vvqnk4-t4_5g) , en toezicht op de afwatering van de Venen voeden dat systeem. The north bank was a serious problem, as it was built on a peat subsoil, and defied attempts to raise it, with the result that the Bourne Fens often flooded. [[ 2 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne_Eau&rurl=translate.google.nl&usg=ALkJrhjiVBJTTvWzYgsVYVf6-7mJlIqycQ#cite_note-bsidb-1) Improvements to the 3.5 miles (5.6 km) of river from the River Glen junction to the town of Bourne were authorised by an act of Parliament obtained on 29 March 1781, which suggested that the river had previously been navigable, but had become choked with mud.
* De noordelijke oever werd een ernstig probleem, want het was gebouwd op een ondergrond van veen, en trotseerde pogingen om de orde te stellen, met als gevolg dat de Bourne Venen vaak overstroomd.
* Verbeteringen aan het 3,5 mijl (5,6 km) van de rivier van de Glen River Junction naar de stad van Bourne werden goedgekeurd door een besluit van het Europees Parlement verkregen op 29 maart 1781, waarin werd voorgesteld dat de rivier bevaarbaar eerder geweest, maar was geworden verslikte met modder. The act created a body of 12 trustees, who were empowered to maintain a channel which was 30 feet (9.1 m) wide by 5 feet (1.5 m) deep. [[ 3 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne_Eau&rurl=translate.google.nl&usg=ALkJrhjiVBJTTvWzYgsVYVf6-7mJlIqycQ#cite_note-2) The navigation included two locks, one near the junction with the Glen, and the other near Bourne. [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne_Eau&rurl=translate.google.nl&usg=ALkJrhjiVBJTTvWzYgsVYVf6-7mJlIqycQ#cite_note-eawa-0)
* De daad een lichaam van 12 trustees, die bevoegd waren. Handhaven van een kanaal dat is 30 feet (9,1 meter) breed en 5 voet (1,5 m) diepe.
* De navigatie bestond uit twee sluizen, een in de buurt van de kruising met de Glen , en de andere in de buurt van Bourne.
* In order to ease the problems caused by the north bank, the Black Sluice Commissioners negotiated with the Trustees to allow them to build a set of flood gates at Tongue End, where the river joined the Glen, and an overfall weir, which allowed surplus water to flow over the bank and into the Weir Dyke in Bourne Fen. [[ 2 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne_Eau&rurl=translate.google.nl&usg=ALkJrhjiVBJTTvWzYgsVYVf6-7mJlIqycQ#cite_note-bsidb-1) The self-acting doors were replaced by a sluice in the 1860s, which effectively brought navigation to an end, [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne_Eau&rurl=translate.google.nl&usg=ALkJrhjiVBJTTvWzYgsVYVf6-7mJlIqycQ#cite_note-eawa-0) and the sluice was replaced by a pumping station in 1966, which removed the need for the overfall weir. [[ 2 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bourne_Eau&rurl=translate.google.nl&usg=ALkJrhjiVBJTTvWzYgsVYVf6-7mJlIqycQ#cite_note-bsidb-1)Om de problemen die worden veroorzaakt door de Noord-bank vergemakkelijken, de Zwarte Sluis commissarissen onderhandeld met de Trustees zodat zij een reeks van overstromingsrisico poorten te bouwen in Tongue einde, waar de rivier lid geworden van de Glen, en een overstort stuw, die het overtollige water toegestaan te stromen over de bank en in de Weir Dyke in Bourne Fen.
* De self-acting deuren werden vervangen door een sluis in de jaren 1860, die in feite navigatie beëindigd, en de sluis werd vervangen door een pompende het station in 1966, die stuw verwijderd van de noodzaak van de overstort.