**River Irthing**

* The River Irthing is a [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) in [Cumbria](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cumbria&rurl=translate.google.nl&usg=ALkJrhgkXemnJ9KuEGVA8mKew3Zr-UQAnQ) , [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 a major [tributary](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Tributary&rurl=translate.google.nl&usg=ALkJrhjDduLPAWY7FIuJzFz8nxV_abVU-Q) of the River Eden.De rivier Irthing is een [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) in [Cumbria](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cumbria&rurl=translate.google.nl&usg=ALkJrhgkXemnJ9KuEGVA8mKew3Zr-UQAnQ) , [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 een belangrijke [zijrivier](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Tributary&rurl=translate.google.nl&usg=ALkJrhjDduLPAWY7FIuJzFz8nxV_abVU-Q) van de rivier Eden.
* Rising in the hills around [Paddaburn Moor](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DPaddaburn_Moor%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhj2gtNVcgK-C31h1ameZuJDtVaQkQ) in Border Forest Park, for the first 15 miles of its journey south it defines the border between [Northumberland](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Northumberland&rurl=translate.google.nl&usg=ALkJrhgulpgHJgyu_ptKP6w8PHYse1L7cg) and [Cumbria](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cumbria&rurl=translate.google.nl&usg=ALkJrhgkXemnJ9KuEGVA8mKew3Zr-UQAnQ) . [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Irthing&rurl=translate.google.nl&usg=ALkJrhh4w5wHbxf0wbL2lp6F-eg2uX8Isw#cite_note-0) After passing [Butterburn Flow](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DButterburn_Flow%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhgLqCH646_MHTKenSIQO4CFiT-wsg) [raised bog](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bog&rurl=translate.google.nl&usg=ALkJrhhRLfOzn4zJ_gIyxM7zK5KrXhVibA#Raised_bog) , the river flows over the ten-metre high [Crammel Linn](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DCrammel_Linn%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhjFXREO9_2JN0wnnJ0tZEjbNdfdaw) [waterfall](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Waterfall&rurl=translate.google.nl&usg=ALkJrhjQVYkYO8-as4P1_zf4TiFk1Um6hg) in a [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) gorge. [[ 2 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Irthing&rurl=translate.google.nl&usg=ALkJrhh4w5wHbxf0wbL2lp6F-eg2uX8Isw#cite_note-1) At [Gilsland Spa](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Gilsland_Spa&rurl=translate.google.nl&usg=ALkJrhipElFZ48gwEAFmZ8Lf_-VoeJneIQ) , a [sulphurous](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sulfur&rurl=translate.google.nl&usg=ALkJrhi78aNWGe_EeTbD3NHML1FGW4zEAg) spring oozes out of the [gorge](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Gorge&rurl=translate.google.nl&usg=ALkJrhjmvf5kWVlsR_X_oSPAgrKmOx30tw) walls. [Chalybeate](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Chalybeate&rurl=translate.google.nl&usg=ALkJrhjljkhBiiOWLc1Cy1lJ66OoWNjxug) and [petrifying](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DPetrifying%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhhJkrowkpTQuxq9Jz3v0rQwUP9vtQ) springs are also characteristic of the local [geology](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Geology&rurl=translate.google.nl&usg=ALkJrhidrs9FsmAoZG1yz7ml_QlMkd-zHQ) and are found on the Irthing's banks.Ontspringt in de heuvels rond [Paddaburn Moor](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DPaddaburn_Moor%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhj2gtNVcgK-C31h1ameZuJDtVaQkQ) bij Border Forest Park, gedurende de eerste 15 mijl van zijn tocht naar het zuiden het definieert de grens tussen [Northumberland](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Northumberland&rurl=translate.google.nl&usg=ALkJrhgulpgHJgyu_ptKP6w8PHYse1L7cg) en [Cumbria](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cumbria&rurl=translate.google.nl&usg=ALkJrhgkXemnJ9KuEGVA8mKew3Zr-UQAnQ).
* Na het passeren van [Butterburn Flow](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DButterburn_Flow%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhgLqCH646_MHTKenSIQO4CFiT-wsg) [Bog opgeworpen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Bog&rurl=translate.google.nl&usg=ALkJrhhRLfOzn4zJ_gIyxM7zK5KrXhVibA#Raised_bog) , de rivier stroomt over de tien meter hoge [Crammel Linn](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DCrammel_Linn%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhjFXREO9_2JN0wnnJ0tZEjbNdfdaw) [waterval](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Waterfall&rurl=translate.google.nl&usg=ALkJrhjQVYkYO8-as4P1_zf4TiFk1Um6hg) in een [zandstenen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sandstone&rurl=translate.google.nl&usg=ALkJrhgzbCv5CjN57T9Np09yKD85p0FYuQ) kloof.
* Op [Gilsland Spa](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Gilsland_Spa&rurl=translate.google.nl&usg=ALkJrhipElFZ48gwEAFmZ8Lf_-VoeJneIQ) , een [zwavelhoudende](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sulfur&rurl=translate.google.nl&usg=ALkJrhi78aNWGe_EeTbD3NHML1FGW4zEAg) bron sijpelt uit de [kloof](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Gorge&rurl=translate.google.nl&usg=ALkJrhjmvf5kWVlsR_X_oSPAgrKmOx30tw) muren. [ijzerhoudend](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Chalybeate&rurl=translate.google.nl&usg=ALkJrhjljkhBiiOWLc1Cy1lJ66OoWNjxug) en [verstenende](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DPetrifying%26action%3Dedit%26redlink%3D1&rurl=translate.google.nl&usg=ALkJrhhJkrowkpTQuxq9Jz3v0rQwUP9vtQ) veren zijn ook kenmerkend voor de lokale [geologie](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Geology&rurl=translate.google.nl&usg=ALkJrhidrs9FsmAoZG1yz7ml_QlMkd-zHQ) en zijn te vinden op de Irthing banken.
* The River Irthing marked a significant transition in construction of [Hadrian's Wall](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Hadrian's_Wall&rurl=translate.google.nl&usg=ALkJrhjt8ECn7PGZtMN6Idxhmmr1mq3aMQ) , between the limestone to the east and sandstone to the west. [Hadrian's Wall](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Hadrian's_Wall&rurl=translate.google.nl&usg=ALkJrhjt8ECn7PGZtMN6Idxhmmr1mq3aMQ) crossed the river on a bridge at Willowford, east of [Birdoswald Roman Fort](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Banna_(Birdoswald)&rurl=translate.google.nl&usg=ALkJrhjX7rODPnDO0eHM2WEV9WcoAQ0JKg) .De rivier Irthing betekende een belangrijke overgang in de bouw van [Hadrian's Wall](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Hadrian's_Wall&rurl=translate.google.nl&usg=ALkJrhjt8ECn7PGZtMN6Idxhmmr1mq3aMQ) , tussen de kalksteen in het oosten en zandsteen in het westen. [Hadrian's Wall](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Hadrian's_Wall&rurl=translate.google.nl&usg=ALkJrhjt8ECn7PGZtMN6Idxhmmr1mq3aMQ) stak de rivier over een brug op Willowford, ten oosten van [Birdoswald Roman Fort](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Banna_(Birdoswald)&rurl=translate.google.nl&usg=ALkJrhjX7rODPnDO0eHM2WEV9WcoAQ0JKg). The fort is situated above a steep gorge carved by the river from the deep [glacial till](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Glacial_till&rurl=translate.google.nl&usg=ALkJrhhDslrzRLLhfeZxm20vOm-W72gBaw) overlying the area.
* Het fort is gelegen boven een steile kloof uitgesleten door de rivier uit de diepe [glaciale tot](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Glacial_till&rurl=translate.google.nl&usg=ALkJrhhDslrzRLLhfeZxm20vOm-W72gBaw) bovenop de omgeving. From that point its course as it turns west is lined with other Roman sites associated with the Roman [Stanegate](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Stanegate&rurl=translate.google.nl&usg=ALkJrhhLB7upK6_rQ3h3qubCQb4vBEnJXg) road and Hadrian's Wall,
* Vanaf dat moment zijn loop zo blijkt westen is bekleed met andere Romeinse sites in verband met de Romeinse [Stanegate](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Stanegate&rurl=translate.google.nl&usg=ALkJrhhLB7upK6_rQ3h3qubCQb4vBEnJXg) weg en Hadrian’s Wall.
* Passing [Brampton](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Brampton,_Carlisle,_Cumbria&rurl=translate.google.nl&usg=ALkJrhjqooEpiJbsmmjDQXDXnvHY4x3C8w) it merges with the [River Gelt](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Gelt&rurl=translate.google.nl&usg=ALkJrhjw_tKtg914X7PWx3KFuXtq4hnyQA) , and soon after meets the [River Eden](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Eden,_Cumbria&rurl=translate.google.nl&usg=ALkJrhixOkehOal6N-UsKv1eeps1pv2jUw) near [Warwick Bridge](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Warwick_Bridge&rurl=translate.google.nl&usg=ALkJrhhE-rTcukAmOMGKqK-C4WdBI-KZDQ) , just north of [Wetheral](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Wetheral&rurl=translate.google.nl&usg=ALkJrhjTDSMK9eKInaVROnALb_1Ii23BXg) .Passing [Brampton](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Brampton,_Carlisle,_Cumbria&rurl=translate.google.nl&usg=ALkJrhjqooEpiJbsmmjDQXDXnvHY4x3C8w) zij samenvloeit met de [rivier de Gelt](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Gelt&rurl=translate.google.nl&usg=ALkJrhjw_tKtg914X7PWx3KFuXtq4hnyQA), en spoedig daarna voldoet aan de [rivier de Eden](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Eden,_Cumbria&rurl=translate.google.nl&usg=ALkJrhixOkehOal6N-UsKv1eeps1pv2jUw) in de buurt van [Warwick Bridge](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Warwick_Bridge&rurl=translate.google.nl&usg=ALkJrhhE-rTcukAmOMGKqK-C4WdBI-KZDQ), net ten noorden van [Wetheral](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Wetheral&rurl=translate.google.nl&usg=ALkJrhjTDSMK9eKInaVROnALb_1Ii23BXg) .