**River Etherow**

* The River Etherow 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 the north west of [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 [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 Goyt](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Goyt&rurl=translate.google.nl&usg=ALkJrhhMFlpjLmAbgicsFgsbOoYnZXNiCg) .De rivier Etherow 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 het noordwesten van [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 [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 Goyt](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Goyt&rurl=translate.google.nl&usg=ALkJrhhMFlpjLmAbgicsFgsbOoYnZXNiCg) . It formed the boundary between the traditional counties of [Cheshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cheshire&rurl=translate.google.nl&usg=ALkJrhjuRycIrN7K9c4vK99NxtdeRn8_KQ) and [Derbyshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Derbyshire&rurl=translate.google.nl&usg=ALkJrhh6_8he2P-oTMknrjEs5fOhN-bE-w) .
* Het vormde de grens tussen de traditionele graafschappen [Cheshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cheshire&rurl=translate.google.nl&usg=ALkJrhjuRycIrN7K9c4vK99NxtdeRn8_KQ) en [Derbyshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Derbyshire&rurl=translate.google.nl&usg=ALkJrhh6_8he2P-oTMknrjEs5fOhN-bE-w) . The upper valley is known as [Longdendale](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Longdendale&rurl=translate.google.nl&usg=ALkJrhg1p8Wc6ClFjTrv8DDh05WByKrwZg) .
* De bovenste vallei staat bekend als [Longdendale](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Longdendale&rurl=translate.google.nl&usg=ALkJrhg1p8Wc6ClFjTrv8DDh05WByKrwZg) . The river has a watershed of approximately 30 square miles (78 km 2 ), and the area an annual rainfall of 52.5 inches (1,330 mm).
* De rivier heeft een stroomgebied van ongeveer 30 vierkante mijl (78 km 2), en het gebied een jaarlijkse regenval van 52,5 inch (1330 mm).

**Natuurlijke historie**

* The upper reaches of the River Etherow pass through [peat](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Peat&rurl=translate.google.nl&usg=ALkJrhjCKDfDPzAkGmSPHMck9bYtabx_vA) [moorland](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Moorland&rurl=translate.google.nl&usg=ALkJrhjuTi6NTPfUZz6RWOyCzTYoF_iweQ) , inhabited by [Foxes](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Fox&rurl=translate.google.nl&usg=ALkJrhiJ-VAMbLLGWnmW8t65Qik9zsfjBg) , [Voles](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Vole&rurl=translate.google.nl&usg=ALkJrhi1X7K7Fp0x5o95S97We4eOk5VTBQ) and an introduced population of [Mountain Hare](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mountain_Hare&rurl=translate.google.nl&usg=ALkJrhgYArUWDx5BLDZfyD_937YoyVZSNA) . [Red Grouse](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Red_Grouse&rurl=translate.google.nl&usg=ALkJrhigGcY88vqlssuWzlhSlmRlDgS1dw) , [Ring Ouzel](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Ring_Ouzel&rurl=translate.google.nl&usg=ALkJrhg4rnow8afaIQeG6U9EkXp1wKQebg) , [Wheatear](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Wheatear&rurl=translate.google.nl&usg=ALkJrhg3a8atgSQQkPCIxpFzup3uMN2q3A) and [Golden Plover](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Golden_Plover&rurl=translate.google.nl&usg=ALkJrhj9ucV0XeNMaHt6i9FaWwYwiQBD8Q) may be seen. [Kestrels](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Kestrel&rurl=translate.google.nl&usg=ALkJrhh41djQLJPSaY2c1N6gnde10oXD-Q) , [Merlins](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Merlin_(bird)&rurl=translate.google.nl&usg=ALkJrhhvNl0OhMXJgAGKIy_JkdBDEImLfw) and [Short-eared Owls](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Short-eared_Owl&rurl=translate.google.nl&usg=ALkJrhg_bAV7wuyj1S8QQg8vFpLW8_3ovA) nest here.De bovenloop van de rivier de Etherow passeren [turf](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Peat&rurl=translate.google.nl&usg=ALkJrhjCKDfDPzAkGmSPHMck9bYtabx_vA) [heidevelden](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Moorland&rurl=translate.google.nl&usg=ALkJrhjuTi6NTPfUZz6RWOyCzTYoF_iweQ) , bewoond door [vossen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Fox&rurl=translate.google.nl&usg=ALkJrhiJ-VAMbLLGWnmW8t65Qik9zsfjBg) , [woelmuizen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Vole&rurl=translate.google.nl&usg=ALkJrhi1X7K7Fp0x5o95S97We4eOk5VTBQ) en een geïntroduceerde populatie van [Hare Mountain](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mountain_Hare&rurl=translate.google.nl&usg=ALkJrhgYArUWDx5BLDZfyD_937YoyVZSNA) .
* [Red Grouse](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Red_Grouse&rurl=translate.google.nl&usg=ALkJrhigGcY88vqlssuWzlhSlmRlDgS1dw) , [ringmerel](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Ring_Ouzel&rurl=translate.google.nl&usg=ALkJrhg4rnow8afaIQeG6U9EkXp1wKQebg) , [tapuit](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Wheatear&rurl=translate.google.nl&usg=ALkJrhg3a8atgSQQkPCIxpFzup3uMN2q3A) en [Goudplevier](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Golden_Plover&rurl=translate.google.nl&usg=ALkJrhj9ucV0XeNMaHt6i9FaWwYwiQBD8Q) kan worden gezien. [torenvalk](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Kestrel&rurl=translate.google.nl&usg=ALkJrhh41djQLJPSaY2c1N6gnde10oXD-Q) , [Merlins](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Merlin_(bird)&rurl=translate.google.nl&usg=ALkJrhhvNl0OhMXJgAGKIy_JkdBDEImLfw) en [Short-eared Uilen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Short-eared_Owl&rurl=translate.google.nl&usg=ALkJrhg_bAV7wuyj1S8QQg8vFpLW8_3ovA) nestelen hier. The reservoirs attract [Mallards](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mallard&rurl=translate.google.nl&usg=ALkJrhj1zzKW-wwJKTc4qLE-d6uRBamnGA) , and also [Teal](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Common_Teal&rurl=translate.google.nl&usg=ALkJrhiRS1rmYYxH2V2NJhVHhXILlJvSDA) , [Pochard](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Pochard&rurl=translate.google.nl&usg=ALkJrhg8LXmQiAK7BxnBKU16FehfralNPA) , [Common Sandpipers](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Common_Sandpiper&rurl=translate.google.nl&usg=ALkJrhgarJ3G0oPRAOgMDS08IwNdmRCd8Q) , [Black-headed Gulls](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Black-headed_Gull&rurl=translate.google.nl&usg=ALkJrhiJxdcPCQ4DXycNH-ueAS6B2MtAcQ) and [Canada Geese](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Canada_Geese&rurl=translate.google.nl&usg=ALkJrhg_7RzylWocHqiU21wrLbuj1azt5A) .
* De reservoirs aan te trekken [wilde eenden](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mallard&rurl=translate.google.nl&usg=ALkJrhj1zzKW-wwJKTc4qLE-d6uRBamnGA) , en ook [Teal](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Common_Teal&rurl=translate.google.nl&usg=ALkJrhiRS1rmYYxH2V2NJhVHhXILlJvSDA) , [Tafeleend](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Pochard&rurl=translate.google.nl&usg=ALkJrhg8LXmQiAK7BxnBKU16FehfralNPA) , [gemeenschappelijk Sandpipers](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Common_Sandpiper&rurl=translate.google.nl&usg=ALkJrhgarJ3G0oPRAOgMDS08IwNdmRCd8Q) , [Kokmeeuwen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Black-headed_Gull&rurl=translate.google.nl&usg=ALkJrhiJxdcPCQ4DXycNH-ueAS6B2MtAcQ) en [Canadese ganzen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Canada_Geese&rurl=translate.google.nl&usg=ALkJrhg_7RzylWocHqiU21wrLbuj1azt5A) . The woodlands are home to [Redstart](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Redstart&rurl=translate.google.nl&usg=ALkJrhjpDY0vXgs8bhbSugyiZjg3sLBxvg) , [Great Spotted Woodpecker](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Great_Spotted_Woodpecker&rurl=translate.google.nl&usg=ALkJrhj7vZt8c7Zl0OfXLDlUqgsEbynUsQ) , and [Spotted Flycatcher](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Spotted_Flycatcher&rurl=translate.google.nl&usg=ALkJrhjuHpmXSaZIiNCLLm0ugeJFcs6Dfw) . [[ 4 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Etherow&rurl=translate.google.nl&usg=ALkJrhhLRXL6caAhvaLmdXZVh0Lh33Likg#cite_note-SAFS21-3) [Water Rail](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Water_Rail&rurl=translate.google.nl&usg=ALkJrhg8i1d5cfx5XHRVI1V-kDPlYoJ2FA) have been recorded at Etherow Country Park. [[ 5 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Etherow&rurl=translate.google.nl&usg=ALkJrhhLRXL6caAhvaLmdXZVh0Lh33Likg#cite_note-CNR-4)
* De bossen zijn huis naar [roodstaart](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Redstart&rurl=translate.google.nl&usg=ALkJrhjpDY0vXgs8bhbSugyiZjg3sLBxvg) , [grote bonte specht](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Great_Spotted_Woodpecker&rurl=translate.google.nl&usg=ALkJrhj7vZt8c7Zl0OfXLDlUqgsEbynUsQ) en [Grauwe vliegenvanger](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Spotted_Flycatcher&rurl=translate.google.nl&usg=ALkJrhjuHpmXSaZIiNCLLm0ugeJFcs6Dfw). [waterral](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Water_Rail&rurl=translate.google.nl&usg=ALkJrhg8i1d5cfx5XHRVI1V-kDPlYoJ2FA) zijn geregistreerd op Etherow Country Park.

**[** [**edit**](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DRiver_Etherow%26action%3Dedit%26section%3D3&rurl=translate.google.nl&usg=ALkJrhiDCgJ0s0cBn7Oq6L5jx781YZM5MA) **] GeologyGeologie**

* Longdendale is een steile-zijdige V-vormige vallei die [glaciale](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Glacier&rurl=translate.google.nl&usg=ALkJrhjOMQ1lOth4n4qlu8gx290lqwlfmQ) oorsprong. Longdendale is in the [Dark Peak](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Dark_Peak&rurl=translate.google.nl&usg=ALkJrhj8H2mLZCKfbOYixrTn3gqmcUAUaQ) , where a thick blanket of peat overlies the [Millstone Grit](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Millstone_Grit&rurl=translate.google.nl&usg=ALkJrhjIt8Iaf39i3PfYH0qpieCjSSwQcw) sandstone, formed on a bed of [shale](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Shale&rurl=translate.google.nl&usg=ALkJrhjO-aig2RRxrfZ6isexkwT0xOh_TQ) through which flows the Etherow.
* Longdendale is in de [Dark Peak](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Dark_Peak&rurl=translate.google.nl&usg=ALkJrhj8H2mLZCKfbOYixrTn3gqmcUAUaQ) , waar een dikke deken van turf overlies de [Millstone Grit](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Millstone_Grit&rurl=translate.google.nl&usg=ALkJrhjIt8Iaf39i3PfYH0qpieCjSSwQcw) zandsteen, gevormd op een bed van [leisteen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Shale&rurl=translate.google.nl&usg=ALkJrhjO-aig2RRxrfZ6isexkwT0xOh_TQ) waardoor stroomt de Etherow. Directly beneath the upper valley lie areas of [Carboniferous](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Carboniferous&rurl=translate.google.nl&usg=ALkJrhguQGY5Q4XF9-fC_es7lppti-AqOg) Millstone Grit, shales and [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) .
* Direct onder de bovenste vallei liggen gebieden van [Carboon](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Carboniferous&rurl=translate.google.nl&usg=ALkJrhguQGY5Q4XF9-fC_es7lppti-AqOg) Millstone Grit, leisteen en [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) . It is on the edge of the [Peak District](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Peak_District&rurl=translate.google.nl&usg=ALkJrhj1DHnrh73xeni75oMs115MGItHGA) Dome, at the southern edge of the Pennine [anticline](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Anticline&rurl=translate.google.nl&usg=ALkJrhgXt3I3UZg-1fptMpHPtjxjqfYMjw) .
* Het is aan de rand van het [Peak District](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Peak_District&rurl=translate.google.nl&usg=ALkJrhj1DHnrh73xeni75oMs115MGItHGA) Dome, aan de zuidelijke rand van de Pennine [anticlinaal](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Anticline&rurl=translate.google.nl&usg=ALkJrhgXt3I3UZg-1fptMpHPtjxjqfYMjw) . The [Variscan uplift](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Variscan_orogeny&rurl=translate.google.nl&usg=ALkJrhhu_b9LQktU7Dqout5J-fDhAykNBA) has caused much [faulting](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Fault_(geology)&rurl=translate.google.nl&usg=ALkJrhjrCxrcFWpsf7VVm5sCg6uX21v4oA) and Glossopdale was the product of [glacial](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Glacial&rurl=translate.google.nl&usg=ALkJrhhm4MmIez1erGC_nkV0SQSlPyW_tA) action in the last glaciation period that exploited the weakened rocks.
* De [Hercynische getankte](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Variscan_orogeny&rurl=translate.google.nl&usg=ALkJrhhu_b9LQktU7Dqout5J-fDhAykNBA) heeft geleid tot veel [breuken](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Fault_(geology)&rurl=translate.google.nl&usg=ALkJrhjrCxrcFWpsf7VVm5sCg6uX21v4oA) en Glossopdale was het product van [glaciale](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Glacial&rurl=translate.google.nl&usg=ALkJrhhm4MmIez1erGC_nkV0SQSlPyW_tA) actie in de laatste ijstijd, dat profiteerde van het verzwakte rotsen. The steep-sided valleys of the [cloughs](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Clough&rurl=translate.google.nl&usg=ALkJrhgxSb6Ek16i7rRI_C_o751MWkpaVw) cause significant [erosion](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Erosion&rurl=translate.google.nl&usg=ALkJrhhyRx4gkleL01eKTxYjrqZv7dL4PA) and [deposition](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Deposition_(sediment)&rurl=translate.google.nl&usg=ALkJrhh64vk-NlJjkXsC5A2Sxk1396do-Q) .
* De steile valleien van de [cloughs](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Clough&rurl=translate.google.nl&usg=ALkJrhgxSb6Ek16i7rRI_C_o751MWkpaVw) leiden tot aanzienlijke [erosie](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Erosion&rurl=translate.google.nl&usg=ALkJrhhyRx4gkleL01eKTxYjrqZv7dL4PA) en [depositie](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Deposition_(sediment)&rurl=translate.google.nl&usg=ALkJrhh64vk-NlJjkXsC5A2Sxk1396do-Q) . The layers of sandstone, mudstones and shale in the bedrock act as an [aquifer](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Aquifer&rurl=translate.google.nl&usg=ALkJrhhLHgxSea7nsibj-MhfGzzf0jaVfA) to feed the springs.
* De lagen van zandsteen, leisteen en slijkstenen in de rotsbodem fungeren als een [watervoerende laag](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Aquifer&rurl=translate.google.nl&usg=ALkJrhhLHgxSea7nsibj-MhfGzzf0jaVfA) te voeden de veren. The valley bottoms have a thin deposit of [boulder clay](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Boulder_clay&rurl=translate.google.nl&usg=ALkJrhh03tR6ptjUXsUvH4Xsh4SzXMzcDw) .
* De vallei heeft een dunne bodem storten van [keileem](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Boulder_clay&rurl=translate.google.nl&usg=ALkJrhh03tR6ptjUXsUvH4Xsh4SzXMzcDw) . The brooks are fed by the peaty soils of the moors and are, therefore, [acidic](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Acid&rurl=translate.google.nl&usg=ALkJrhihzk8wjhVSUmzIG4BHYh-yHx5kag) (pH5.5–7.0). [[ 6 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Etherow&rurl=translate.google.nl&usg=ALkJrhhLRXL6caAhvaLmdXZVh0Lh33Likg#cite_note-Glossop_Brook-5)
* De beken worden gevoed door de veenachtige bodem van de heide en zijn dus [zuur](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Acid&rurl=translate.google.nl&usg=ALkJrhihzk8wjhVSUmzIG4BHYh-yHx5kag) (pH5.5-7.0).

**[** [**edit**](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/w/index.php%3Ftitle%3DRiver_Etherow%26action%3Dedit%26section%3D4&rurl=translate.google.nl&usg=ALkJrhhbkuRujorZgt4WgwiBFAbHybZlJA) **] HistoryGeschiedenis**

* The Etherow valley was an important trans-Pennine route, and in AD78 the [Romans](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Roman_Empire&rurl=translate.google.nl&usg=ALkJrhiQ8FACIipAt2lCd9k3Kus-D1lXgw) under [Agricola](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Agricola&rurl=translate.google.nl&usg=ALkJrhjfrA3MYCOhoKGneCxOXIk-CbLt3A) built the fort of [Ardotalia](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Ardotalia&rurl=translate.google.nl&usg=ALkJrhjzmnnT5htXqqNtD6YESU8Gu2aFbw) (later known as Melandra or Melandra Castle) to defend it.De Etherow vallei was een belangrijke trans-Pennine route en in AD78 de [Romeinen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Roman_Empire&rurl=translate.google.nl&usg=ALkJrhiQ8FACIipAt2lCd9k3Kus-D1lXgw) onder [Agricola](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Agricola&rurl=translate.google.nl&usg=ALkJrhjfrA3MYCOhoKGneCxOXIk-CbLt3A) bouwde het fort van [Ardotalia](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Ardotalia&rurl=translate.google.nl&usg=ALkJrhjzmnnT5htXqqNtD6YESU8Gu2aFbw) (later bekend als Melandra of Melandra Castle) te verdedigen. The [Mercians](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mercians&rurl=translate.google.nl&usg=ALkJrhgrUqeeNTBGlrfHePZQQ8FDHR72FQ) settled at Hollingworth about 650AD.
* De [Mercianen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mercians&rurl=translate.google.nl&usg=ALkJrhgrUqeeNTBGlrfHePZQQ8FDHR72FQ) vestigde zich Hollingworth over 650AD. Many placenames of the area date from this period; for example, [Mottram](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mottram&rurl=translate.google.nl&usg=ALkJrhgAvTBJBq8Uueb4qS5fcXv_D9HFbQ) and [Glossop](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Glossop&rurl=translate.google.nl&usg=ALkJrhibF6nJEY203gCka6SF4vGdt-7iQA) .
* Veel plaatsnamen in het gebied dateren uit deze periode, bijvoorbeeld [Mottram](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mottram&rurl=translate.google.nl&usg=ALkJrhgAvTBJBq8Uueb4qS5fcXv_D9HFbQ) en [Glossop](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Glossop&rurl=translate.google.nl&usg=ALkJrhibF6nJEY203gCka6SF4vGdt-7iQA) . By 1086 the river was firmly established as the boundary between Cheshire and Derbyshire. [ [citation needed](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Wikipedia:Citation_needed&rurl=translate.google.nl&usg=ALkJrhj2sfEzHCFoMeqv-Ia2oV3b8Yjuiw) ]
* Door 1086 de rivier werd stevig gevestigd als de grens tussen Cheshire en Derbyshire.
* A [packhorse](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Packhorse&rurl=translate.google.nl&usg=ALkJrhjnf2fqcvDZEKQkhx1SAeuS7o8Kqg) route (known as a saltway) was maintained from the [Middle Ages](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Middle_Ages&rurl=translate.google.nl&usg=ALkJrhj9zszBQJscp_ktELX6mxzLYTNHrA) onwards to allow the export of salt from the [Cheshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cheshire&rurl=translate.google.nl&usg=ALkJrhjuRycIrN7K9c4vK99NxtdeRn8_KQ) towns of [Nantwich](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Nantwich&rurl=translate.google.nl&usg=ALkJrhj3-1P5xV0f1NhDq9EpaIbyAFFTaA) , [Northwich](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Northwich&rurl=translate.google.nl&usg=ALkJrhgCK3x3aut-hS3rDcQbo81GDwSkpg) and [Middlewich](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Middlewich&rurl=translate.google.nl&usg=ALkJrhhK434jfc_is9LECDQbA6pNEJl7Qg) across the [Pennines](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Pennines&rurl=translate.google.nl&usg=ALkJrhgB1ZjS374dAaK96CTOmiXwZ1BZGQ) .Een [pakpaard](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Packhorse&rurl=translate.google.nl&usg=ALkJrhjnf2fqcvDZEKQkhx1SAeuS7o8Kqg) route (bekend als een saltway) werd gehandhaafd uit de [middeleeuwen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Middle_Ages&rurl=translate.google.nl&usg=ALkJrhj9zszBQJscp_ktELX6mxzLYTNHrA) vanaf om de uitvoer van zout uit de [Cheshire](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cheshire&rurl=translate.google.nl&usg=ALkJrhjuRycIrN7K9c4vK99NxtdeRn8_KQ) steden van [Nantwich](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Nantwich&rurl=translate.google.nl&usg=ALkJrhj3-1P5xV0f1NhDq9EpaIbyAFFTaA) , [Northwich](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Northwich&rurl=translate.google.nl&usg=ALkJrhgCK3x3aut-hS3rDcQbo81GDwSkpg) en [Middlewich](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Middlewich&rurl=translate.google.nl&usg=ALkJrhhK434jfc_is9LECDQbA6pNEJl7Qg) over de [Pennines](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Pennines&rurl=translate.google.nl&usg=ALkJrhgB1ZjS374dAaK96CTOmiXwZ1BZGQ) . The saltway followed the Etherow to Ladyshaw, and at Salters Brook ( [SK137999](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://rhaworth.com/os/coor_g.php%3Fpagename%3DRiver_Etherow%26params%3DSK137999_region:GB_scale:25000&rurl=translate.google.nl&usg=ALkJrhjsnCDix_I14-Om3rtJjM7gmqDI1A) ) it forked, with one route leading to [Wakefield](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Wakefield&rurl=translate.google.nl&usg=ALkJrhg6P7CeUqtrFXw9wTag7hNB2Gknzw) and another to [Barnsley](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Barnsley&rurl=translate.google.nl&usg=ALkJrhhTbO8PMDh8ZoYWrJTGD7mzQc8d4Q) . [[ 4 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Etherow&rurl=translate.google.nl&usg=ALkJrhhLRXL6caAhvaLmdXZVh0Lh33Likg#cite_note-SAFS21-3) [[ 7 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Etherow&rurl=translate.google.nl&usg=ALkJrhhLRXL6caAhvaLmdXZVh0Lh33Likg#cite_note-6)
* De saltway volgde de Etherow om Ladyshaw, en bij Salters Brook het gevorkte, met een route die leidt tot [Wakefield](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Wakefield&rurl=translate.google.nl&usg=ALkJrhg6P7CeUqtrFXw9wTag7hNB2Gknzw) en een andere voor [Barnsley](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Barnsley&rurl=translate.google.nl&usg=ALkJrhhTbO8PMDh8ZoYWrJTGD7mzQc8d4Q).
* Water was an important source of power for industry, and the Etherow and its tributaries were fast flowing and constant. [Watermills](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) were used to grind [meal](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Flour&rurl=translate.google.nl&usg=ALkJrhiGNCQFTSpZYR5MHcfVToibhlzhkw) and to [full](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Fulling&rurl=translate.google.nl&usg=ALkJrhhQI22cUgUD6lCkY3Dwx3lHOnL4mg) woollen cloth (Littlemoor 1781).Water is een belangrijke bron van macht voor de industrie, en de Etherow en haar zijrivieren waren snel stromende en constant.
* [Watermolens](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) werden gebruikt voor het malen [maaltijd](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Flour&rurl=translate.google.nl&usg=ALkJrhiGNCQFTSpZYR5MHcfVToibhlzhkw) en om [volledige](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Fulling&rurl=translate.google.nl&usg=ALkJrhhQI22cUgUD6lCkY3Dwx3lHOnL4mg) wollen doek (Littlemoor 1781). Wool was transported along the [turnpike](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Turnpike&rurl=translate.google.nl&usg=ALkJrhgoIwt5RNA_IHb5njzsnj7u0nrYQQ) road (1731) that ran from [Ashton-under-Lyne](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Ashton-under-Lyne&rurl=translate.google.nl&usg=ALkJrhhFrHzoYmigZXKdBJ0b_l5huYmpOA) , [Stalybridge](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Stalybridge&rurl=translate.google.nl&usg=ALkJrhjWd165IJbuhd-8YWAZNYm-IkK2Fg) , Mottram, [Woodhead](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Woodhead&rurl=translate.google.nl&usg=ALkJrhgO4XZJnLRtN5XxUf1BF5ApAI_Yew) and Lady's Cross to [Sheffield](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sheffield&rurl=translate.google.nl&usg=ALkJrhg5VPbgYOI_zVgnyS5tqBeJDe4KMw) , to be [woven](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Weaving&rurl=translate.google.nl&usg=ALkJrhg2qPp8fp7B58ap0sCjQ7vohCwWYA) on [hand-looms](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Hand-loom&rurl=translate.google.nl&usg=ALkJrhi-8FhrAtwH2NKY1BJZkGupluXZHQ) in the dale. [[ 8 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Etherow&rurl=translate.google.nl&usg=ALkJrhhLRXL6caAhvaLmdXZVh0Lh33Likg#cite_note-7)
* Wol werd vervoerd langs de [tolweg](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Turnpike&rurl=translate.google.nl&usg=ALkJrhgoIwt5RNA_IHb5njzsnj7u0nrYQQ) over de weg (1731), dat liep van [Ashton-under-Lyne](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Ashton-under-Lyne&rurl=translate.google.nl&usg=ALkJrhhFrHzoYmigZXKdBJ0b_l5huYmpOA) , [Stalybridge](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Stalybridge&rurl=translate.google.nl&usg=ALkJrhjWd165IJbuhd-8YWAZNYm-IkK2Fg), Mottram, [Woodhead](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Woodhead&rurl=translate.google.nl&usg=ALkJrhgO4XZJnLRtN5XxUf1BF5ApAI_Yew) en Lady's Cross naar [Sheffield](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sheffield&rurl=translate.google.nl&usg=ALkJrhg5VPbgYOI_zVgnyS5tqBeJDe4KMw) , worden [geweven](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Weaving&rurl=translate.google.nl&usg=ALkJrhg2qPp8fp7B58ap0sCjQ7vohCwWYA) op [hand-weefgetouwen](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Hand-loom&rurl=translate.google.nl&usg=ALkJrhi-8FhrAtwH2NKY1BJZkGupluXZHQ) in het dal.
* From 1782 to 1820, water-powered [cotton mills](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cotton_mill&rurl=translate.google.nl&usg=ALkJrhjJGZkhDQVfo-PqxX6aTM7Skaey8g) were built along many brooks feeding the Etherow, including six on the Glossop side of the river.Van 1782 tot 1820, waterkracht aangedreven [katoenfabrieken](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Cotton_mill&rurl=translate.google.nl&usg=ALkJrhjJGZkhDQVfo-PqxX6aTM7Skaey8g) werden gebouwd langs de vele beken voeden van de Etherow, waaronder zes op de Glossop kant van de rivier. With the adoption of steam to power the ever-larger mills, built closer to the coal fields, the river assumed a new role as a source of water for [Manchester](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Manchester&rurl=translate.google.nl&usg=ALkJrhjJynWBA4T_KB4iBxmwqZBECr1qYQ) and [Salford](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Salford,_Greater_Manchester&rurl=translate.google.nl&usg=ALkJrhhAwLamWiDBqAIbnDrqAAnBYT9rFg) .
* Met de goedkeuring van stoom aan de macht van de steeds grotere molens, akkers gebouwd dichter bij de kolen, de rivier nam een nieuwe rol als een bron van water voor [Manchester](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Manchester&rurl=translate.google.nl&usg=ALkJrhjJynWBA4T_KB4iBxmwqZBECr1qYQ) en [Salford](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Salford,_Greater_Manchester&rurl=translate.google.nl&usg=ALkJrhhAwLamWiDBqAIbnDrqAAnBYT9rFg) . In 1844 [John Frederick Bateman](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/John_Frederick_Bateman&rurl=translate.google.nl&usg=ALkJrhhXlbEdEtNQqTJU61_W5NFNRH0Rtw) advised Manchester Corporation that the River Etherow, which rose at the highest point of the Pennine chain, could provide water, collected in purpose-built reservoirs, "nearly as pure as if it comes from the heavens."
* In 1844 [Johan Frederik Bateman](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/John_Frederick_Bateman&rurl=translate.google.nl&usg=ALkJrhhXlbEdEtNQqTJU61_W5NFNRH0Rtw) geadviseerd Manchester Corporation, dat de rivier de Etherow, die steeg naar het hoogste punt van de Pennine keten, kan er water voorzien, verzameld in de speciaal gebouwde reservoirs, "bijna net zo zuiver als het afkomstig is van de hemel." This led to the construction of the [Longdendale Chain](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Longdendale_Chain&rurl=translate.google.nl&usg=ALkJrhhOMV-pv8hLIb3Jja3CeTYRYKskhA) of reservoirs, the first scheme of its type in the world.
* Dit leidde tot de bouw van de [Longdendale Chain](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Longdendale_Chain&rurl=translate.google.nl&usg=ALkJrhhOMV-pv8hLIb3Jja3CeTYRYKskhA) van de reservoirs, het eerste programma in zijn soort in de wereld. Three reservoirs were built on the Etherow to impound drinking water, with another two to provide compensation water for the mills downstream. [[ 9 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Etherow&rurl=translate.google.nl&usg=ALkJrhhLRXL6caAhvaLmdXZVh0Lh33Likg#cite_note-QuayleW2-8)
* Drie reservoirs werden gebouwd op de Etherow om water te drinken in beslag te nemen, met nog eens twee tot water te voorzien vergoeding voor de downstream-molens.