**River Mole**

* The **River Mole** is 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 Thames](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Thames&rurl=translate.google.nl&usg=ALkJrhh172BtmF8j9gwKWNlff4WwnP5Q8g) in [southern England](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Southern_England&rurl=translate.google.nl&usg=ALkJrhgz-kX5oxTTBqrTKrrdOhYAMvnLuQ) .De rivier Mole is 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 [Theems](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Thames&rurl=translate.google.nl&usg=ALkJrhh172BtmF8j9gwKWNlff4WwnP5Q8g) in [het zuiden van Engeland](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Southern_England&rurl=translate.google.nl&usg=ALkJrhgz-kX5oxTTBqrTKrrdOhYAMvnLuQ). It [rises](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Source_(river)&rurl=translate.google.nl&usg=ALkJrhgvrylKcVf66uu4AOisusv4v_uGDw) in [West Sussex](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/West_Sussex&rurl=translate.google.nl&usg=ALkJrhi1PK59eZOBAEEBs1xmsimCWvmG1A) near [Gatwick Airport](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Gatwick_Airport&rurl=translate.google.nl&usg=ALkJrhhQbLHTvoQIyYLBNGVxtY-glc1OxA) and flows north west through [Surrey](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Surrey&rurl=translate.google.nl&usg=ALkJrhg1Ev5eGMM80kwaSZCsWYH52cdwtA) for 80 km (50 miles) to the [Thames](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Thames&rurl=translate.google.nl&usg=ALkJrhh172BtmF8j9gwKWNlff4WwnP5Q8g) near [Hampton Court Palace](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Hampton_Court_Palace&rurl=translate.google.nl&usg=ALkJrhh0dk8U_d2gaCxgLoA9VVwqHKrImA) . [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-CAMs-0) The river gives its name to the [Surrey](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Surrey&rurl=translate.google.nl&usg=ALkJrhg1Ev5eGMM80kwaSZCsWYH52cdwtA) district of [Mole Valley](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mole_Valley&rurl=translate.google.nl&usg=ALkJrhj86uzoB0yZ_xDbl52fAYl6Q7Mtqg) .
* Het [ontspringt](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Source_(river)&rurl=translate.google.nl&usg=ALkJrhgvrylKcVf66uu4AOisusv4v_uGDw) in [West Sussex](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/West_Sussex&rurl=translate.google.nl&usg=ALkJrhi1PK59eZOBAEEBs1xmsimCWvmG1A) in de buurt van [Gatwick Airport](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Gatwick_Airport&rurl=translate.google.nl&usg=ALkJrhhQbLHTvoQIyYLBNGVxtY-glc1OxA) en stroomt ten noordwesten door middel van [Surrey](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Surrey&rurl=translate.google.nl&usg=ALkJrhg1Ev5eGMM80kwaSZCsWYH52cdwtA) voor 80 km (50 mijl) aan de [Thames](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Thames&rurl=translate.google.nl&usg=ALkJrhh172BtmF8j9gwKWNlff4WwnP5Q8g) in de buurt van [Hampton Court Palace](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Hampton_Court_Palace&rurl=translate.google.nl&usg=ALkJrhh0dk8U_d2gaCxgLoA9VVwqHKrImA) .
* De rivier geeft zijn naam aan de [Surrey](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Surrey&rurl=translate.google.nl&usg=ALkJrhg1Ev5eGMM80kwaSZCsWYH52cdwtA) district [Mole Valley](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Mole_Valley&rurl=translate.google.nl&usg=ALkJrhj86uzoB0yZ_xDbl52fAYl6Q7Mtqg). The Mole crosses the [North Downs](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/North_Downs&rurl=translate.google.nl&usg=ALkJrhj1w1j_CopabKR8EHEZ2p8pKDCbMQ) between [Dorking](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Dorking&rurl=translate.google.nl&usg=ALkJrhiMJ0tqnz32_itMSxM8SzewZP9CGg) and [Leatherhead](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Leatherhead&rurl=translate.google.nl&usg=ALkJrhiNbfGyyPDVgoc4mEPGNXpbS3G97g) , where it cuts a steep-sided valley, known as the Mole Gap, through the chalk. [[ 2 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-physiography-1) Much of the catchment area lies on [impermeable rock](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Permeability_(earth_sciences)&rurl=translate.google.nl&usg=ALkJrhjlVfWmjZiN5vEemrBmyG-o3jQQXA) (including [Wealden Clay](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Weald&rurl=translate.google.nl&usg=ALkJrhidCWpt1Eup2Cg3EU0HMmRt6EpA_A) and [London Clay](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/London_Clay&rurl=translate.google.nl&usg=ALkJrhhQVGdPvYCNqE3ngSDa1VFJ9BENag) ), meaning that the river level responds rapidly to heavy rainfall. [[ 2 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-physiography-1)
* De Mole kruist de [North Downs](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/North_Downs&rurl=translate.google.nl&usg=ALkJrhj1w1j_CopabKR8EHEZ2p8pKDCbMQ) tussen [Dorking](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Dorking&rurl=translate.google.nl&usg=ALkJrhiMJ0tqnz32_itMSxM8SzewZP9CGg) en [Leatherhead](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Leatherhead&rurl=translate.google.nl&usg=ALkJrhiNbfGyyPDVgoc4mEPGNXpbS3G97g) , waar het, snijdt een steile vallei, bekend als de Mole Gap via het krijt.
* Een groot deel van het stroomgebied ligt op [ondoorlaatbaar gesteente](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Permeability_(earth_sciences)&rurl=translate.google.nl&usg=ALkJrhjlVfWmjZiN5vEemrBmyG-o3jQQXA) (inclusief [Wealden Clay](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Weald&rurl=translate.google.nl&usg=ALkJrhidCWpt1Eup2Cg3EU0HMmRt6EpA_A) en [London Clay](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/London_Clay&rurl=translate.google.nl&usg=ALkJrhhQVGdPvYCNqE3ngSDa1VFJ9BENag) ), wat betekent dat de rivier snel reageert op het niveau van zware regenval.
* During the second half of the 20th century [pollution](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Pollution&rurl=translate.google.nl&usg=ALkJrhieDb2fAW-kAOSDwqKORCbYCa-_Ig) levels in the river were high, however since 1995 the [water quality](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Water_quality&rurl=translate.google.nl&usg=ALkJrhhpkILc9zbtIlTcDqrrvhZk3c4BZQ#Environmental_water_quality) has improved dramatically and the Mole now boasts the greatest diversity of fish species of any river in England. [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-CAMs-0) [[ 3 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-EA_fish-2) The Mole [catchment area](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Drainage_basin&rurl=translate.google.nl&usg=ALkJrhhR23PHlsoAr2YsMZabVeEKBuHMyg) includes twelve [Sites of Special Scientific Interest (SSSIs)](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sites_of_Special_Scientific_Interest&rurl=translate.google.nl&usg=ALkJrhjGGhq9CuZ_iRY6FCmPs4qjfM3nQw) which include wetland habitats and the stretch of river through Leatherhead has been designated a [Local Nature Reserve](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Local_Nature_Reserve&rurl=translate.google.nl&usg=ALkJrhi2g1Hs2m0fmMQ_zhfRUtnjCbL5ow) .Tijdens de tweede helft van de 20e eeuw [vervuiling](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Pollution&rurl=translate.google.nl&usg=ALkJrhieDb2fAW-kAOSDwqKORCbYCa-_Ig) niveaus in de rivier waren hoog, maar sinds 1995 is de [waterkwaliteit](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Water_quality&rurl=translate.google.nl&usg=ALkJrhhpkILc9zbtIlTcDqrrvhZk3c4BZQ#Environmental_water_quality) verbeterd in Engeland en de Mole biedt nu de grootste verscheidenheid aan vissoorten van een rivier in.
* The Mole [stroomgebied](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Drainage_basin&rurl=translate.google.nl&usg=ALkJrhhR23PHlsoAr2YsMZabVeEKBuHMyg) omvat twaalf [locaties van bijzonder wetenschappelijk belang (SSSI)](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Sites_of_Special_Scientific_Interest&rurl=translate.google.nl&usg=ALkJrhjGGhq9CuZ_iRY6FCmPs4qjfM3nQw) , die onder meer Leatherhead wetland habitats en het gedeelte van de rivier is aangewezen door middel van een [plaatselijke natuurreservaat](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Local_Nature_Reserve&rurl=translate.google.nl&usg=ALkJrhi2g1Hs2m0fmMQ_zhfRUtnjCbL5ow) . The Mole Gap forms part of a [Special Area of Conservation](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Special_Area_of_Conservation&rurl=translate.google.nl&usg=ALkJrhgPgomYxs3NnQVdskqg68eyQ16REw) and is an SSSI of European importance. [[ 1 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-CAMs-0)
* De Mole Gap maakt deel uit van een [speciale beschermingszone](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Special_Area_of_Conservation&rurl=translate.google.nl&usg=ALkJrhgPgomYxs3NnQVdskqg68eyQ16REw) en is een SSSI van Europees belang.
* The river has captured the imagination of several authors and poets, particularly since in very hot summers, the river channel can become dry between Dorking and Leatherhead (most recently in 1976). [[ 4 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-3) In [John Speed's](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/John_Speed&rurl=translate.google.nl&usg=ALkJrhjwH7kJdGvSxFLmhaSY3BWQvaopcw) 1611 map of Surrey this stretch of the river is denoted by a series of hills accompanied by the legend "The river runneth under".De rivier heeft, tot de verbeelding van een aantal auteurs en dichters vooral omdat in zeer warme zomers, rivier-kanaal kan de droge geworden tussen Dorking en Leatherhead (meest recentelijk in 1976).
* In [John Speed](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/John_Speed&rurl=translate.google.nl&usg=ALkJrhjwH7kJdGvSxFLmhaSY3BWQvaopcw) 1611 kaart van Surrey dit gedeelte van de de rivier wordt aangeduid door een reeks van heuvels vergezeld door de legende "De rivier vloeit onder". The river's name is unlikely to have derived however from this behaviour: The Oxford Dictionary of English Place Names suggests that Mole either comes from the Latin mola (a mill) or is a [back-formation](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Back-formation&rurl=translate.google.nl&usg=ALkJrhgJj170-pI2i-5LHMD6UkpXvR6kkA) from Molesey (Mul's island). [[ 5 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-4) [Domesday Book](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Domesday_Book&rurl=translate.google.nl&usg=ALkJrhj1GxYe7yrY_JggFDulM_edcaSCHA) lists twenty [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) on the river in 1086, of which Sidlow Mill was the oldest, dating from [Saxon times](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/History_of_Anglo-Saxon_England&rurl=translate.google.nl&usg=ALkJrhjEzFK7mp1vz3YGG0TPqAINrRI04A) . [[ 6 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-moleseyhistory-5) [[ 7 ]](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/River_Mole&rurl=translate.google.nl&usg=ALkJrhgu1v_HJ1UUKrQSLcKlSTOwrtW6jg#cite_note-water_mills_surrey-6)
* De rivier de naam onwaarschijnlijk is afgeleid echter hebben van dit gedrag: The Oxford Dictionary of van het Engels Plaats Namen wijst erop dat de Mole ofwel komt van het Latijnse mola (een molen), of is een [back-formatie](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Back-formation&rurl=translate.google.nl&usg=ALkJrhgJj170-pI2i-5LHMD6UkpXvR6kkA) uit Molesey (Mul's Island).
* [Domesday Boek](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/Domesday_Book&rurl=translate.google.nl&usg=ALkJrhj1GxYe7yrY_JggFDulM_edcaSCHA) lijsten twintig [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) aan de rivier in 1086, waarvan Sidlow Mill was de oudste, daterend uit [Saksische tijden](http://translate.googleusercontent.com/translate_c?hl=nl&langpair=en%7Cnl&u=http://en.wikipedia.org/wiki/History_of_Anglo-Saxon_England&rurl=translate.google.nl&usg=ALkJrhjEzFK7mp1vz3YGG0TPqAINrRI04A).