

Stelle 499: Gontenbach



| Messstelle | |
|-----------------------|--|
| Koordinaten | 682436 / 239289 |
| Höhenlage | 469 m ü. M. |
| Abfluss | Q _{mittel} 0.04 m ³ /s Q ₃₄₇ 3 l/s |
| Gefälle | 6.5 % |
| Gewässertyp | Steiler, kleiner Bach des kollinen, karbonatischen Mittellands |
| Vegetationstyp | kleiner Moos-Typ |

| Einzugsgebiet | |
|-----------------------------|----------------------|
| Fläche total | 1.8 km ² |
| Wald | 1.0 km ² |
| Landwirtschaft | 0.4 km ² |
| Gewässer | 0.00 km ² |
| unproduktive Flächen | 0.00 km ² |
| Siedlungsflächen | 0.3 km ² |

| Category | Percentage |
|----------------------|------------|
| Wald | 58.8% |
| Landwirtschaft | 19.3% |
| Siedlungsflächen | 21.9% |
| Gewässer | 0.0% |
| unproduktive Flächen | 0.0% |

Quelle: Arealstatistik 92/97 GEOSTAT

Methoden

Informationen zu den Messtellen, zum Messprogramm und den Beurteilungsmethoden: www.wasser.zh.ch/fg_methoden

* NO₂: Zielvorgabe für Stellen mit Chloridgehalt 10 - 20 mg Cl/l

** PO₄: Zielvorgabe für Stellen unterhalb von Seen

| Anthropogene Belastung | |
|--|----------------------|
| Anteil gereinigtes Abwasser am Gesamtabfluss | 0 % |
| Abflussverhältnisse | sehr gut |
| Ökomorphologie Messstelle | wenig beeinträchtigt |
| Ökomorphologie Umgebung 1 km ² | stark beeinträchtigt |

ARA im Einzugsgebiet

keine



Beurteilung der Gewässerqualität

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| Kenngrösse | Zielvorgabe | 76-77 | 78-79 | 80-81 | 82-83 | 84-85 | 86-87 | 88-89 | 90-91 | 92-93 | 94-95 | 96-97 | 98-99 | 00-01 | 02-03 | 04-05 | 06-07 | 08-09 | 10-11 | 12-13 | 14-15 | 16-17 | 2018 |
|--|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| Nährstoffe | | | | | | | | | | | | | | | | | | | | | | | |
| Ammonium (T<10°C) | 0.4 mg NH ₄ -N/l | | | | | | | | | | | | | | | | 0.04 | | | | | | |
| Ammonium (T≥10°C) | 0.2 mg NH ₄ -N/l | | | | | | | | | | | | | | | | 0.03 | | | | | | |
| Nitrit * | 0.02 mg NO ₂ -N/l | | | | | | | | | | | | | | | | 0.005 | | | | | | |
| Nitrat | 5.6 mg NO ₃ -N/l | | | | | | | | | | | | | | | | 2.17 | | | | | | |
| Phosphat ** | 0.08 mg PO ₄ -P/l | | | | | | | | | | | | | | | | 0.008 | | | | | | |
| Gesamtphosphor ** | 0.14 mg Ges-P/l | | | | | | | | | | | | | | | | 0.017 | | | | | | |
| DOC | 4.0 mg C/l | | | | | | | | | | | | | | | | 2.34 | | | | | | |
| BSB ₅ | 4.0 mg O ₂ /l | | | | | | | | | | | | | | | | | | | | | | |
| Pestizide und andere Mikroverunreinigungen: Auswertung nach Stoffgruppen | | | | | | | | | | | | | | | | | | | | | | | |
| Anford. GSchV | Werte ≥0.1 µg/l | | | | | | | | | | | | | | | | 0.06 | | | | | | |
| Fungizide | Quotient < 1 | | | | | | | | | | | | | | | | 0.0 | | | | | | |
| Herbizide | Quotient < 1 | | | | | | | | | | | | | | | | 0.0 | | | | | | |
| Insektizide | Quotient < 1 | | | | | | | | | | | | | | | | 0.0 | | | | | | |
| Indikatorstoffe ARA | Quotient < 1 | | | | | | | | | | | | | | | | | | | | | | |
| Pestizide und andere Mikroverunreinigungen: Auswertung nach Organismengruppen | | | | | | | | | | | | | | | | | | | | | | | |
| Algen/Wasserpflanzen | Quotient < 1 | | | | | | | | | | | | | | | | 0.0 | | | | | | |
| Wirbellose | Quotient < 1 | | | | | | | | | | | | | | | | 0.0 | | | | | | |
| Fische | Quotient < 1 | | | | | | | | | | | | | | | | 0.0 | | | | | | |
| Sediment | | | | | | | | | | | | | | | | | | | | | | | |
| Blei (Pb) | 100 mg /kg TS | | | | | | | | | | | | | | | | 10.9 | | | | | | |
| Cadmium (Cd) | 1.5 mg /kg TS | | | | | | | | | | | | | | | | 0.19 | | | | | | |
| Chrom (Cr) | 100 mg /kg TS | | | | | | | | | | | | | | | | 38.9 | | | | | | |
| Kupfer (Cu) | 60 mg /kg TS | | | | | | | | | | | | | | | | 27.0 | | | | | | |
| Nickel(Ni) | 50 mg /kg TS | | | | | | | | | | | | | | | | 34.9 | | | | | | |
| Quecksilber (Hg) | 1 mg /kg TS | | | | | | | | | | | | | | | | 0.08 | | | | | | |
| Zink (Zn) | 200 mg /kg TS | | | | | | | | | | | | | | | | 123 | | | | | | |
| PCB | 20 µg /kg TS | | | | | | | | | | | | | | | | | | | | | | |
| PAK | 3 mg /kg TS | | | | | | | | | | | | | | | | | | | | | | |
| Kolmation | <2 Punkte | | | | | | | | | | | | | | | | 1.8 | | | | | | |
| Biologie | | | | | | | | | | | | | | | | | | | | | | | |
| Kieselalgen | Index < 4.5 | | | | | | | | | | | | | | | | 4.2 | | | | | | |
| Wasserpflanzen | Index > 0.6 | | | | | | | | | | | | | | | | 0.47 | | | | | | |
| Wirbellose Ref ZH | Index < 0.31 | | | | | | | | | | | | | | | | 0.39 | | | | | | |
| Wirbellose IBCH (IBGN) | Index > 12 | | | | | | | | | | | | | | | | 13.0 | | | | | | |
| Wirbellose SPEAR | Index > 32 | | | | | | | | | | | | | | | | 53.7 | | | | | | |
| Fische | Index < 3 | | | | | | | | | | | | | | | | 2.0 | | | | | | |