

平成29年度 一庫ダム水質調査結果

貯水池_基準地点表層(0.5m)

| 調査項目 | 単位 | H29.4.11 | H29.5.11 | H29.6.6 | H29.7.11 | H29.8.15 | H29.9.14 | H29.10.11 | H29.11.7 | H29.12.5 | H30.1.23 | H30.2.6 | H30.3.6 | 環境基準 (未設定) |
|---------|-----------|----------|----------|---------|----------|----------|----------|-----------|----------|----------|----------|---------|---------|---------------|
| 水温 | ℃ | 10.0 | 14.0 | 18.5 | 23.2 | 26.3 | 25.3 | 21.5 | 15.6 | 12.8 | 8.1 | 6.8 | 8.4 | |
| 濁度 | 度 | 3.9 | 2.9 | 3.4 | 1.9 | 1.8 | 2.8 | 2.2 | 3.7 | 2.7 | 1.8 | 1.6 | 4.1 | |
| DO | mg/L | 12.7 | 11.4 | 10.9 | 9.5 | 9.7 | 10.2 | 8.3 | 9.3 | 9.1 | 10.1 | 10.3 | 13.5 | |
| pH | - | 8.6 | 7.7 | 7.7 | 7.6 | 7.6 | 7.6 | 7.5 | 7.5 | 7.4 | 7.3 | 7.3 | 8.2 | |
| BOD | mg/L | 2.3 | 0.9 | 1.6 | 0.6 | 0.5 | 0.5 | 0.5 | 0.5 | 0.3 | 0.4 | 0.1 | 1.2 | |
| COD | mg/L | 3.7 | 2.6 | 2.4 | 3.2 | 3.6 | 3.1 | 3.0 | 2.4 | 2.5 | 2.2 | 2.1 | 3.2 | |
| SS | mg/L | 4.8 | 1.7 | 2.2 | 1.8 | 2.9 | 3.5 | 2.4 | 2.4 | 2.7 | 1.3 | 0.7 | 4.2 | |
| 大腸菌群数 | MPN/100ml | 33 | 95 | 3,300 | 4900 | 330 | 4,900 | 330 | 1,100 | 110 | 23 | 17 | 7 | |
| 総窒素 | mg/L | 0.49 | 0.46 | 0.57 | 0.57 | 0.60 | 0.48 | 0.72 | 0.63 | 0.61 | 0.68 | 0.82 | 0.80 | |
| 総リン | mg/L | 0.026 | 0.034 | 0.039 | 0.054 | 0.059 | 0.030 | 0.033 | 0.048 | 0.037 | 0.035 | 0.033 | 0.041 | |
| クロロフィルa | mg/m3 | 27.9 | 0.6 | 1.5 | 0.4 | 0.5 | 0.5 | 0.6 | <0.2 | <0.2 | 1.3 | 0.8 | 24.8 | |

流入地点_千軒(一庫大路次川)

| 調査項目 | 単位 | H29.4.11 | H29.5.11 | H29.6.6 | H29.7.11 | H29.8.15 | H29.9.14 | H29.10.11 | H29.11.7 | H29.12.5 | H30.1.23 | H30.2.6 | H30.3.6 | 環境基準 (河川A類型) |
|---------|-----------|----------|----------|---------|----------|----------|----------|-----------|----------|----------|----------|---------|---------|-----------------|
| 水温 | ℃ | 11.1 | 20.8 | 22.1 | 23.0 | 24.1 | 24.4 | 21.6 | 13.3 | 8.0 | 6.5 | 4.1 | 9.1 | |
| 濁度 | 度 | 3.4 | 5.0 | 2.5 | 3.6 | 2.1 | 3.9 | 1.2 | 0.6 | 0.5 | 1.5 | 0.8 | 4.4 | |
| DO | mg/L | 10.7 | 10.9 | 10.2 | 10.0 | 8.5 | 11.2 | 10.6 | 10.5 | 13.3 | 12.1 | 13.0 | 11.6 | 7.5以上 |
| pH | - | 7.7 | 8.0 | 8.4 | 7.7 | 7.9 | 8.3 | 8.2 | 7.9 | 8.4 | 7.7 | 7.8 | 7.4 | 6.5~8.5 |
| BOD | mg/L | 1.2 | 0.7 | 0.6 | 0.4 | 0.3 | <0.1 | 0.4 | 0.4 | 0.4 | 1.0 | 0.4 | 0.3 | 2以下 |
| COD | mg/L | 2.9 | 3.2 | 5.5 | 2.5 | 2.7 | 2.8 | 1.9 | 1.4 | 1.6 | 2.1 | 1.7 | 3.2 | |
| SS | mg/L | 6.0 | 7.9 | 4.1 | 4.2 | 3.2 | 5.4 | 2.1 | 0.8 | 0.6 | 1.8 | 0.6 | 11.9 | 25以下 |
| 大腸菌群数 | MPN/100ml | 1,100 | 2,300 | 11,000 | 7,900 | 3,300 | 700 | 3,300 | 1,400 | 490 | 230 | 79 | 70 | 1000以下 |
| 総窒素 | mg/L | 0.56 | 0.58 | 0.66 | 0.44 | 0.36 | 0.37 | 0.38 | 0.41 | 0.38 | 0.81 | 0.89 | 0.80 | |
| 総リン | mg/L | 0.049 | 0.089 | 0.098 | 0.052 | 0.057 | 0.036 | 0.018 | 0.019 | 0.014 | 0.038 | 0.037 | 0.048 | |
| クロロフィルa | mg/m3 | 8.3 | 0.4 | 0.2 | 0.3 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 2.2 | 0.8 | 2.4 | |

流入地点_国崎(田尻川)

| 調査項目 | 単位 | H29.4.11 | H29.5.11 | H29.6.6 | H29.7.11 | H29.8.15 | H29.9.14 | H29.10.11 | H29.11.7 | H29.12.5 | H30.1.23 | H30.2.6 | H30.3.6 | 環境基準 (河川A類型) |
|---------|-----------|----------|----------|---------|----------|----------|----------|-----------|----------|----------|----------|---------|---------|-----------------|
| 水温 | ℃ | 11.6 | 21.2 | 22.1 | 24.7 | 24.4 | 24.1 | 22.1 | 14.2 | 8.1 | 6.2 | 4.9 | 10.9 | |
| 濁度 | 度 | 3.5 | 2.2 | 1.1 | 2.9 | 1.5 | 1.6 | 1.0 | 1.0 | 16.0 | 1.8 | 0.9 | 3.6 | |
| DO | mg/L | 10.6 | 10.5 | 9.3 | 9.4 | 8.9 | 10.1 | 10.0 | 10.3 | 12.3 | 12.1 | 13.0 | 11.5 | 7.5以上 |
| pH | - | 7.9 | 8.1 | 8.3 | 7.9 | 7.9 | 8.3 | 8.3 | 7.9 | 8.1 | 7.9 | 7.9 | 7.7 | 6.5~8.5 |
| BOD | mg/L | 1.1 | 0.7 | 0.5 | 0.3 | 0.4 | 0.1 | 0.4 | 0.5 | 0.5 | 0.6 | 0.6 | 0.2 | 2以下 |
| COD | mg/L | 3.6 | 3.6 | 3.6 | 3.2 | 4.0 | 3.1 | 2.1 | 1.6 | 2.1 | 2.4 | 1.9 | 3.7 | |
| SS | mg/L | 5.3 | 2.4 | 1.8 | 4.3 | 2.3 | 2.3 | 1.4 | 1.1 | 13.0 | 2.0 | 0.3 | 4.6 | 25以下 |
| 大腸菌群数 | MPN/100ml | 790 | 2,800 | 2,300 | 7,000 | 4,900 | 7,000 | 1,700 | 1,100 | 330 | 230 | 33 | 330 | 1000以下 |
| 総窒素 | mg/L | 0.78 | 0.77 | 0.70 | 0.74 | 0.47 | 0.68 | 0.59 | 0.62 | 0.58 | 1.11 | 0.94 | 1.38 | |
| 総リン | mg/L | 0.079 | 0.099 | 0.150 | 0.129 | 0.124 | 0.092 | 0.044 | 0.041 | 0.043 | 0.064 | 0.053 | 0.097 | |
| クロロフィルa | mg/m3 | 5.2 | <0.2 | 0.2 | 0.6 | <0.2 | <0.2 | <0.2 | <0.2 | <0.2 | 2.9 | 0.8 | 2.8 | |

放流地点_ダム直下

| 調査項目 | 単位 | H29.4.11 | H29.5.11 | H29.6.6 | H29.7.11 | H29.8.15 | H29.9.14 | H29.10.11 | H29.11.7 | H29.12.5 | H30.1.23 | H30.2.6 | H30.3.6 | 環境基準 (河川A類型) |
|---------|-----------|----------|----------|---------|----------|----------|----------|-----------|----------|----------|----------|---------|---------|-----------------|
| 水温 | ℃ | 9.6 | 13.9 | 18.1 | 22.6 | 26.4 | 25.5 | 21.7 | 15.6 | 12.5 | 7.7 | 6.5 | 8.4 | |
| 濁度 | 度 | 3.2 | 2.6 | 2.8 | 2.6 | 2.5 | 2.4 | 2.4 | 3.9 | 2.9 | 1.9 | 2.2 | 3.4 | |
| DO | mg/L | 11.4 | 11.5 | 9.9 | 9.4 | 7.8 | 9.9 | 9.2 | 10.3 | 11.3 | 12.0 | 12.4 | 12.7 | 7.5以上 |
| pH | - | 7.9 | 8.0 | 7.7 | 7.7 | 7.6 | 7.7 | 7.6 | 7.7 | 7.5 | 7.4 | 7.4 | 8.0 | 6.5~8.5 |
| BOD | mg/L | 1.5 | 0.7 | 0.6 | 0.4 | 0.6 | 0.3 | 0.4 | 0.6 | 0.2 | 0.5 | 0.3 | 0.6 | 2以下 |
| COD | mg/L | 3.1 | 3.1 | 3.1 | 2.5 | 3.9 | 3.0 | 3.5 | 2.7 | 2.5 | 2.3 | 2.0 | 2.8 | |
| SS | mg/L | 3.4 | 2.9 | 2.6 | 2.2 | 2.6 | 3.6 | 2.9 | 3.5 | 2.6 | 1.8 | 1.7 | 2.4 | 25以下 |
| 大腸菌群数 | MPN/100ml | 7 | 23 | 1,300 | 1,300 | 170 | 490 | 170 | 490 | 33 | 33 | 49 | 23 | 1000以下 |
| 総窒素 | mg/L | 0.48 | 0.47 | 0.47 | 0.61 | 0.59 | 0.41 | 0.59 | 0.60 | 0.59 | 0.72 | 0.74 | 0.65 | |
| 総リン | mg/L | 0.026 | 0.038 | 0.026 | 0.056 | 0.064 | 0.033 | 0.030 | 0.047 | 0.037 | 0.033 | 0.033 | 0.033 | |
| クロロフィルa | mg/m3 | 21.7 | 0.4 | 0.6 | 0.4 | 0.5 | 0.9 | <0.2 | <0.2 | <0.2 | 1.7 | 1.1 | 12.2 | |