

Tuesday 18 November 2003



ENVIRONMENT
AGENCY



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SE

What's in Your Backyard

Data Search



River Quality

Search Parameters:

Location - Grid Reference, Grid Reference - X: 267882 Y: 197695, Within - 1000m, Topic - Chemistry, Classification - All, Year - All

TAWE - Beaufort Weir-BSC Velindre O.f Ynysf.

River Quality Target



River Quality Grade



Chemistry



Chemistry

Biology

Nitrate

Phosphate

Aesthetics

1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002

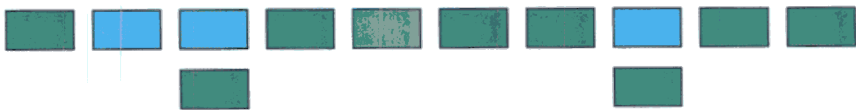


NANT-Y-FENDROD - Conf Trib Llansamlet-Llansamlet P.S.

River Quality Target



River Quality Grade



Chemistry



Chemistry

Biology

Nitrate

Phosphate

Aesthetics

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Data Search



River Quality

River Details:

River Name: TAWE
Stretch Name: BSC Velindre O.f Ynysf.-Conf.Lwr Clydach
Upstream Grid Reference: X: 268800, Y: 201200
Downstream Grid Reference: X: 267600, Y: 199000
Stretch Length: 3.3 km
Year: 2000



Sampling Results:

	Observed	Expected	Observed/Expected	Probability Grade %	Season Code	Grade
NTAXA	27	30.6	0.88	86	5	A
ASPT	6.33	6.15	1.03	79	5	A
Overall				69		A

UK online

defra



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Stretch Name: BSC Velindre O.f Ynysf.-Conf.Lwr Clydach
Upstream Grid Reference: X: 268800, Y: 201200
Downstream Grid Reference: X: 267600, Y: 199000
Stretch Length: 3.3 km
Year: 2000



Sampling Results:

	Average	Standard Deviation	Percentile 90	Percentile 10	Number of Samples	Grades
Biochemical Oxygen Demand (mg/l)	1.31	0.8	2.3		57	A
Ammonia (mgN/l)	0.05	0.03	0.09		57	A
Dissolved Oxygen (Percentage Saturation)	101.19	12.51		85.16	55	A



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River Quality Targets

River Details:

River Name: TAWE
Stretch Name: BSC Velindre O/f Ynysf.-Conf.Lwr Clydach
Upstream Grid Reference: X: 268800, Y: 201200
Downstream Grid Reference: X: 267600, Y: 199000
Stretch Length: 3.3 km
Year: 2001



Sampling Results:

	Average	Standard Deviation	Percentile 95	Percentile 90	Percentile 10	No. of Samples	Compliance
Biochemical Oxygen demand (mg/l)	1.26	0.61	-	1.78	-	44	Compliant
Ammonia (mgN/l)	0.06	0.04		0.1		44	Compliant
Dissolved Oxygen (% Saturation)	101.62	13.78			88.18	42	Compliant
Un-ionised Ammonia (mgN/l)	0	0	0			36	Compliant
pH	7.78	0.36	Acid 7.3 Alkaline 8.25			45	Acid Compliant Alkaline Compliant
Hardness (mg/l CaCO₃)							
Dissolved Copper (ug/l)	2.04	0.94	3.3			45	Compliant
Total Zinc (ug/l)	14.7	9.12	26.44			45	Compliant



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River Quality

River Details:

River Name: Tawe
Stretch Name: BSC Velindre O.f Ynysf.-Conf.Lwr Clydach
Upstream Grid Reference: X: 268800, Y: 201200
Downstream Grid Reference: X: 267600, Y: 199000
Stretch Length: 3.3 km
Year: 2001



Sampling Results:

	Average	Standard Deviation	Percentile 90	Percentile 10	Number of Samples	Grades
Biochemical Oxygen Demand (mg/l)	1.27	0.6	2.04		44	A
Ammonia (mgN/l)	0.07	0.04	0.11		44	A
Dissolved Oxygen (Percentage Saturation)	101.62	13.78		83.96	42	A



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River Quality

River Details:

River Name: TAWE
Stretch Name: BSC Velindre O.f Ynysf.-Conf.Lwr Clydach
Upstream Grid Reference: X: 268800, Y: 201200
Downstream Grid Reference: X: 267600, Y: 199000
Stretch Length: 3.3 km
Year: 2002



Sampling Results:

	Average	Standard Deviation	Percentile 90	Percentile 10	Number of Samples	Grades
Biochemical Oxygen Demand (mg/l)	1.28	0.56	2.01		39	A
Ammonia (mgN/l)	0.06	0.04	0.11		39	A
Dissolved Oxygen (Percentage Saturation)	97.84	11.67		82.88	38	A



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1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002



NANT-Y-FENDROD - Llansamlet PS - Confl Nant Bran

River Quality Target



River Quality Grade



Chemistry



Chemistry

Biology

Nitrate

Phosphate

Aesthetics

1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002

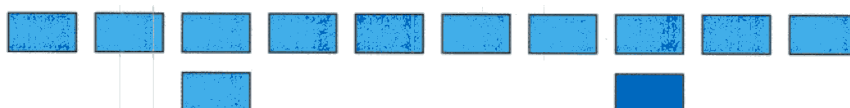


NANT-Y-FENDROD - Confl Nant Bran - Above Ynys Allan

River Quality Target



River Quality Grade



Chemistry



Chemistry

Biology





































Nitrate

Phosphate

Aesthetics

1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002



RQO	 Grade 1	 Grade 2	 Grade 3	 Grade 4	 Grade 5	 Pass	 Marginal	 Fail
Chemistry	 Very Good	 Good	 Fairly Good	 Fair	 Poor	 Ba		
Biology	 Very Good	 Good	 Fairly Good	 Fair	 Poor	 Ba		
Nitrate	 Very High	 High	 Moderate	 Moderately low	 Low	 Ve		
Phosphate	 Excessively High	 Very High	 High	 Moderate	 Low	 Ve		
Aesthetics	 Good	 Fair	 Poor	 Bad				