

Alltŵyd

		sediment grade											
cumulative sediment output from the reach at time step		1	2	3	4	5	total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance
6		380.69	76.04	13.38	821.98	227.23	1519.31	1519.31	24308.99	0.00	-1519.30	-1519.30	-0.01
12		1877.50	820.34	77.64	1332.90	3202.70	7311.08	5791.77	92688.29	0.00	-7311.00	-5791.70	-0.07
18		7941.00	2515.80	204.24	2283.30	5353.40	18297.74	10986.66	175786.56	0.00	-18298.00	-10987.00	0.34
24		10833.00	3540.30	394.37	3065.70	7637.20	25470.57	7172.83	114765.28	0.00	-25471.00	-7173.00	0.17
30		11602.00	3745.40	461.40	3149.90	8300.10	27258.80	1788.23	28611.68	0.00	-27259.00	-1788.00	-0.23
36		11602.00	3745.40	461.40	3149.90	8300.10	27258.80	0.00	0.00	0.00	-27259.00	0.00	0.00
fraction		0.426	0.137	0.017	0.116	0.304							

Gwynfynydd

		sediment grade												
cumulative sediment output from the reach at time step		1	2	3	4	5	total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance	
6		111.09	18.34	7.25	0.00	0.00	136.67	136.67	2186.77	1519.31	1382.90	1382.90	-0.26	
12		5619.10	952.28	87.03	312.41	0.00	6970.82	6834.15	109346.36	5791.77	341.61	-1041.29	-1.09	
18		12373.00	3221.10	260.89	1143.50	0.00	16998.49	10027.67	160442.70	10986.66	1302.30	960.69	-1.70	
24		16389.00	4450.40	407.77	1741.50	0.00	22988.67	5990.18	95842.88	7172.83	2487.10	1184.80	-2.15	
30		17175.00	4684.20	477.42	1853.50	0.00	24190.12	1201.45	19223.20	1788.23	3074.10	587.00	-0.22	
36		17321.00	4729.00	502.60	1855.00	0.00	24407.60	217.48	3479.68	0.00	2856.30	-217.80	0.32	
fraction		0.710	0.194	0.021	0.076	0.000								

Oernant

		sediment grade												
cumulative sediment output from the reach at time step		1	2	3	4	5	total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance	
6		134.38	50.32	3.61	0.85	0.00	189.16	189.16	3026.51	0.00	-189.16	-189.16	0.00	
12		2831.40	1096.20	53.34	190.22	0.00	4171.16	3982.00	63712.07	0.00	-4171.20	-3982.04	0.04	
18		5098.80	1985.50	95.20	339.42	0.00	7518.92	3347.76	53564.11	0.00	-7518.90	-3347.70	-0.06	
24		5308.90	2055.50	102.05	339.76	0.00	7806.21	287.29	4596.67	0.00	-7806.30	-287.40	0.11	
30		5308.90	2055.50	102.05	339.76	0.00	7806.21	0.00	0.00	0.00	-7806.30	0.00	0.00	
36		5308.90	2055.50	102.05	339.76	0.00	7806.21	0.00	0.00	0.00	-7806.30	0.00	0.00	
fraction		0.680	0.263	0.013	0.044	0.000								

Table 1: Sediment transport for Mawddach sub-catchments, 3 July 2001

Pistyll Cain

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance
	1	2	3	4	5							
6	51.63	0.90	8.89	75.82	0.00	137.23	2195.72	189.16	51.96	51.96	51.96	-0.04
12	9236.40	675.41	127.77	1289.10	0.00	11328.68	11191.45	3982.00	-7156.80	-7208.76	-7208.76	-0.68
18	12538.00	3377.40	276.19	2859.70	0.00	19051.29	7722.61	3347.76	-11531.00	-4374.20	-4374.20	-0.65
24	13189.00	4014.70	366.93	3728.70	0.00	21299.33	2248.04	287.29	-13491.00	-1960.00	-1960.00	-0.75
30	13217.00	4066.10	394.68	3961.40	0.00	21639.18	339.85	0.00	-13831.00	-340.00	-340.00	0.15
36	13223.00	4071.20	402.91	4003.80	0.00	21700.91	61.73	0.00	-13894.00	-63.00	-63.00	1.27
fraction	0.609	0.188	0.019	0.184	0.000							

Sediment entering Ganllwyd reach

Total	30544.00	8800.20	905.51	5858.80	0.00	46108.51
Fraction	0.662	0.191	0.020	0.127	0.000	

Ganllwyd

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance
	1	2	3	4	5							
6	1943.80	554.88	28.91	148.51	0.00	2676.10	42817.60	273.91	-2402.20	-2402.20	-2402.20	0.01
12	5490.30	2097.00	62.33	329.46	0.00	7979.09	84847.87	9773.77	2070.50	4472.70	4472.70	-1.92
18	10581.00	4928.00	106.53	672.75	0.00	16288.28	8309.19	14334.42	8098.70	6028.20	6028.20	-2.97
24	16077.00	7147.70	169.47	1201.70	0.00	24595.87	132921.44	7460.12	7252.60	-846.10	-846.10	-1.37
30	18510.00	8006.60	232.62	1498.60	0.00	28247.82	3651.95	1788.23	5388.30	-1864.30	-1864.30	0.58
36	19408.00	8284.30	260.18	1548.20	0.00	29500.68	1252.86	0.00	4135.80	-1252.50	-1252.50	-0.36
fraction	0.658	0.281	0.009	0.052	0.000							

Eden

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance
	1	2	3	4	5							
6	390.28	94.78	21.26	23.59	0.00	529.91	8478.50	0.00	-529.90	-529.90	-529.90	-0.01
12	2199.10	485.21	97.74	157.98	0.00	2940.03	38562.02	0.00	-2940.00	-2410.10	-2410.10	-0.03
18	2632.20	590.06	121.48	158.44	0.00	3502.18	8994.37	0.00	-3502.20	-562.20	-562.20	0.05
24	2713.30	610.67	125.69	158.44	0.00	3608.10	1694.72	0.00	-3608.10	-105.90	-105.90	-0.02
30	2734.20	615.85	126.44	158.44	0.00	3634.93	429.28	0.00	-3635.00	-26.90	-26.90	0.07
36	2740.30	617.34	126.56	158.44	0.00	3642.64	7.71	0.00	-3642.70	-7.70	-7.70	-0.01
fraction	0.752	0.169	0.035	0.043	0.000							

Table 1: Sediment transport for Mawddach sub-catchments, 3 July 2001

Gamlan

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance
	1	2	3	4	5							
6	602.42	103.78	5.85	23.29	0.00	735.34	735.34	11765.50	0.00	-735.35	-735.35	0.01
12	5398.70	981.25	70.84	456.13	0.00	6906.92	6171.58	98745.24	0.00	-6906.90	-6171.55	-0.03
18	6087.40	1213.60	87.03	517.26	0.00	7905.29	998.37	15973.86	0.00	-7905.30	-998.40	0.03
24	7742.60	1307.10	95.86	538.56	0.00	9684.12	1778.83	28461.30	0.00	-9684.10	-1778.80	-0.03
30	7754.10	1311.00	96.60	538.56	0.00	9700.26	16.14	258.22	0.00	-9700.30	-16.20	0.06
36	7756.10	1311.70	96.62	538.56	0.00	9702.98	2.72	43.58	0.00	-9702.90	-2.60	-0.12
fraction	0.799	0.135	0.010	0.056	0.000							

Sediment entering Gelligemlyn reach

Total	22148.30	8901.64	386.74	1706.64	0.00	33143.32
Fraction	0.668	0.269	0.012	0.051	0.000	

Gelligemlyn

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance
	1	2	3	4	5							
6	0.25	0.15	0.00	0.00	0.00	0.40	0.40	63061.59	3941.35	3941.70	3941.70	-0.75
12	3350.30	1595.00	76.39	276.58	0.00	5298.27	5297.87	222155.13	13884.70	12531.00	8589.30	-2.47
18	6738.40	5424.50	214.87	1186.20	0.00	13563.97	8265.70	157915.23	9869.70	14137.00	1606.00	-2.00
24	11423.00	7090.40	339.73	1571.70	0.00	20424.83	6860.86	163077.46	10192.34	17470.00	3333.00	-1.52
30	14525.00	8001.70	438.35	1917.80	0.00	24882.85	4458.02	59118.70	3694.92	16708.00	-762.00	-1.10
36	15615.00	8182.80	474.88	1988.60	0.00	26261.28	1378.43	20212.70	1263.29	16593.00	-115.00	-0.14
fraction	0.595	0.312	0.018	0.076	0.000							

Afon Wen

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance
	1	2	3	4	5							
6	146.92	24.45	10.21	7.24	0.00	188.83	188.83	3021.22	0.00	-188.83	-188.83	0.00
12	3757.50	1312.90	194.09	1106.00	0.00	6370.49	6181.66	98906.62	0.00	-6370.50	-6181.67	0.01
18	6922.70	3169.90	486.92	2821.50	0.00	13401.02	7030.53	112488.48	0.00	-13401.00	-7030.50	-0.03
24	7604.80	3482.50	559.58	3174.90	0.00	14821.78	1420.76	22732.16	0.00	-14822.00	-1421.00	0.24
30	7604.80	3482.50	559.58	3174.90	0.00	14821.78	0.00	0.00	0.00	-14822.00	0.00	0.00
36	7604.80	3482.50	559.58	3174.90	0.00	14821.78	0.00	0.00	0.00	-14822.00	0.00	0.00
fraction	0.513	0.235	0.038	0.214	0.000							

Table 1: Sediment transport for Mawddach sub-catchments, 3 July 2001

Sediment entering Llanelltyd reach						
Total	23219.80	11665.30	1034.46	5163.50	0.00	41083.06
Fraction	0.565	0.284	0.025	0.126	0.000	

Llanelltyd

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 1.5 hour period	rate tonnes/day	entered reach in 1.5 hour period	cumulative deposition	deposition in 1.5 hour period	sediment balance
	1	2	3	4	5							
6	682.33	363.75	20.14	6.84	0.00	1073.06	1073.06	17168.95	189.23	-883.80	-883.80	-0.03
12	4340.60	3904.40	151.84	414.30	0.00	8811.14	7738.08	123809.29	11479.53	2859.90	3743.70	-2.25
18	9777.40	8938.70	340.39	943.24	0.00	19999.73	11188.59	179017.44	15296.23	6970.30	4110.40	-2.76
24	14096.00	13846.00	555.87	1409.60	0.00	29907.47	9907.74	158523.84	8281.62	5346.40	-1623.90	-2.22
30	17527.00	16856.00	729.83	1475.90	0.00	36588.73	6681.26	106900.16	4458.02	3122.70	-2223.70	0.46
36	19965.00	17856.00	820.15	1475.90	0.00	40117.05	3528.32	56453.12	1378.43	973.77	-2148.93	-0.96
fraction	0.498	0.445	0.020	0.037	0.000							

sediment output from the reach at time (hours)					
0	0	0	0	0	0
1.5	10917.28	5820	322.176	109.4944	0
3	58532.32	56650.4	2107.264	6519.3056	0
4.5	86988.8	80548.8	3016.8	8463.04	0
6	69097.6	78516.8	3447.68	7461.76	0
7.5	54896	48160	2783.36	1060.8	0
9	39008	16000	1445.12	0	0

Table 1: Sediment transport for Mawddach sub-catchments, 3 July 2001