

Drws y Nant

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	78.44	17.58	6.95	24.51	0.00	127.47	127.47	2039.59	0.00	-127.47	-127.47	0.00
12	568.54	158.42	40.90	440.36	0.00	1208.22	1080.75	17291.99	0.00	-1208.20	-1080.73	-0.02
18	755.75	303.49	80.62	820.36	0.00	1960.22	752.00	12031.97	0.00	-1960.20	-752.00	0.00
24	824.32	336.75	97.63	959.96	0.00	2218.66	258.44	4135.04	0.00	-2218.70	-258.50	0.06
30	824.32	336.75	97.63	959.96	0.00	2218.66	0.00	0.00	0.00	-2218.70	0.00	0.00
36	824.32	336.75	97.63	959.96	0.00	2218.66	0.00	0.00	0.00	-2218.70	0.00	0.00
fraction	0.372	0.152	0.044	0.433	0.000							

Pared yr Ychain

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	58.24	6.72	5.36	27.40	0.00	97.72	97.72	1563.46	0.00	-97.72	-97.72	0.00
12	240.93	83.09	31.05	314.42	0.00	669.49	571.78	9148.41	0.00	-669.49	-571.77	0.00
18	260.70	135.99	54.09	619.23	0.00	1070.01	400.52	6408.30	0.00	-1070.00	-400.51	-0.01
24	265.90	139.51	58.66	629.56	0.00	1093.63	23.62	377.87	0.00	-1093.60	-23.60	-0.02
30	274.67	140.50	60.88	629.56	0.00	1105.61	11.98	191.68	0.00	-1105.60	-12.00	0.02
36	283.22	141.44	62.94	629.56	0.00	1117.16	11.56	184.88	0.00	-1117.20	-11.60	0.05
fraction	0.254	0.127	0.056	0.564	0.000							

Craig y Benglog

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	17.18	2.31	0.92	0.29	0.00	20.71	20.71	331.39	0.00	-20.71	-20.71	0.00
12	193.12	116.31	28.27	336.46	0.00	674.16	653.45	10455.16	0.00	-674.16	-653.45	0.00
18	254.77	235.69	88.14	1230.20	0.00	1808.80	1134.64	18154.24	0.00	-1808.80	-1134.64	0.00
24	275.12	251.50	102.47	1341.40	0.00	1970.49	161.69	2587.06	0.00	-1970.40	-161.60	-0.09
30	276.50	253.03	104.74	1342.20	0.00	1976.47	5.98	95.68	0.00	-1976.50	-6.10	0.12
36	276.66	253.13	104.86	1342.20	0.00	1976.85	0.38	6.08	0.00	-1976.90	-0.40	0.02
fraction	0.140	0.128	0.053	0.679	0.000							

Table 2: Sediment transport for Wnion sub-catchments, 3 July 2001

Rhobell Fawr

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	41.68	5.67	3.80	7.87	0.00	59.02	944.39	0.00	-59.02	-59.02	0.00	0.00
12	161.68	138.02	81.55	906.07	0.00	1287.32	19652.70	0.00	-1287.30	-1287.30	-1228.28	-0.02
18	224.85	204.37	121.51	1549.80	0.00	2100.53	13011.39	0.00	-2100.60	-2100.60	-813.30	0.09
24	286.47	235.25	143.58	1728.60	0.00	2393.90	4693.92	0.00	-2393.90	-2393.90	-293.30	-0.07
30	298.55	236.92	146.90	1729.80	0.00	2412.17	18.27	0.00	-2412.20	-2412.20	-18.30	0.03
36	308.78	238.06	149.53	1729.80	0.00	2426.17	14.00	0.00	-2426.20	-2426.20	-14.00	0.00
fraction	0.127	0.098	0.062	0.713	0.000	2426.170	38818.72					

Sediment entering Craig y Ffynnon reach

time intervals	rate tonnes/day
6	4878.83
12	26440.40
18	18440.27
24	4512.91
30	191.68
36	184.88

Drws	2426.17
Pared	1976.85
Rhobell	1117.16
Benglog	2218.66
	7738.85

Total	1107.54	478.19	160.58	1589.52	0.00	3335.83
Fraction	0.332	0.143	0.048	0.476	0.000	

Craig y Ffynnon

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	103.51	14.35	0.97	0.00	0.00	118.84	1901.36	304.93	186.15	186.15	186.15	-0.06
12	15676.00	2456.40	47.05	302.19	0.00	18481.64	293804.92	3534.27	-14641.00	-14641.00	-14827.15	-1.39
18	33166.00	9401.20	143.92	1098.00	0.00	43809.12	405239.63	3100.37	-36869.00	-36869.00	-22228.00	0.89
24	35986.00	10889.00	177.71	1306.20	0.00	48358.91	72796.64	737.12	-40681.00	-40681.00	-3812.00	-0.67
30	36362.00	11025.00	182.34	1318.40	0.00	48887.74	8461.28	36.23	-41174.00	-41174.00	-493.00	0.40
36	36362.00	11025.00	182.34	1318.40	0.00	48887.74	0.00	25.93	-41148.00	-41148.00	26.00	-0.07
fraction	0.744	0.226	0.004	0.027	0.000	48887.74	0.00	7738.85				

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	740.84	37.93	5.74	14.73	0.00	799.24	12787.79	0.00	-799.24	-799.24	0.00	0.00
12	11270.00	1221.20	94.65	623.57	0.00	13209.42	12410.18	198562.89	0.00	-13210.00	-12410.76	0.58
18	17292.00	3941.20	267.67	1726.10	0.00	23226.97	10017.55	160280.83	0.00	-23226.00	-10016.00	-1.55
24	19258.00	4459.70	346.02	2132.00	0.00	26195.72	2968.75	47500.00	0.00	-26196.00	-2970.00	1.25
30	19535.00	4490.50	356.54	2148.40	0.00	26530.44	334.72	5355.52	0.00	-26531.00	-335.00	0.28
36	19550.00	4492.20	357.66	2148.40	0.00	26548.26	17.82	285.12	0.00	-26549.00	-18.00	0.18
fraction	0.736	0.169	0.013	0.081	0.000							

Sediment entering Lower Wnion reach

time intervals	rate tonnes/day
6	14689.16
12	492367.82
18	565520.46
24	120296.64
30	13816.80
36	285.12

Total	55912.00	15517.20	540.00	3466.80	0.00	75436.00
Fraction	0.741	0.206	0.007	0.046	0.000	

Lower Wnion

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	3297.10	662.45	32.55	552.65	0.00	4544.75	72715.95	918.07	-3626.50	-3626.50	-0.17	
12	7135.20	3096.20	95.56	1206.20	0.00	11533.16	6988.41	30772.99	20164.00	23790.50	-5.92	
18	9597.90	3310.50	118.75	1398.70	0.00	14425.85	2892.69	35345.03	52623.00	32459.00	-6.66	
24	10941.00	3406.60	132.58	1423.30	0.00	15903.48	1477.63	7518.54	58665.00	6042.00	-1.09	
30	11346.00	3435.10	138.16	1423.30	0.00	16342.56	439.08	863.55	59090.00	425.00	-0.53	
36	11530.00	3449.00	140.77	1423.30	0.00	16543.07	200.51	17.82	58907.00	-183.00	0.31	
fraction	0.697	0.208	0.009	0.086	0.000			75436.00				

sediment output from the reach at time (hours)

0	0	0	0	0	0	0
1.5	3297.10	662.45	32.55	552.65	0.00	0.00
3	3838.10	2433.75	63.01	653.55	0.00	0.00
4.5	2462.70	214.30	23.19	192.50	0.00	0.00
6	1343.10	96.10	13.83	24.60	0.00	0.00
7.5	405.00	28.50	5.58	0.00	0.00	0.00
9	184.00	13.90	2.61	0.00	0.00	0.00

Table 2: Sediment transport for Wnion sub-catchments, 3 July 2001