

Alit Lwyd

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	2982.20	716.16	172.06	2992.60	411.00	7274.02	14548.04	0.00	-7274.00	-7274.00	-0.02	
96	10057.00	3332.80	810.23	3104.60	411.00	17715.63	20883.22	0.00	-17715.00	-10441.00	-0.61	
144	13406.00	4867.10	1149.50	3118.50	411.00	22952.10	10472.94	0.00	-22952.00	-5237.00	0.53	
192	18297.00	7315.70	1637.40	3171.90	411.00	30833.00	7880.90	0.00	-30833.00	-7881.00	0.10	
fraction	0.593	0.237	0.053	0.103	0.013							

Gwynfynydd

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	9605.00	3618.20	619.38	1784.80	0.00	15627.38	31254.76	7274.02	-8352.00	-8352.00	-1.36	
96	12409.00	5773.00	1299.00	3355.90	0.00	22836.90	7209.52	10441.61	-5117.50	3234.50	-2.41	
144	16096.00	7304.90	1891.80	4520.50	0.00	29813.20	6976.30	5236.47	-6856.90	-1739.40	-0.43	
192	20216.00	9918.10	2839.30	6749.20	0.00	39722.60	9909.40	7880.90	-8883.20	-2026.30	-2.20	
fraction	0.509	0.250	0.071	0.170	0.000							

Oernant

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	4977.10	1768.10	136.19	60.24	0.00	6941.63	13883.26	0.00	-6941.70	-6941.70	0.07	
96	7566.10	3594.50	284.79	355.94	0.00	11801.33	4859.70	0.00	-11801.00	-4859.30	-0.40	
144	9685.50	4563.00	405.78	391.03	0.00	15045.31	6487.96	0.00	-15045.00	-3244.00	0.02	
192	12329.00	5895.60	602.08	391.08	0.00	19217.76	4172.45	0.00	-19217.00	-4172.00	-0.45	
fraction	0.642	0.307	0.031	0.020	0.000							

Table 3: Sediment transport for Mawddach sub-catchments, 3-4 February 2004

Pistyll Cain

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	6656.20	2888.40	785.69	5505.40	0.00	15835.69	31671.38	6941.63	-8892.70	-8892.70	-1.36	
96	11046.00	4460.20	1344.80	7768.20	0.00	24619.20	8783.51	4859.70	-12815.00	-3922.30	-1.51	
144	15731.00	6586.80	2002.60	9153.40	0.00	33473.80	8854.60	3243.98	-18426.00	-5611.00	0.38	
192	20452.00	8101.10	2706.10	10474.00	0.00	41733.20	8259.40	4172.45	-22512.00	-4086.00	-0.95	
fraction	0.490	0.194	0.065	0.251	0.000							

Sediment entering Ganllwyd reach

Total	40668.00	18019.20	5545.40	17223.20	0.00	81455.80
Fraction	0.499	0.221	0.068	0.211	0.000	1.000

Ganllwyd

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	16464.00	5758.40	281.77	1201.50	0.00	23705.67	47411.34	31463.07	7763.70	7763.70	-6.30	
96	24973.00	11423.00	755.26	2142.70	860.37	40154.33	32897.32	15993.03	7310.30	-453.40	-2.23	
144	30956.00	13831.00	1090.20	3183.70	860.37	49921.27	9766.94	15830.90	13378.00	6067.70	-3.74	
192	39377.00	19640.00	1469.10	4644.00	860.37	65990.47	16069.20	18168.80	15481.00	2103.00	-3.40	
fraction	0.597	0.298	0.022	0.070	0.013							

Eden

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	14038.00	2659.60	615.52	913.56	0.00	18226.68	36453.36	0.00	-18226.00	-18226.00	-0.68	
96	24660.00	5930.70	1581.90	3497.90	0.00	35670.50	34887.64	0.00	-35670.00	-17444.00	0.18	
144	33442.00	8620.80	2433.40	4923.00	0.00	49419.20	13748.70	0.00	-49419.00	-13749.00	0.30	
192	45127.00	12404.00	3415.00	8299.70	0.00	69245.70	19826.50	0.00	-69246.00	-19827.00	0.50	
fraction	0.652	0.179	0.049	0.120	0.000							

Table 3: Sediment transport for Mawddach sub-catchments, 3-4 February 2004

Gamlan

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	1.00	1.00	1.00	1.00	1.00	5.00	5.00	10.00	0.00	0.00	0.00	-5.00
96	1.00	1.00	1.00	1.00	1.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00
144	1.00	1.00	1.00	1.00	1.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00
192	1.00	1.00	1.00	1.00	1.00	5.00	5.00	0.00	0.00	0.00	0.00	0.00
fraction	0.200	0.200	0.200	0.200	0.200	0.200	0.200					

Sediment entering Gelligemlyn reach

Total	84504.00	32044.00	4884.10	12943.70	860.37	135236.17
Fraction	0.625	0.237	0.036	0.096	0.006	1.000

Gelligemlyn

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	17137.00	7129.00	777.73	3816.00	0.00	28859.73	28859.73	57719.46	41932.35	13080.00	13080.00	-7.38
96	45713.00	12639.00	2401.60	10218.00	0.00	70971.60	42111.87	84223.74	33892.48	4867.30	-8212.70	-6.69
144	74421.00	15582.00	3799.00	13023.00	0.00	106825.00	35853.40	71706.80	23515.64	-7465.50	-12332.80	-4.96
192	220180.00	23755.00	7769.30	17854.00	0.00	269558.30	162733.30	325466.60	35895.70	-134290.00	-126824.50	-13.10
fraction	0.817	0.088	0.029	0.066	0.000							

Afon Wen

cumulative sediment output from the reach at time step	sediment grade					total	tonnes exiting reach in 12 hour period	rate tonnes/day	entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
	1	2	3	4	5							
48	2976.70	1488.00	436.03	240.25	0.00	5140.98	5140.98	10281.96	0.00	-5141.00	-5141.00	0.02
96	5920.70	2673.20	767.34	893.32	0.00	10254.56	5113.58	10227.16	0.00	-10255.00	-5114.00	0.42
144	7758.30	3968.50	1130.10	1172.40	0.00	14029.30	3774.74	7549.48	0.00	-14029.00	-3774.00	-0.74
192	10736.00	6030.50	1848.60	1885.70	0.00	20500.80	6471.50	12943.00	0.00	-20501.00	-6472.00	0.50
fraction	0.524	0.294	0.090	0.092	0.000							

Table 3: Sediment transport for Mawddach sub-catchments, 3-4 February 2004

Sediment entering Llanelltyd reach		time intervals		rate	
		tonnes/day	tonnes/day	tonnes/day	tonnes/day
		48	68001.42	34000.71	
		96	94450.90	47225.45	
		144	79256.28	39628.14	
		192	338409.60	169204.80	
				290059.10	
Total	230916.00	29785.50	9617.90	19739.70	0.00
Fraction	0.796	0.103	0.033	0.068	0.000
					1.000

Llanelltyd		sediment grade					total	
cumulative sediment output from the reach at time step	fraction	1	2	3	4	5	tonnes exiting reach in 12 hour period	rate tonnes/day
		15890.00	11649.00	774.57	311.88	0.00		
40715.00	25987.00	1764.70	311.88	0.00	68778.58	80306.26		
62289.00	35114.00	2450.10	311.88	0.00	100164.98	62772.80		
98244.00	53249.00	3591.00	401.56	0.00	155485.56	110641.16		
	0.632	0.342	0.023	0.003				

entered reach in 12 hour period	cumulative deposition	deposition in 12 hour period	sediment balance
34000.71	5381.80	5381.80	-6.54
47225.45	12464.00	7082.20	-9.88
39628.14	20712.00	8248.00	-6.26
169204.80	134630.00	113918.00	-33.78

sediment output from the reach at time (hours)	0	12	24	36	48
	0	0	0	0	0
	331.04	242.69	16.14	6.50	0.00
	517.19	298.71	20.63	0.00	0.00
	449.46	190.15	14.28	0.00	0.00
	749.06	377.81	23.77	1.87	0.00

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