

Table S1. Simulated spatial distribution of Runoff, Evapotranspiration, and total water yield for 1986, 2001, and 2016 LULC scenarios.

Subbasin	1986 LULC			2001 LULC			2016 LULC		
	Runoff(mm)	ET (mm)	Water yield (mm)	Runoff(mm)	ET (mm)	Water yield(mm)	Runoff(mm)	ET (mm)	Water yield(mm)
1	60.63	635.91	198.02	70.22	617.58	215.15	63.20	633.93	199.57
2	51.98	598.61	200.91	70.37	563.61	236.59	57.10	587.20	212.81
3	294.52	587.41	689.98	327.05	588.04	688.51	327.02	590.36	685.72
4	54.44	730.21	100.60	77.33	699.38	131.94	83.57	687.07	142.31
5	427.51	581.06	985.77	443.09	579.66	986.89	476.65	582.21	983.99
6	33.32	699.92	139.65	45.38	691.81	148.21	43.96	685.46	155.71
7	154.05	823.14	452.40	195.52	800.04	475.48	209.12	790.78	484.67
8	110.92	816.38	453.93	160.43	804.50	465.91	173.70	787.01	483.34
9	225.73	617.84	571.57	258.48	605.59	583.31	281.48	600.65	588.69
10	224.34	783.11	489.53	259.87	744.06	528.26	291.52	702.71	569.32
11	250.82	649.52	536.75	258.90	645.09	540.62	296.83	636.86	549.33
12	196.64	625.73	564.01	208.31	614.16	575.59	238.94	605.06	584.61
13	219.52	841.70	430.29	243.12	816.69	454.97	274.34	787.32	484.02
14	189.54	736.17	244.48	185.86	734.47	245.68	199.85	730.24	253.51
15	94.52	968.37	298.23	159.50	895.00	370.45	182.64	856.14	409.33
16	162.41	765.53	221.47	188.09	739.57	246.39	197.26	738.98	250.14
17	61.49	614.57	66.80	61.58	610.59	66.91	64.65	612.39	70.28
18	35.95	630.46	48.44	38.00	629.84	50.68	41.18	628.88	54.89
19	38.56	626.68	52.85	38.17	625.26	52.22	40.77	626.34	56.32
20	7.75	586.79	11.35	7.53	586.71	11.30	9.72	585.43	13.93
21	42.82	623.36	55.72	42.82	620.37	57.19	49.56	622.07	61.23
Average	139.87	692.50	324.42	159.03	676.76	339.63	171.57	670.34	347.32