


SUPPLEMENTARY MATERIAL

Methodology for creating surface water database using GIS tools and remote sensing

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Table S1. The distances from the measured points, obtained using the GPS receiver, to the line determined from aerial imagery and UAV images

No	X	Y	Distance of the GPS point from the line determined from	
			aerial imagery	UAV imagery
1	5553662.3240	6587091.9930	0.20123473581	0.61120941410
2	5553662.3270	6587091.9710	0.22340259726	0.58918978673
3	5553686.1510	6587094.2920	1.35950727815	2.07412499404
4	5553713.1050	6587067.2010	2.92393379020	3.24197553216
5	5553721.9260	6587044.2420	2.84521831154	3.97735801300
6	5553653.0730	6587091.7100	0.24468030310	0.39026633416
7	5554854.3470	6587100.8930	0.35596994974	0.19725880052
8	5554755.5080	6587085.6840	0.37687069952	0.43301925788
9	5554912.2290	6587108.4610	0.08891688128	0.04516403421
10	5554955.8490	6587106.4790	1.48677535474	2.47426261953
11	5555727.5200	6585817.5230	2.77874144754	1.71913735639
12	5555711.9850	6585831.1430	6.36562417398	4.84815567378
13	5555711.2750	6585890.7730	0.69380229373	1.47682472104
14	5555697.5570	6585935.5130	4.94803593652	3.18517533876
15	5555678.6000	6585977.7690	0.39531537535	0.30010402643
16	5555680.9010	6585986.4630	0.18469115902	1.16614456089
17	5555687.3960	6585998.6640	3.91787638830	3.38646075770
18	5555755.0850	6585797.8010	4.77991842586	3.80750225173
19	5553631.0354	6587091.0778	0.16705608049	0.47832405239
20	5553597.6801	6587094.1407	0.82979868294	0.83749625632
21	5553565.6094	6587099.7812	0.84969382634	0.60206937165
22	5553549.1327	6587120.8339	1.08993086869	0.11473010311
23	5553533.5209	6587164.4437	1.21307440569	1.69010130833
24	5553515.0806	6587228.2676	2.00632118934	1.48428215329
25	5553490.7273	6587313.5387	1.69091614127	1.05099721187

continue Tab. S1

No	X	Y	Distance of the GPS point from the line determined from	
			aerial imagery	UAV imagery
26	5553460.9580	6587419.8051	1.18033018455	0.27592336952
27	5553477.3579	6587362.1554	1.08074277965	0.41587973953
28	5553444.4476	6587458.6399	1.08050917238	0.58891686599
29	5553409.7457	6587495.5614	1.27261485667	0.12798261565
30	5553373.3508	6587530.0708	1.01081128972	0.05102895381
31	5553342.2554	6587560.4140	0.41149089872	1.12897692129
32	5553316.0771	6587581.5558	3.14377384887	1.82133974934
33	5553300.4576	6587616.8566	2.65135737292	1.76841489041
34	5553295.8684	6587670.9995	1.53467329132	2.01262285992
35	5553297.0140	6587733.1934	0.64178147057	0.21846785248
36	5553296.2717	6587794.4748	0.75140323050	0.72777181835
37	5553296.8354	6587813.2238	0.30973076970	0.35170007331
38	5553176.3561	6588051.7690	0.18380912995	0.55485449285
39	5553170.9389	6588058.2142	1.22971799893	1.90816198374
40	5554994.3451	6587106.4858	0.61276807592	0.54403990244
41	5555028.7390	6587105.3119	0.58972287695	0.68233765549
42	5555045.3585	6587103.6421	0.65729132994	0.64137737006
43	5555053.2452	6587098.2304	1.56409946928	0.06006766963
44	5555067.4833	6587062.8263	0.42401330593	0.06154681054
45	5555075.8673	6587040.5248	0.58260147118	0.06338715582
46	5555089.5262	6586997.8929	1.35501815801	2.09386247506
47	5555115.4572	6586952.9630	2.99398821416	2.27722926894
48	5555121.9778	6586938.5733	0.72520992772	0.67550889887
49	5555680.6777	6586026.3729	1.76458335455	2.03021234630
50	5555673.2435	6586060.9894	1.82312584075	2.16272172264
51	5555668.7313	6586084.4511	0.34458405986	2.13136738382
52	5555669.6648	6586107.1519	0.07921604258	0.23351891460
53	5555671.3579	6586129.5683	0.33592788335	0.35176127483
54	5555673.0572	6586152.4489	1.18634532812	1.26309929097

Source: own study.