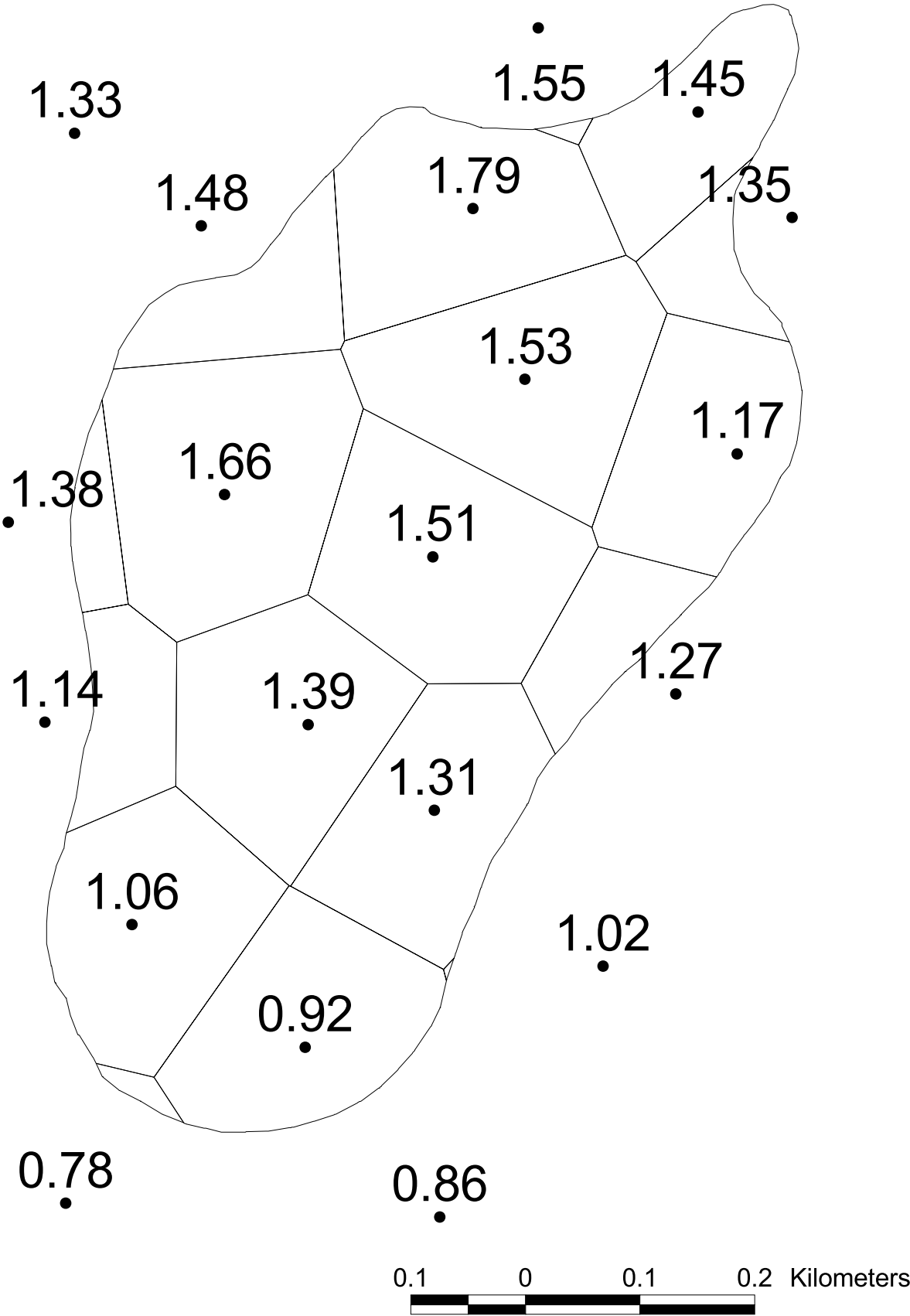


Theissen Polygon Exercise - Key Using ArcView



Theissen Polygon Problem - Answer Key

Poly_Perim_km	Poly_Area_sqkm	Poly_area_sqm	Percent_Total_Area	Rainfall_in	Rainfall_m	Poly_rain_vol_cu_m	EUD (%area x rainfall)
0.624	0.02193	21925.17416	5.52	1.45	0.0368	807.71	0.08
0.118	0.00051	512.81481	0.13	1.55	0.0394	20.19	0.00
0.478	0.00851	8511.02736	2.14	1.35	0.0343	291.92	0.03
0.754	0.03495	34950.87157	8.81	1.79	0.0455	1589.48	0.16
0.804	0.03822	38216.17980	9.63	1.53	0.0389	1485.54	0.15
0.659	0.02828	28276.75314	7.12	1.17	0.0297	840.54	0.08
0.632	0.01645	16451.72238	4.14	1.48	0.0376	618.61	0.06
0.76	0.03780	37798.76376	9.52	1.51	0.0384	1450.11	0.14
0.522	0.01330	13301.49987	3.35	1.27	0.0323	429.19	0.04
0.807	0.04378	43783.15617	11.03	1.66	0.0422	1846.55	0.18
0.411	0.00577	5770.23275	1.45	1.38	0.0351	202.31	0.02
0.52	0.01321	13206.36860	3.33	1.14	0.0290	382.50	0.04
0.723	0.03442	34417.16183	8.67	1.39	0.0353	1215.44	0.12
0.729	0.03156	31559.00730	7.95	1.31	0.0333	1050.36	0.10
0.044	0.00005	51.94740	0.01	1.02	0.0259	1.35	0.00
0.706	0.03361	33611.41982	8.47	1.06	0.0269	905.19	0.09
0.708	0.03327	33272.02980	8.38	0.92	0.0234	777.70	0.08
0.194	0.00129	1294.60432	0.33	0.78	0.0198	25.66	0.00
0.3969			100			EUD	1.382

Total Rain Vol. Input (cu. m)	13940.3
Total Drainage Area (sq m)	396910.7
Avg. Rainfall Depth (mm)	35.12
Avg. Rainfall Depth (in)	1.38