



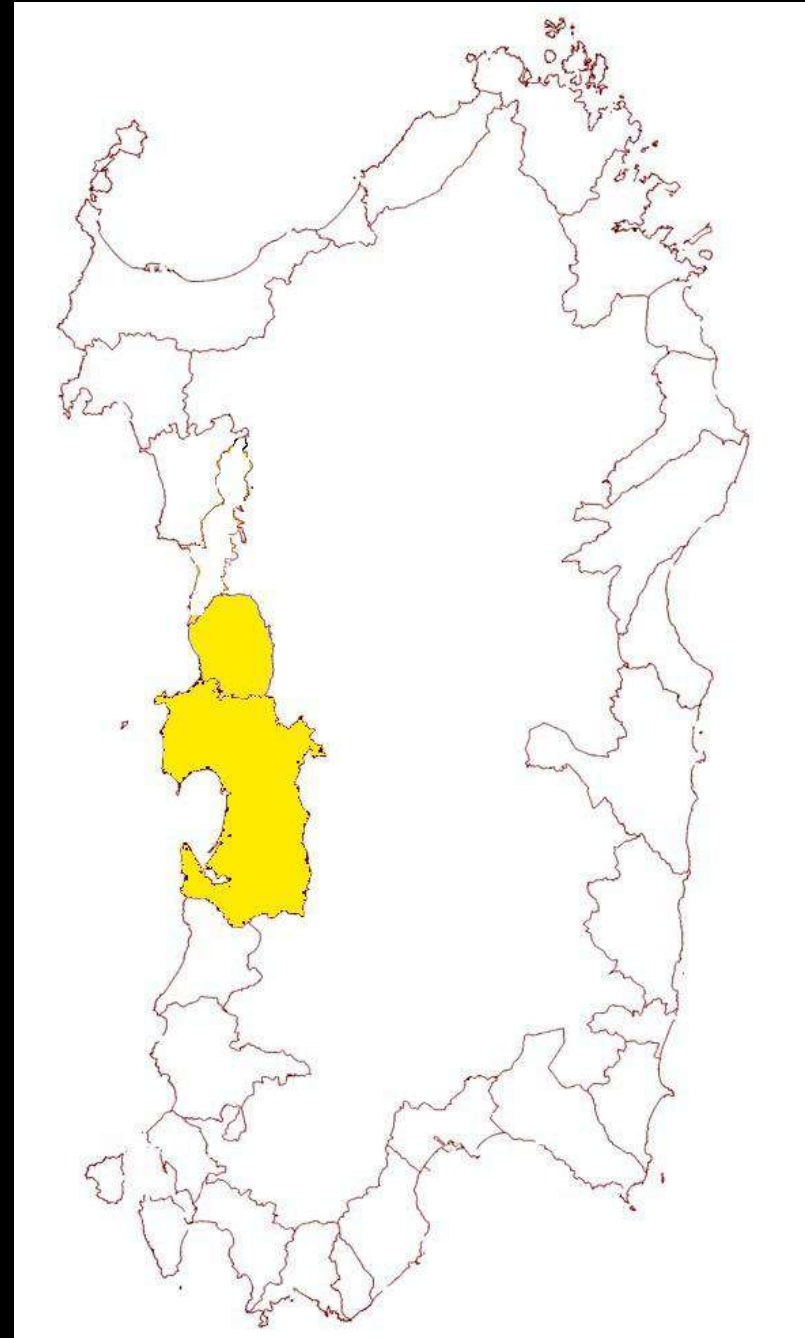
UNISS
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DEGLI STUDI
DI SASSARI



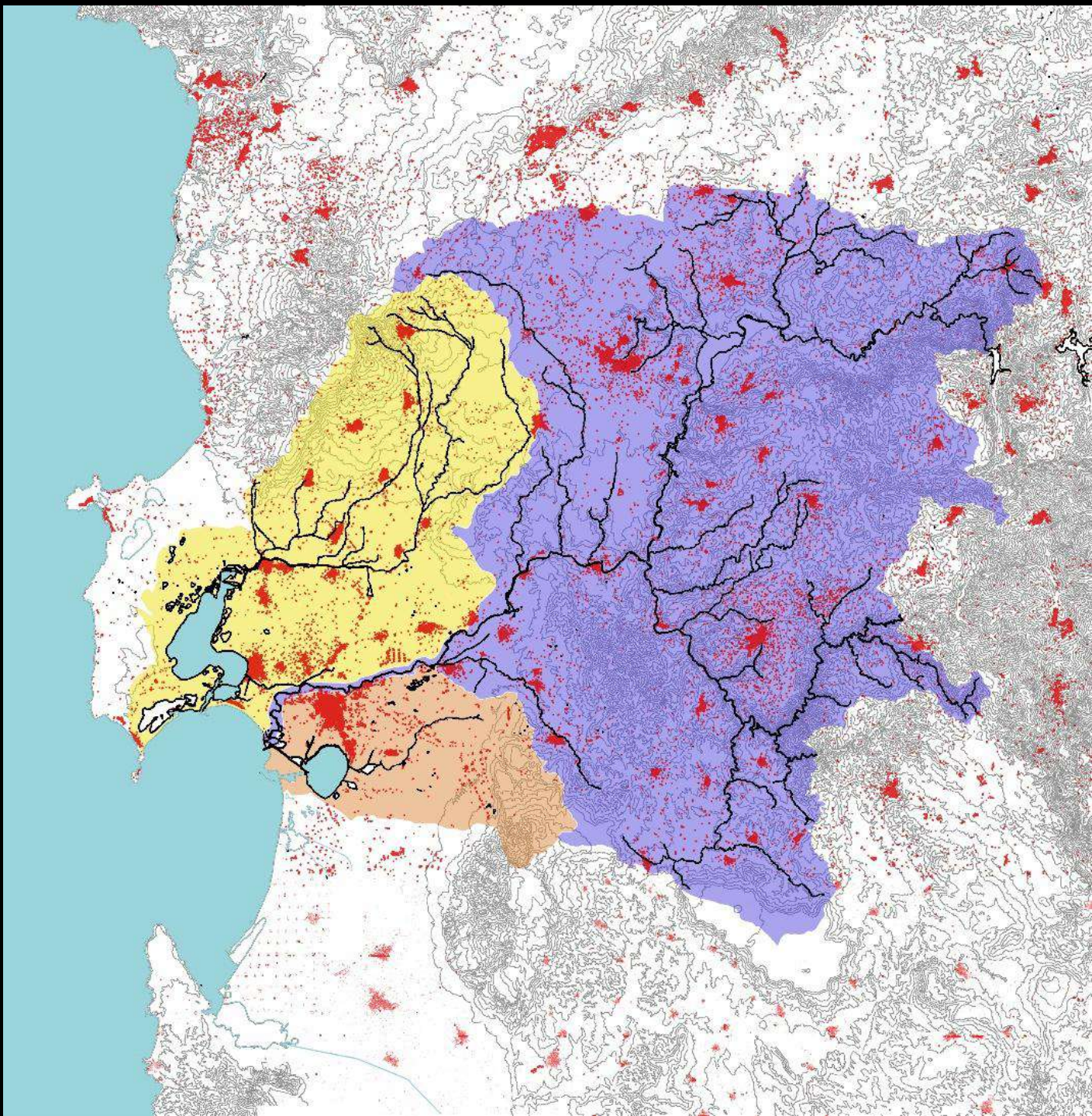
VULNERABILITÀ E PROGETTI DI TERRITORIO

Giovanni Maria Biddau, Gianfranco Sanna, Andrea Sulis

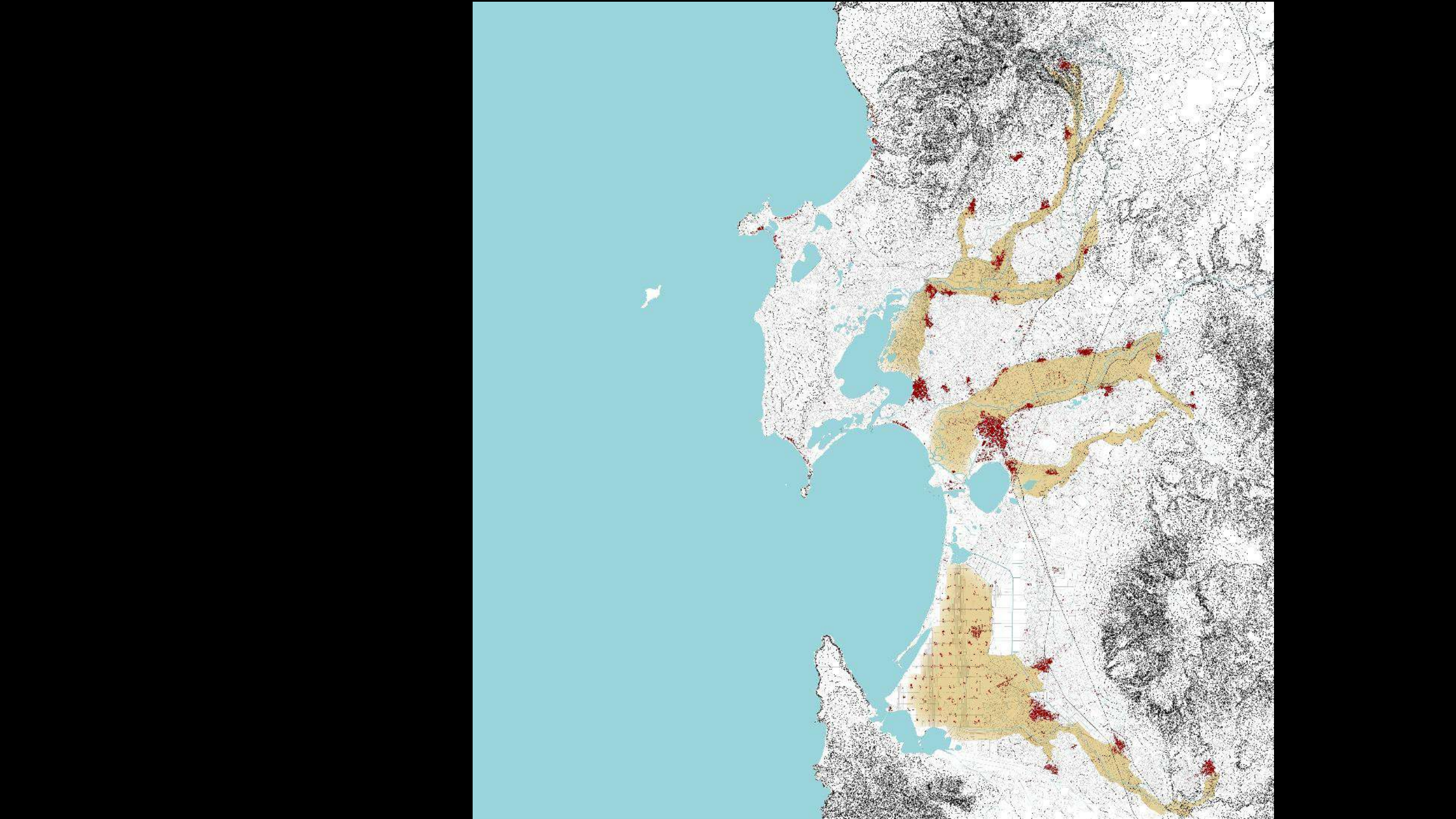




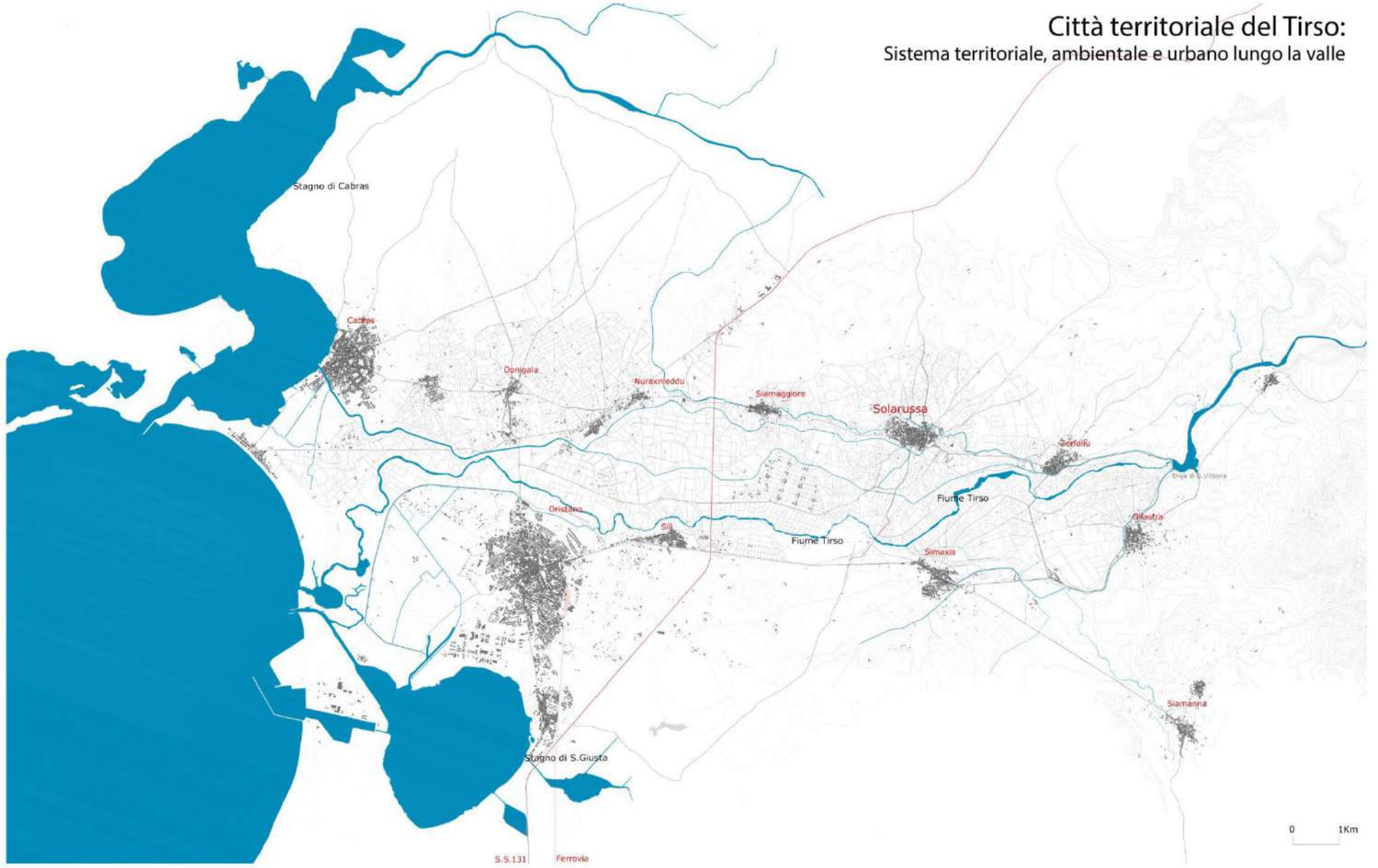
Ambiti di paesaggio, PPR, 2006. Regione Autonoma della Sardegna







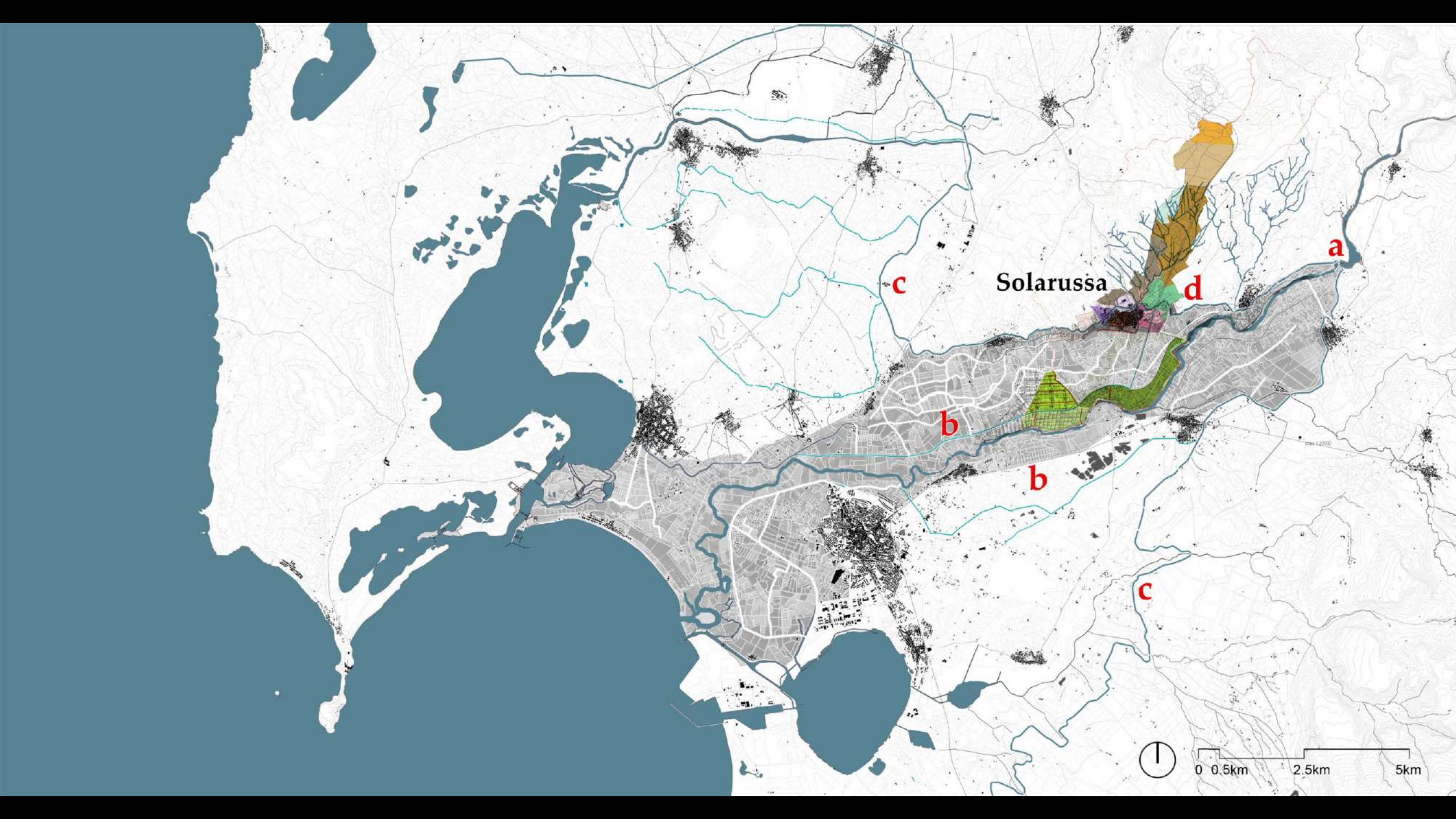
Città territoriale del Tirso:
Sistema territoriale, ambientale e urbano lungo la valle

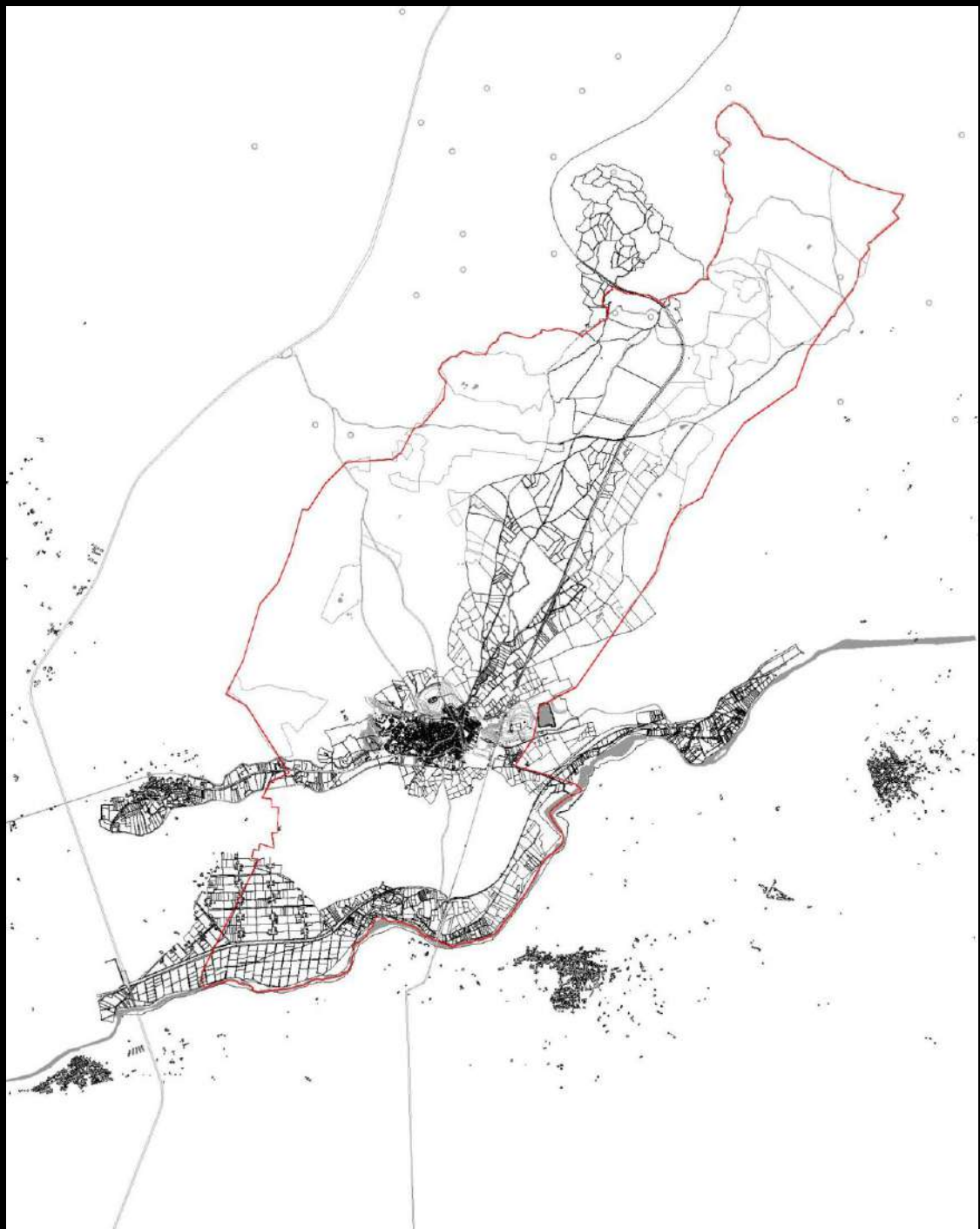


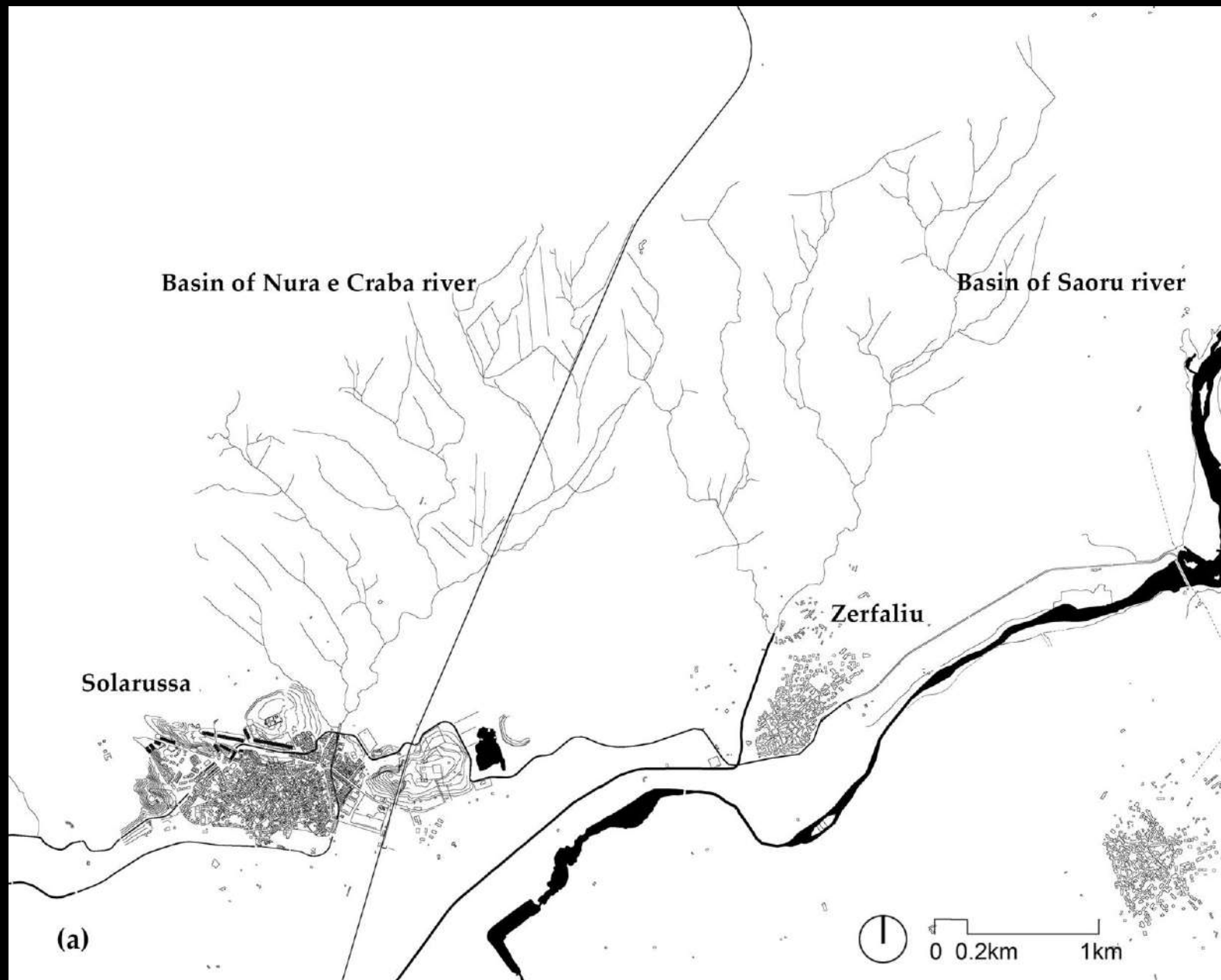




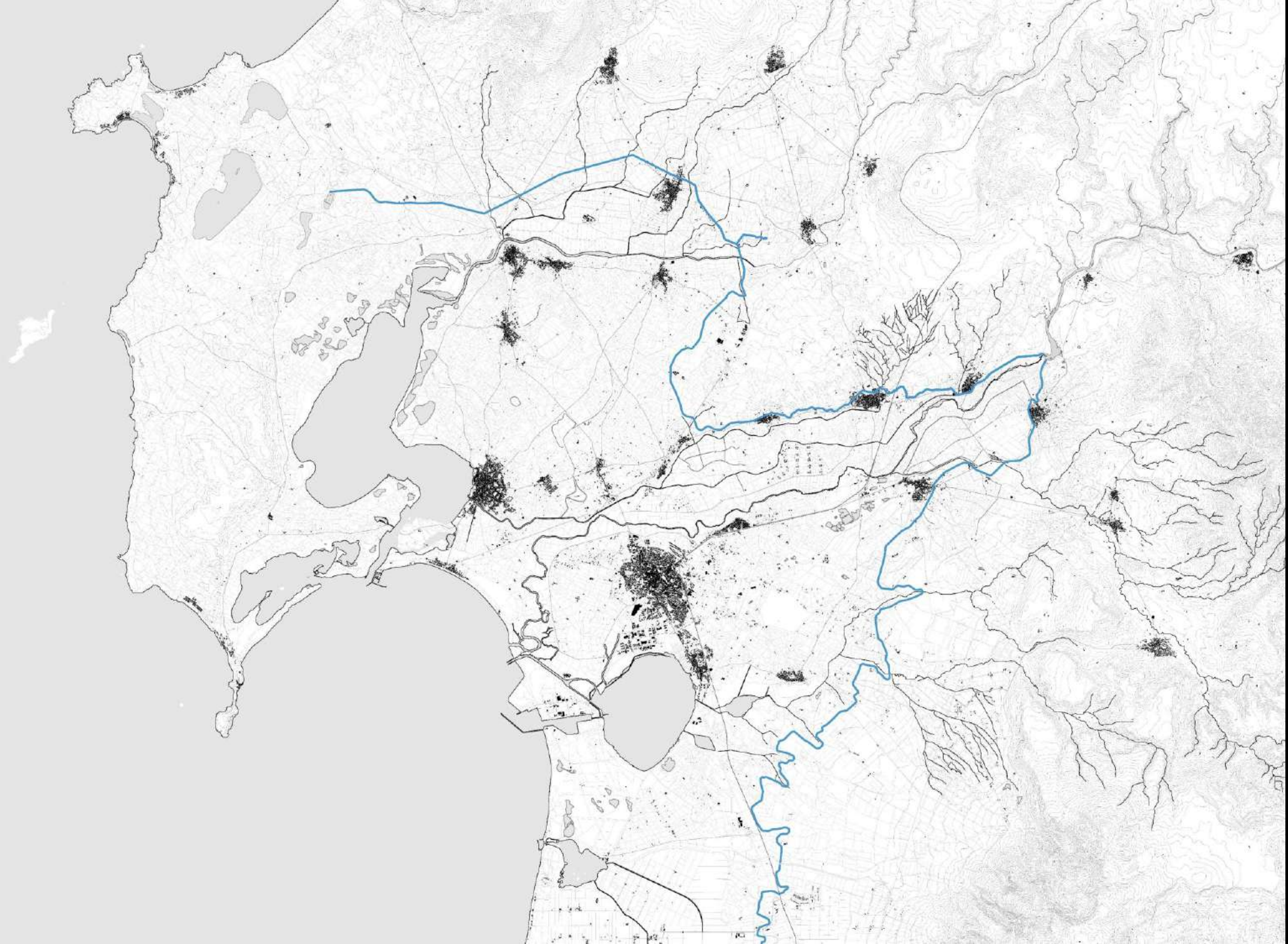


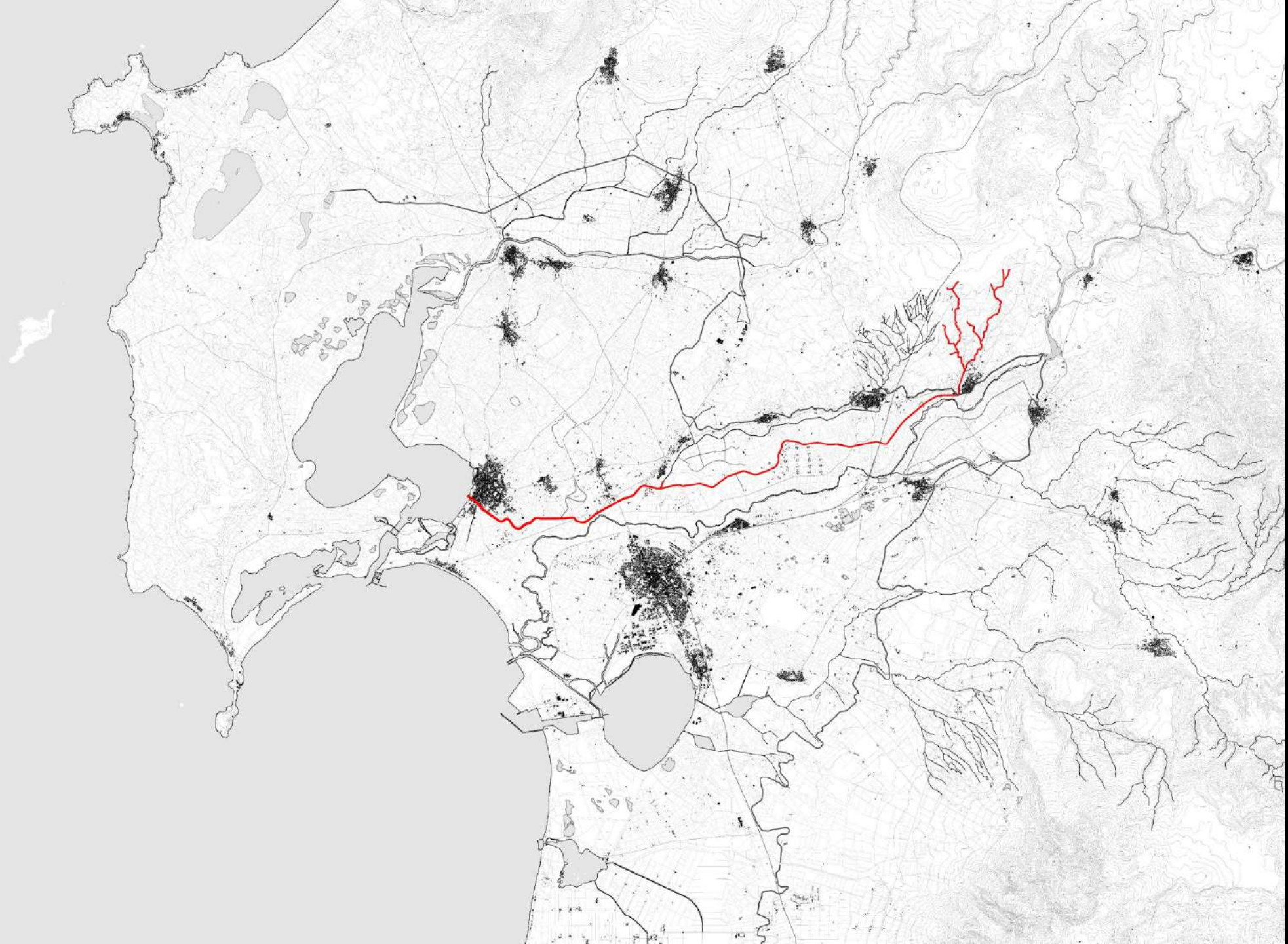


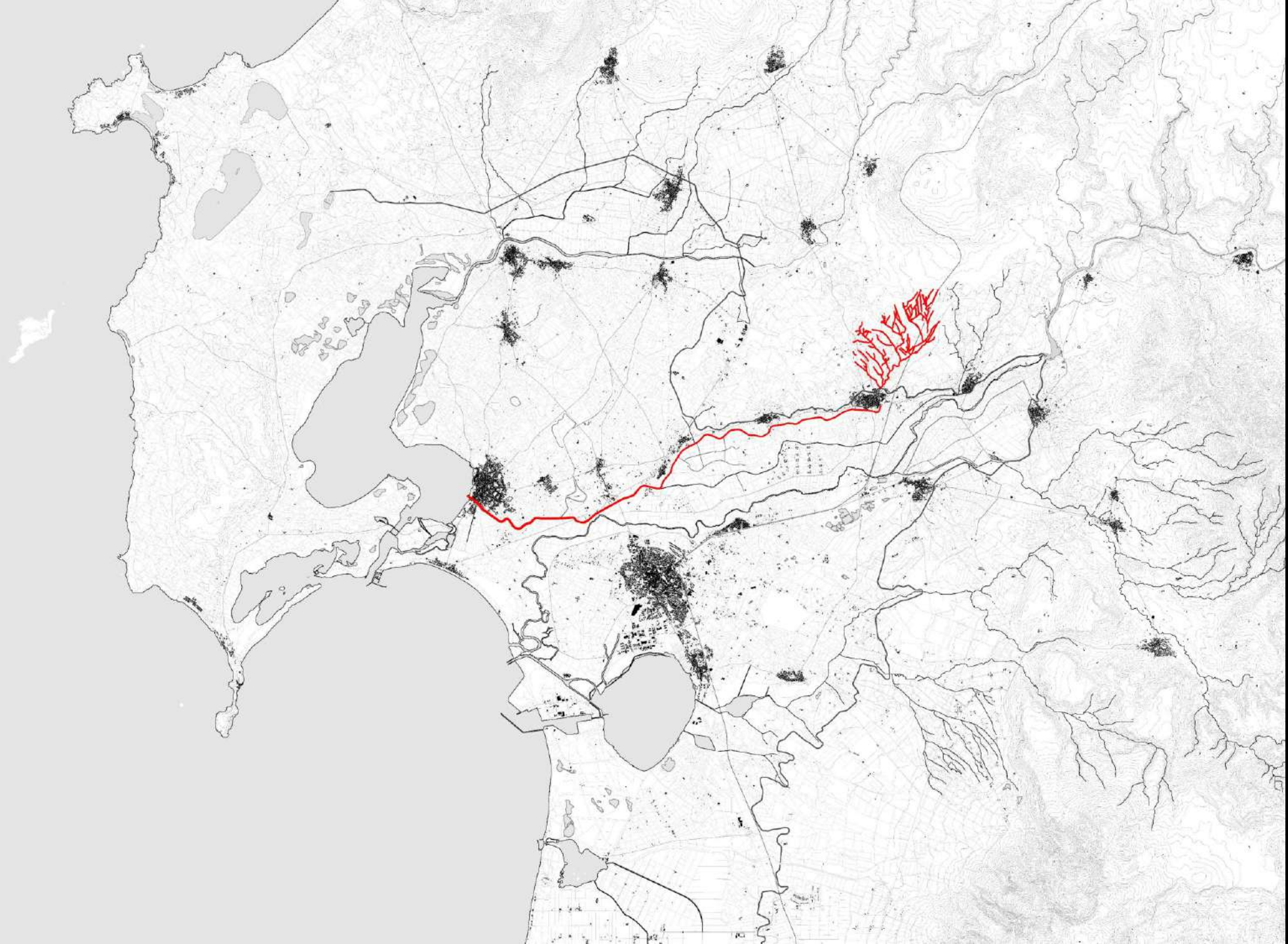








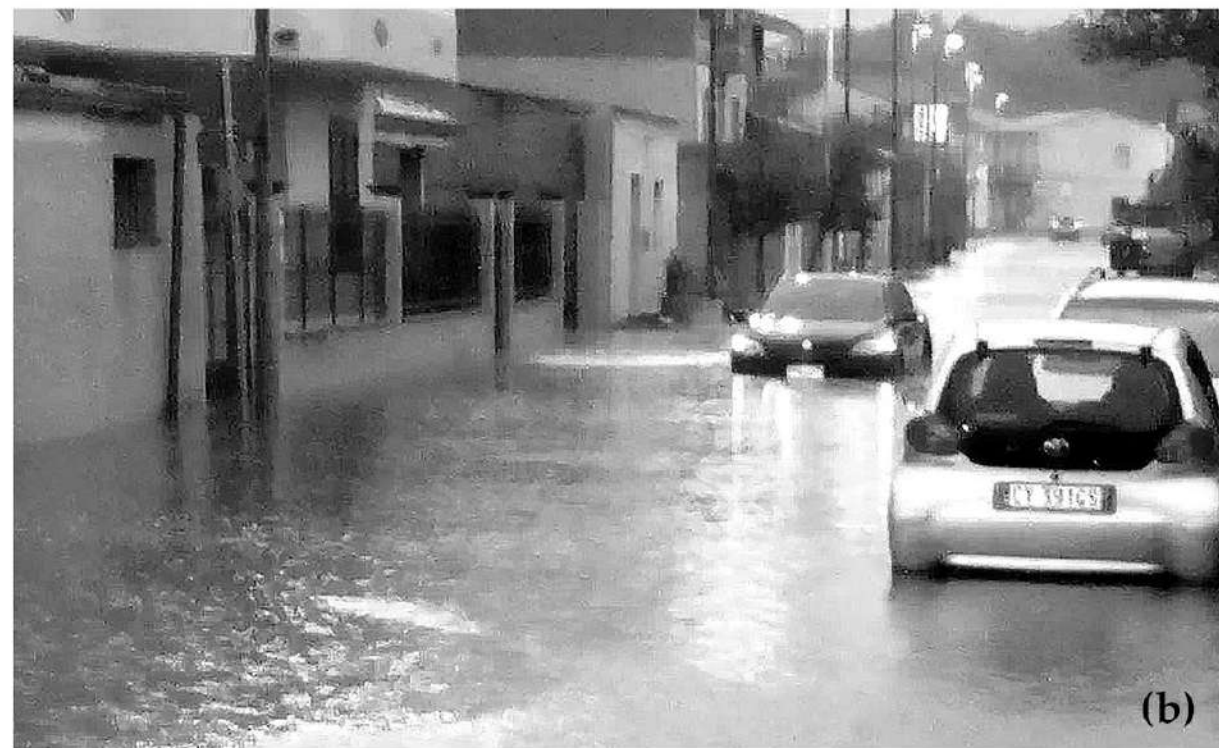






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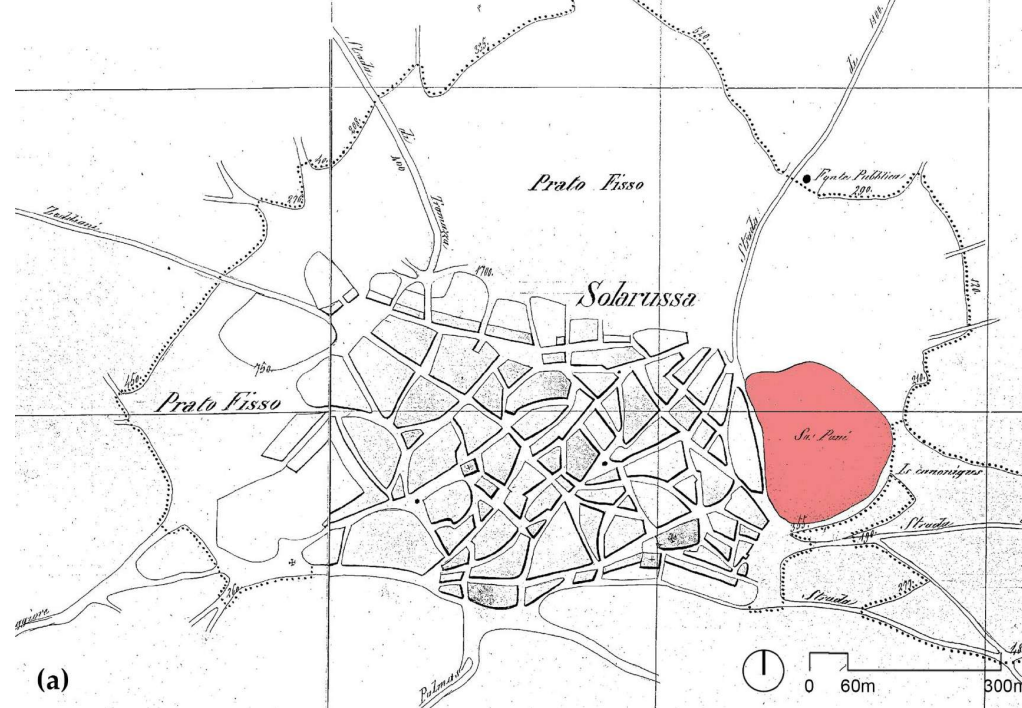


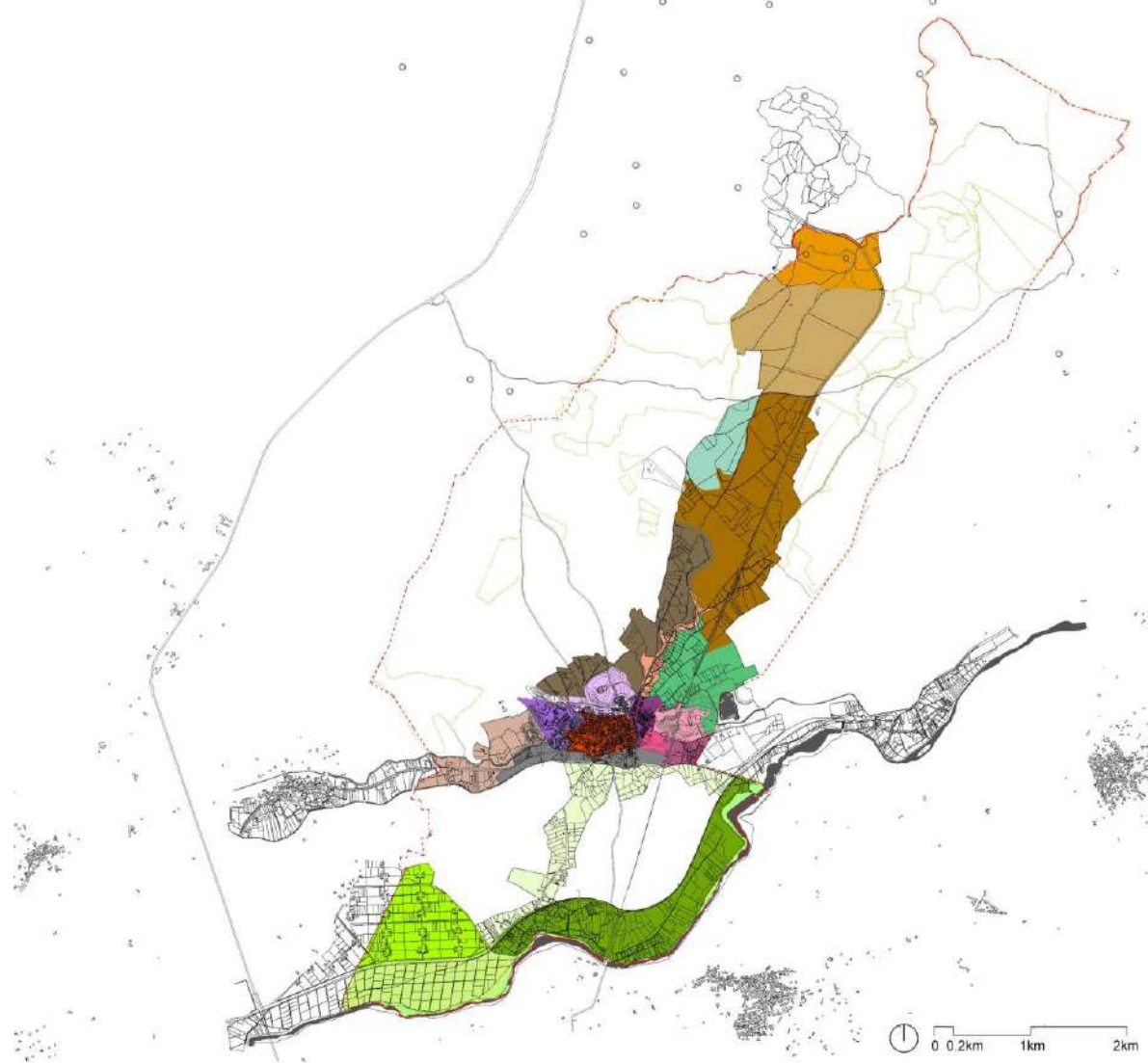


(a)

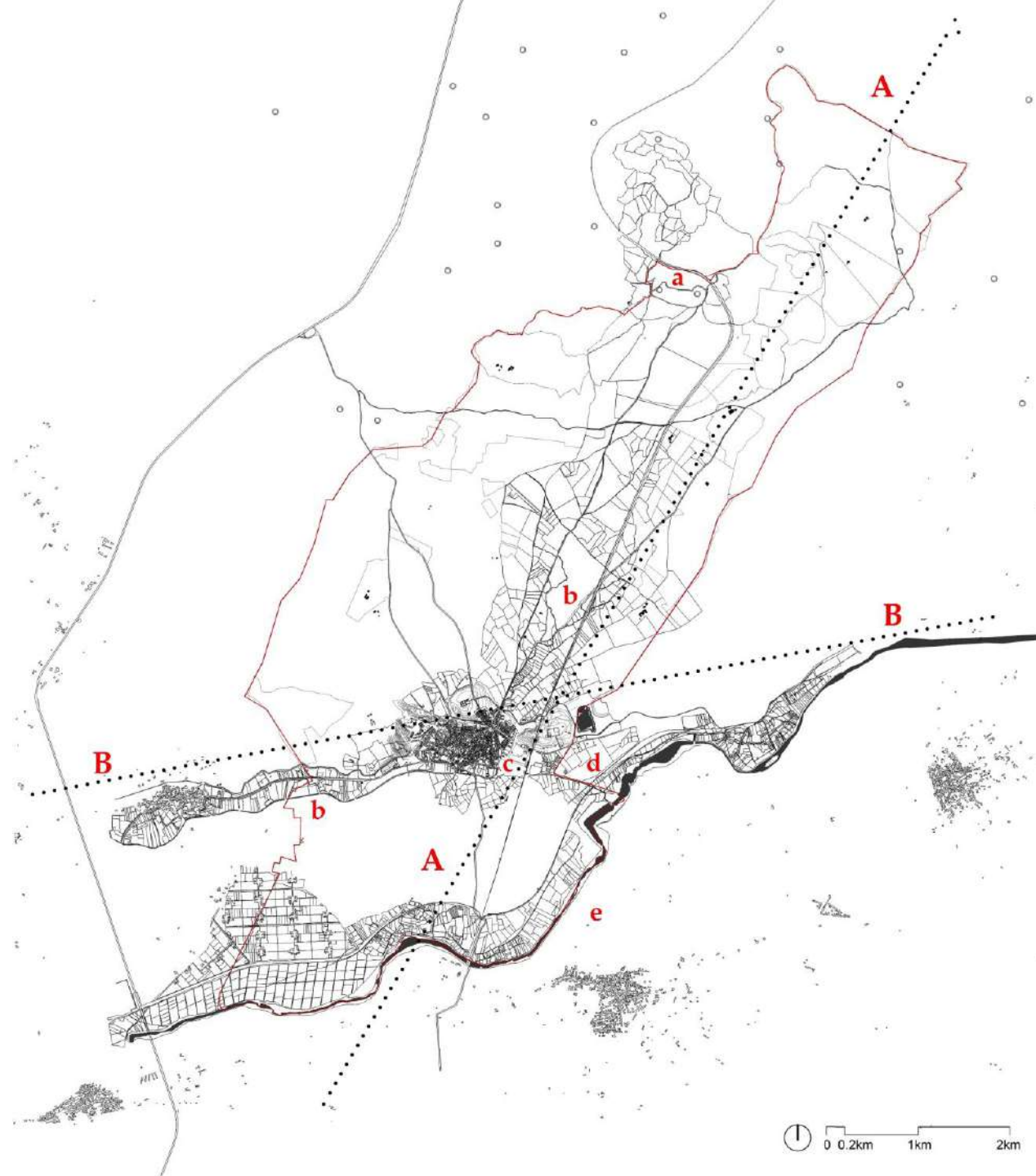


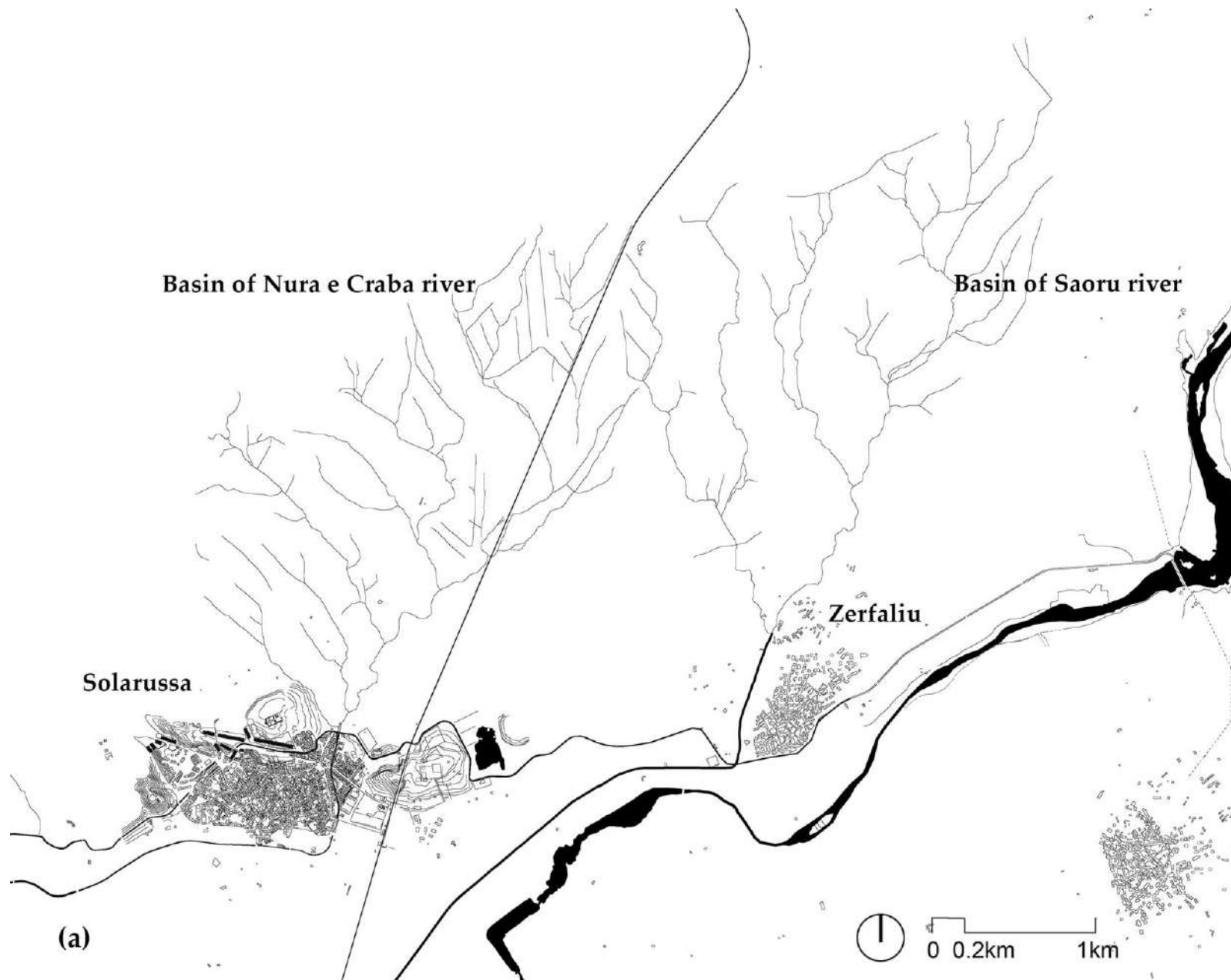
(b)

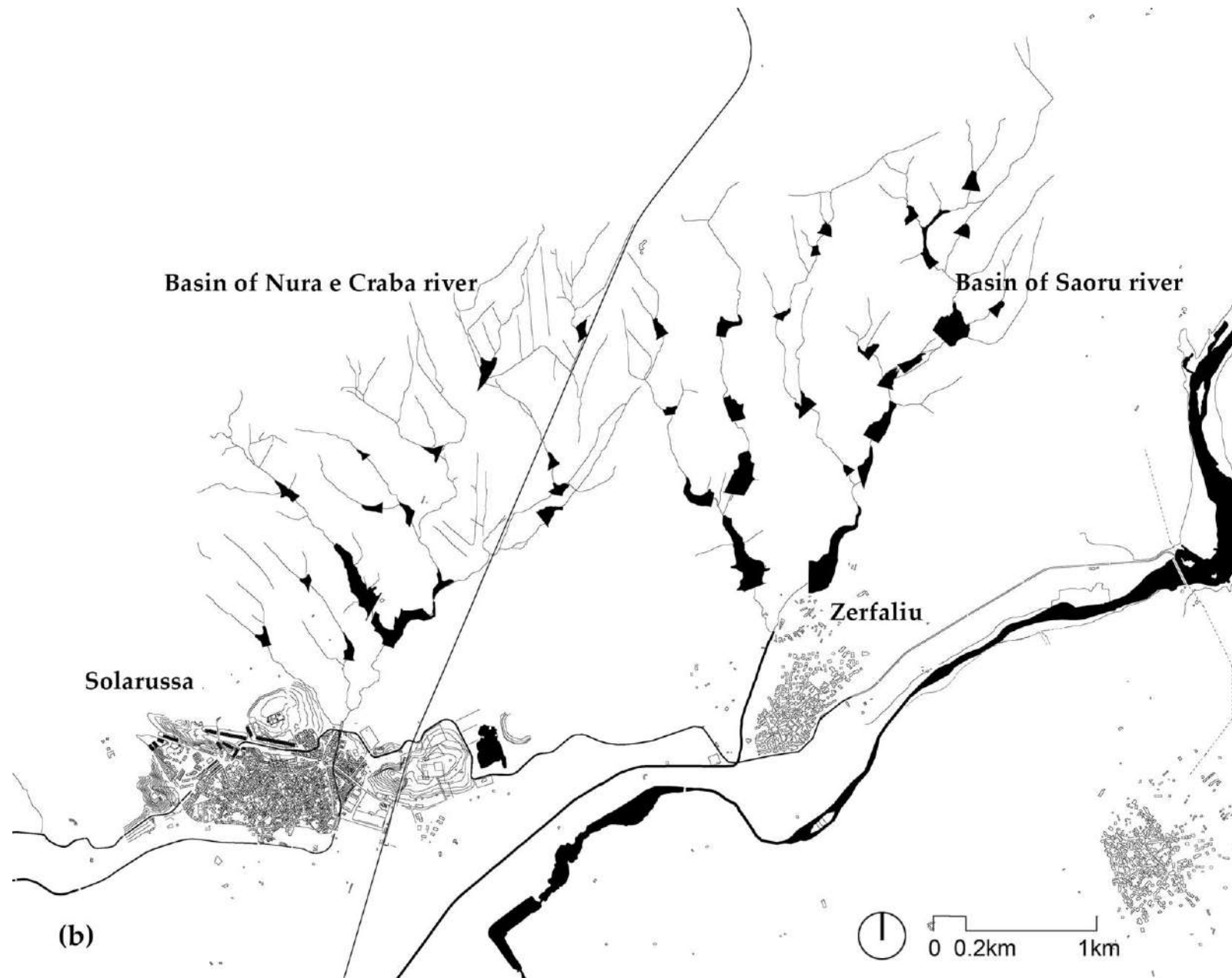


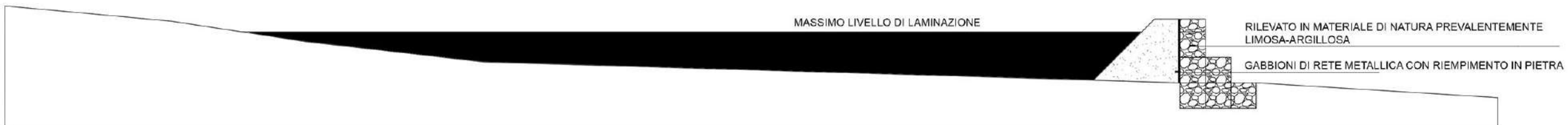
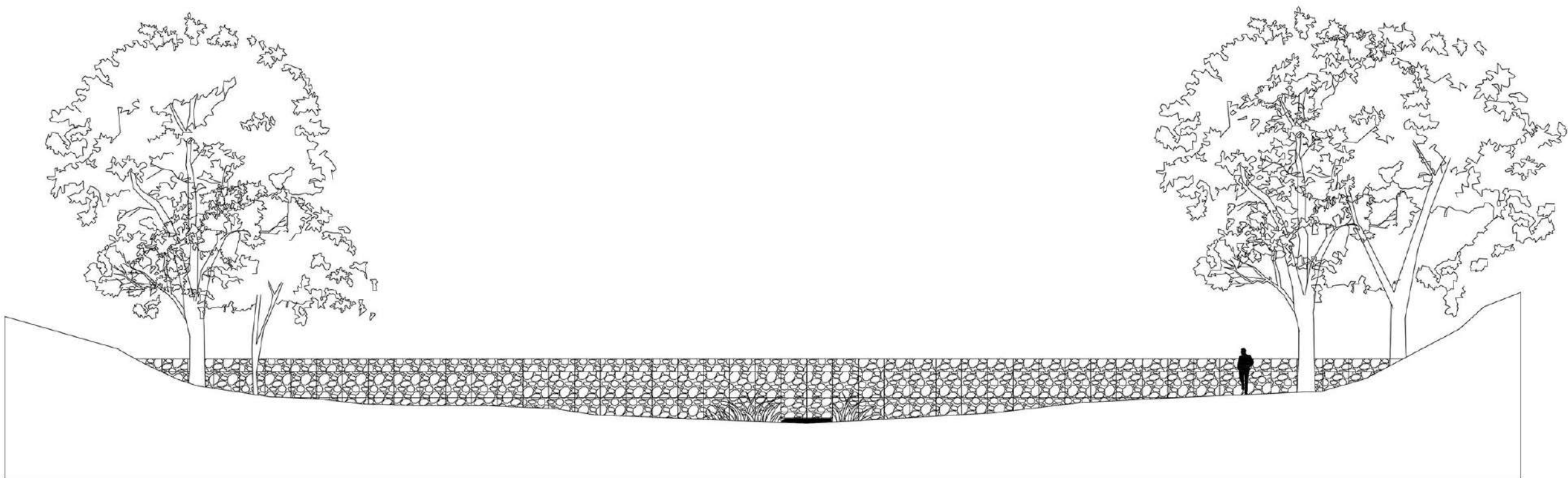


- | | |
|--|---|
| <p> --- Municipal limit --- Large farm areas --- A1.1 - Volcanic domains of Urasa and Mount Tiniosu area --- A1.2 - Urasa River corridor area --- A1.3 - The olive tree forest and perennial grasslands --- A1.4 - Area of companies in Tanca Sa Cresia --- A2.1 - Archaeological Area of Pidighi --- A2.2 - Artificial meadows and reforestations of Pidighi and Muru accas --- A3.1 - Agricultural-productive land area of Bia Zeddiani and Mitza Serra --- A3.2 - Complex particle systems of Pauli Scavonai and Conca on Mottu --- A3.3 - Airfield area --- A4.1 - Agricultural-productive land of Bia Traversa, Campu Entruxiu, Serra Porceddus, --- A5.1 - Rio Traessu alluvial deposit area --- A5.2 - Complex particle systems of Zinnigas (or Bia Monti) --- A5.3 - Complex cellular parts systems of Pauruis, Pappa Carruga and Sa Roia de Su Riu --- A5.4 - Coa Forru alluvial deposits area </p> | <p> --- A5.5 - Mining area affected by quarrying activities --- A6.1 - Historical urban Center --- A6.2 - Cemetery park and residential area of Su Cuccuru --- A6.3 - Residential and sports district Sa Pauli --- A6.4 - Historical environmental area of San Gregorio --- A6.5 - Productive settlements and the railway terminal --- A6.6 - Former oil and sports area --- A6.7 - Residential area of Coa and Forru --- A6.8 - Area of urban gardens --- A6.9 - Residential district of Tharros Street --- A7.1 - Agricultural area of Pauligas open field vegetable crops --- A8.1 - Agricultural area of the township --- A8.2 - Agricultural area of the Pardu Nou village --- A9.1 - Agricultural area of the floodplain of Pardu Nou --- A9.2 - Agricultural area of Iscantarabbas, Sa Prama, Isca Noa --- A9.3 - Natural area of the banks of the River Tirso </p> |
|--|---|

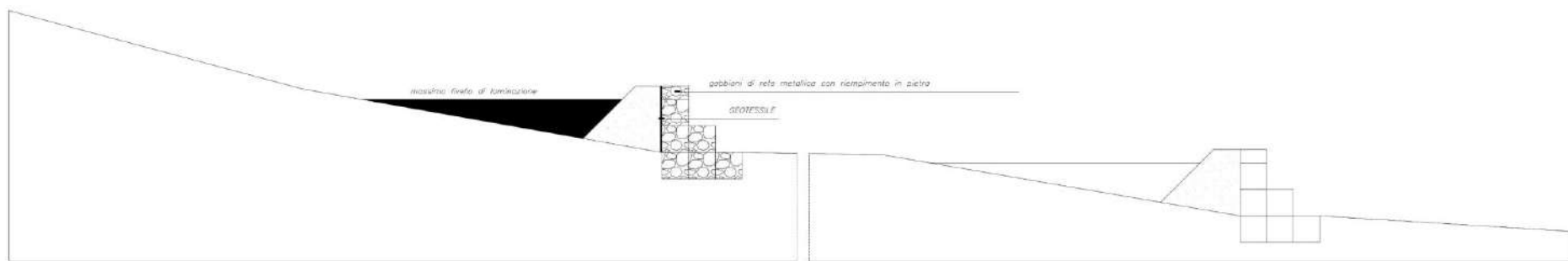
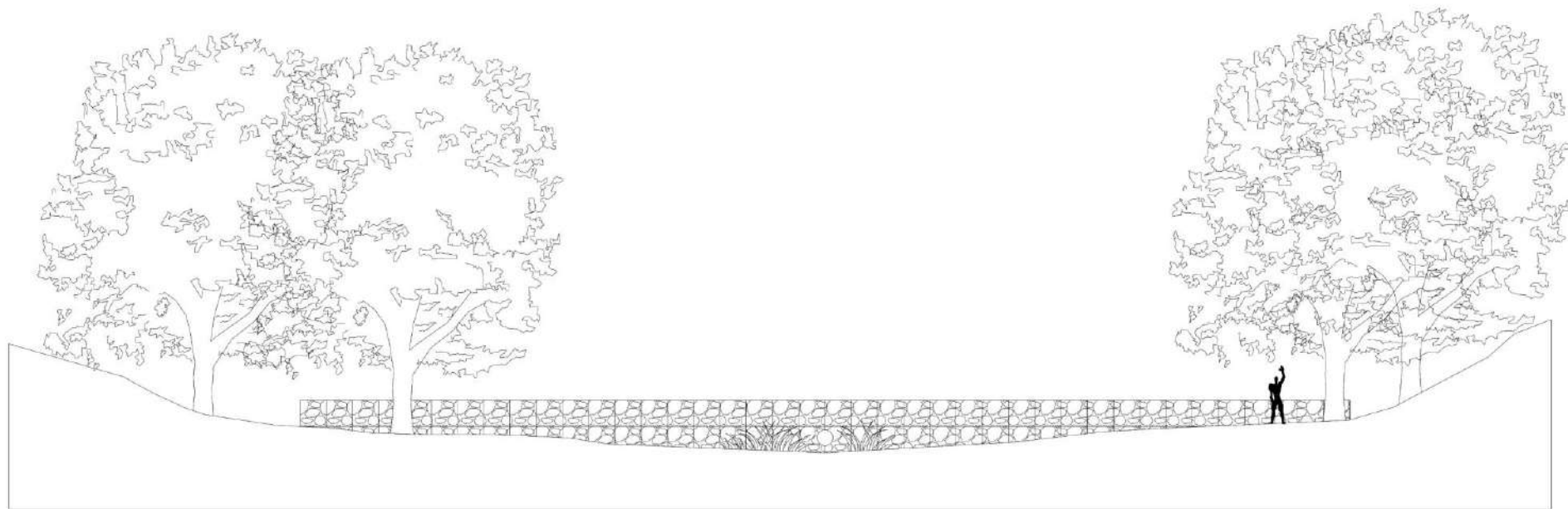






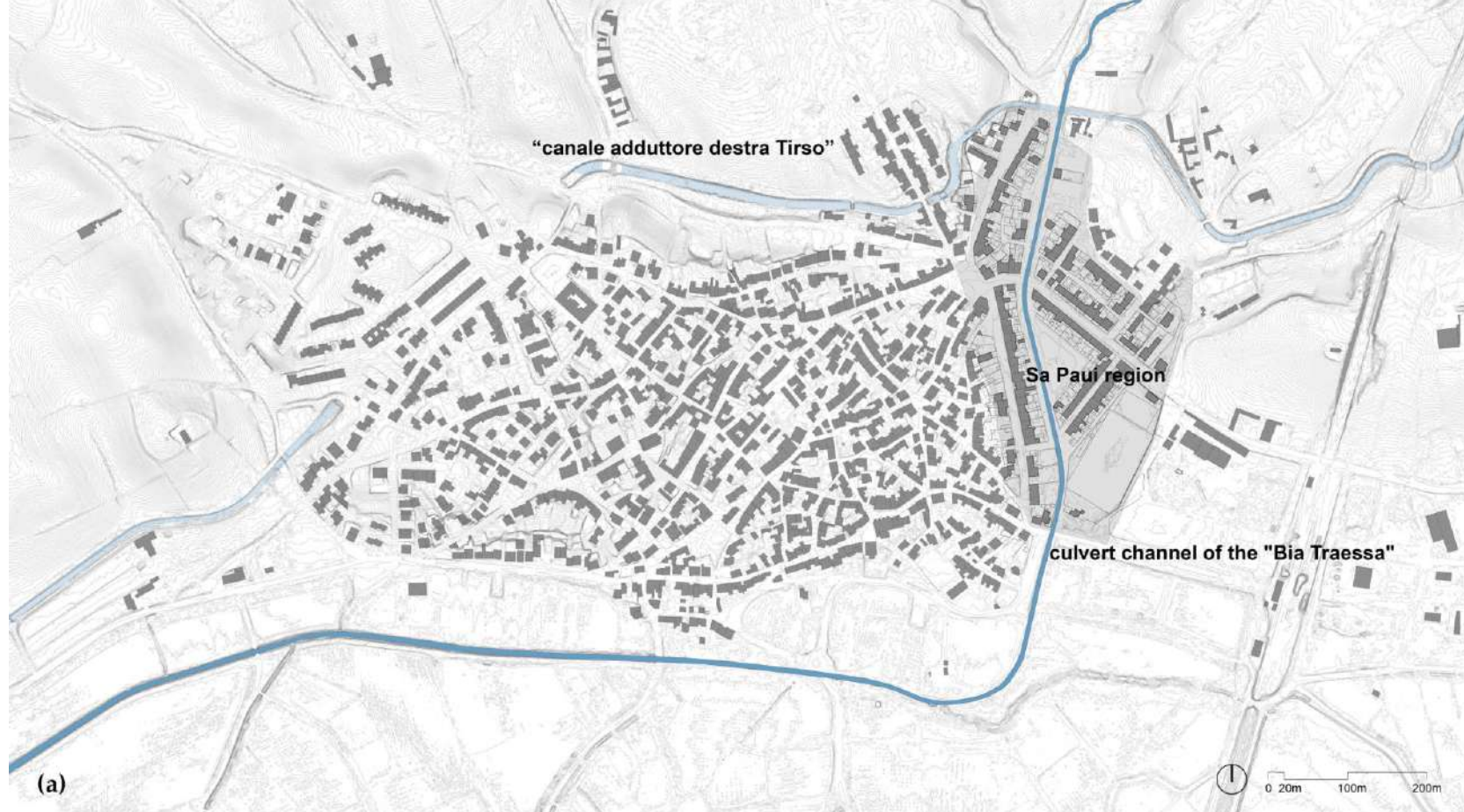


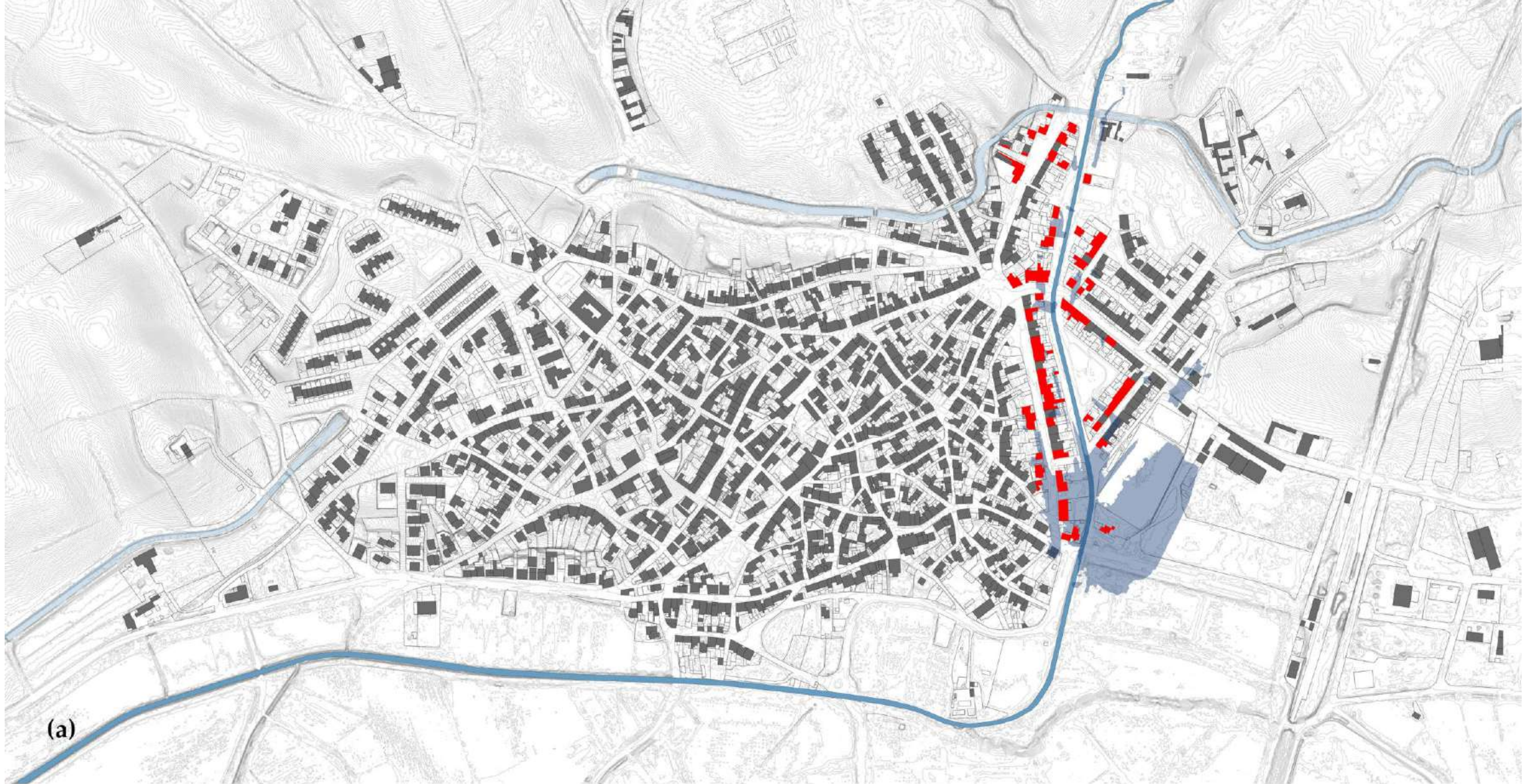
SEZIONI BACINO DI RACCOLTA





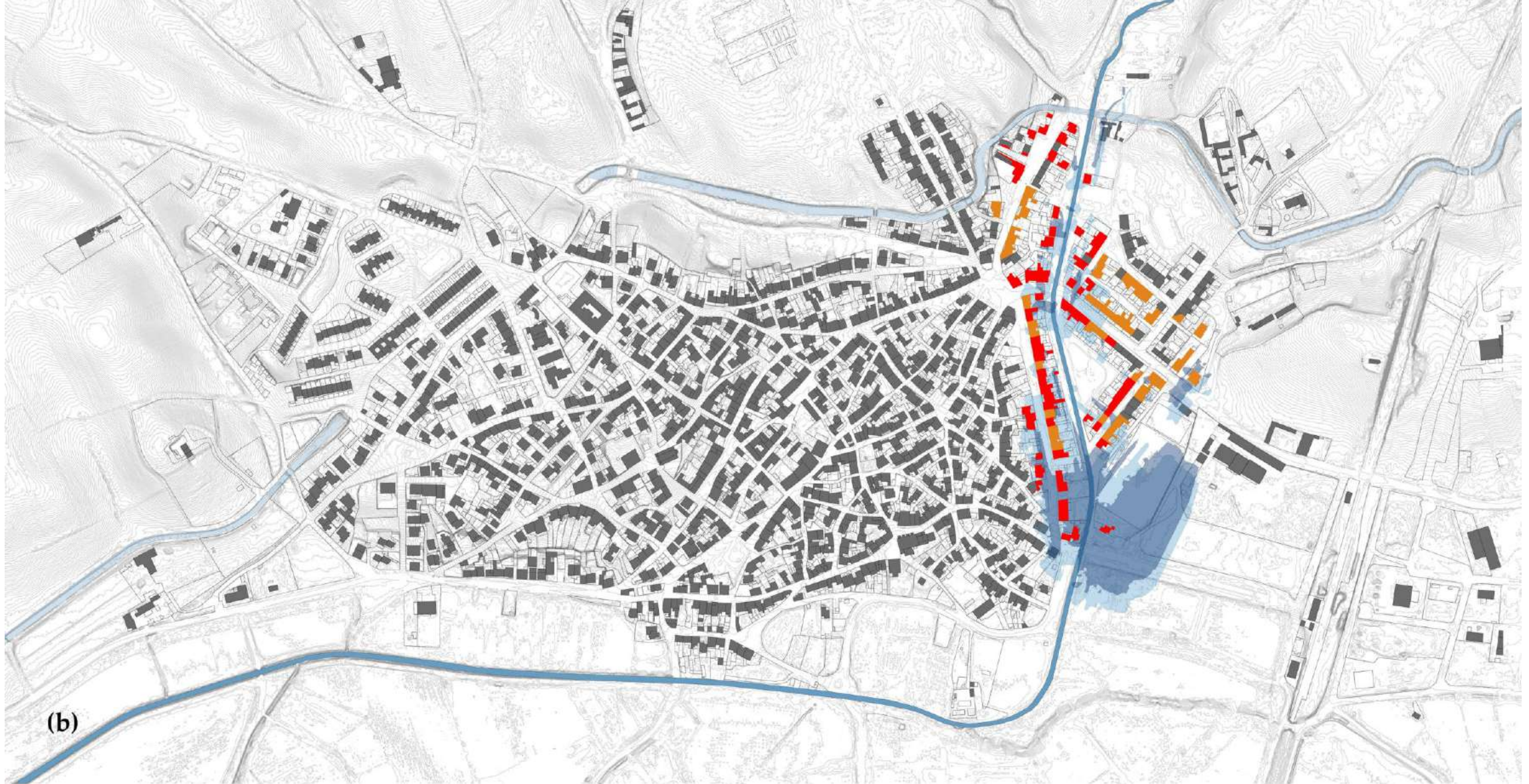






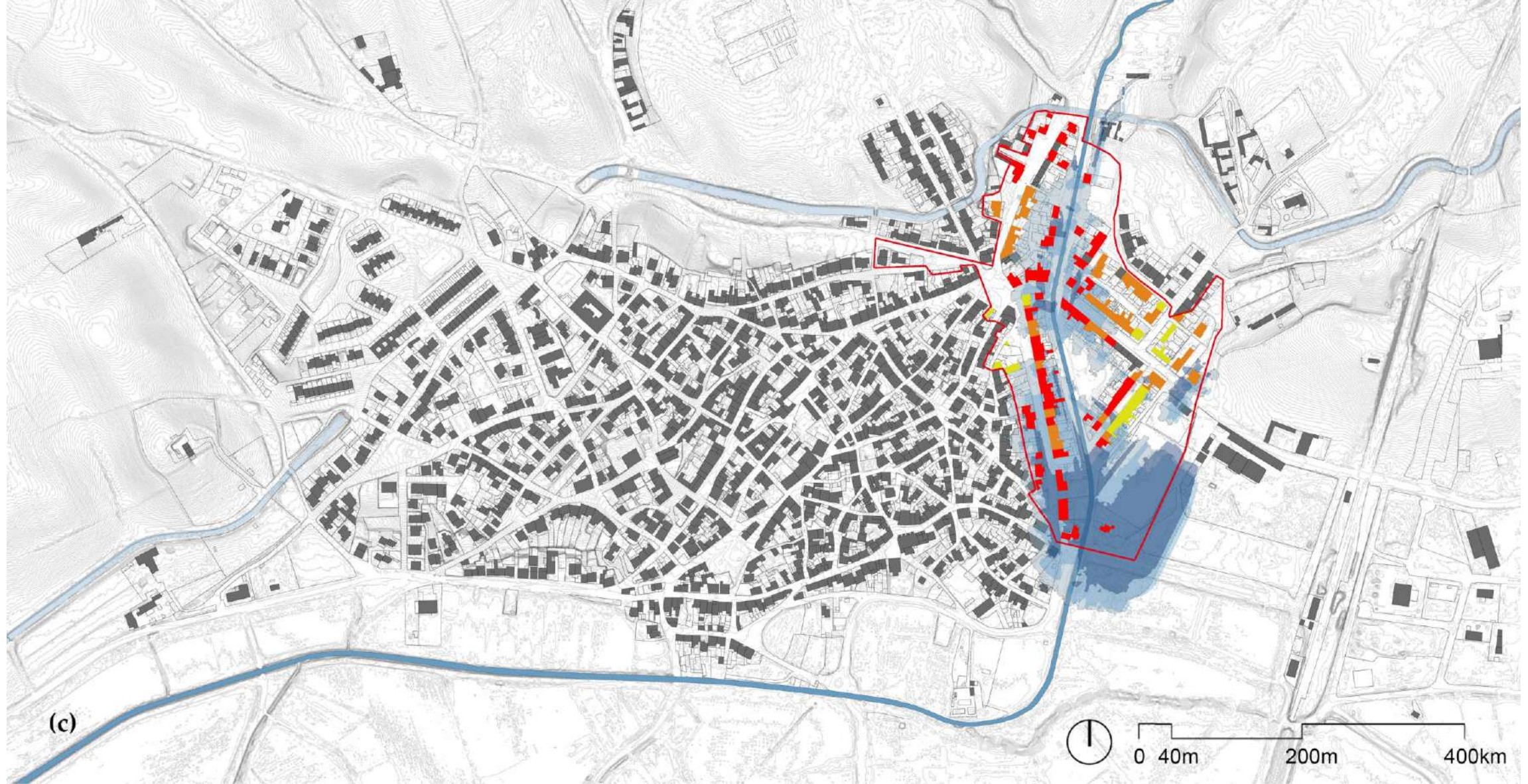
- (a)
- +0.20m possible flooding (a-d)
 - +0.40m possible flooding (a-d)
 - +0.60m possible flooding (a-d)
 - 2013 Cleopatra flood (Basin Authority of the Sardinia Region, 2014)

- residences
- buildings most susceptible to damage
- buildings on average exposed to damage
- buildings slightly exposed to damage



- (b)
- +0.20m possible flooding (a-d)
 - +0.40m possible flooding (a-d)
 - +0.60m possible flooding (a-d)
 - 2013 Cleopatra flood (Basin Authority of the Sardinia Region, 2014)

- residences
- buildings most susceptible to damage
- buildings on average exposed to damage
- buildings slightly exposed to damage



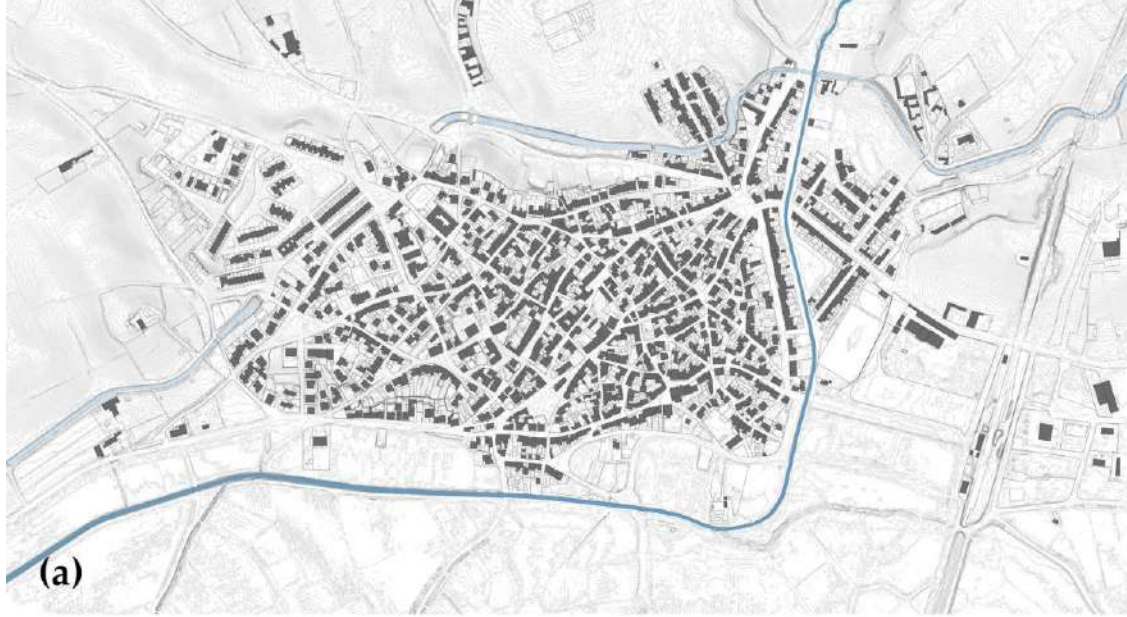
- +0.20m possible flooding (a-d)
- +0.40m possible flooding (a-d)
- +0.60m possible flooding (a-d)
- 2013 Cleopatra flood (Basin Authority of the Sardinia Region, 2014)

- residences
- buildings most susceptible to damage
- buildings on average exposed to damage
- buildings slightly exposed to damage



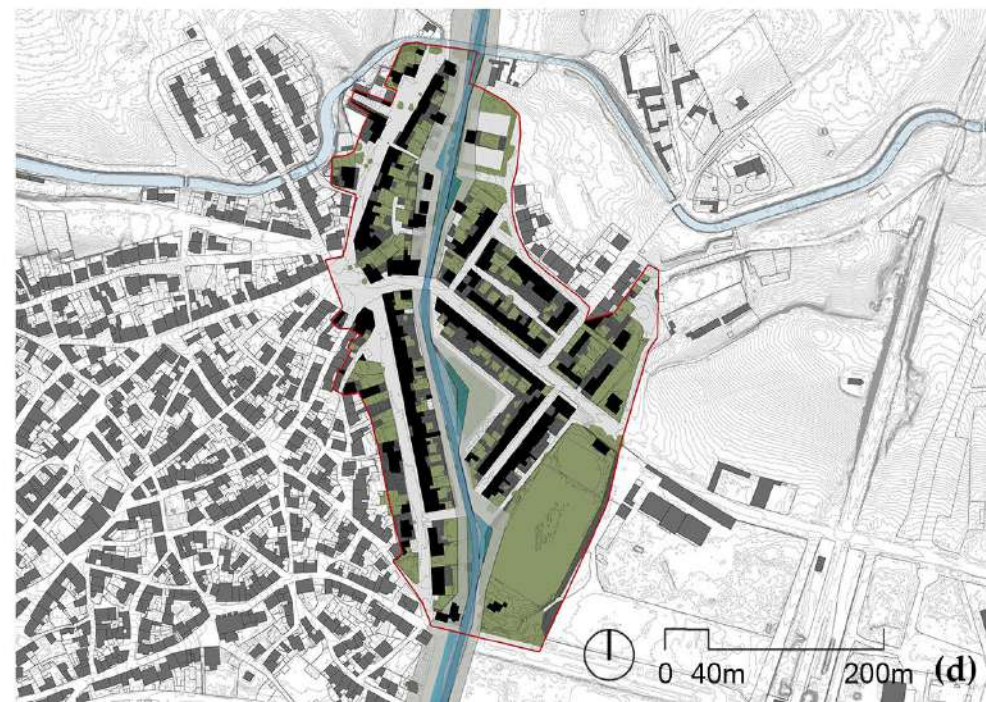
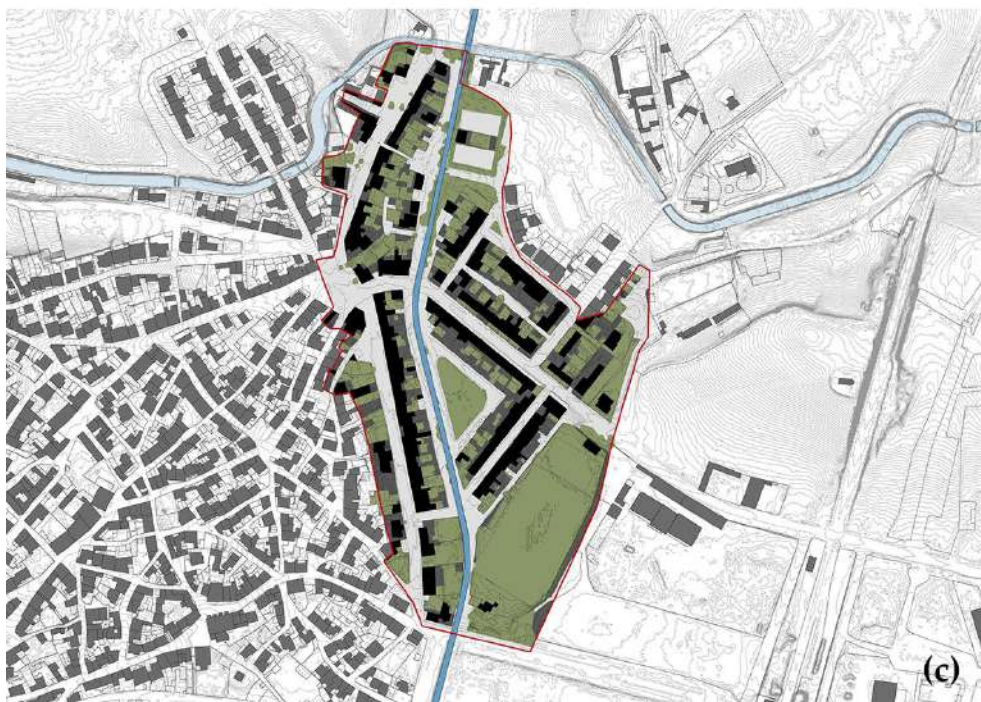
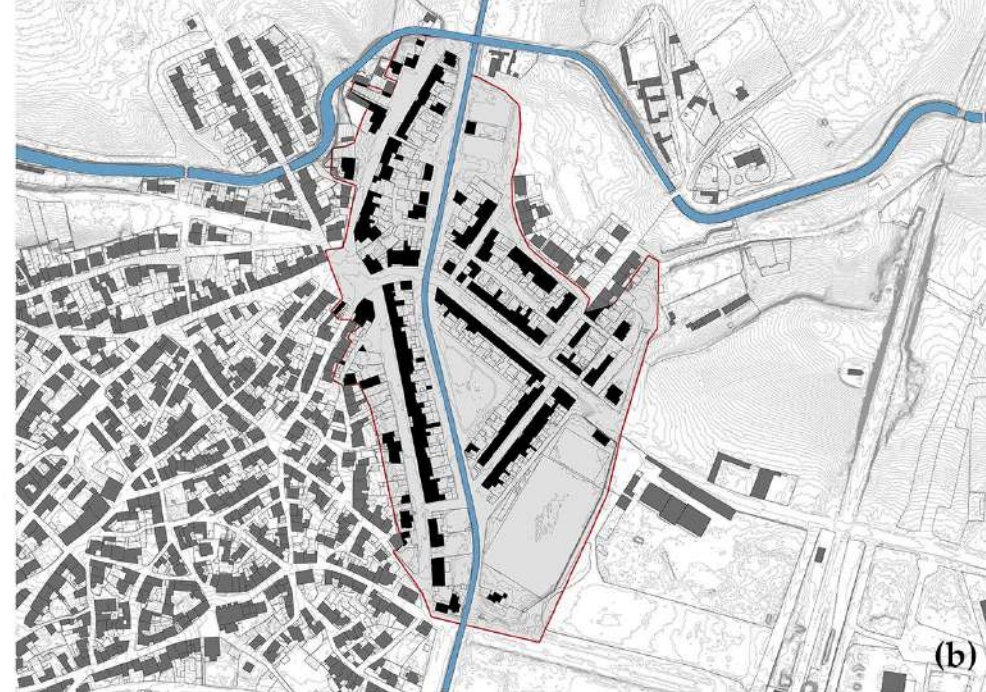
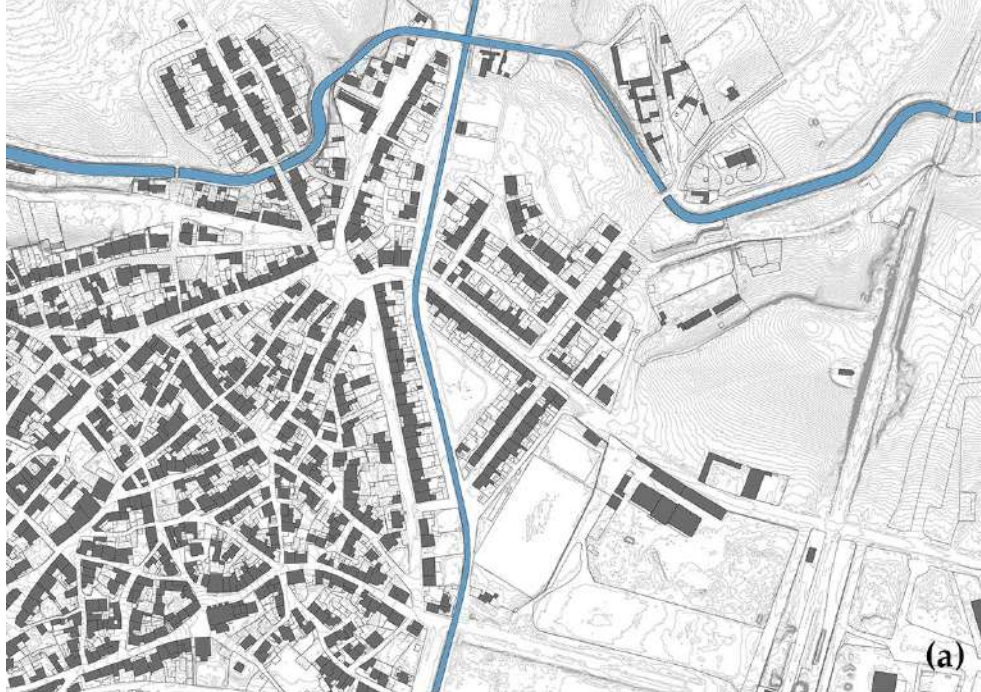
— +0.20m possible flooding (a-d)
— +0.40m possible flooding (a-d)
— +0.60m possible flooding (a-d)

— nature re-colonized areas (a-e)
— spaces reclaimed by nature in new residential (a-e)
— current vegetation (a-e)



— +0.20m possible flooding (a-d)
— +0.40m possible flooding (a-d)
— +0.60m possible flooding (a-d)

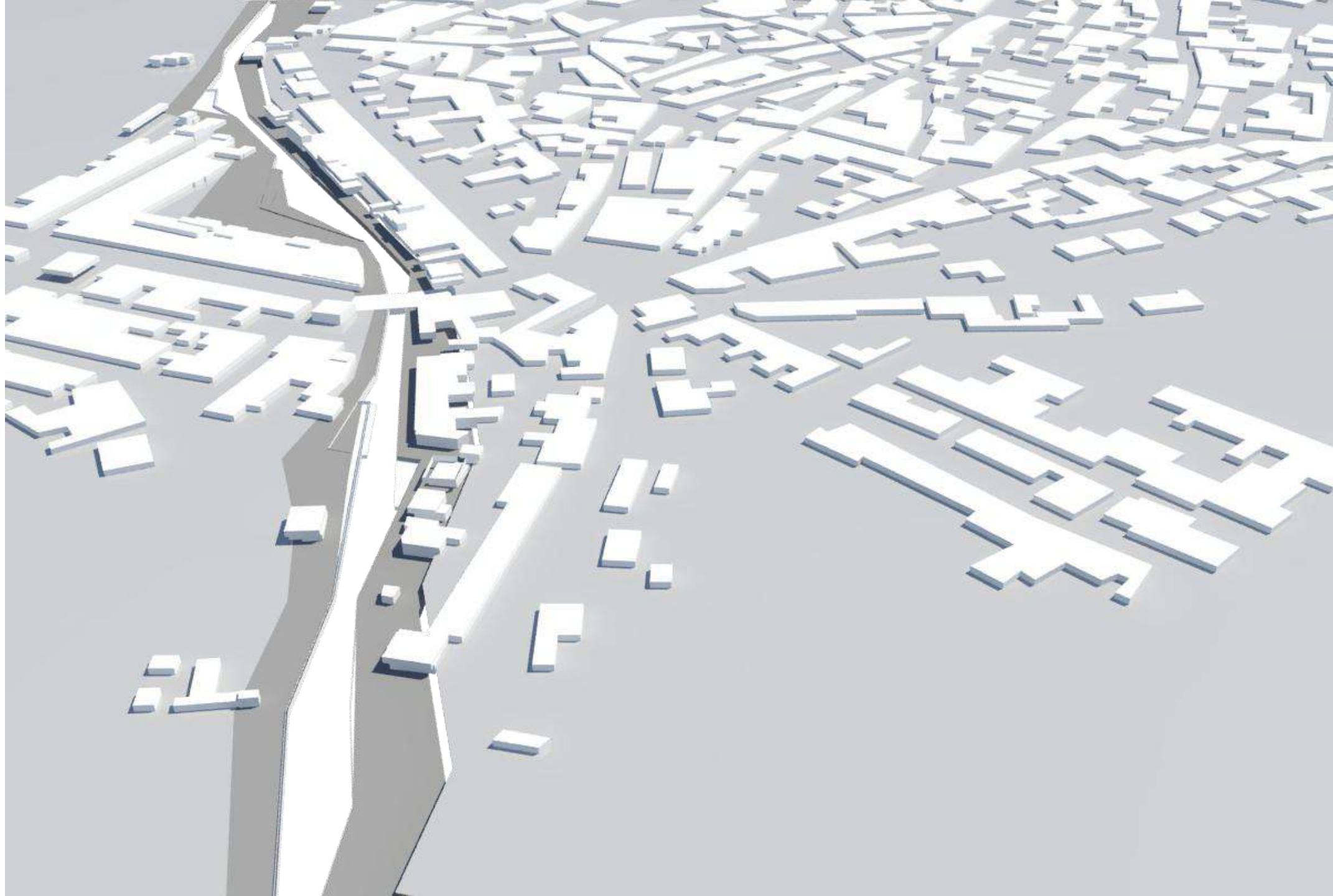
— nature re-colonized areas (a-e)
— spaces reclaimed by nature in new residential (a-e)
— current vegetation (a-e)

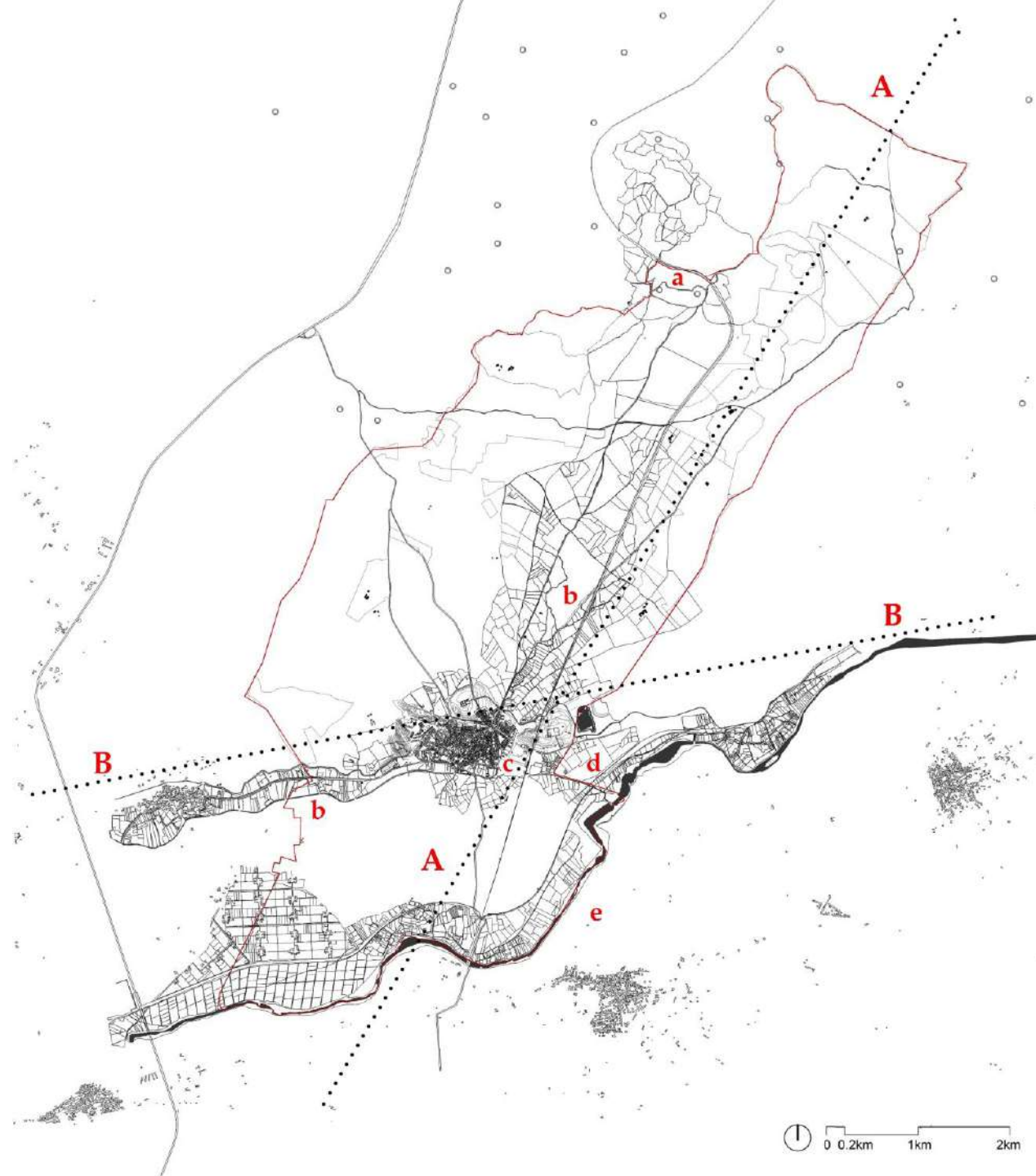




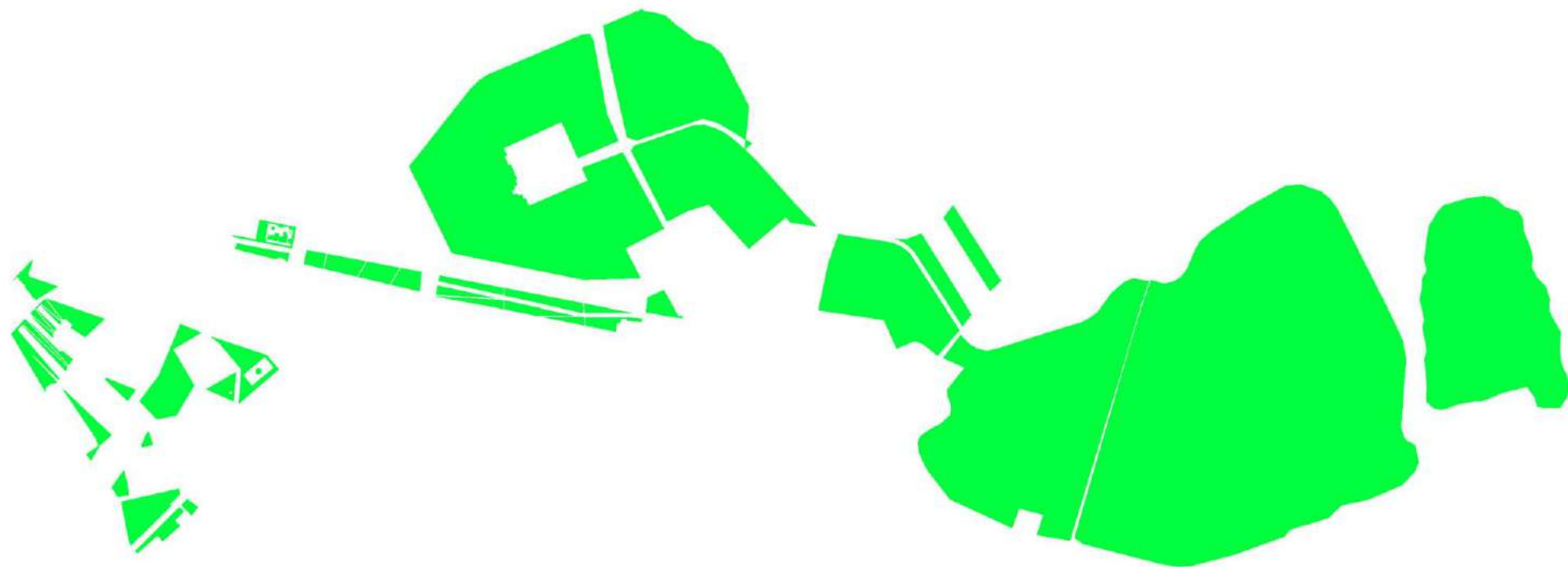
residences
urban channel
channel retention areas

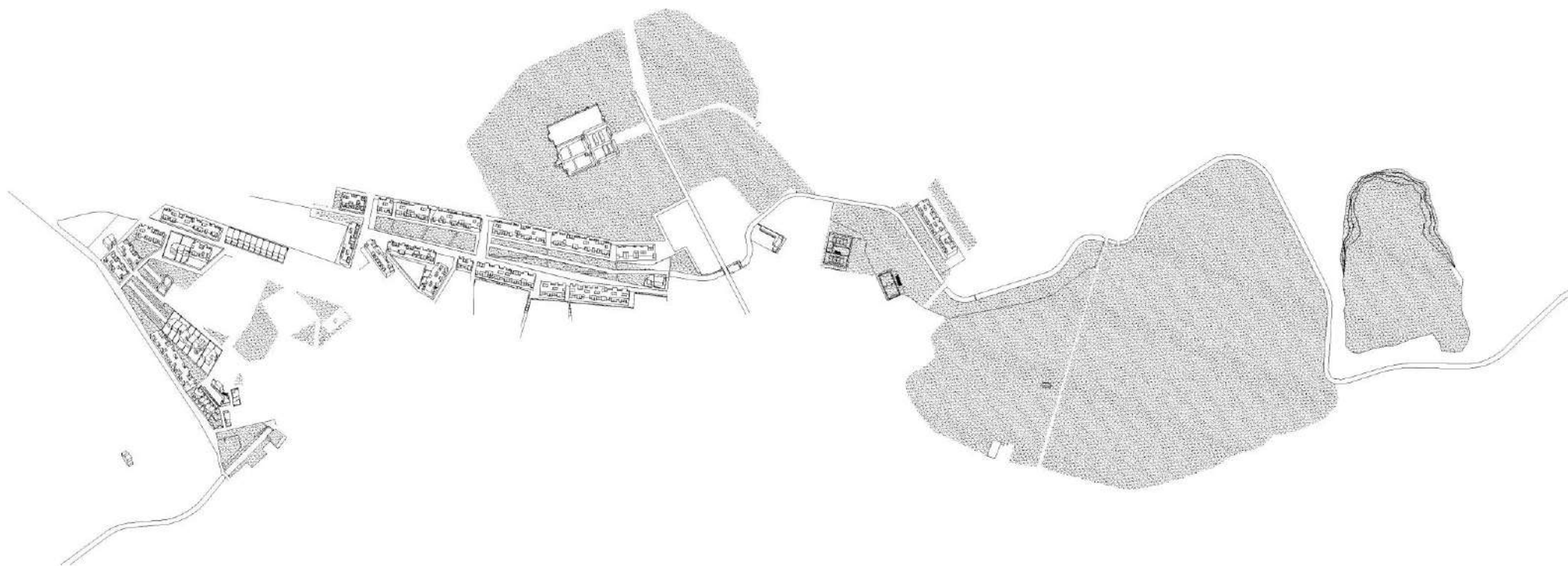
infiltration systems and public spaces
gardens and private patios
bioretention systems and green roofs

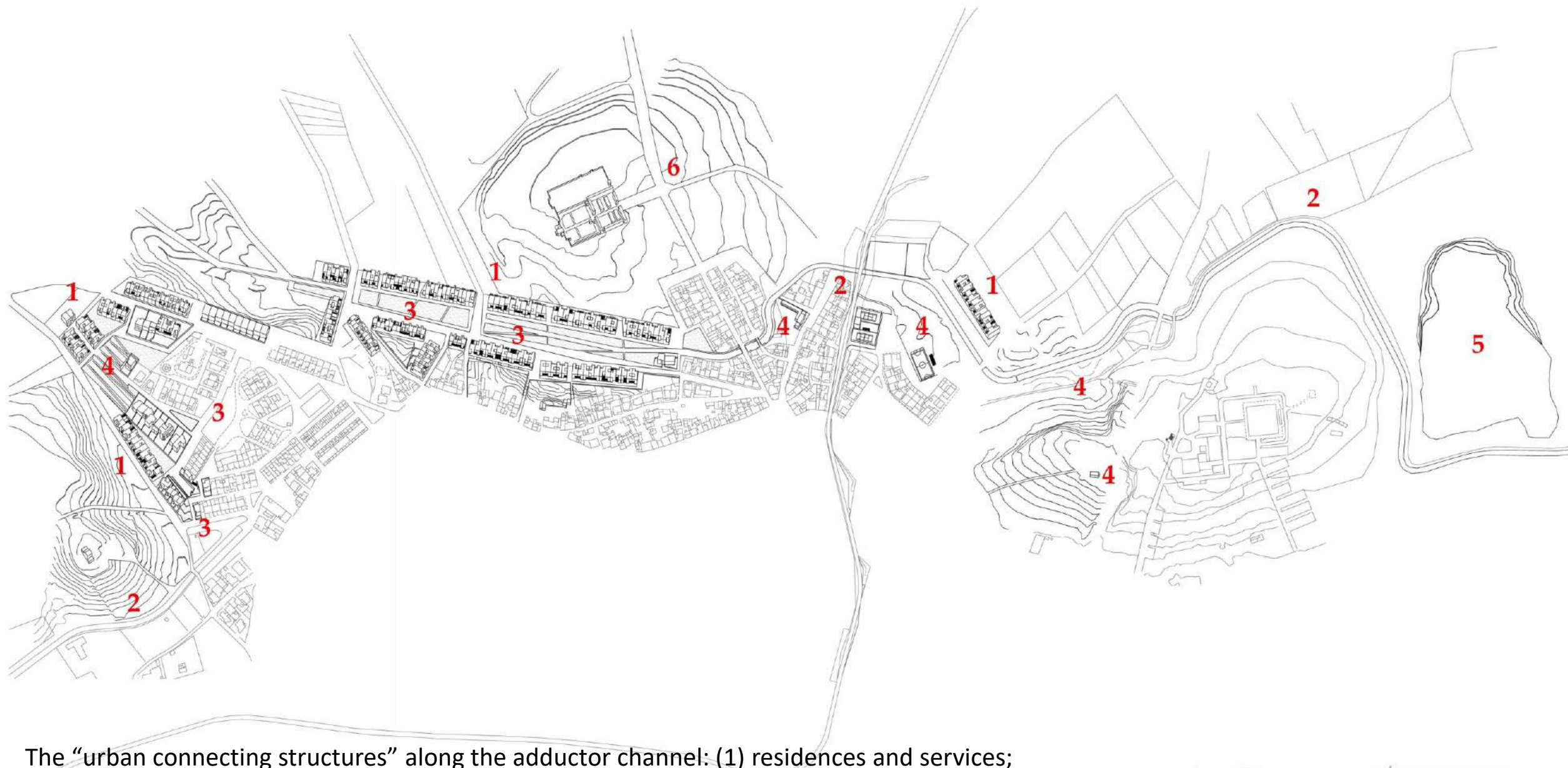




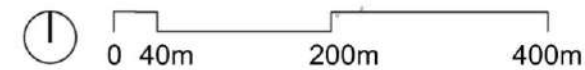


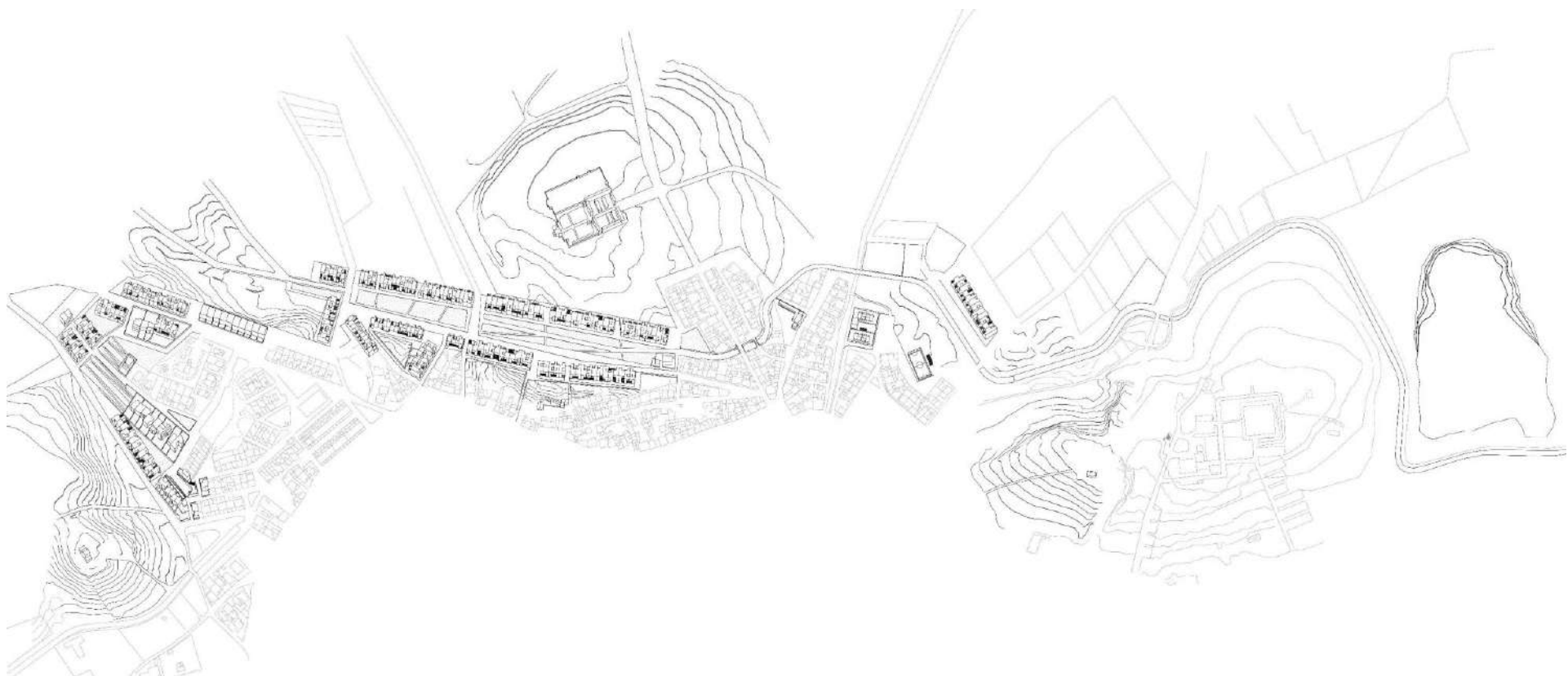


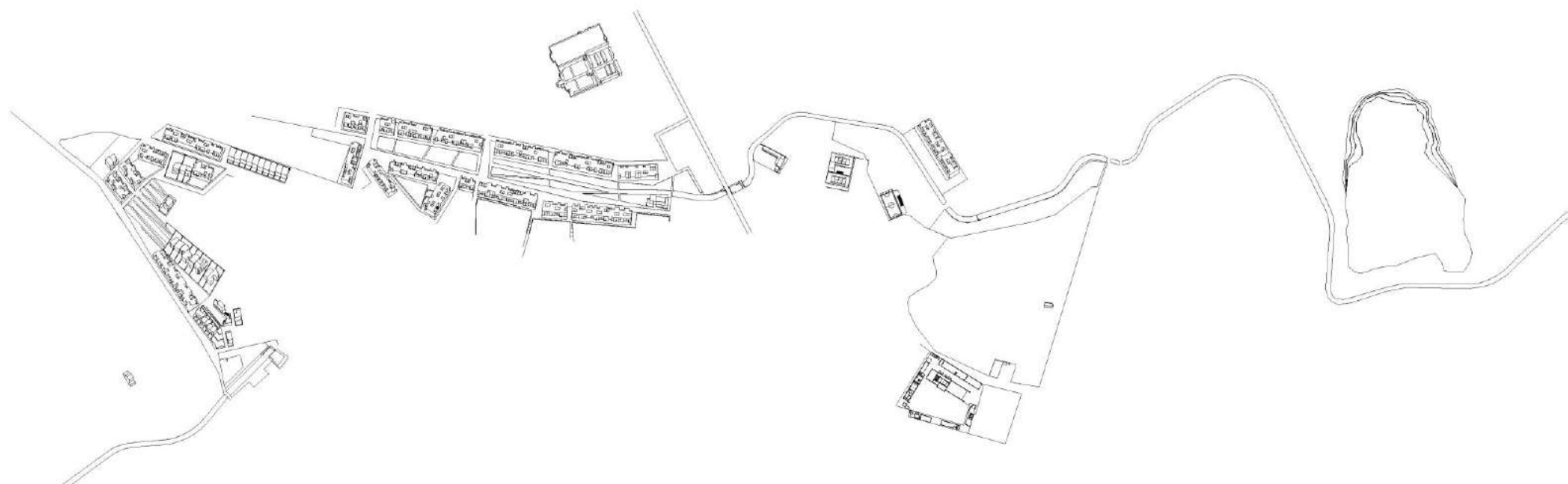




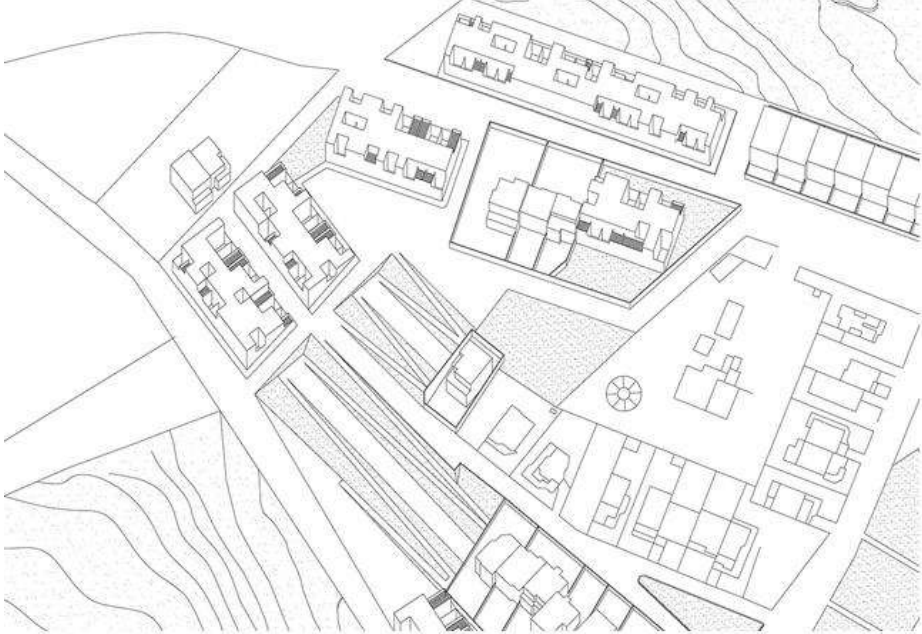
The “urban connecting structures” along the adductor channel: (1) residences and services; (2) “canale adduttore destra Tirso”; (3) new public spaces; (4) regenerated public spaces; (5) disused quarry adapted to functions of public space and pastimes; (6) urban park.

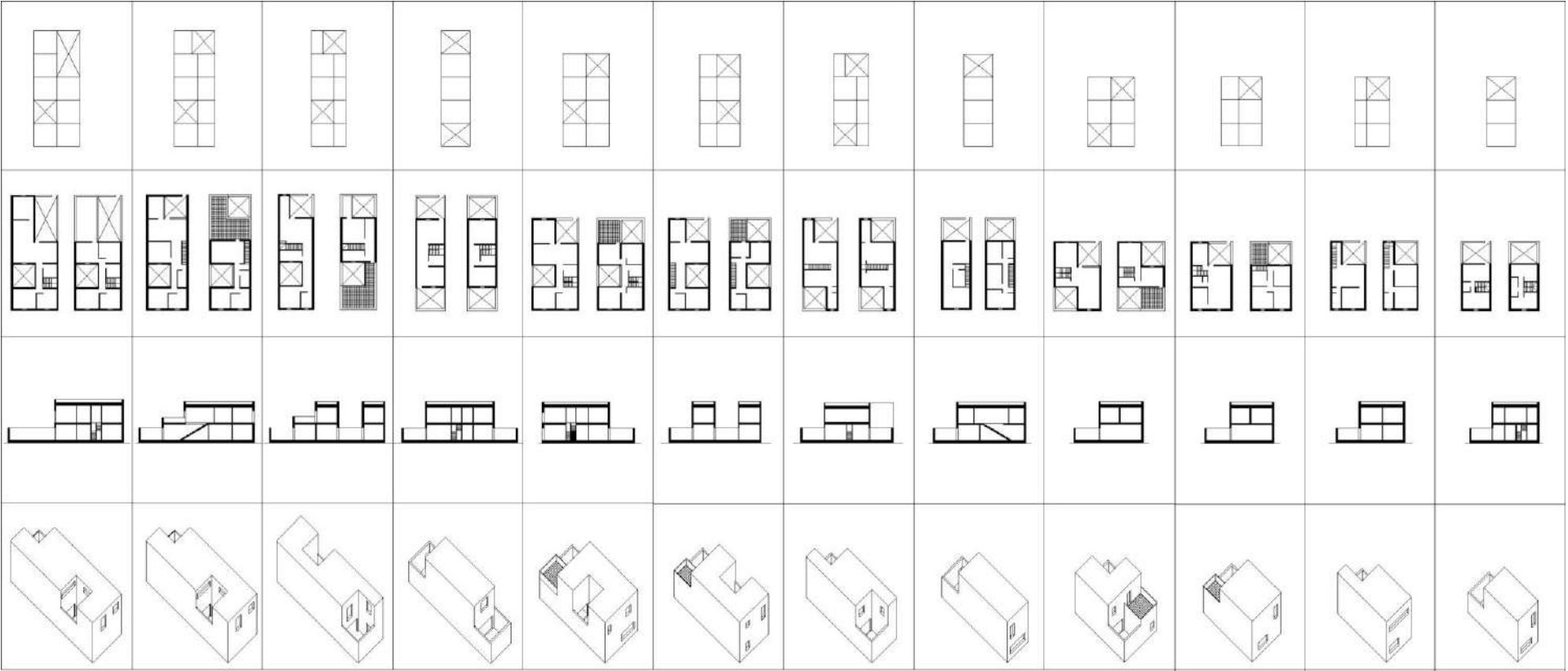


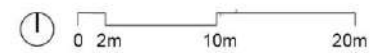
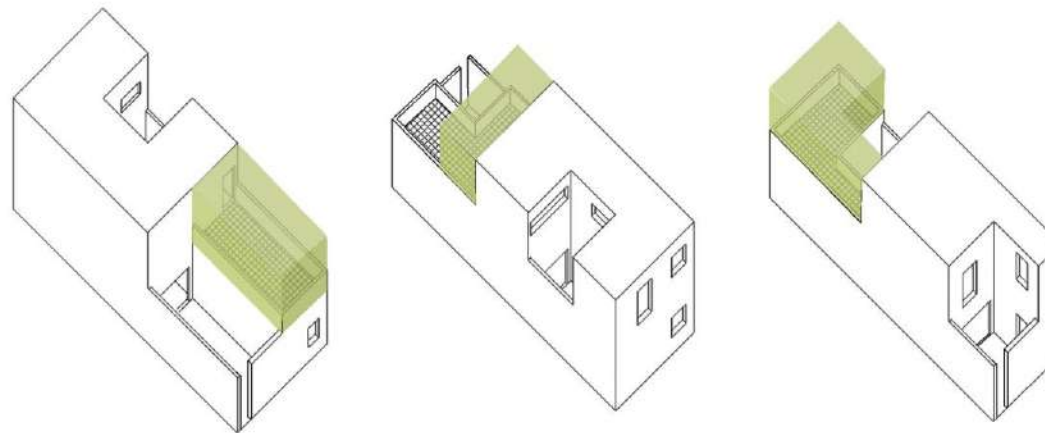
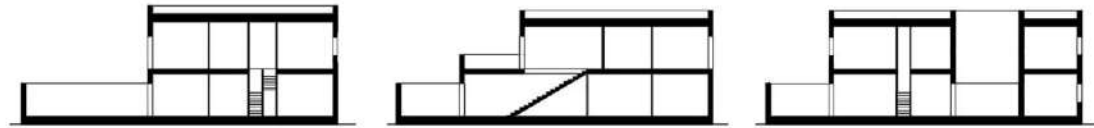
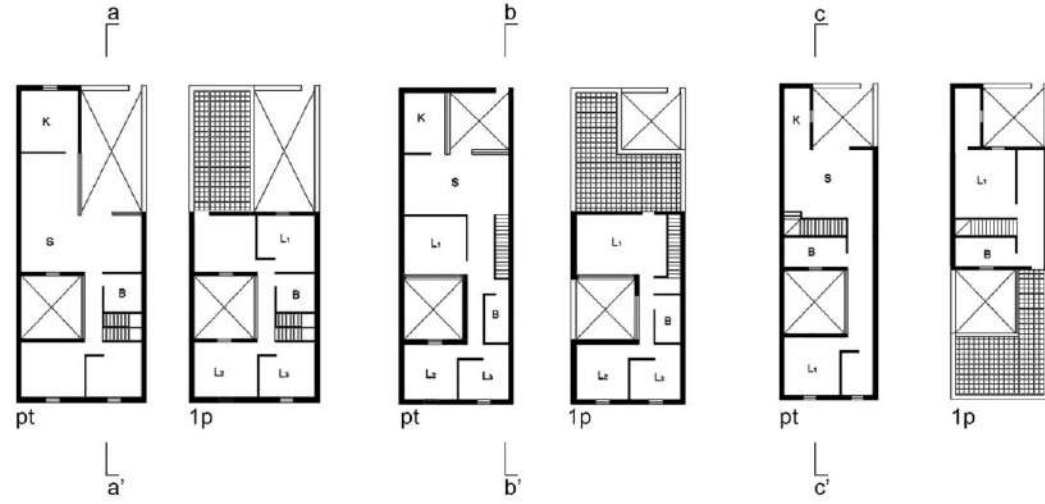




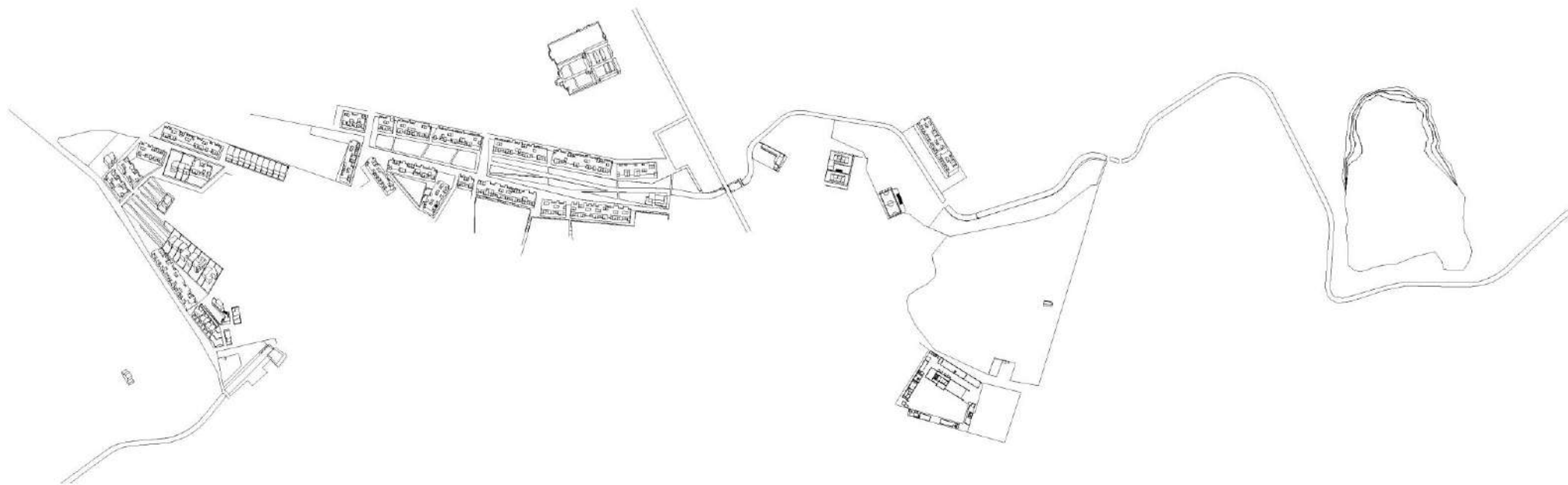












Grazie per l'attenzione