

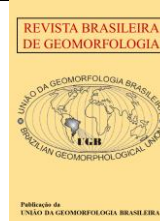


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Material Supplementary

Cartography of original and technogenic landform in the Tigre watershed, Erechim, RS

Cartografia das formas de relevo original e tecnogênicas na bacia hidrográfica do rio Tigre, Erechim, RS

André Ricardo Furlan¹, Romario Trentin² e Luís Eduardo de Souza Robaina³

¹ Universidade Federal de Santa Maria, Departamento de Geociências, Santa Maria, Brasil. E-mail: andre.ricardofurlan@gmail.com

ORCID: <https://orcid.org/0000-0003-1927-6114>

² Universidade Federal de Santa Maria, Departamento de Geociências, Santa Maria, Brasil. E-mail: romario.trentin@gmail.com

ORCID: <https://orcid.org/0000-0002-0615-2801>

³ Universidade Federal de Santa Maria, Departamento de Geociências, Santa Maria, Brasil. E-mail: lesrobaina@yahoo.com.br

ORCID: <http://orcid.org/0000-0002-2390-6417>

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Table S1. Relief Elements Altered by Urbanization

Urban Intervention	1975	1989	2010	2023
Landform Elements	Km ²	Km ²	Km ²	Km ²
1 - River Plains and Terraces	0.21	0.49	0.63	0.69
2 - Incised valleys	0.11	0.20	0.25	0.26
3 - Drainage Headwaters	0.11	0.22	0.25	0.27
4 Gently Sloping Convex Hillslopes	1.27	2.37	2.82	2.93
5 - Gently Sloping Concave Hillslopes	1.06	1.86	2.14	2.21
6 - Steep Convex Hillslopes	0.55	1.04	1.30	1.35
7 - Steep Concave Hillslopes	0.25	0.50	0.60	0.62
8 - Flat and Convex Terraces	0.19	0.26	0.28	0.30
9 - Flat, Convex, and Pointed Summits	0.36	0.50	0.53	0.56

Source: Author's organization (2024)

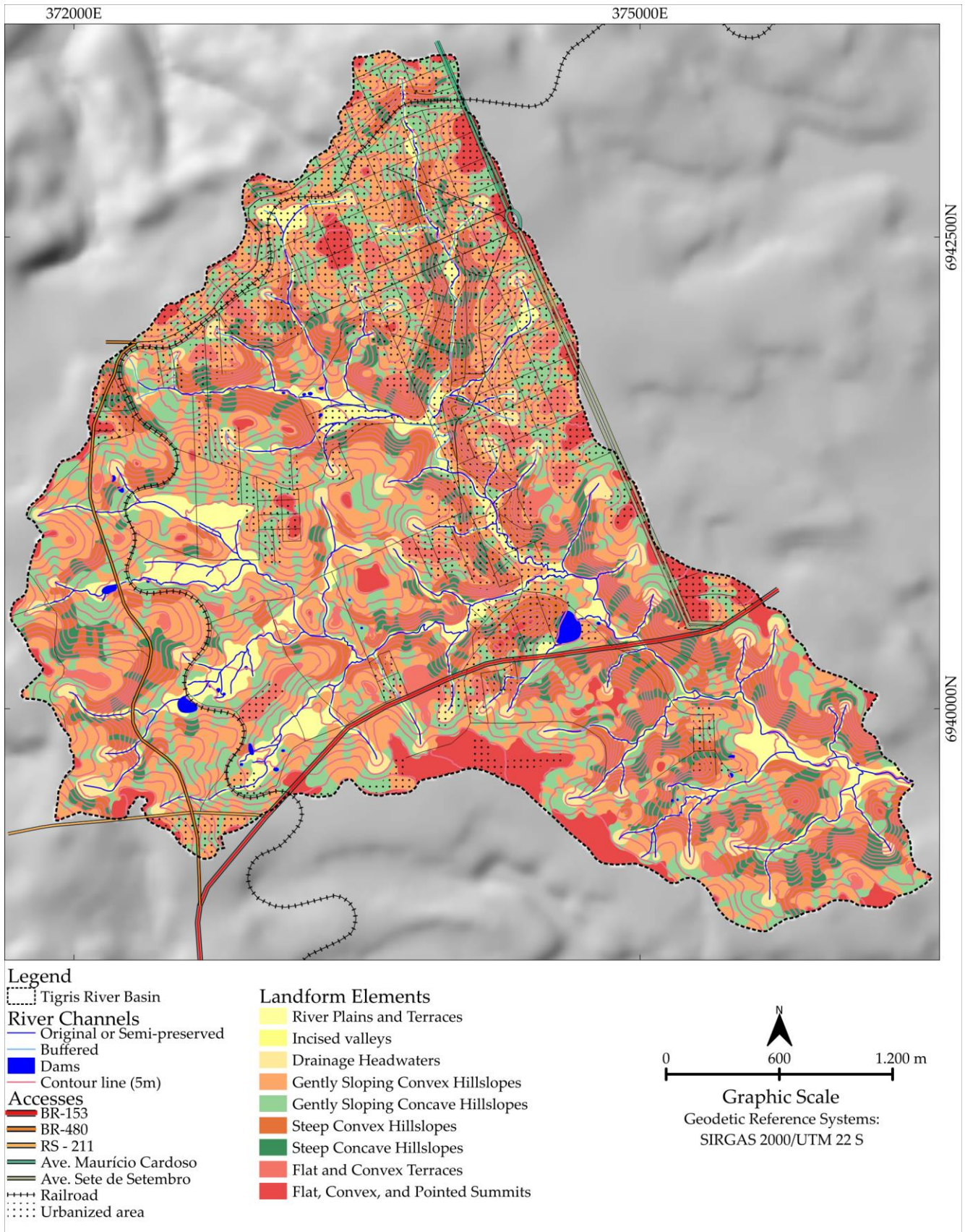


Figure S1. Urban expansion over relief elements (1975).

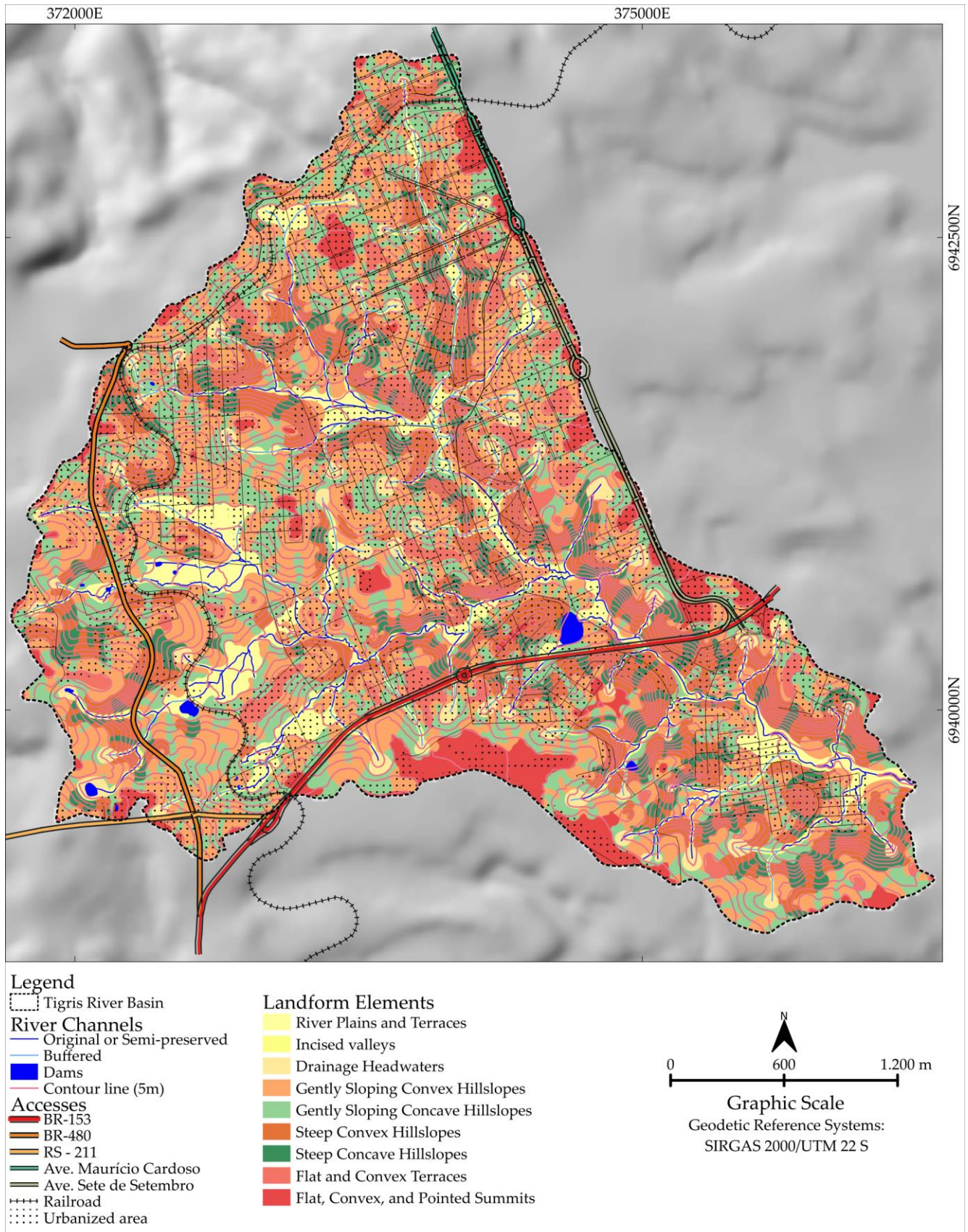


Figure S2. Urban expansion over relief elements (1989).

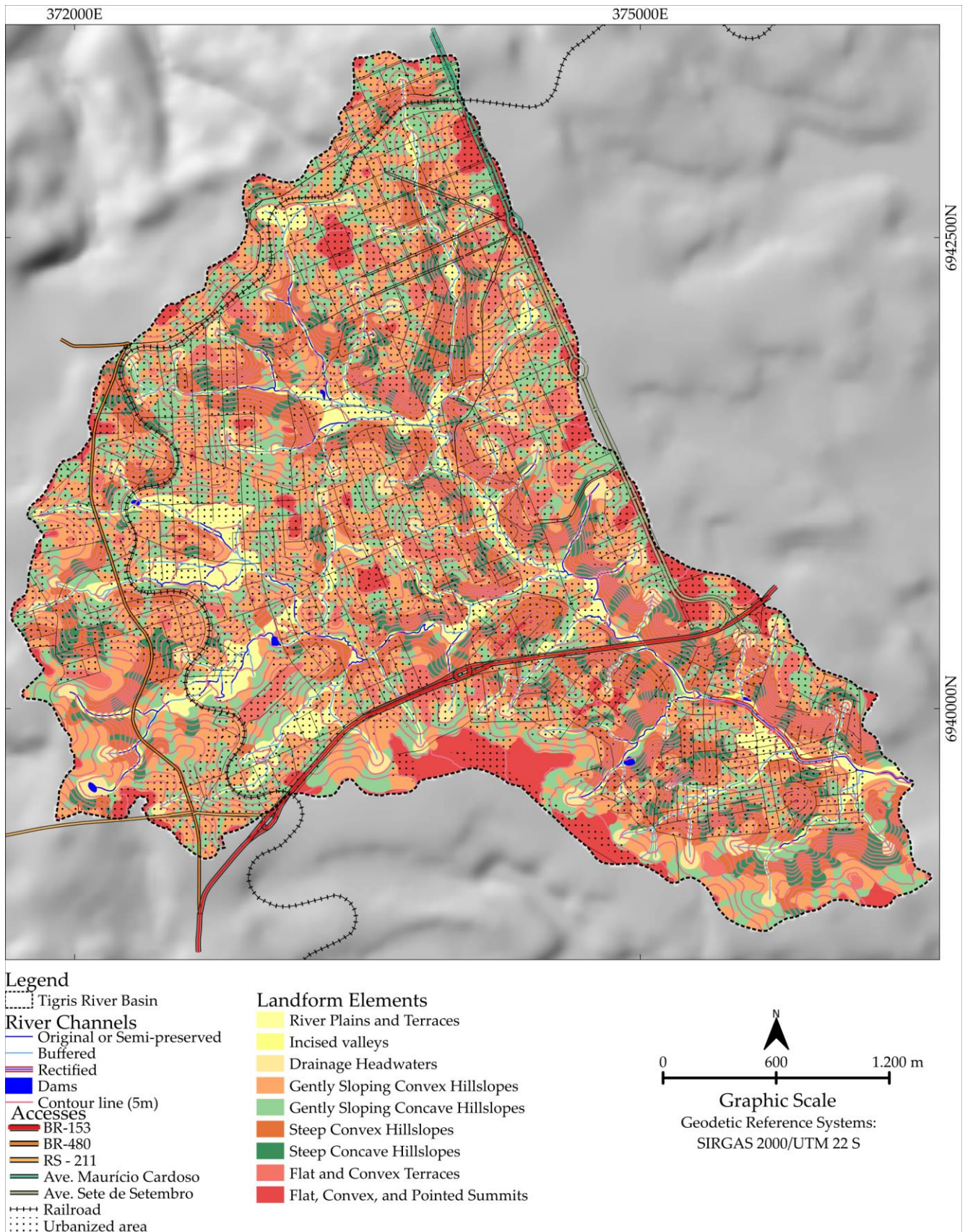


Figure S3. Urban expansion over relief elements (2010).

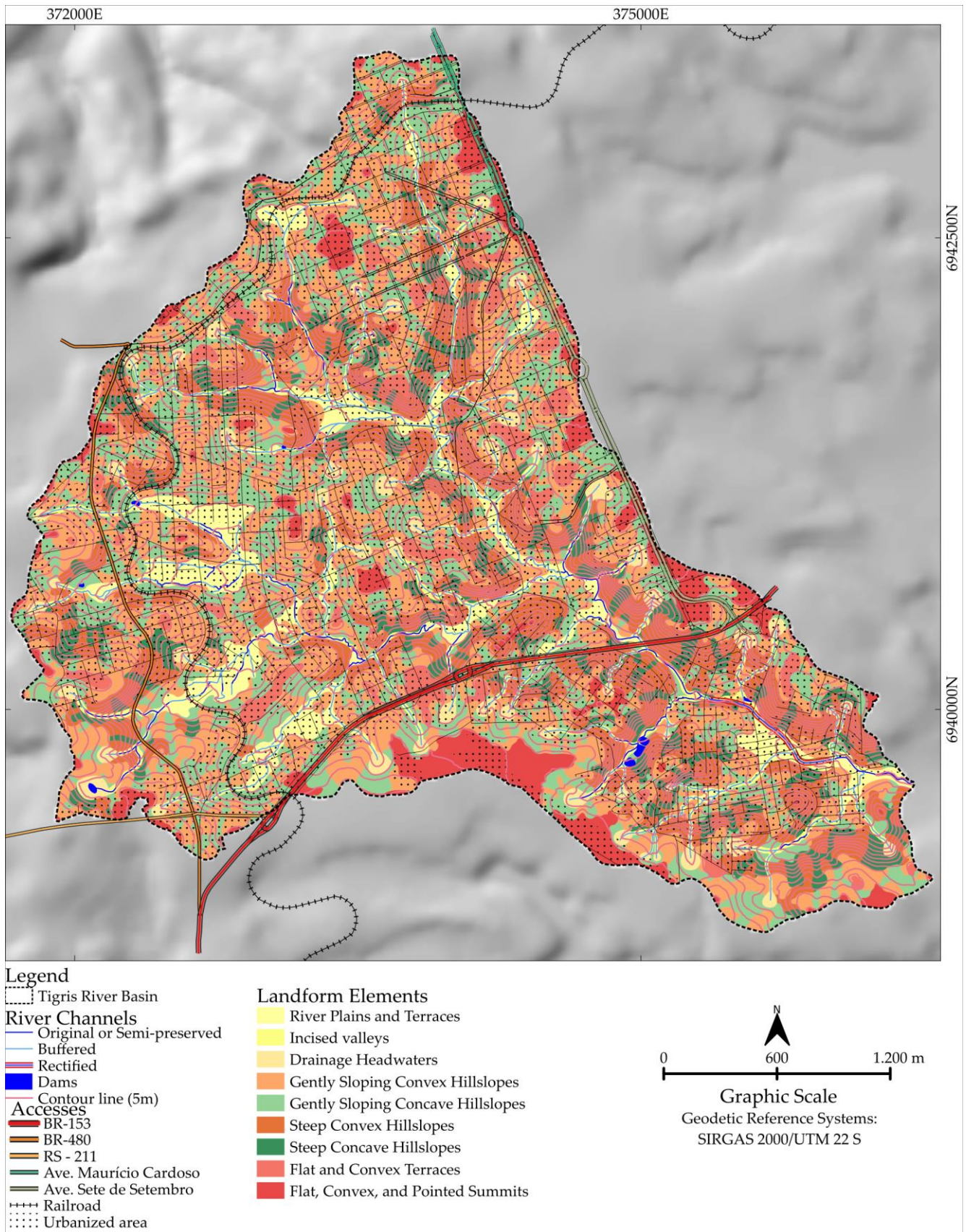


Figure S4. Urban expansion over relief elements (2023).

Supplementary Document 2: Geomorphological Map of the Tigre River Basin, Erechim, RS. Accessed at: <https://zenodo.org/records/15997052>



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