



Project Title: **Plan for Infrastructural Organization of the Renca Hills Complex**

Students Name: **Catherine Salomó**

Level: **6th Year**

Course: **Thesis**

Advisor/Instructor: **Andres Elton**

Principal Investigator: **Eduardo Lyon**

Department / School: **Facultad de Arquitectura y Urbanismo
Universidad de Chile,
Santiago, Chile**

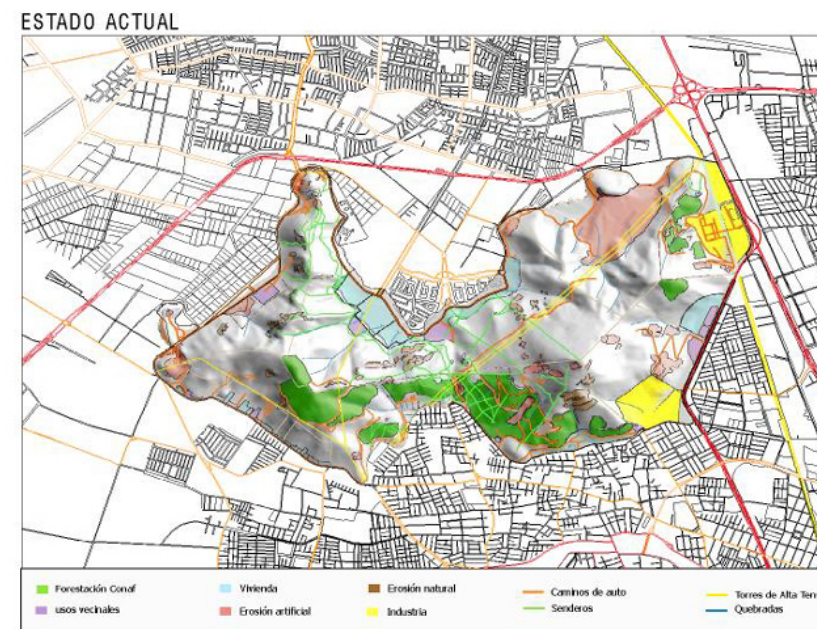
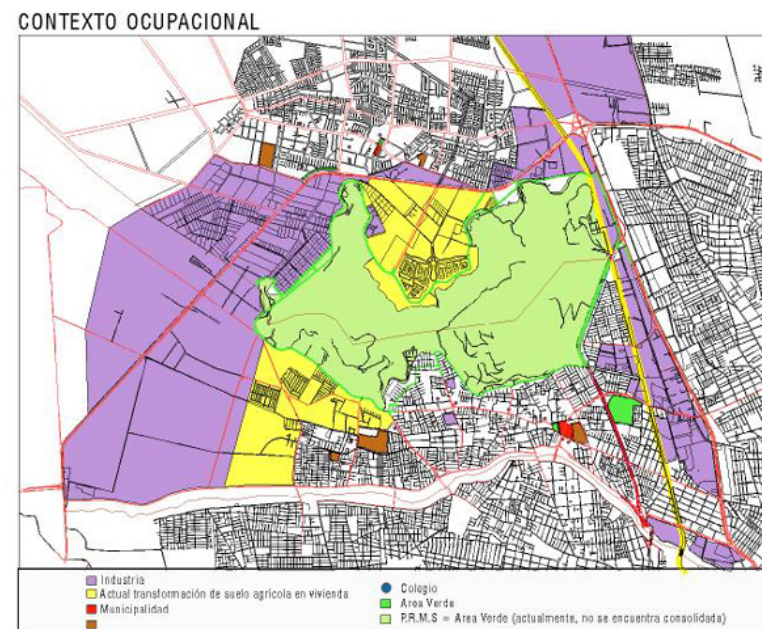
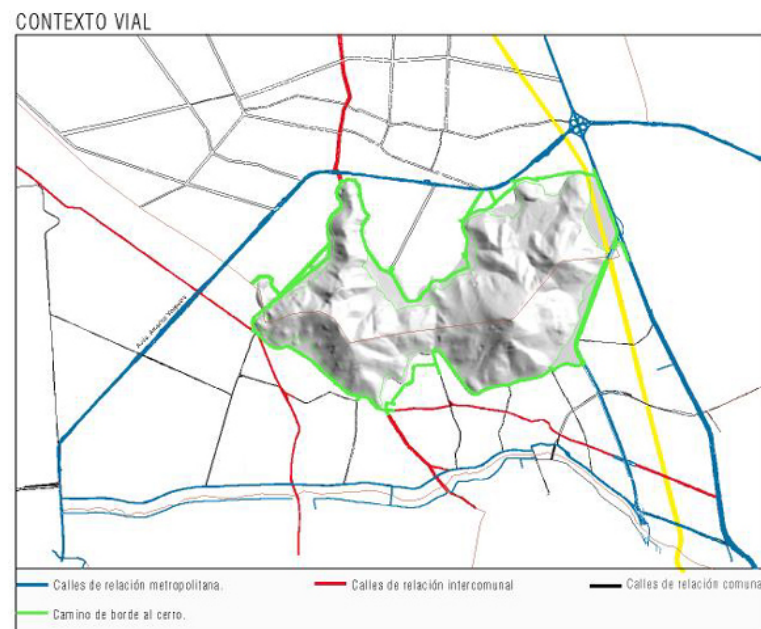
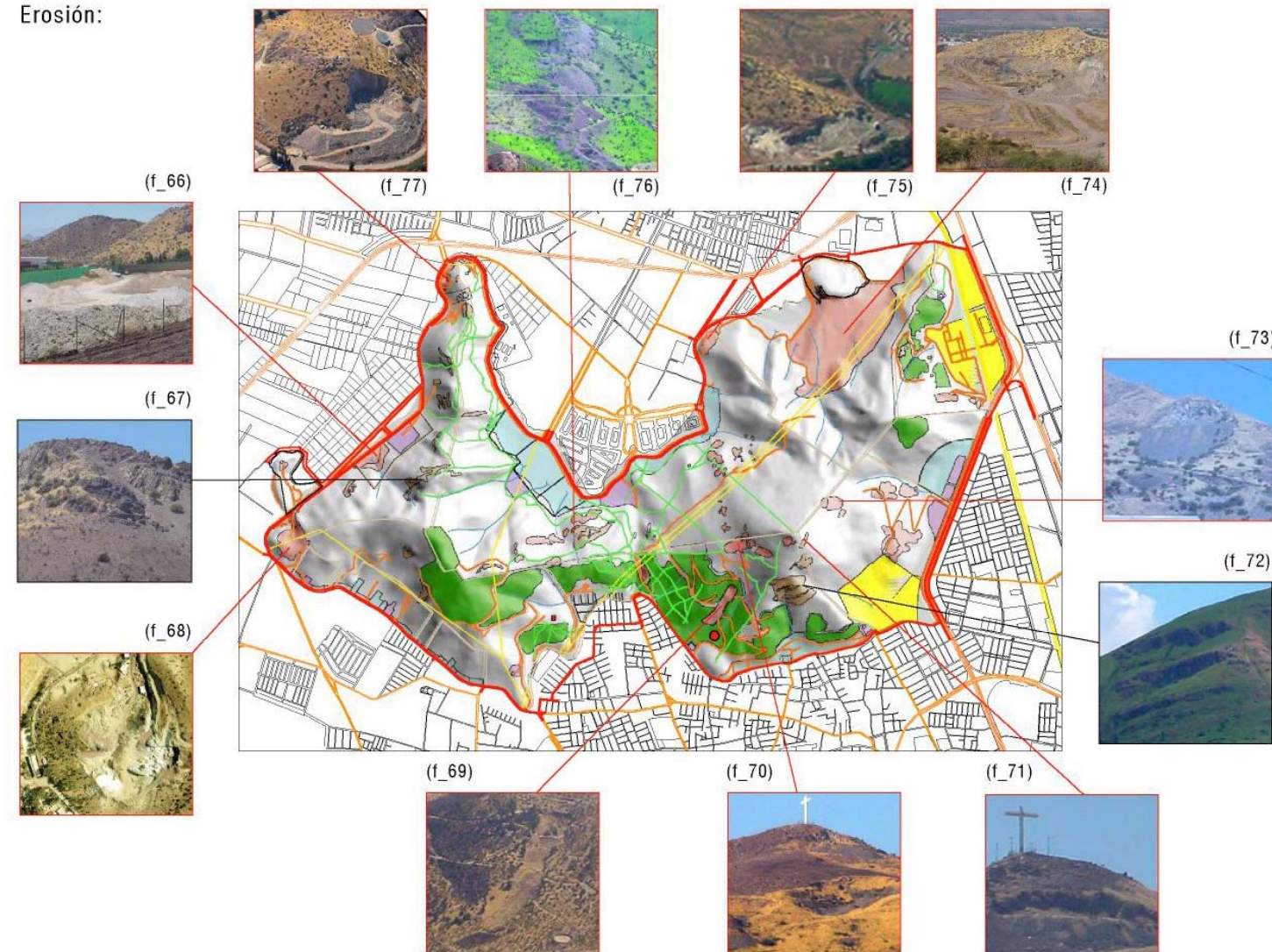
Summary description of project:

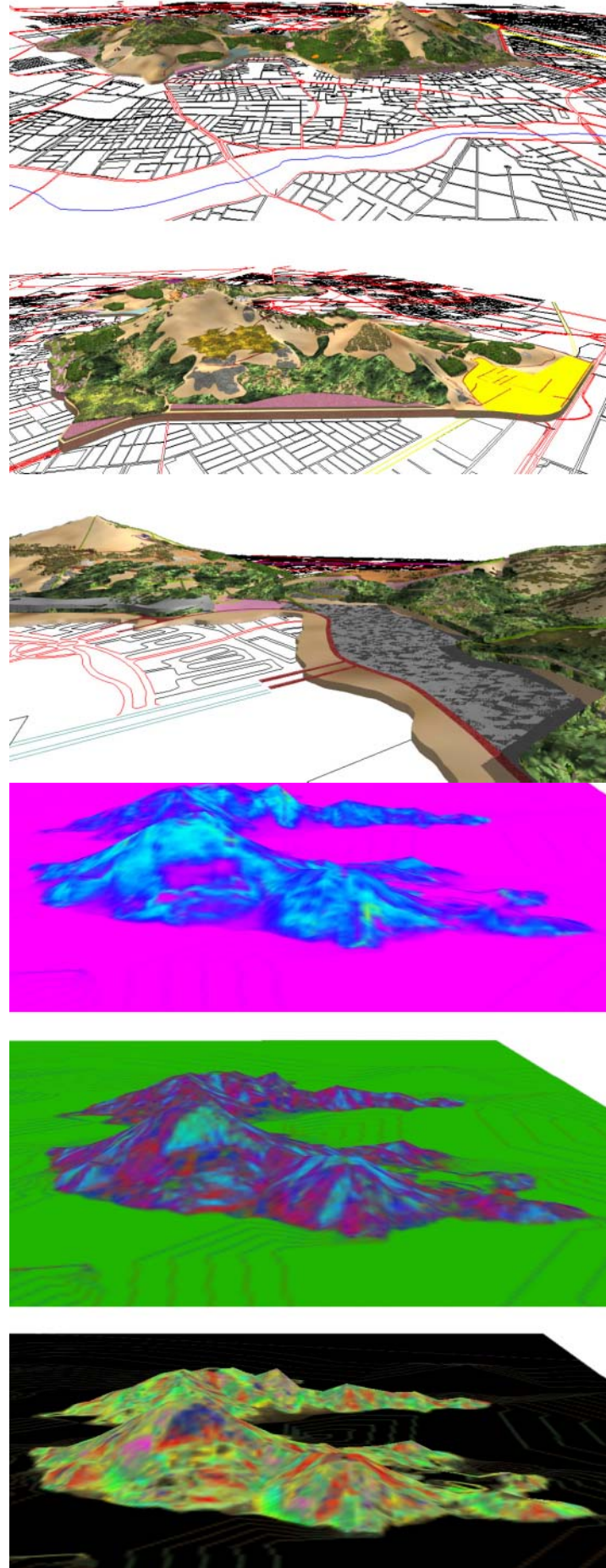
This project aims to investigate about urban identity through the analysis of the self-generated settings of the city growth and the historical relational patterns between its development and its geographic landscape. The student searches to define the relationship between the urban territory and the geographic space of the Santiago's valley as a necessary articulation between identity and organizational structure. So, she designed a master plan over a complex of isolated hills located at the middle of a suburban district, proposing a green system of parks with local/global activities, as recreational, cultural and productive programs. This green system is sustained by the diversity of places over the hills, all of them considered as part of a continuous and connected major urban context.

Reasons for the nomination:

The very original use of **form•Z**, helping the student to model the topography and elaborate a series of analyses about its context. Solar illumination and shadow area studies were made in **form•Z** as well as other studies made over the 3D model, as the slope analyses of the hills, land use and socio-economic characteristics of the neighborhood, which was generated in the GIS software Arqview. This software was used in a complementary way with **form•Z** to structure a very original analysis / design process.

Erosión:





Jury Comments

This 6th Year student thesis project demonstrates a unique approach to using **form•Z** in tandem with the GIS Software Arcview. **form•Z** allows for many multiple layers of complex information, also dictated by the ArcView System. The ability to toggle between layers of information, allows the user to make informed decisions about large scale planning ideas. Simultaneously, **form•Z** allows the author to develop specific built interventions at a much more material and spatial specific scale. This project's effective use of **form•Z** to develop both macro planning and micro specific scales is worthy of merit in the Joint Study Program.

- Kevin R. Klinger

