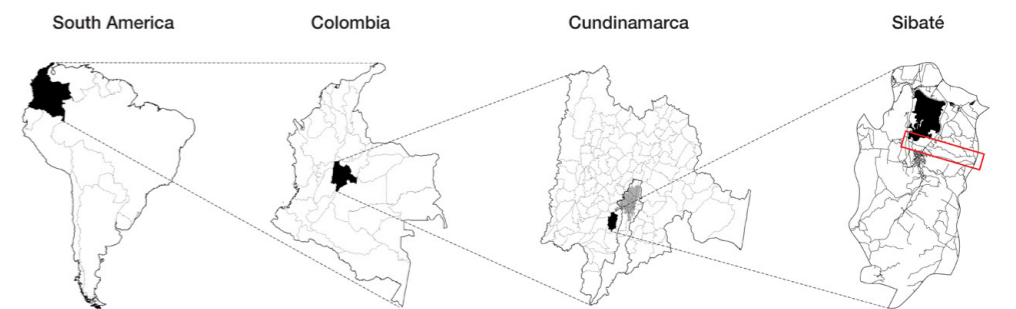
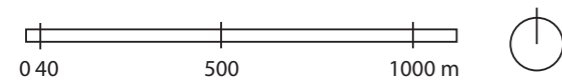


MASTERPLAN | ALL PROJECTUAL LAYERS



KEY | SITUATION MAP

MIGRATORY AMBIVALENCES OF MUÑA RESERVOIR

Country / City Colombia / Bogotá

University / School Universidad de los Andes

Academic year 2017-2018

Title of the project Migratory ambivalences of Muña reservoir

Authors Martín García Pérez

TECHNICAL DOSSIER

Title of the project	Migratory ambivalences of Muña reservoir.....
Authors	Martín García Pérez.....
Title of the course	Laboratorio Arquitectura del Paisaje.....
Academic year	2017.-2018.....
Teaching Staff	Diego Bermúdez Obregón, Pedro Aparicio Llorente.....
Department/Section/Program of belonging	Escuela de Arquitectura / Arquitectura del Paisaje.....
University/School	Universidad de los Andes.....



Written statement, short description of the project in English, no more than 250 words

The proposal redesigns the waterfront along the Muña river, between the fresh water supplying Sumapaz Paramo and Muña reservoir, and seeks to establish a cyclically expanding biodiversity reserve, productive areas and public spaces that dynamically evolve over the year according to migratory dynamics:

Three main strategies are deployed:

1. Extending the existing ecological reserves along water streams
2. Design of a productive boundary along the river: Firstly seeking to exhaust mining reserves and then undertaking a reconversion to productive activities compatible with a biodiversity reserve.
3. Design of an alternative hydraulic system that using micro-reservoirs, amphibious areas and water pulverizers that increase inertia and reversibility of the system

The project consists on a multilayered system focused on the loss of migratory ecologies areas in the Bogotá basin, future urban expansion and rural productivity. A highly protected core is established for permanent ecologies, while the adjacent seasonal productive and public areas cede area to the former in the migratory period. A pilot project is established in north Sibate, with a reserve core, linear park and productive boundary. Planting patterns with different densities are established. The productive area is oriented to the already present strawberry production, including nurseries for germination in migratory periods (minimum area required, 140 days) and growing agroforestral areas in non migratory periods (maximum area, 160 days).

For further information
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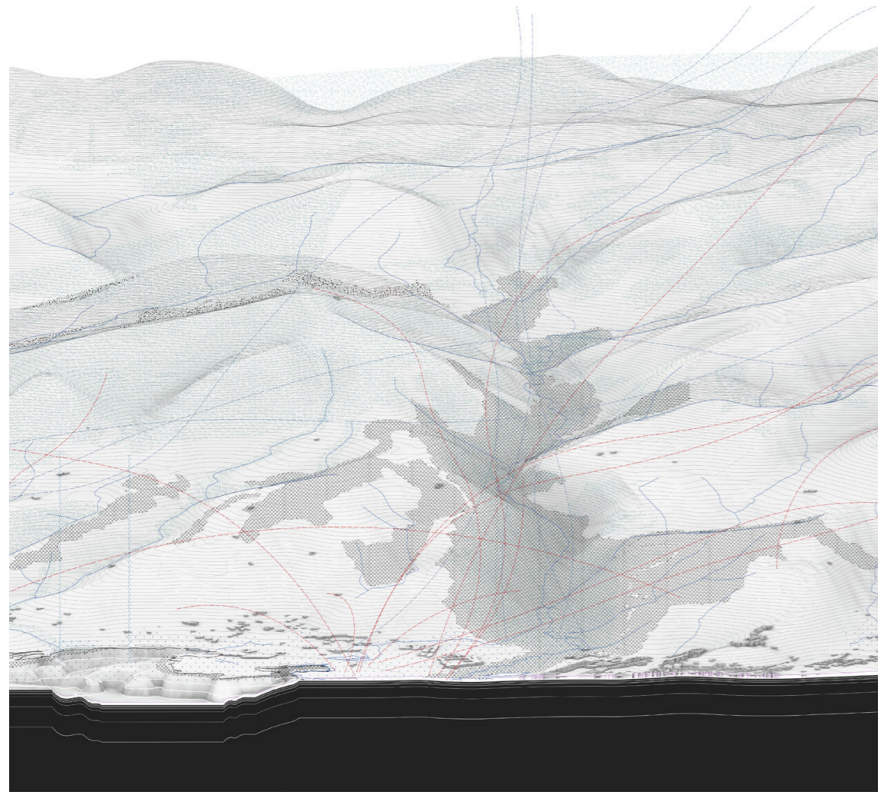
Máster d'Arquitectura del Paisatge -DUOT - UPC
ETSAB- Escola Tècnica Superior
d'Arquitectura de Barcelona
Avenida Diagonal, 649 piso 5
08028 Barcelona-Spain



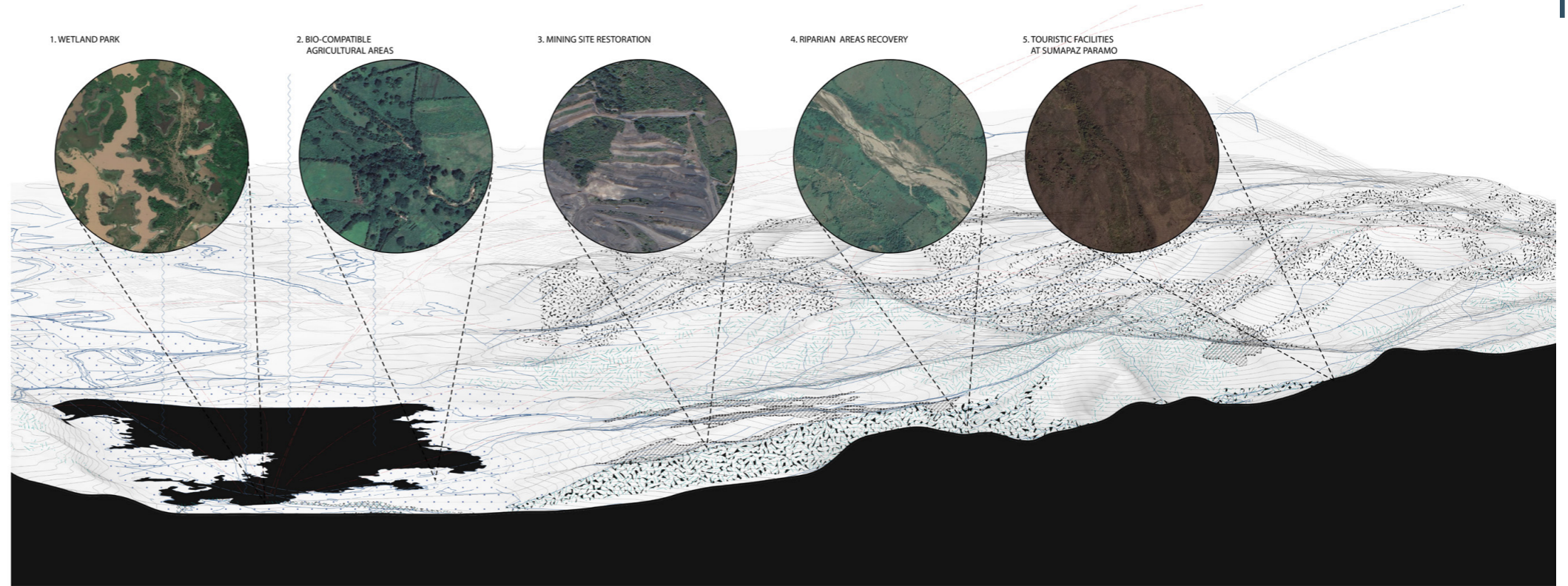
CLIMATE CHANGE AGAIN

11th International Biennial Landscape Barcelona

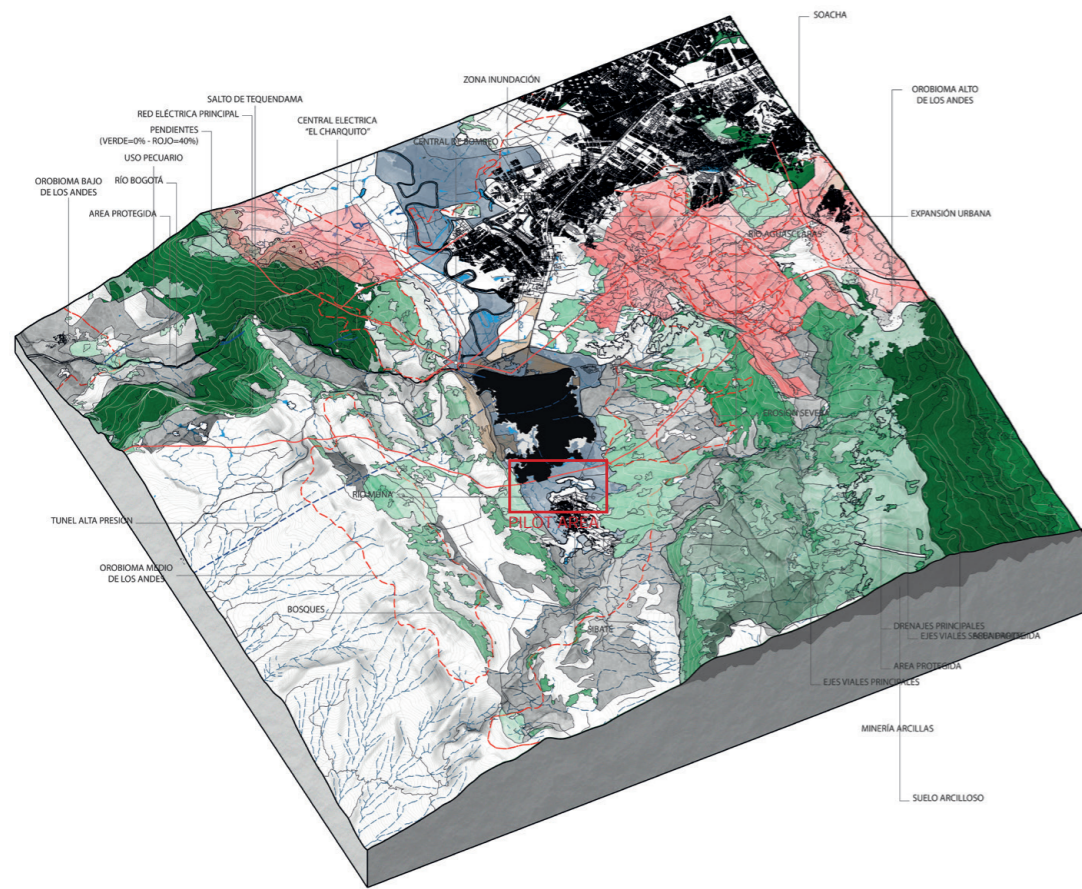
Barcelona September 2020
SCHOOL PRIZE



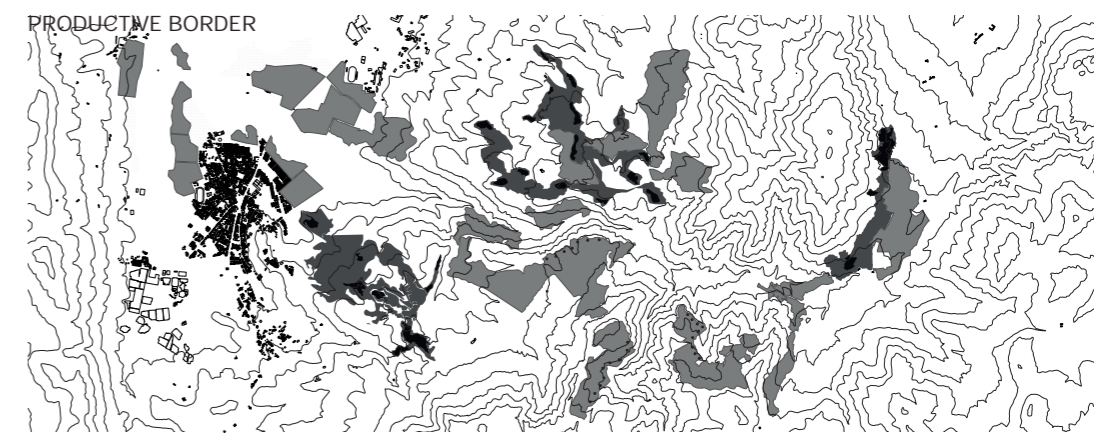
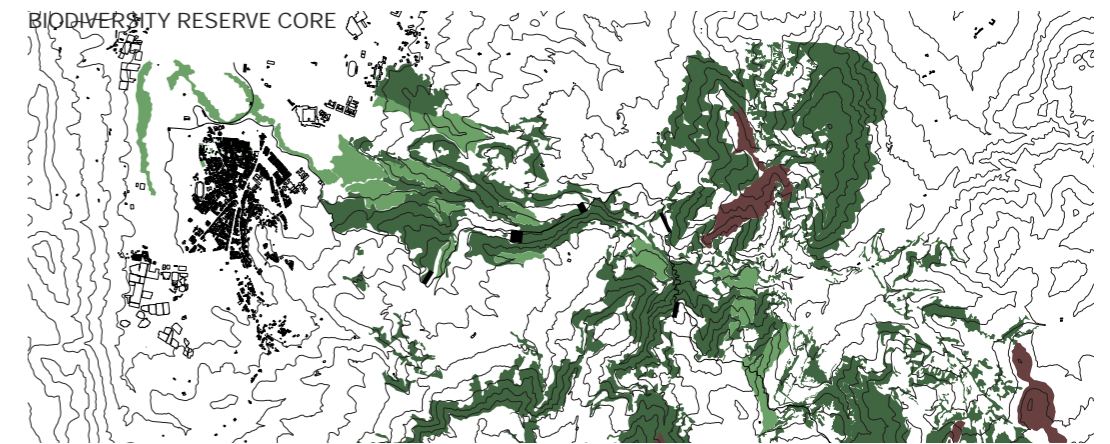
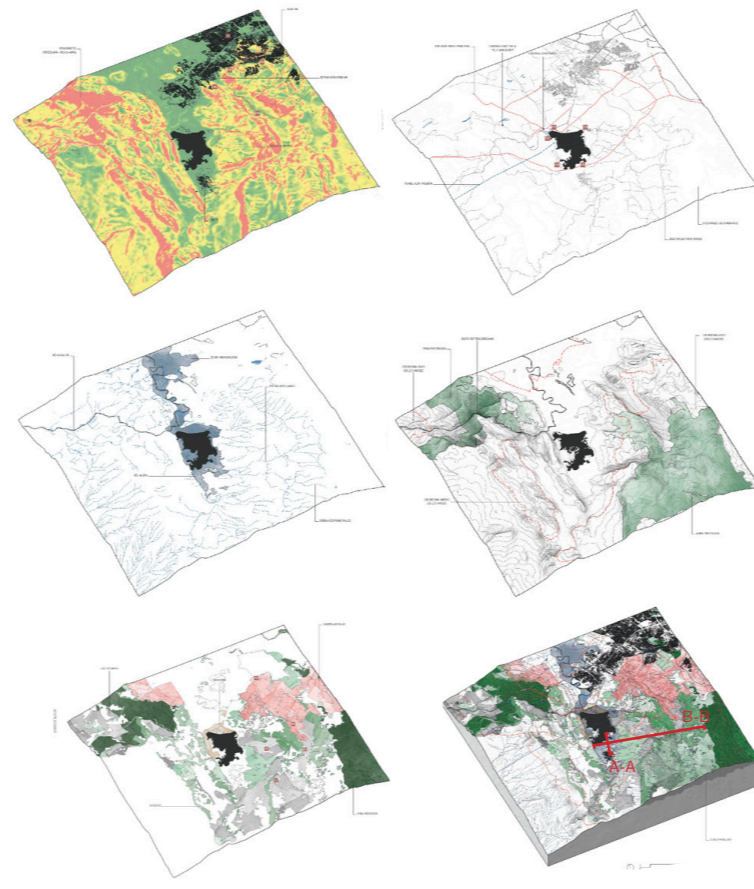
A-A | SECTION PROJECT AREA



B-B | SECTION PROJECT AREA



AXO | ANALYSIS OF THE ARE, POTENTIAL



LAYERS | PROGRAMMING OF THE AREA



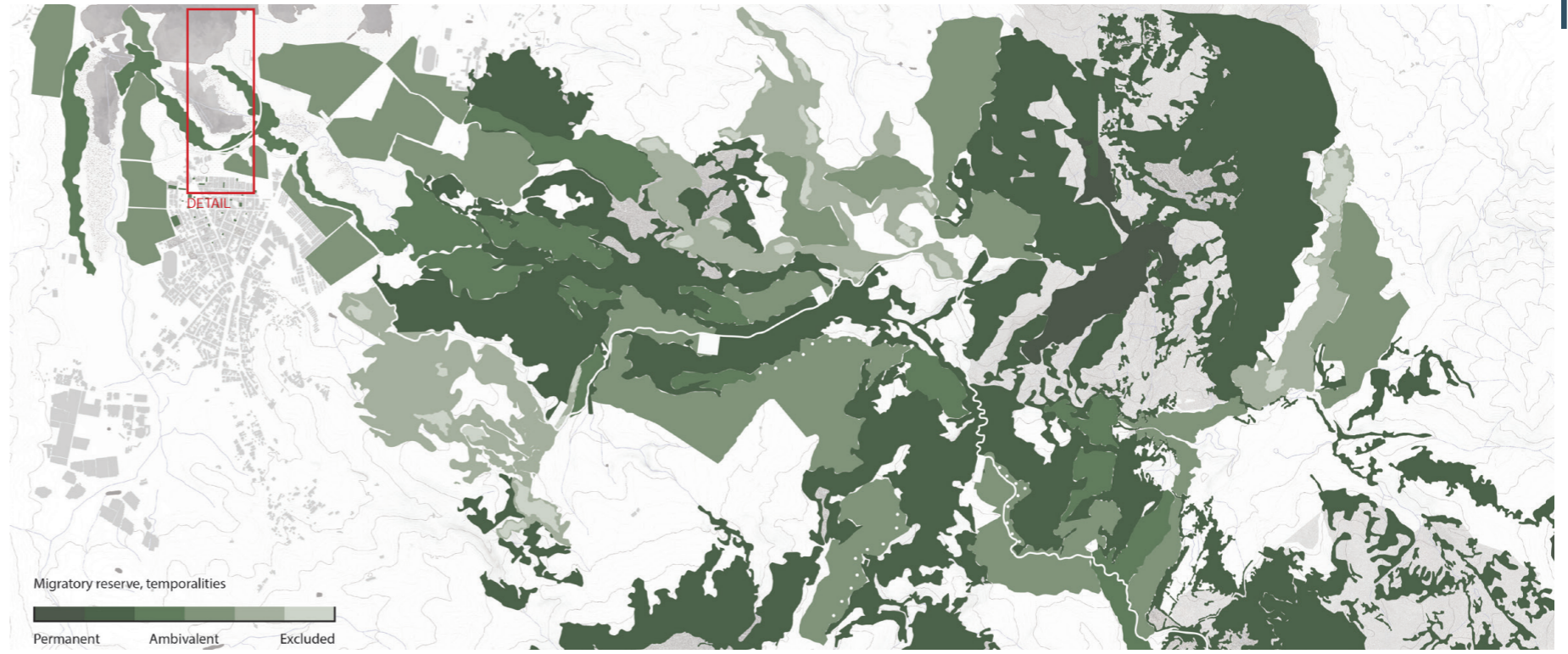
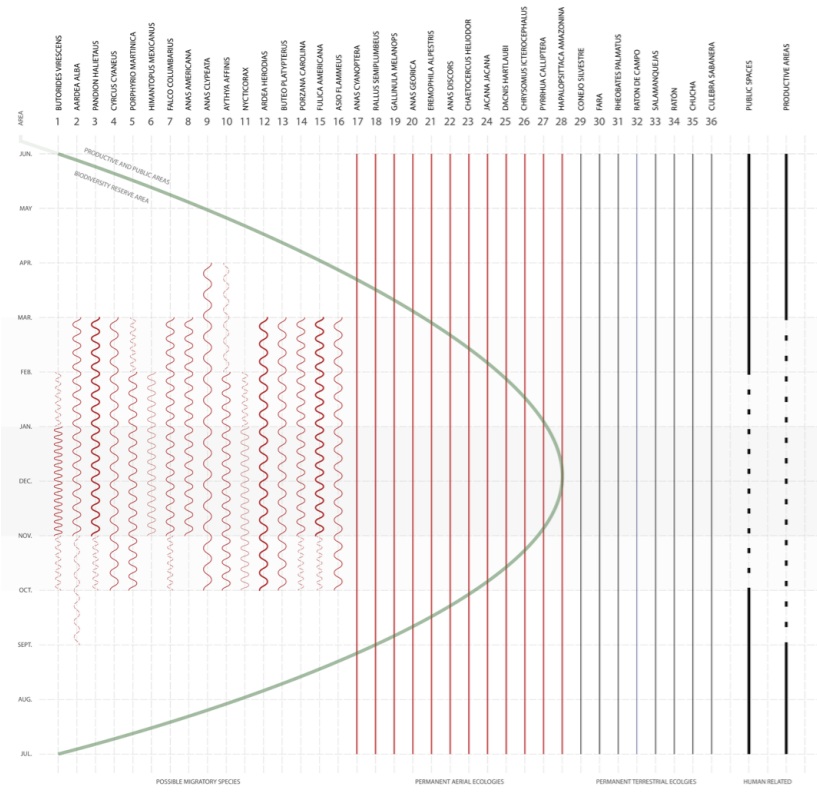
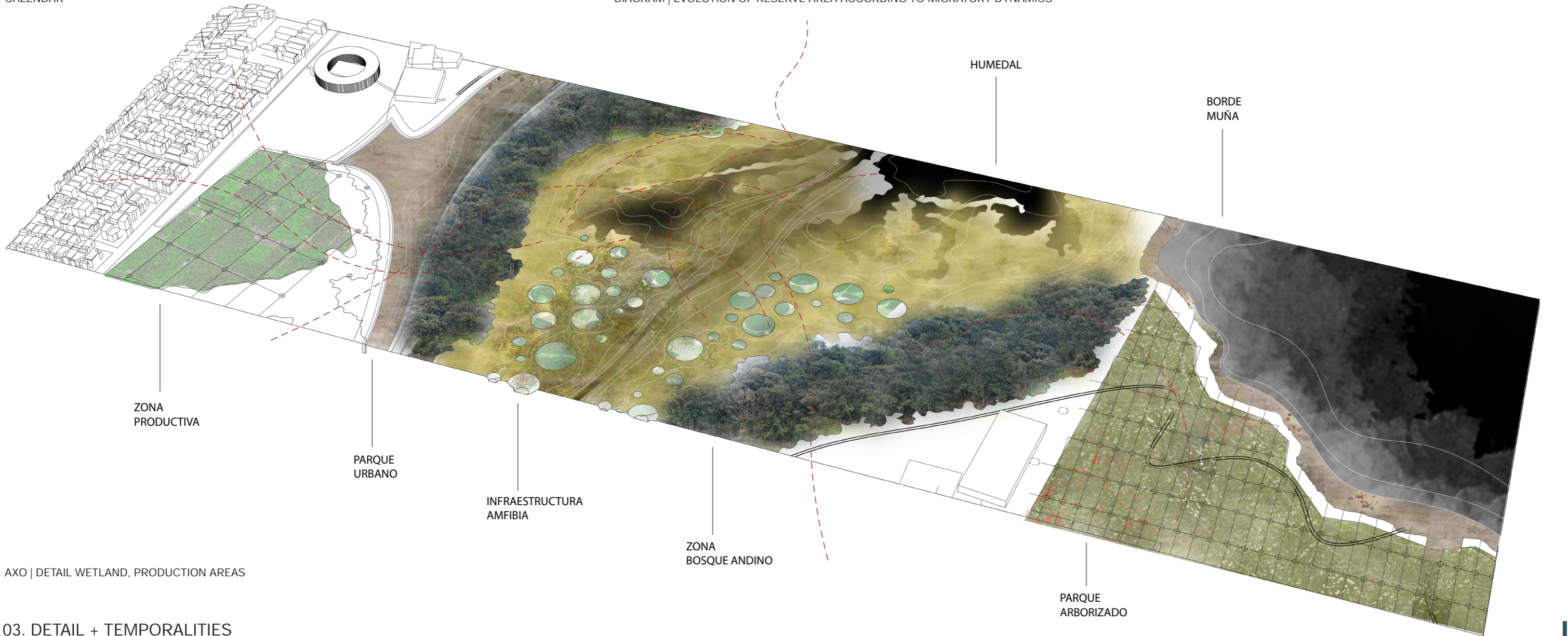


DIAGRAM | EVOLUTION OF RESERVE AREA ACCORDING TO MIGRATORY DYNAMICS

CALENDAR



AXO | DETAIL WETLAND, PRODUCTION AREAS