

Country / City	United States / New York
University / School	The City College of New York / SSA
Academic year	2017-2018
Title of the project	BUILDING WASTELAND
Authors	Ashleigh Bancel





PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 Barcelona SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC
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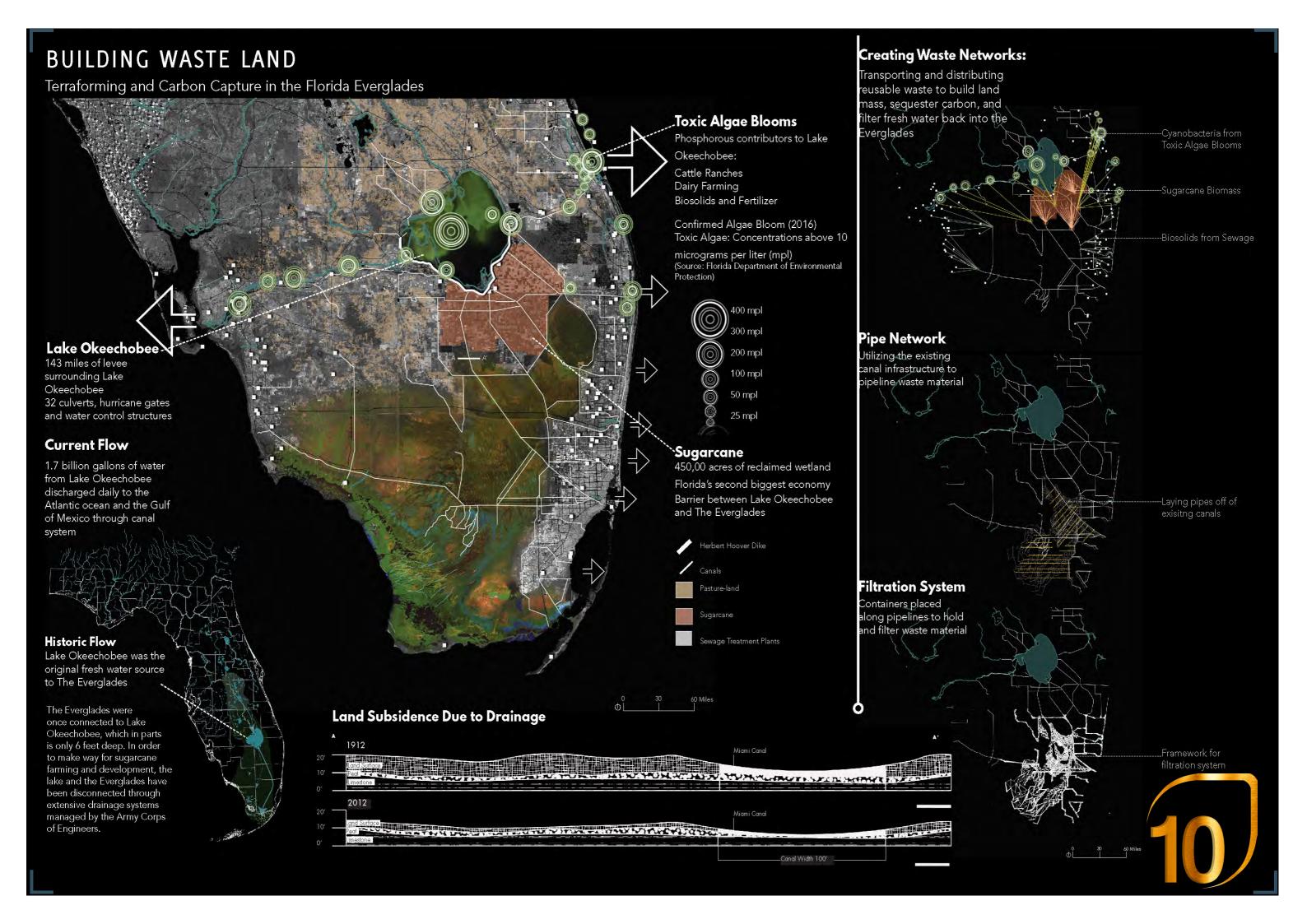
TECHNICAL DOSSIER

Title of the project Authors Title of the course Academic year Teaching Staff Department/Section	BUILDING WASTELAND Ashleigh Bancel Comprehensive Studio S 2018 Catherine Seavitt Nordenson / Matthew Seibert /Program of belonging Graduate Landscape Architecture	
University/School	The City College of New York / SSA	
Written statement, short description of the project in English, no more than 250 words		
To utilize South Florida's extensive canal infrastructure in order to transport and distribute recycled		
waste down into the Everglades. In turn, this process will build land mass, supply fresh water, and		
capture carbon. The building of landmass, will help mitigate sea level rise as well as transform the		
Everglades existing ecology. This transformation will generate a new kind of landscape across the		
Everglades, the e	xact outcomes can only be a speculation, but the potential for new life forms and the	
emergence of pro	ductive biodiversity is critical to consider at this age of environmental degradation and	
uncertainty.		

For further information

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Peat Building Overtime

Forming Land Mass Through Filtration Network

Using existing infrastructure i.e, Army Corps of Engineers maintain canals used to manage water and run-off in and around Lake Okeechobee. It is possible to transport and then sequester the bio material that has been burning and flushing for hundreds of years. This material can provide both carbon capture and increase land mass.

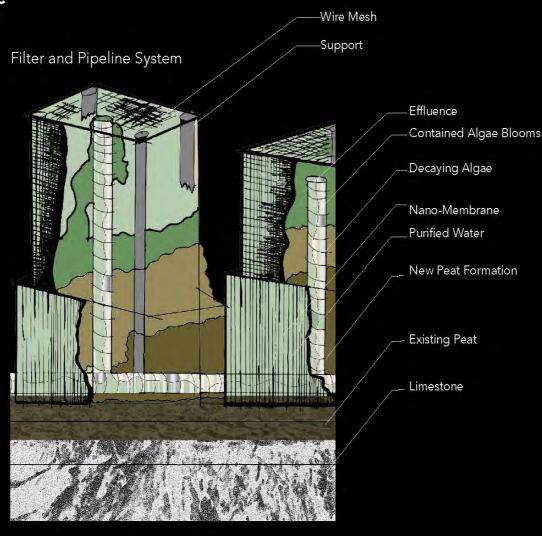
Types of usable waste in Florida:

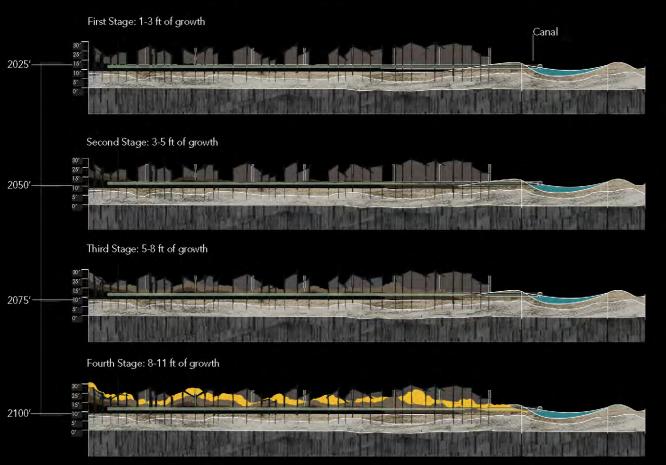
a) Bio Solids (sewage)

b) Micro Algae (from
toxic Algae blooms occurring
within Lake Okeechobee)

c) Sugar Cane Biomass
[400,000 acres a year of
sugarcane excess is burned)

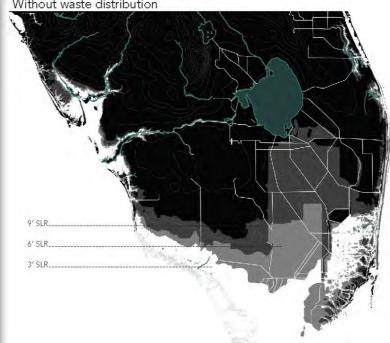
In each case-filtration and sequestration methodologies may vary, but the core concept remains. To deploy containments structures to store and over time terraform new land mass. As well as restore fresh water back into the everglades, that will ultimately prevent furthering land subsidence.



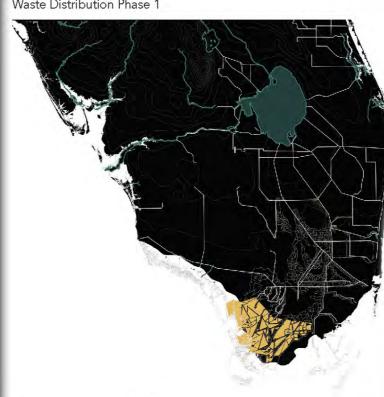


Using Waste Network to Mitigate Sea Level Rise

Projected Sea Level Rise



1' Sea Level RiseWaste Distribution Phase 1



60 Mile

3' Sea Level Rise

Waste Distribution Phase 2

6' Sea Level Rise

Waste Distribution Phase 3

9' Sea Level Rise



