

Chapter 2

The generation of action in
a changeful environment

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A team work for the
participation of the workshop
Sets alluvium ,2004.

變動中的活動衍生

2004 台灣地貌改造運動特展
之 水都台北社子島改造計劃

討論建築如何對應社子島漲退
不定的水環境，以模矩化的空
間架構，置入不同活動，組織
一套對應性的地景系統。應用
材料性的單元特性，去創造出
不同的空間型態

This project deals with
hard and unstable
situations of floods .Our
strategy is to fit different
programs with module
structure into space. In
addition to that, we
organized a new system to
correspond with the
landscape.



Sets alluvium

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Nature Reserves Zone



自然保護區

挖仔尾
自然保留區

台北縣八里淡水河出海口沿岸

竹圍紅樹林
自然保留區

竹圍附近淡水河沿岸

水筆仔

渡關
自然保留區
水鳥

台北市關渡提防附近

台北市
野雁保護區
及

中興橋至永福橋間公有河川地
水域 水鳥及稀有



●關渡紅樹林保護區

基隆河

社子島

淡水河

Nature Reserves Zone

River

Sets island

River



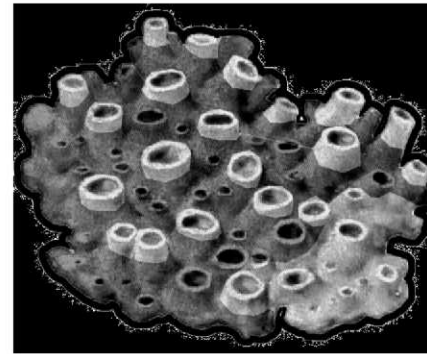
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Design follow TIDE

●潮汐升降地盤

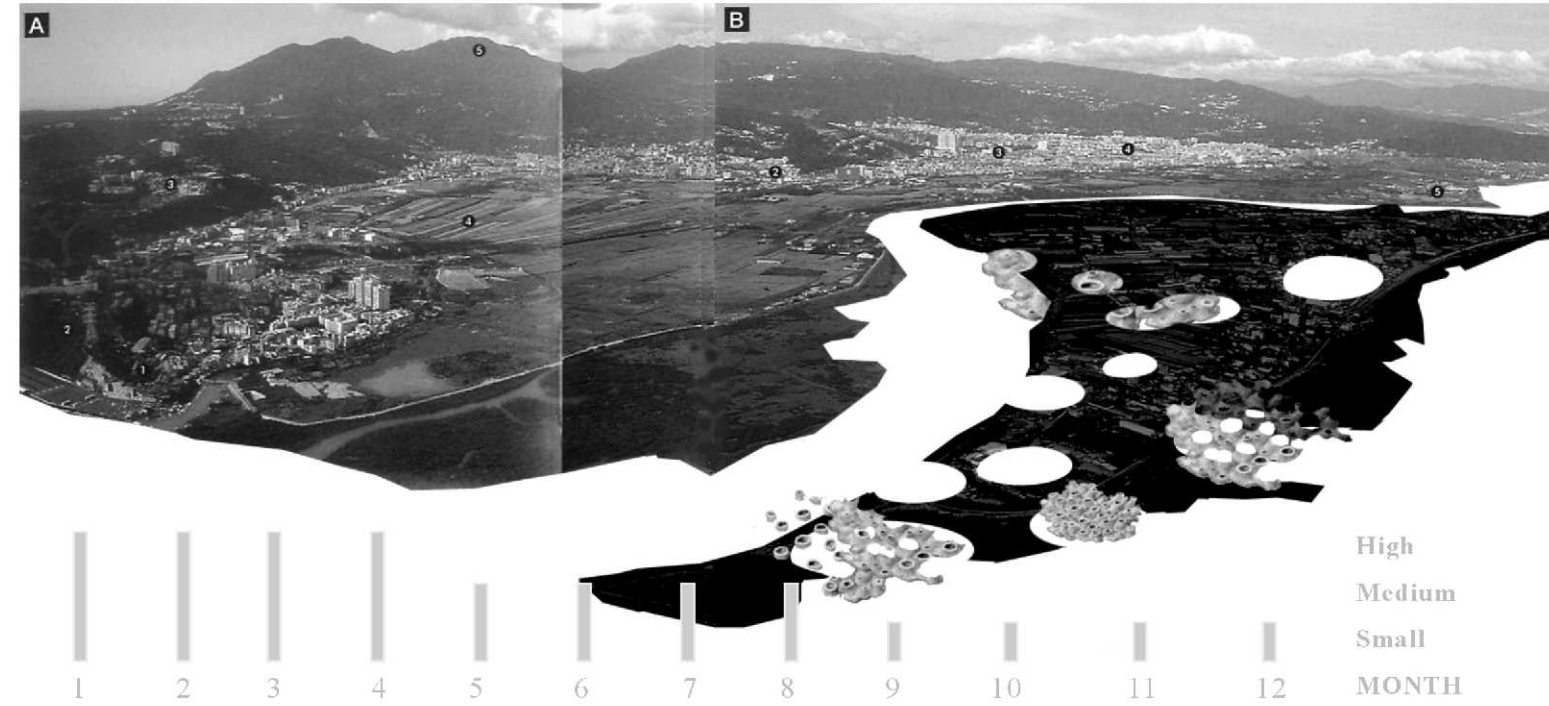
社子河口從九月起，有長達五個月的冬候鳥觀察期，每個月都會有最佳觀察日，通常以農曆初一至初五與十六至二十的十天是最佳觀察日。



Coral

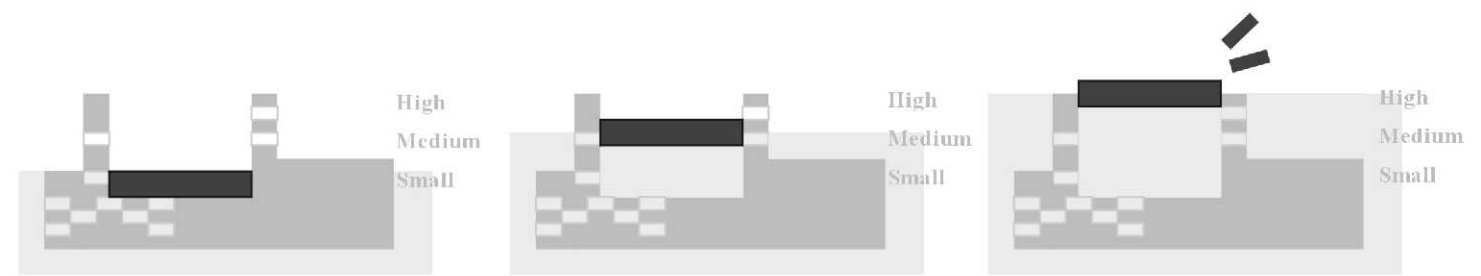
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Design follow TIDE

After



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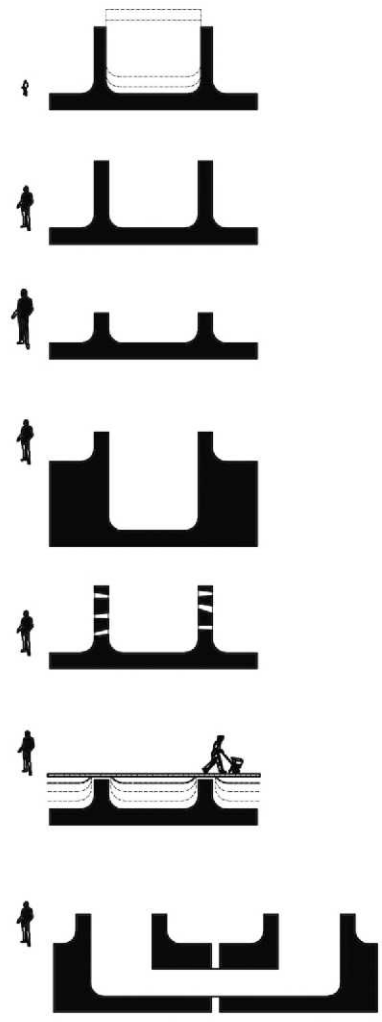
25

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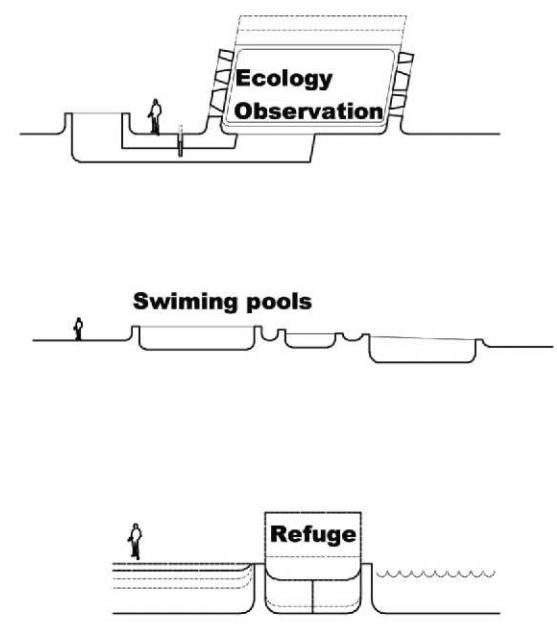
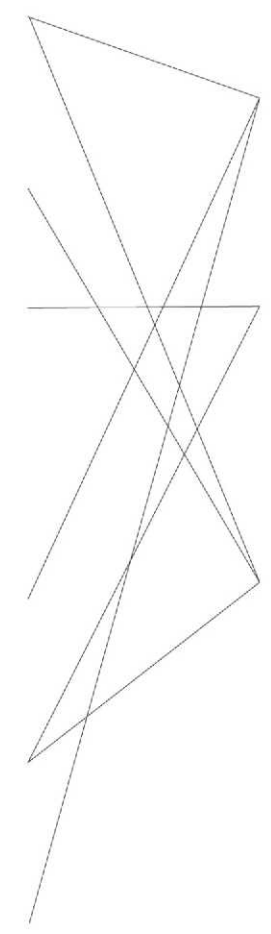
Methodology
Growing design thinking

Basic Elements **+** **Program** **+** **Tide effect** **+** **Birds' life** **+** **Food Chain**

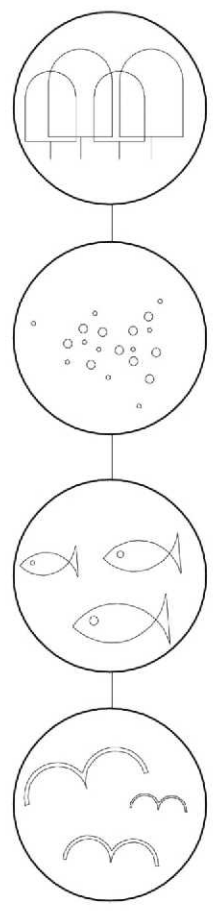
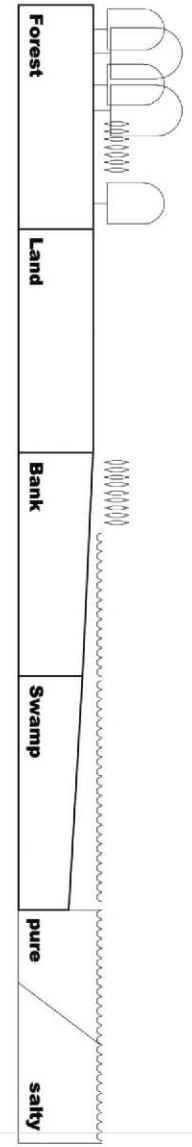
- Type A**
Bulging scale
- Type B**
Wall scale
- Type C**
Step scale
- Type D**
Digging in
- Type F**
Hole
- Type E**
connection Bridge when tide up
- Type G**
under Connection



.....etc



.....etc



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Ecological concept
By weather &
Growing design thinking

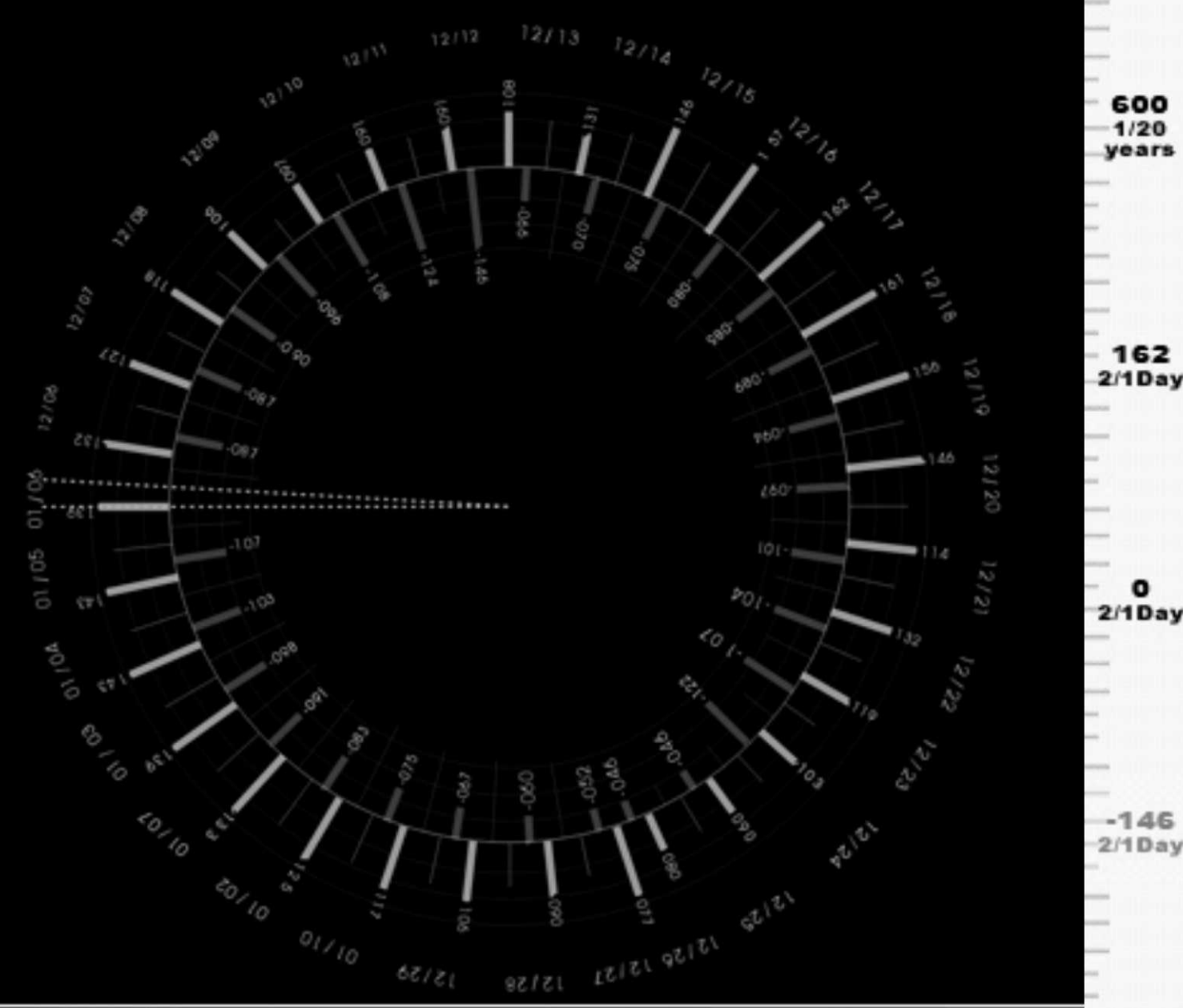
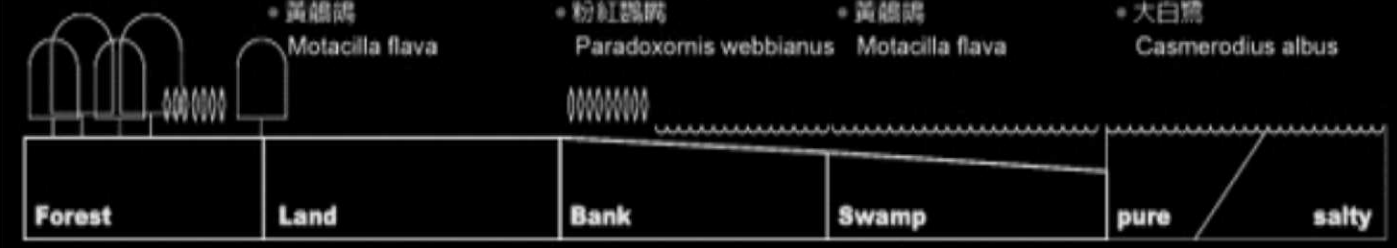
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Spring
>>Summer

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> • 紅鳩
Streptopelia tranquebarica • 紅冠水雞
Gallinula chloropus • 青足鵞
Tringa nebularia • 藍翅鵞
Tringa glareola • 田鵞
Gallinago gallinago • 黃頭鵞
Bubulcus ibis • 紅尾伯勞
Lanius cristatus • 大卷尾
Dicurus macrocercus • 八哥
Acridotheres cristatellus • 白頭翁
Pycnonotus sinensis • 褐頭鷓鴣
Prinia inornata • 綠繡眼
Zosterops japonicus • 粉紅鸚鵡
Paradoxornis webbianus • 黃鹪鴉
Motacilla flava | <ul style="list-style-type: none"> • 小水鴨
Anas crecca • 青足鵞
Tringa nebularia • 磯鵞
Tringa hypoleucos • 東方環頸鴉
Charadrius alexandrinus • 夜鶇
Nycticorax nycticorax • 小白鶇
Egretta garzetta • 大白鶇
Casmerodius albus • 黃頭鵞
Bubulcus ibis • 黃鹪鴉
Motacilla flava | <ul style="list-style-type: none"> • 花鶇鶇
Anas poecilorhyncha • 小水鴨
Anas crecca • 紅冠水雞
Gallinula chloropus • 磯鵞
Tringa hypoleucos • 東方環頸鴉
Charadrius alexandrinus • 大白鶇
Casmerodius albus |
|---|---|--|

CONCEPT
METHODOLOGY



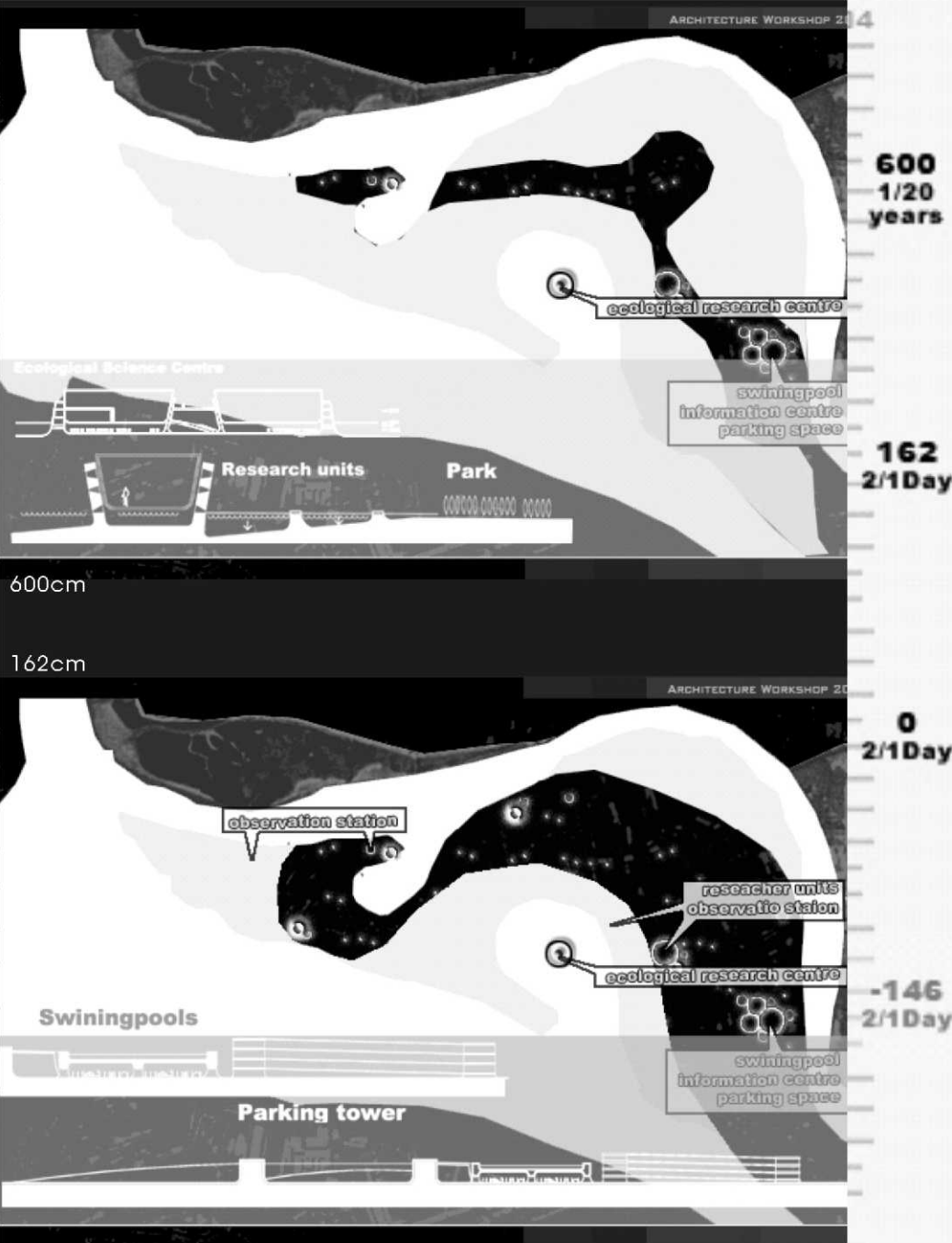
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Detail of structure in different tide.



CONCEPT

METHODOLOGY

ZONE

PROGRAME

TRAFFIC

HUMANE

DETAIL



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The traffic way in different tide even in the emergency .



600cm

162cm

0 cm

-146cm

floating skin as emergency path

water carriage

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Zonary plan in different tide.

