GENERAL IDENTITY OF THE AREA

HISTORICAL DIAGRAMMS

APPROACH TO WATERFRONTS

VISION OF FUTURE MASTHAMNEN AREA

SEA LEVEL RISES

CONDITIONS OF THE AREA

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RE-IMAGINING THE WATERFRONT
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SITE ANALYSIS

1. PUBLIC FIGURES - exist in spots, but are not connected to each other.
2. TRANSITIONAL SPACE - the waterfront lacks functionality.
3. ROAD INFRASTRUCTURE - connects to other areas but is making the area less accessible.
4. NATURAL SLOPE - the existing infrastructure is not physically or programmatically connected with the waterfront.

CONNECTION

1. CRUISE BOATS - the waterfront lacks visibility.
2. GREEN AREAS - green elements are missing from the waterfront.

GREEN AND BLUE

1. BUILDING STRUCTURES - big structures work as a barrier.
2. BOATS - bring an addition to the area.
3. ENABLING PLACES - area of parking places become barrier to the pedestrian.
4. BIKE PATHS - need for the pedestrian path to be legible.

ACCESSIBILITY TO THE WATER

1. PROGRAM CLOSED TO THE WATER - specific spots that are welcoming to pedestrians.
2. TRANSITIONAL SPACE - points for tourists to come and go to and from the area.

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The canal works as a protective element in extreme conditions. When there is any storm or in case of sudden sea level rises, the canal opens and becomes a free flow element with another path for the water to go. In that case, the canal is full of water and some parts might be flooded, but the connections of the area are still working.

Normal condition, Canal works as a production element

The canal works in the production process most of the time. The water centre works to control how much water will be at the canal. With filtering the water, the canal will support the area with clean water. The seawater from the sea will be used for the vegetation. The filtered water being transferred to the vertical farming and to the greenhouses of the area.

Dry condition, Canal works as a social element

The canal during summer will be more dry than usual. On that situation, the canal will work more as a social element. The whole canal will be surrounded by social and commercial activities to support the needs of the area. A lot of green places will connect with the canal and become a nice environment not only for the people who live there but also for the whole Stockholm.