

Country /City	United Kingdom, Newcastle upon Tyne
University / Schoo	Newcastle University/ School of Architecture Planning and Landscape
Academic year	2022 - 2023
Title of the project	t Experimental: Destruction - Recreation
Authors	Aditi Shinde
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# TECHNICAL DOSSIER

Title of the project	Experimental: Destruction - Recreation	
Authors		
Title of the course	Aditi Shinde	
	Master of Landscape Architecture / Design Thesis - APL 8012	
Academic year	2022 - 2023	
Teaching Staff	Robert Golden, Usue Ruiz Arana	
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·····	Landscape Architecture	

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

Postindustrial sites are a legacy of the industrial age that has contributed to nation building in the past. However, such sites also leave behind industrial waste materials. The site chosen for the following project is in Pallion, a former ship building yard in Sunderland in the North East of England. Ship building yards come and go, leaving behind large amounts of inert industrial wastes like concrete, which are taken over and broken down by natural elements like water and vegetation with time. Water is visualized as a constructive and destructive element, and is a critical factor for the ship building industry.

Reflecting on site history and exploring the parallel relationship between natural factors present on site with concrete drives the design that reclaims this postindustrial site. Therefore, the project 'Experimental: Destruction - Recreation', explores the potential of erosion of concrete by existing elements on site: water and transgressive vegetation. The project seeks to identify and facilitate natural processes on site that follow a pattern of destruction and recreation, to encourage alternative methods of industrial land reclamation. Concrete is eroded by water, facilitating the release of alkalis and precipitation of calcium carbonate, leading to concrete's destruction. This is seen as an opportunity and experimentally explored to establish shallow alkaline calcareous grasslands.

For further information

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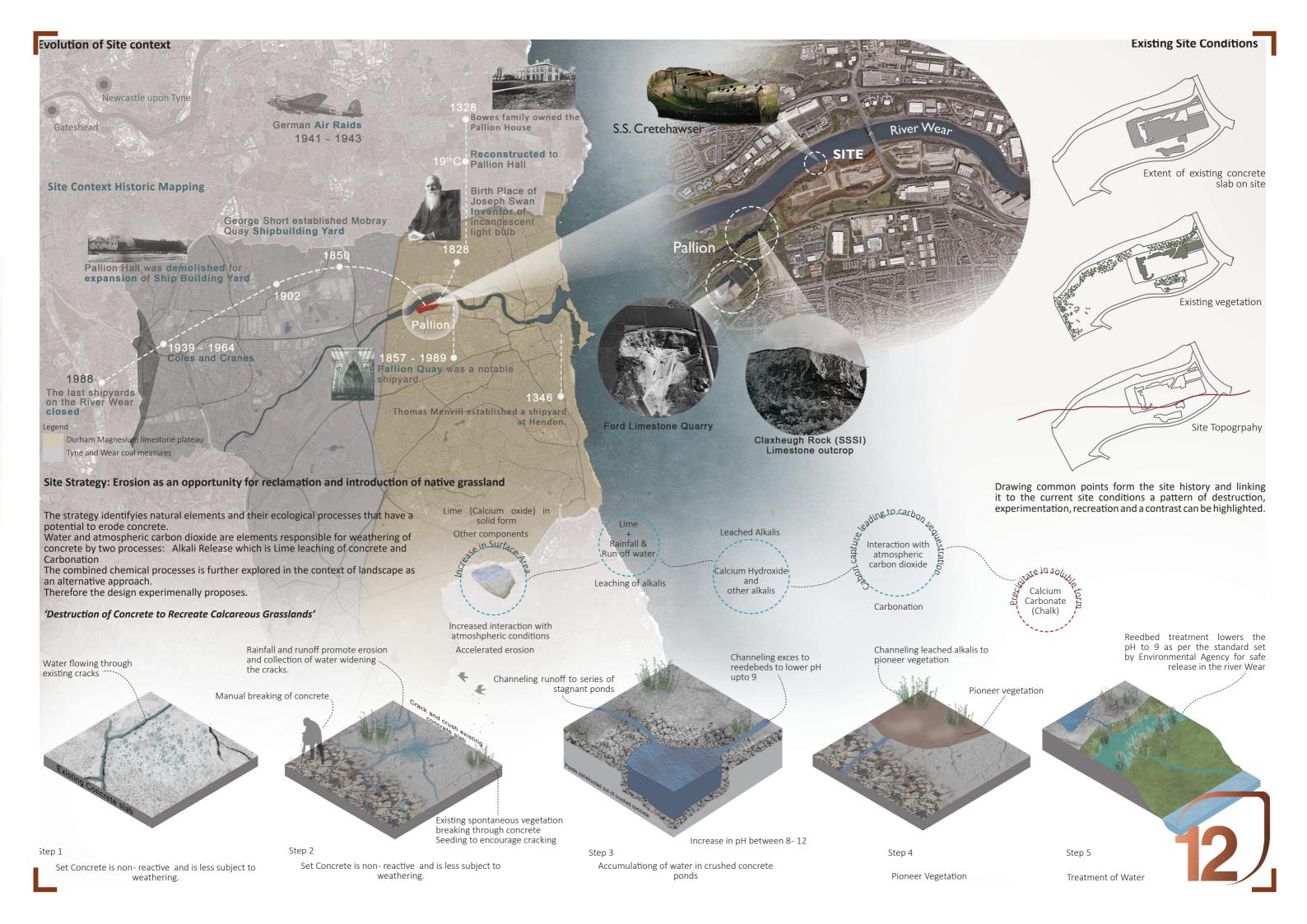
### 12th International Biennal Landscape Barcelona

**Barcelona** 

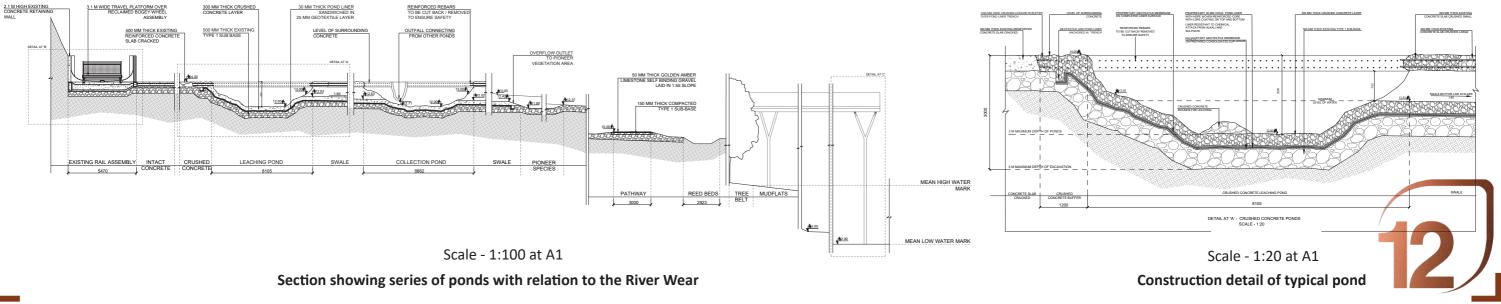
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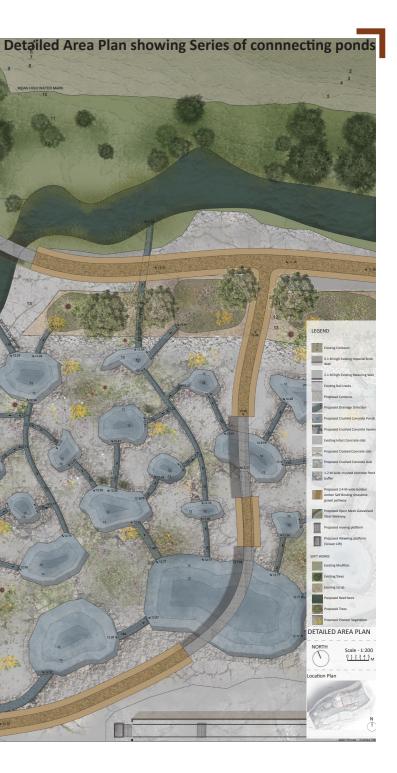


November 2023



# **Proposed Masterplan** Reflecting on the site history and existing site conditions the plan proposes for destruction of concrete to recreate calcareous grasslands on the Eastern side and builds a contrast by proposing woodland on the water logged areas on site, critically highlighting the effects of industrialisation. NORTH Scale - 1:1000 AT A1 0 1 2 3 4 5 1 1 1 1 M RIVER WEAR KEY AREAS A - Drop Off B - Car Park C - Service Ar ng Bare Rubble Proposed Interpretation Wreck of SS Cretehawse ved and Stabilized insit LEGEND 1 -





## Proposed shallow alkaline calcareous grassland

Calcerous Grasslands are one of the rare rare habitats of the U.K. growing on soils containing chalk and limestone rich in calcium carbonate.



Species rich grassland are most diverse in terms of wildflowers and grasses, which supports characteristic species of moths and butterflies.

Chalk Carpet Moth Small Tortoise Common Blue

Shell Butterfly

Aglais urticae

Supporting Species

Scotopteryx

bipunctaria

Cowslip

Butterfly Bush Buddleja Davidii



Yorkshire Fog Grass Holcus lanatus



Cock Foot Grass Dactylis glomerata

Aricia artaxerxes Aglais io

Durham Argus

Butterfly

salmacis

Common Rock Rose Helianthemum nummularium

Greater Knapweed

Centaurea scabiosa





Peacock Dingy Skipper Butterfly Erynnis tages



Least Minor

Moth

Photedes

captiuncula

Butterfly

Polyommatus

icarus

Creative Visulisation of Elevated Walkway along the Wreck of S.S. Cretehawser

### Creative Visulisation of Concrete Ponds and Destruction Zone





Creative Visulisation of Travel Platform over Repurposed Rail Assembly