



Vadodara



Source:- Unpublished Thesis 2014, Title Ground Zero, by Shirali Vaidhya, CEPT University

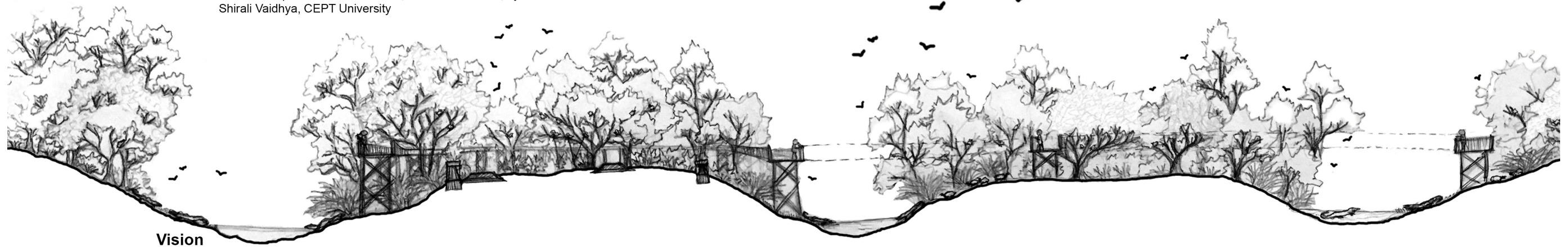
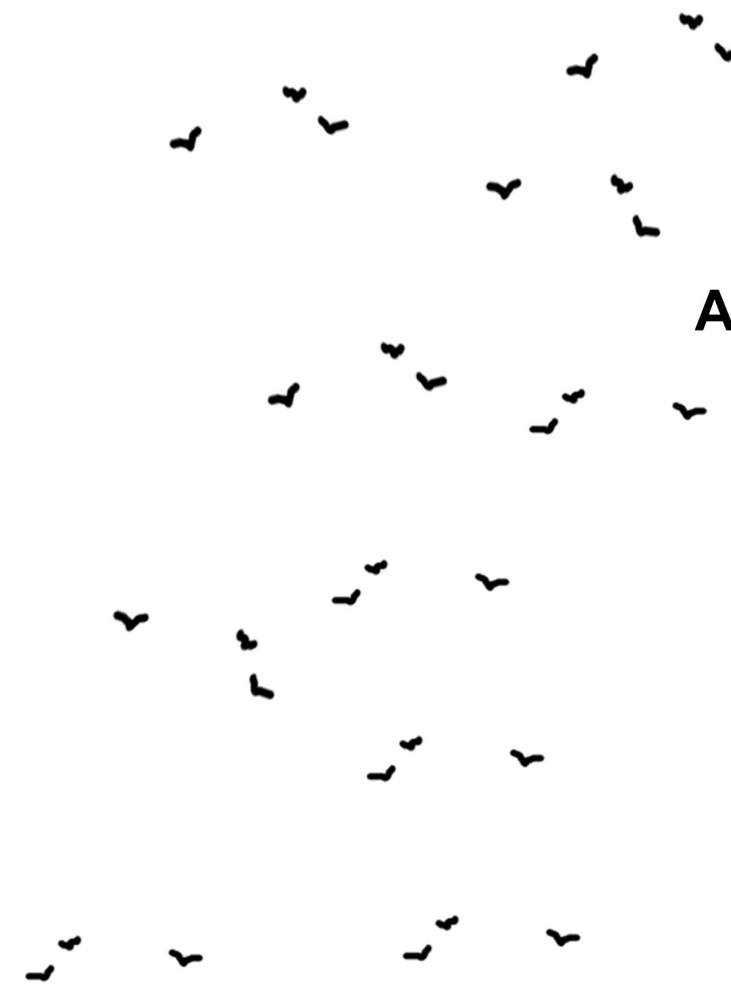


Potential for birds at site



Birds at Sayajibaug zoo

AN URBAN BIRD REFUGE



Country / City India/ Ahmedabad

University / School CEPT University

Academic year 2017 -18

Title of the project An Urban Bird Refuge

Authors Dixit Kumar Narola





PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC

ETSAB- Escola Tècnica Superior

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TECHNICAL DOSSIER

Title of the project An Urban Bird Refuge
Authors Dixit Kumar Narola
Title of the course Landscape Studio 1
Academic year 2017-18
Teaching Staff Yati Baghel Sengupta, Divya Shah, Priyanka Kanhere, Anjali Jain
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Written statement, short description of the project in English, no more than 250 words

The 17 acre (68,800 sq. mts) site is near Sayajibaug along the bank of river Vishwamitri in Vadodara city. The river Vishwamitri passes through the entire city of Vadodara. The vegetation and riparian corridor of the river changes as we move from mountain to the delta along its course. Sayajibaug is one of the largest green spaces in Vadodara city. It is richer in biodiversity due to the availability of different kinds of flora which supports the habitat of more number of fauna species. The current site is more like an extension of the garden but it is barren with very less vegetation. Sayajibaug is rich in vegetation which supports lots of bird species, but there is also a zoo where all the animals and birds are kept in captivity. Given the conditions of the site, the idea of the project is to develop an area along the river side that can act as both an extension of Sayajibaug and one which provides varied habitat for birds; so that they will be attracted to the site. This design idea aims to create a natural habitat for fauna (birds) and to maintain ecological connection between the river and the site, fulfilling their natural behavioural needs – a place of refuge for the birds in the middle of an urban environment. This will also allow the people from the city to see the many birds and experience the rich ecology generated.

For further information

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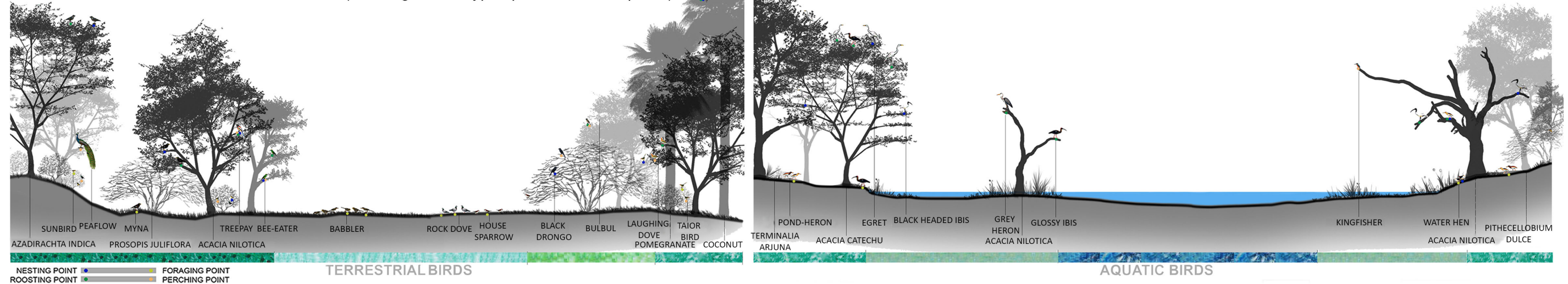
Consult the web page <http://landscape.coac.net/>

BIRDS OBSERVATION ON SITE



1		Asian green bee-eater	7		Common babbler	15		House sparrow	23		Red-vented bulbul
2		Bank myna	8		Common kingfisher/small blue kingfisher	16		Indian peafowl	24		Red-wattled lapwing
3		Black drongo	9		Common myna	17		Indian pond-heron	25		Rock dove
4		Black headed ibis/oriental white ibis	10		Common tailorbird	18		Jungle babbler	26		Rose-ringed parakeet
5		Black kite	11		Glossy ibis	19		Laughing dove	27		Rufous treepie/indian treepie
6		Cattle egret	12		Great egret	20		Little egret	28		Western spotted dove
			13		Grey heron	21		Purple sunbird	29		White-breasted water hen
			14		House crow	22		Red naped ibis/black ibis	30		Sunbird

HABITAT ACCORDING TO CONNECTION (Deriving habitat types: possible and required)



LISTING OF BIRDS (The table below shows detailed habitat needs of each birds. This listing was done for all the birds mentioned above)

SR. NO	BIRD	COMMON NAME OF SPECIES	SCIENTIFIC NAME OF SPECIES	A/T	R/M	H/I/C/G/O/F/N	HABITAT EDGE/INTERIOR/WATER/URBAN	NESTING LOWER/MIDDLE/UPPER	HABITAT DRY DECIDUOUS/ SCRUB PLANTATION/GRASSLANDS/ FRUIT PLANTATION	LEAST CONCERNED/ THREATENED	HABITAT	GROUP
1		Asian green bee-eater	<i>Merops orientalis</i>	T	R	I	E,W	L,M		L	Open Country with Scattered Trees, Semi-Deserts and Grazing Land.	In Pair or Small Groups
2		Bank myna	<i>Acridotheres ginginianus</i>	T	R	O	E	U		L	Agricultural and Urban Areas	In Pair or Small Groups

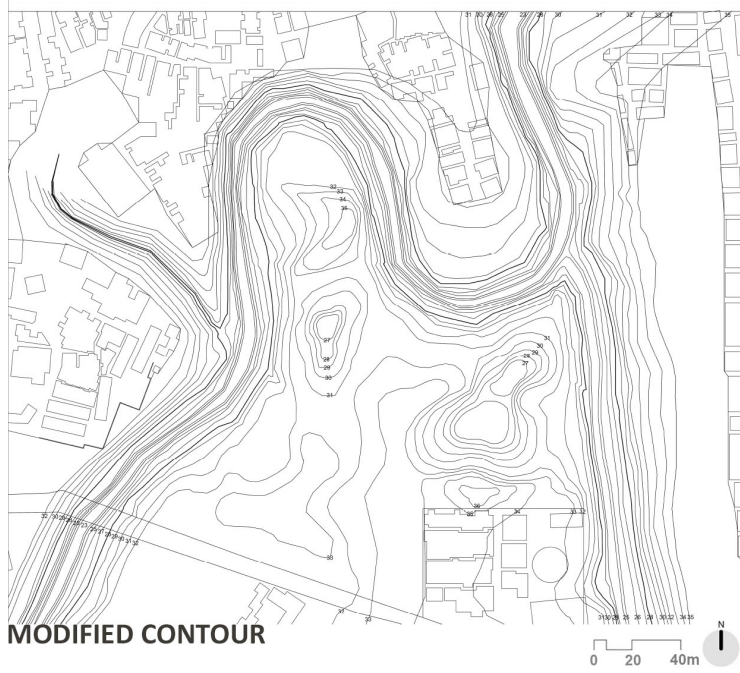
T - TERRESTRIAL A - AQUATIC R - RESIDENTIAL M - MIGRATORY N - NECTARIVORE O - OMNIVORE F - FRUGIVORE G - GRANIVORE I - INSECTIVORE



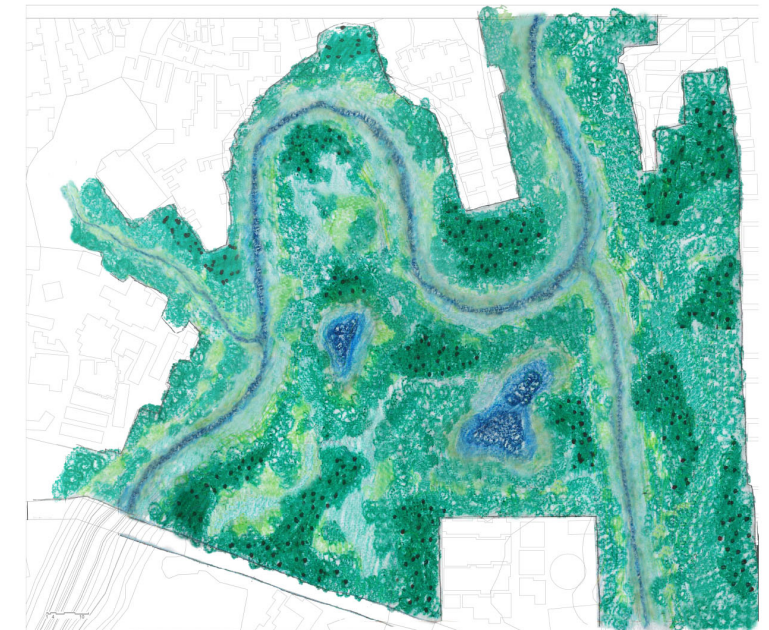
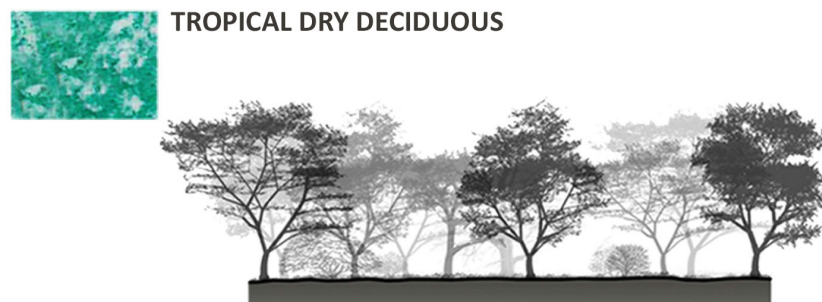
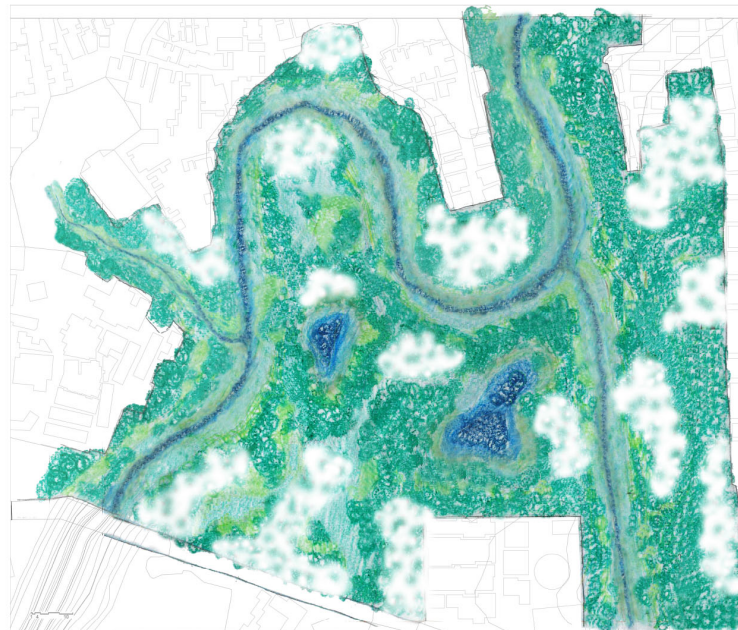
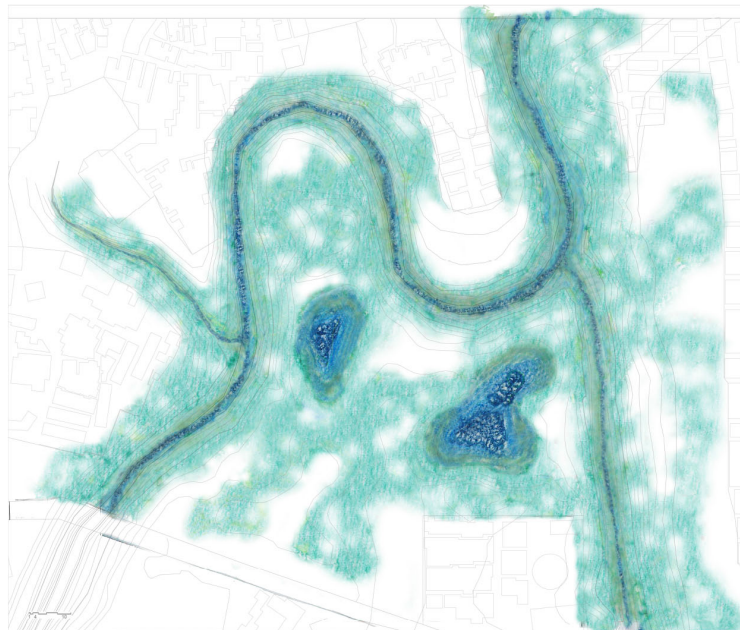
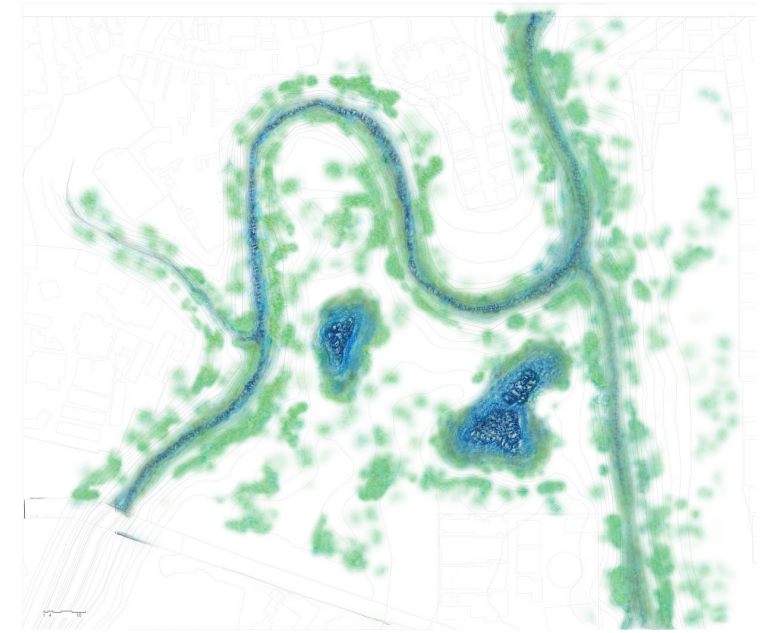
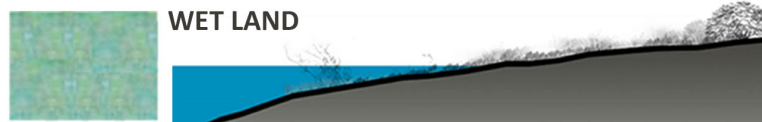
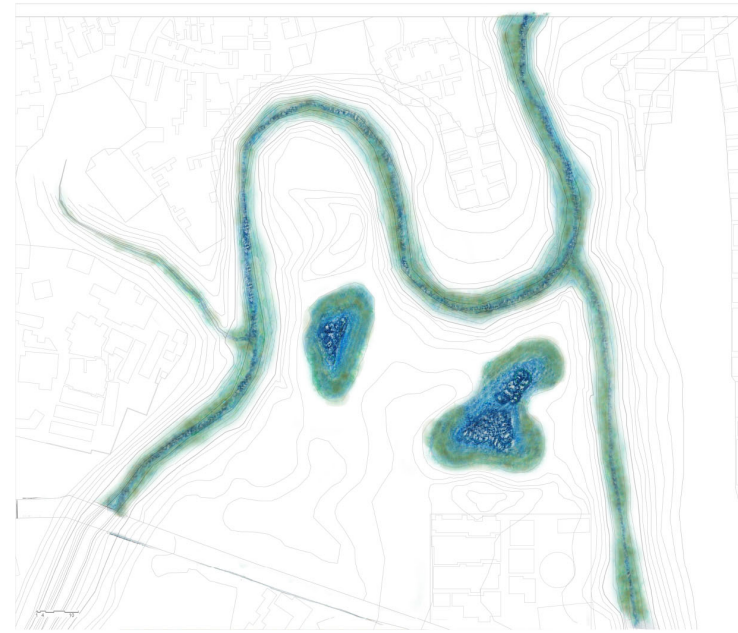
C - CARNIVORE



ORGANISING THE SITE ACCORDING TO HABITAT TYPE



Two existing depressions on site were enlarged to collect water.



MOVING THROUGH THE SITE

Two trails - strategically winding through the site allow people to see the birds in their natural environment.

