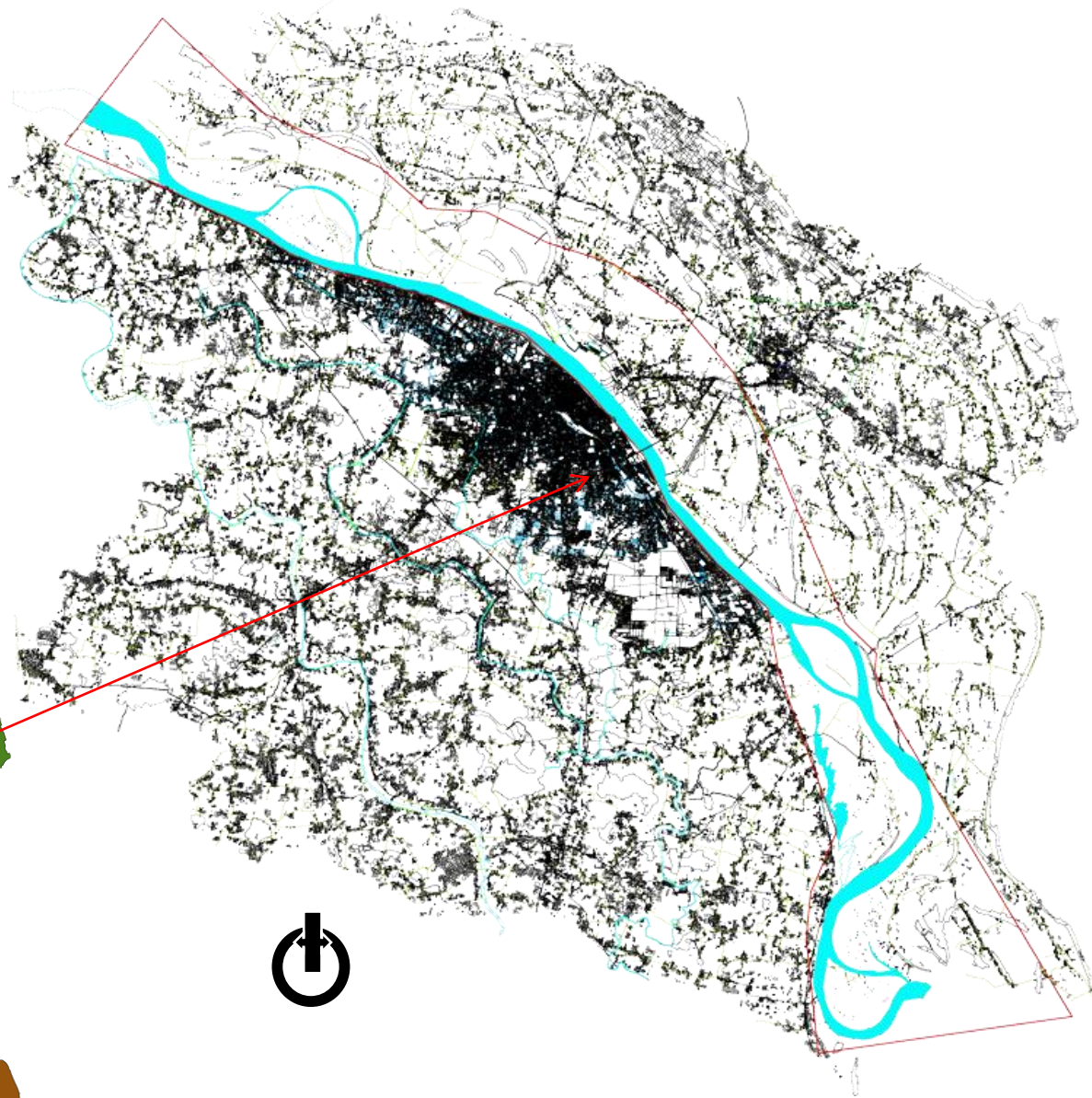
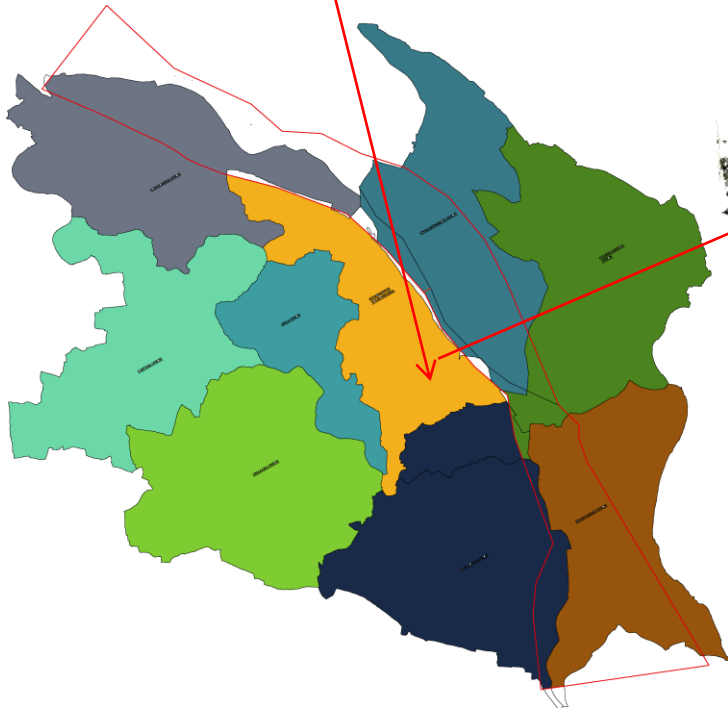


**AMUSEMENT IN A “CHAR”
:PROPOSED LEISURE AND
RECREATIONAL FACILITIES
IN MYMENSINGH**

LOCATION OF SITE



 **PORANGANJ**

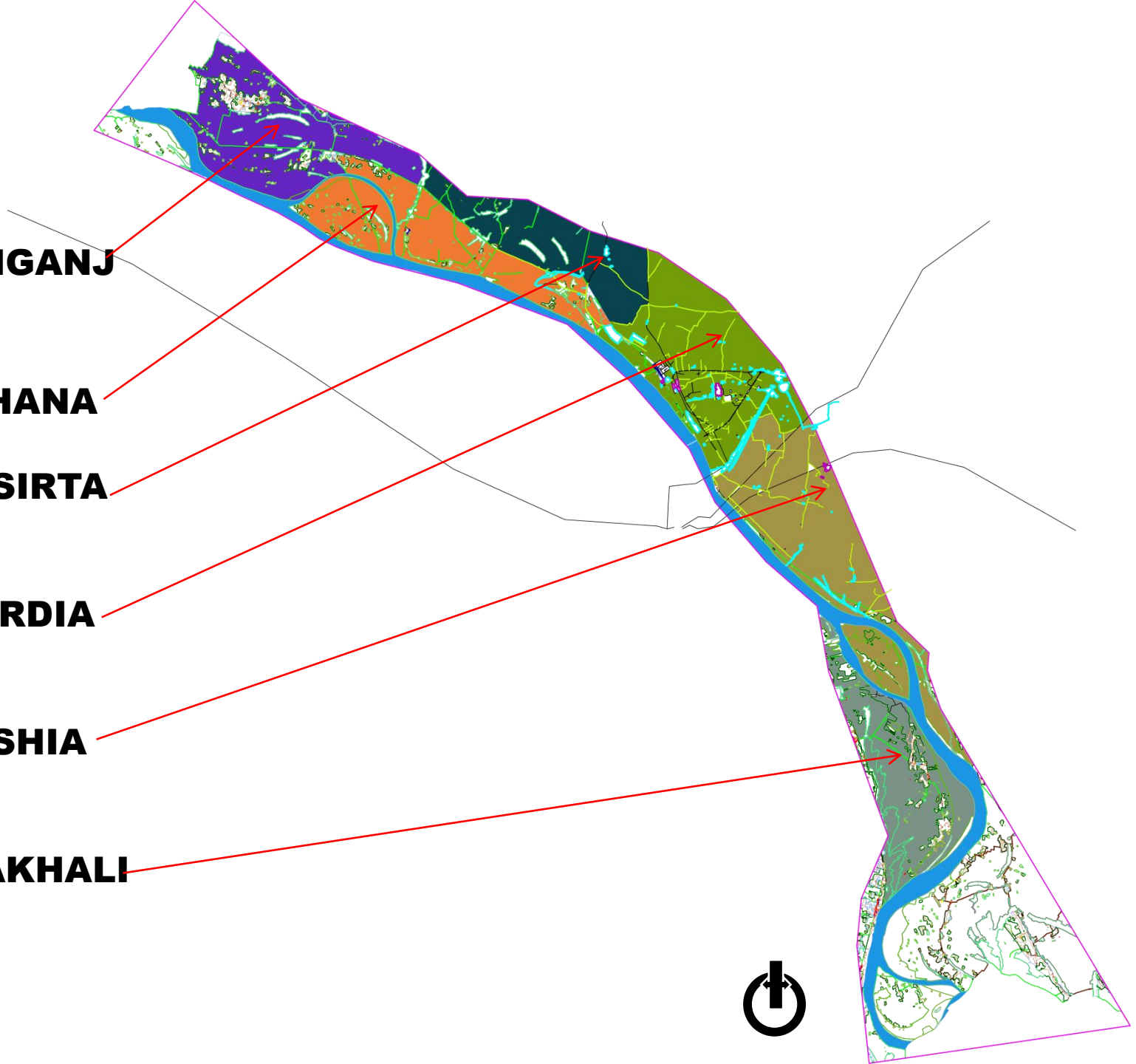
 **CHAR
JAILKHANA**

 **CHAR SIRT**

 **CHAR
ISHWARDIA**

 **CHAR
NILAKSHIA**

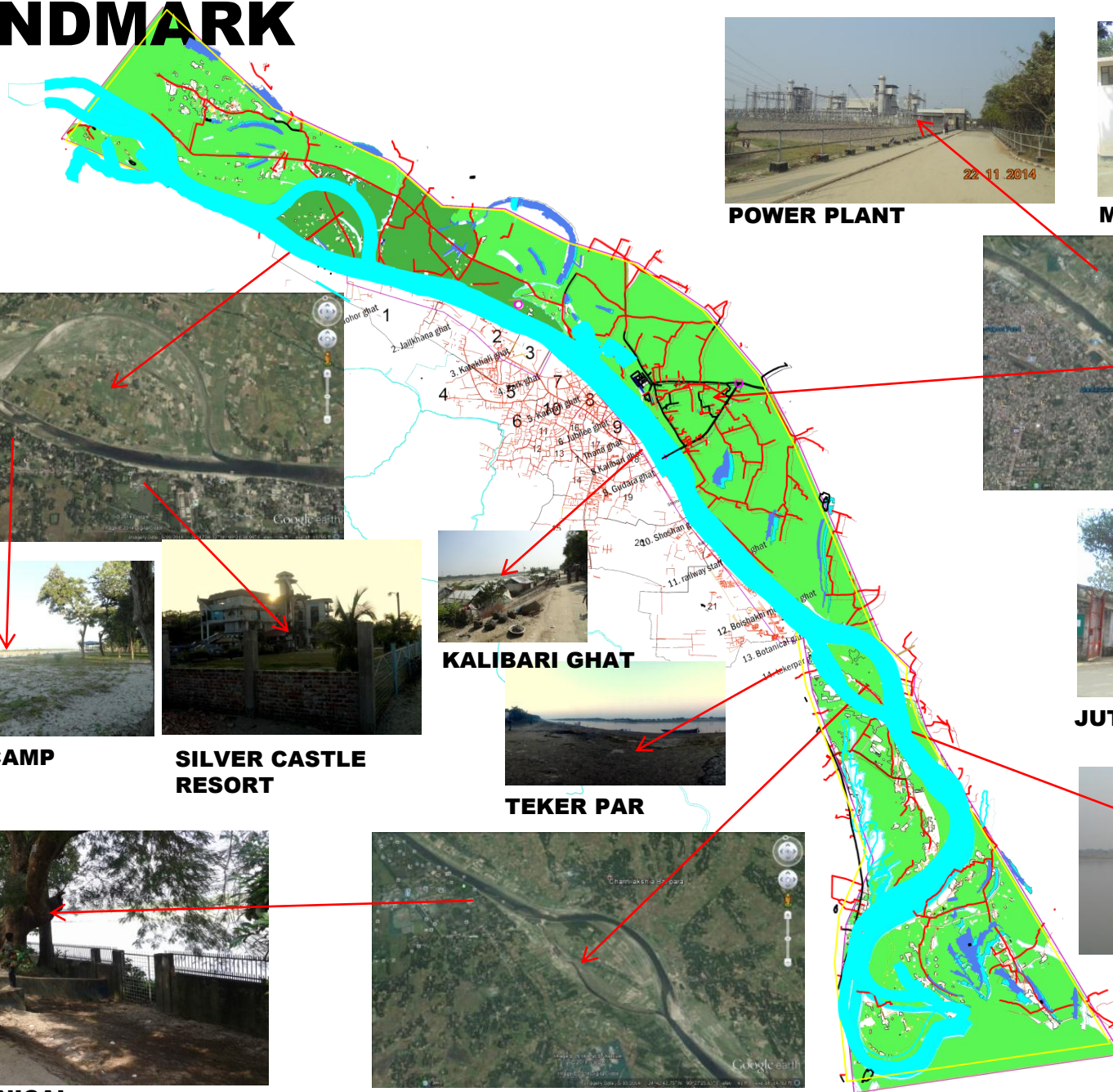
 **CHAR
BHABAKHALI**



PURPOSE/OBJECTIVE OF THIS PROJECT

- RURAL COMUNITIES MEET RECREATIONAL NEEDS.**
- PLAN FOR LONG-TERM RECREATION DEVELOPMENT.**
- TO OPEN NEW OPPORTUNITIES AMONG LOCAL BUSINESS AND COMMUNITY GROUPS.**
- DEVELOPMENT OF YOUTH LEADERSHIP**
- TO FIND EFFECTIVE WAYS TO DELIVER RECREATION SERVICES TO RURAL COMMUNITIES**
- DECENTRALIZE THE CAPITAL**
- SUBDIVIDE THE WORK ZONE**

LANDMARK



POWER PLANT



MAZAR



BGB CAMP



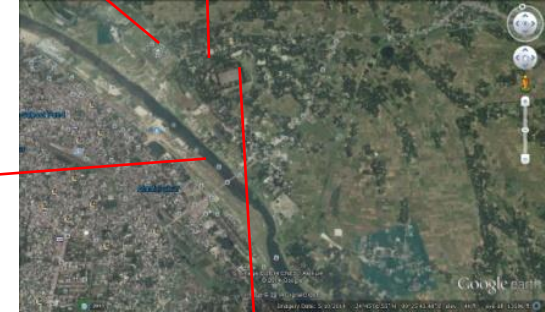
SILVER CASTLE RESORT



KALIBARI GHAT



TEKER PAR



JUTE MILL



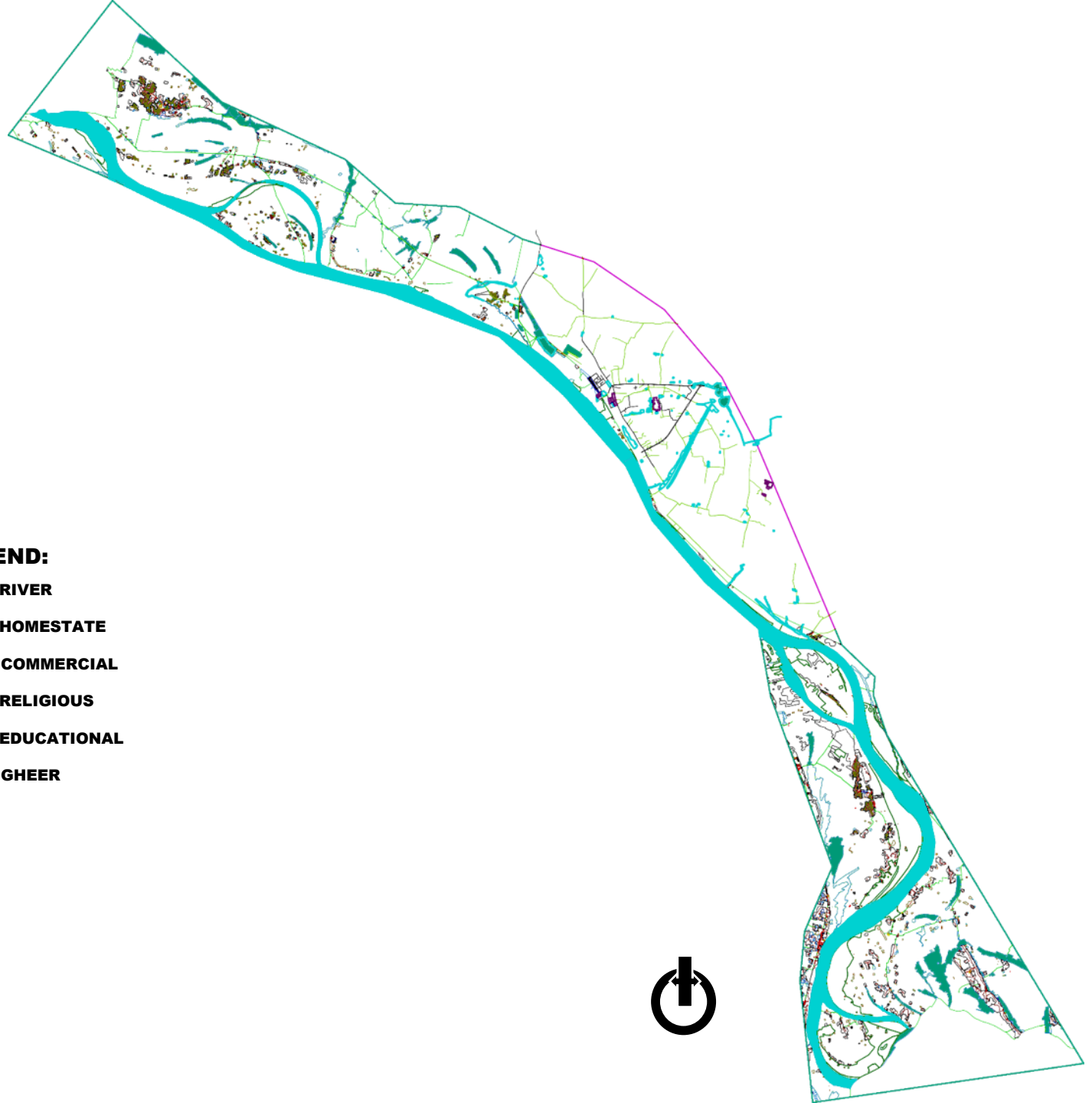
BOTANICAL GARDEN

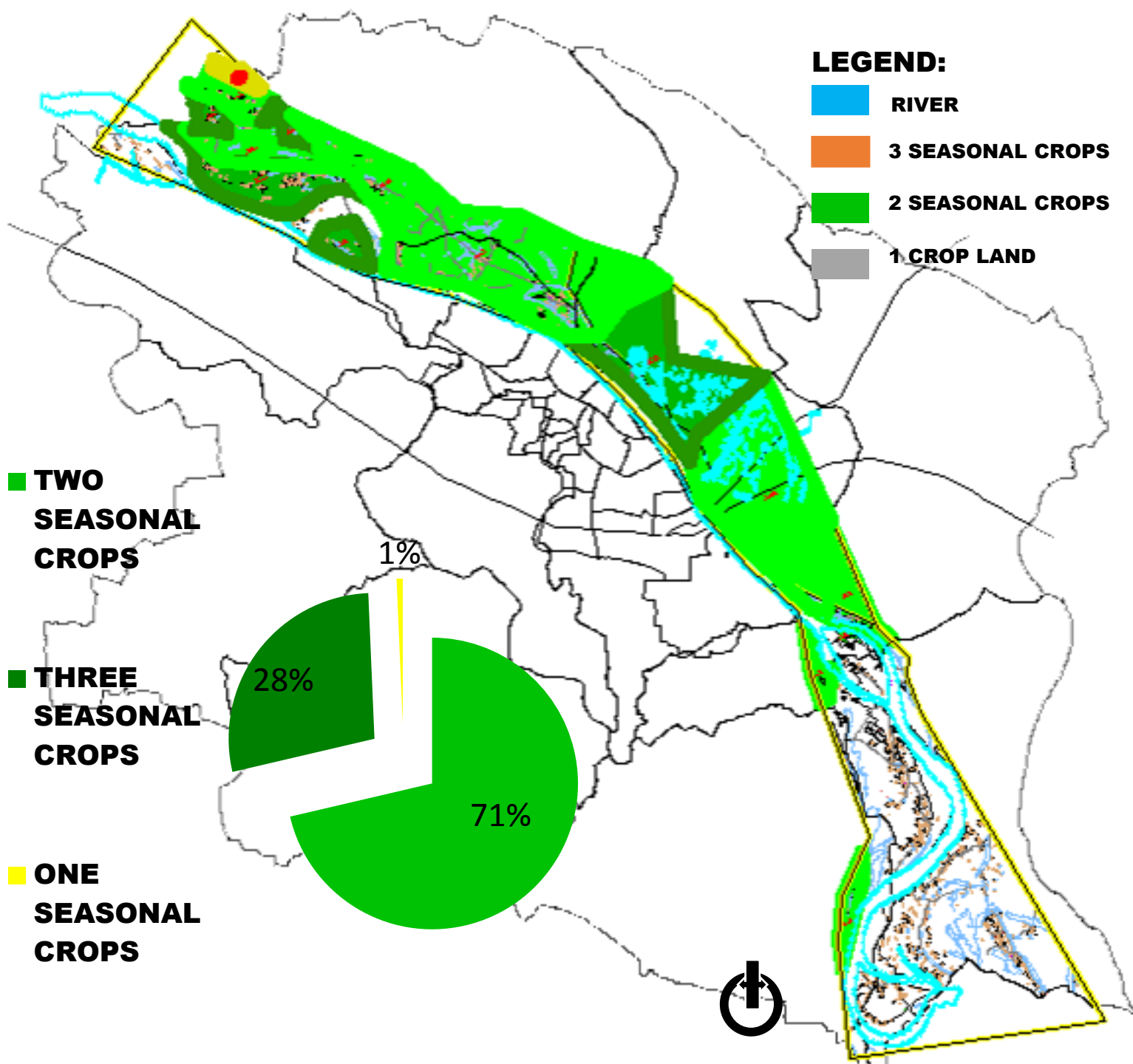


LANDUSE

LEGEND:

-  RIVER
-  HOMESTATE
-  COMMERCIAL
-  RELIGIOUS
-  EDUCATIONAL
-  GHEER





CONTOUR LEVEL

Legend
MSDP DEM 10M
Value in Meter

10.25000001 - 10.5	12.25000001 - 12.5	14.25000001 - 14.5
10.50000001 - 10.75	12.50000001 - 12.75	14.50000001 - 14.75
10.75000001 - 11	12.75000001 - 13	14.75000001 - 15
11.00000001 - 11.25	13.00000001 - 13.25	15.00000001 - 15.25
11.25000001 - 11.5	13.25000001 - 13.5	15.25000001 - 15.5
11.50000001 - 11.75	13.50000001 - 13.75	15.50000001 - 15.75
11.75000001 - 12	13.75000001 - 14	15.75000001 - 16
12.00000001 - 12.25	14.00000001 - 14.25	

0 625 1,250 2,500 3,750 5,000 Meters

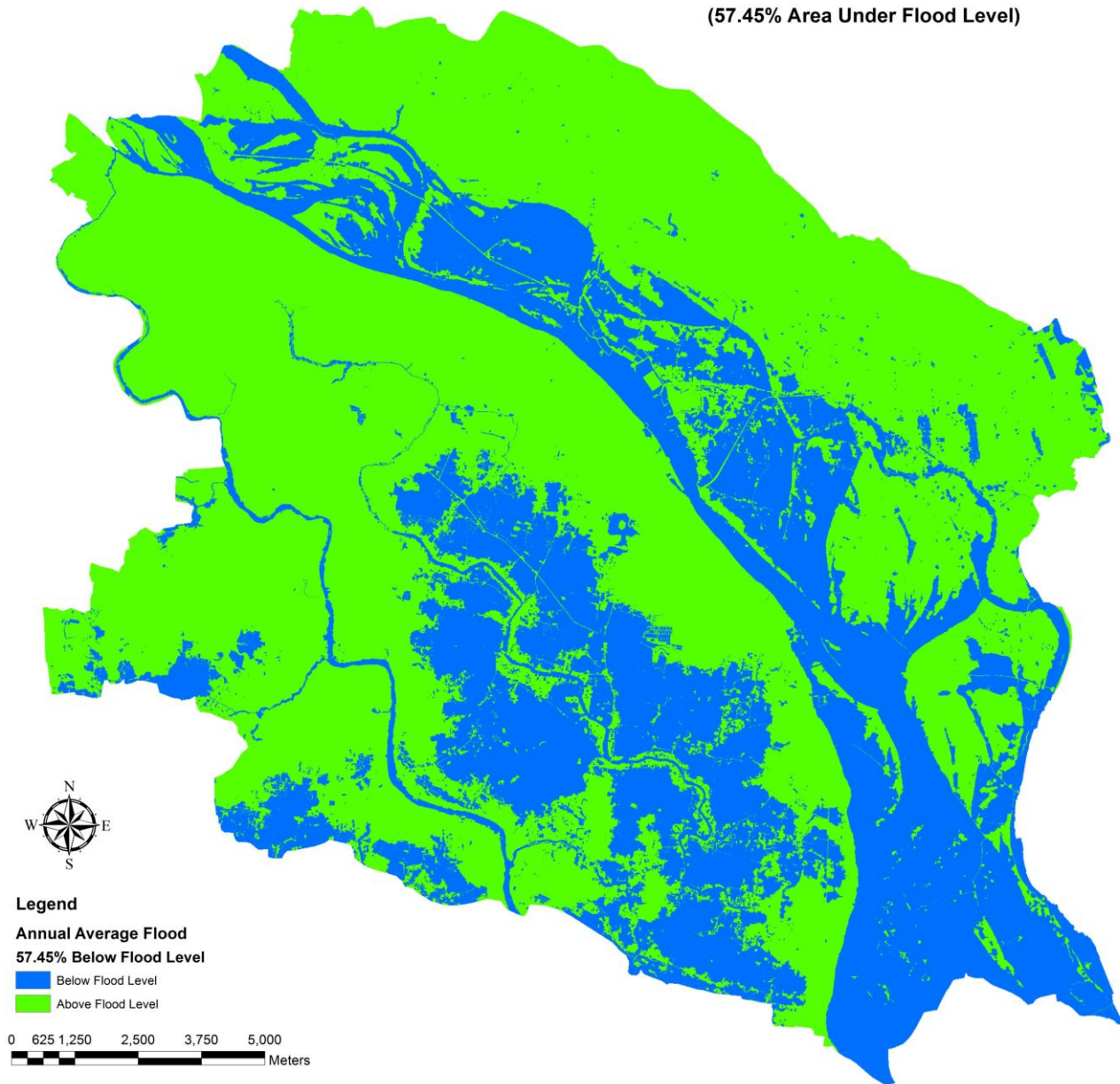
SOURCE : UDD

SOURCE : UDD

YEAR	HIGHEST (M)	MONTH	LOWEST (M)	MONTH
2000	11.91	AUGUST	6.13	MARCH
2001	10.75	SEPTEMBER	6.02	APRIL
2002	12.68	AUGUST	6.12	MARCH
2003	12.40	JULY	5.68	SEPTEMBER
2004	13.30	JULY	6.02	APRIL
2005	11.70	JULY	5.92	MARCH
2006	9.70	JUNE	5.68	APRIL
2007	12.55	AUGUST	5.53	APRIL
2008	11.90	SEPTEMBER	5.63	APRIL
2009	10.89	AUGUST	5.42	APRIL
2010	10.85	SEPTEMBER	4.97	MARCH
2011	10.72	AUGUST	5.32	APRIL
2012	11.40	SEPTEMBER	5.14	MARCH
2013	10.11	SEPTEMBER	5.10	APRIL
SOURCE :HYDROLOGY DEPARTMENT				

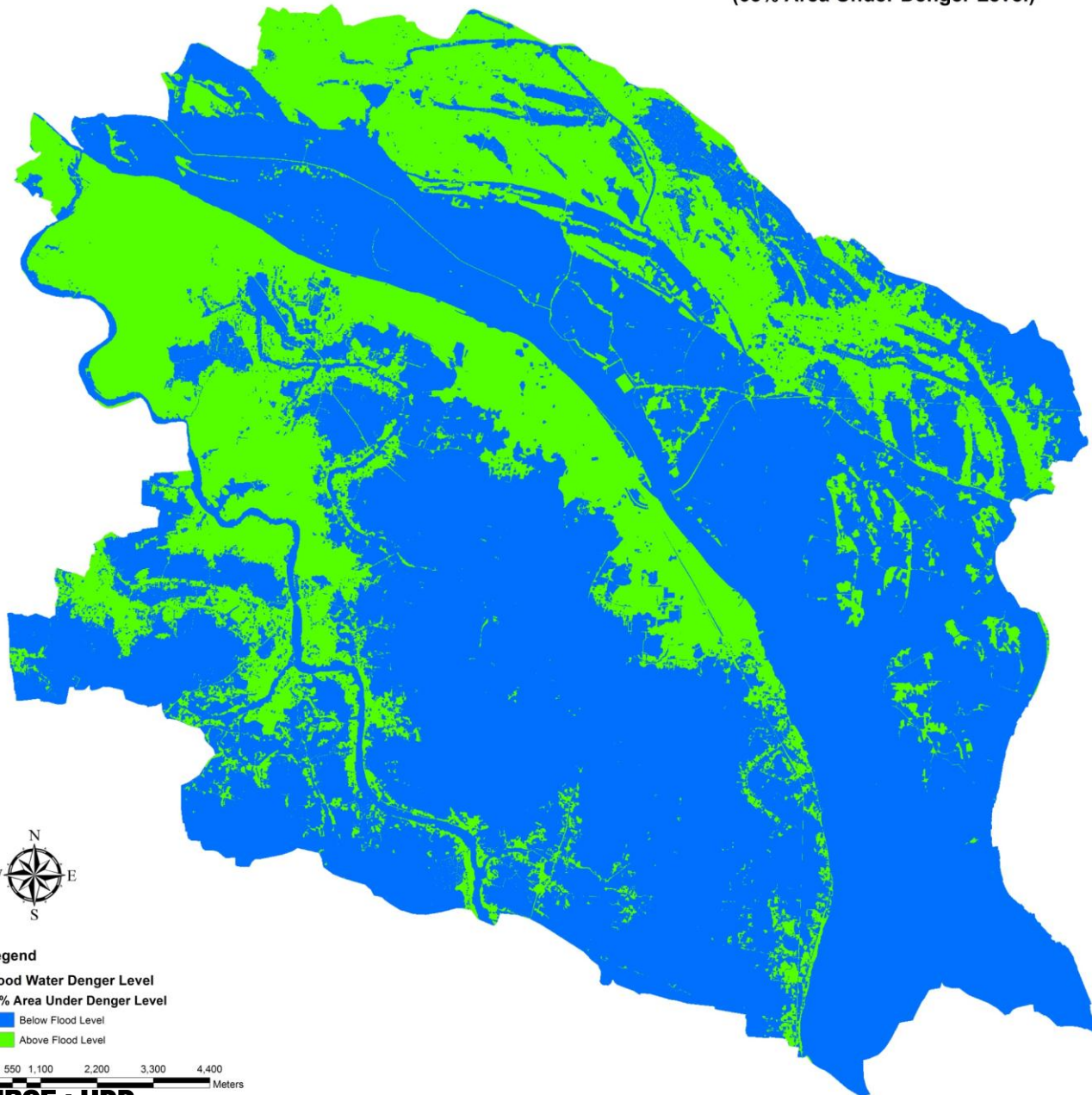
Annual Average Flood Map (Inundation Map)

(57.45% Area Under Flood Level)



SOURCE : UDD

Flood Water Denger Level Map (65% Area Under Denger Level)



Legend

Flood Water Denger Level
65% Area Under Denger Level

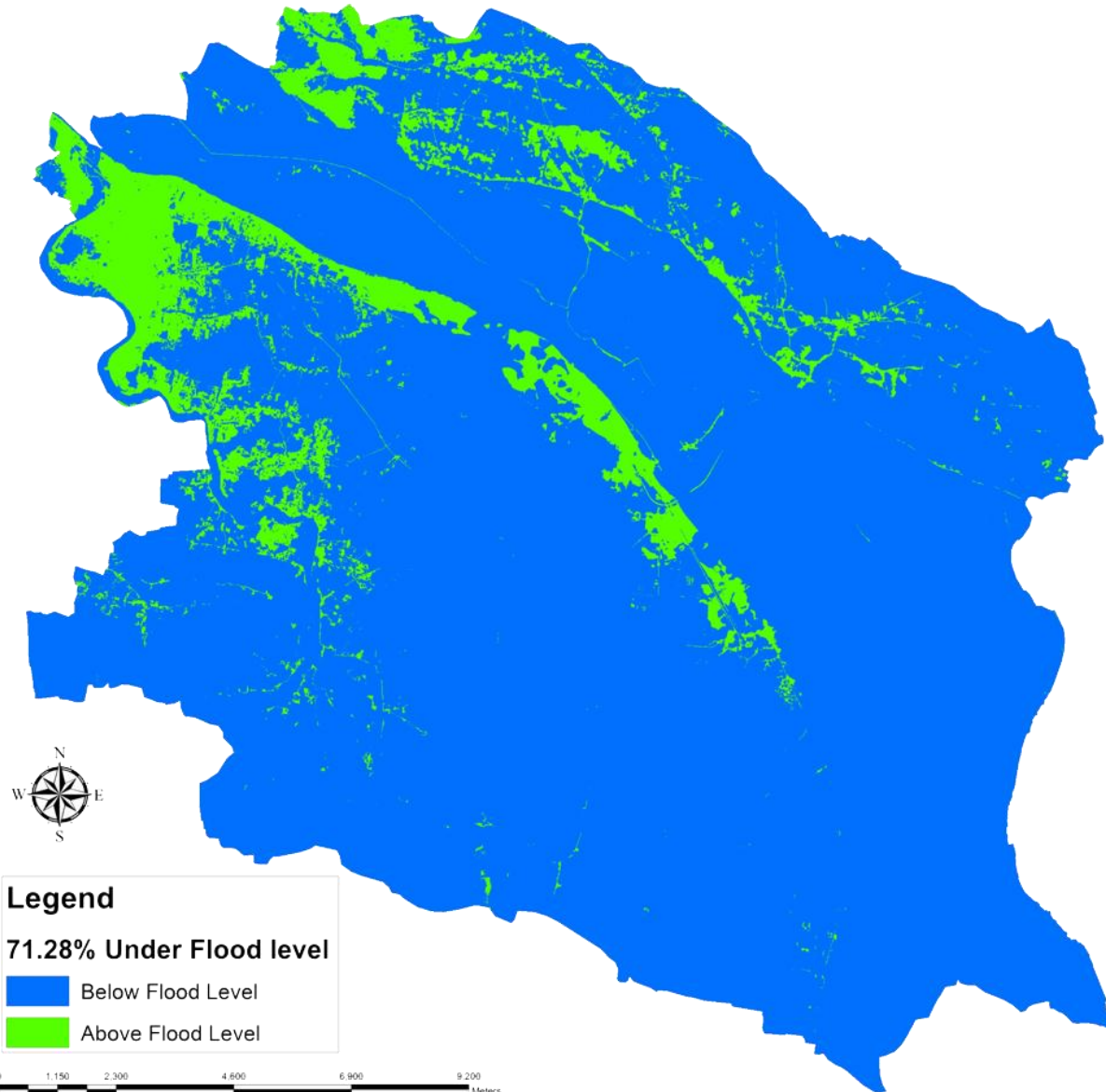
- Below Flood Level
- Above Flood Level

0 550 1,100 2,200 3,300 4,400
Meters

SOURCE : UDD

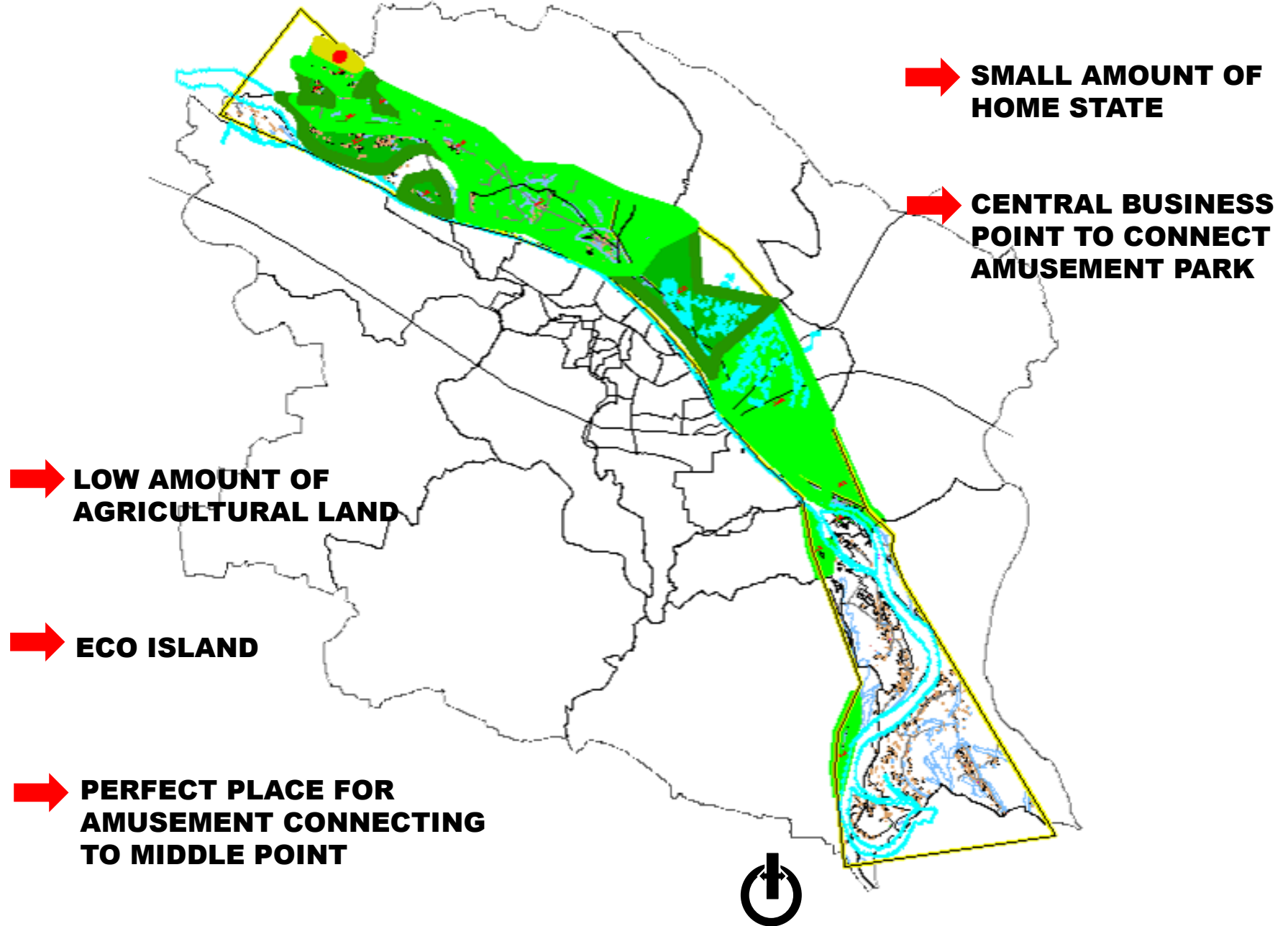
FLOOD 1988

Flood Water Level Map:1988
(71.28% Area Under Flood Level)



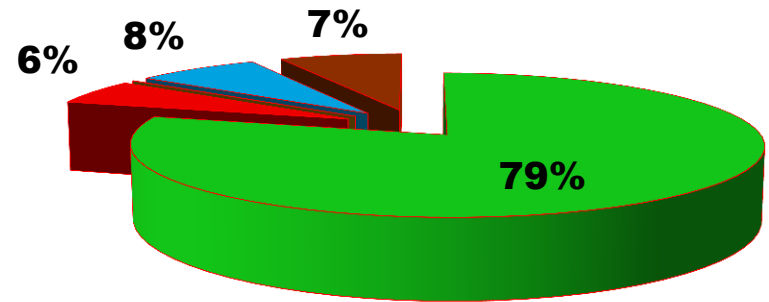
SOURCE : UDD

SELECTION OF SITE





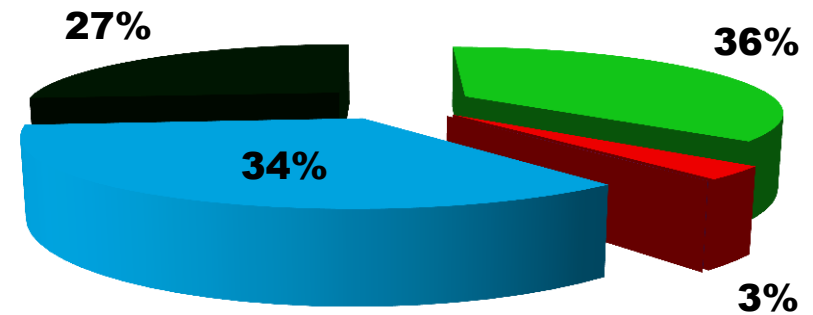
TOTAL AREA : 4468 ACRE
AGRICULTURE : 1570.185 ACRE
RESIDENCE : 51 (112.2 ACRE)
RELIGIOUS AREA : .894 ACRE
ROAD : 1 KACHA ROAD
LAKE : 150 ACRE
SAND: 147.55 ACRE



- **AGRICULTURE**
- **RESIDENCE**
- **RELIGIOUS AREA**
- **LAKE**
- **SAND**



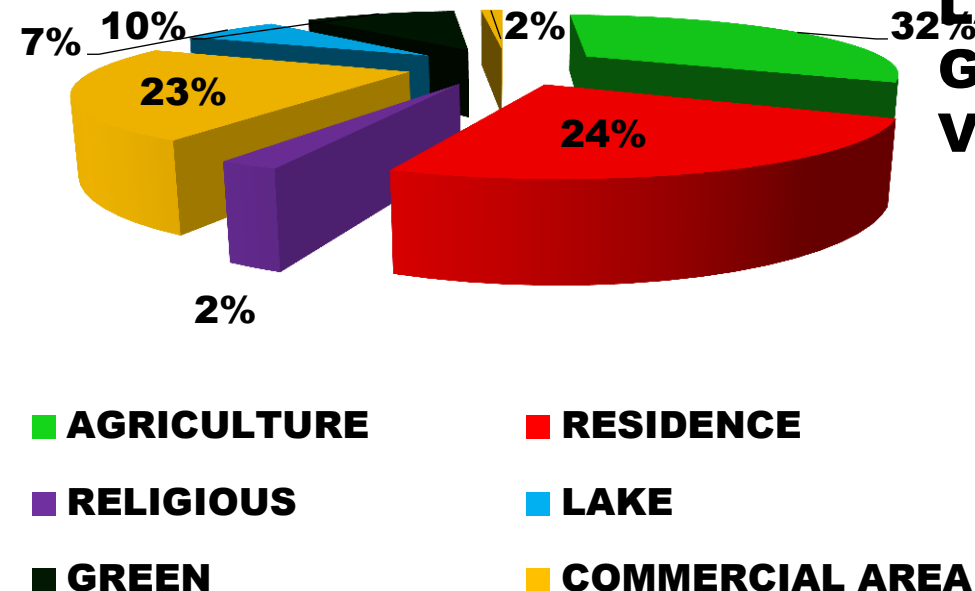
TOTAL AREA : 2508.4332 ACRE
AGRICULTURE : 176.98 ACRE
RESIDENCE : 15.05 ACRE
RELIGIOUS AREA : 1 (.094 ACRE)
ROAD : 0
LAKE : 168 ACRE
GREEN: 129.40 ACRE



AGRICULTURE
RESIDENCE
RELIGIOUS
LAKE
GREEN



TOTAL AREA : 2736.76 ACRE
AGRICULTURE : 831.43 ACRE
RESIDENCE : 609.80 ACRE
RELIGIOUS AREA : 57.85 ACRE
INDUSTRIAL AREA : 598.23 ACRE
EDUCATIONAL AREA : 13.2 ACRE
COMMERCIAL AREA : 38.52 ACRE
GHEER : 25 ACRE
LAKE : 169.98 ACRE
GRASS LAND : 268.56 ACRE
VACANT LAND : 124.20 ACRE



CHAR

JAILKHANA

POPULATION: 220

FLOATING

POPULATION: 29

FARMER: 55

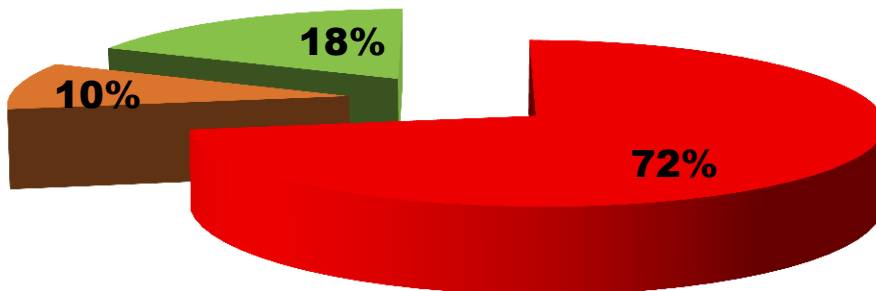
POWER LINE: 0

SEWERAGE LINE: 0

GAS LINE: 0

WATER LINE LINE: 0

SOCIO-ECONOMIC FACILITIES



■ **POPULATION**

■ **FLOATING
POPULATION**

■ **FARMER**

CHAR NILAKSHIA (ISLAND)

POPULATION : 60

FLOATING POPULATION : 33

FARMER : 18

POWER LINE : 0

SEWERAGE LINE : 0

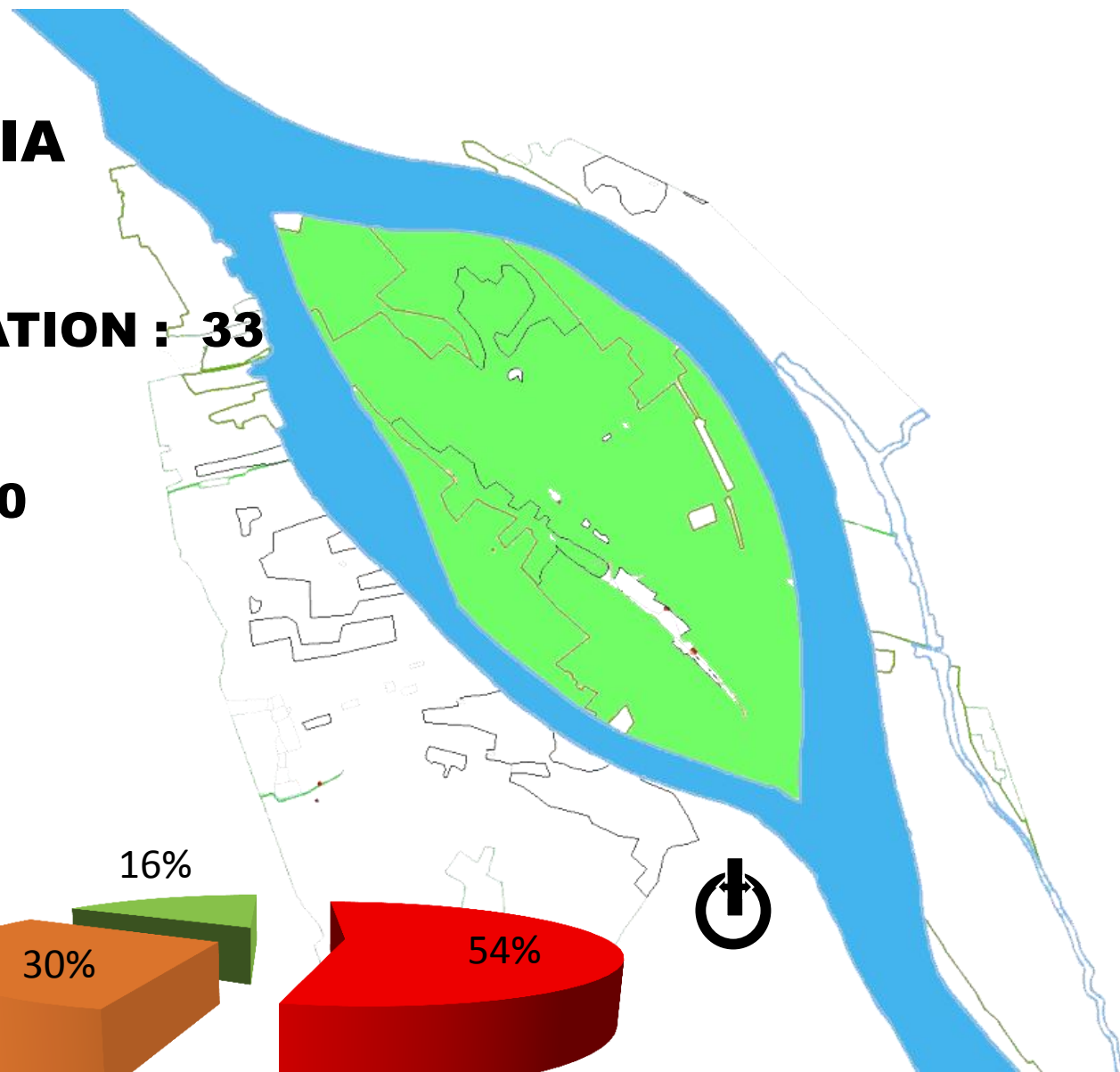
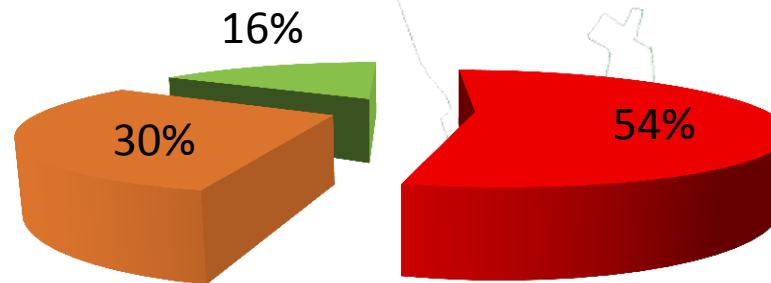
GAS LINE : 0

WATER LINE : 0

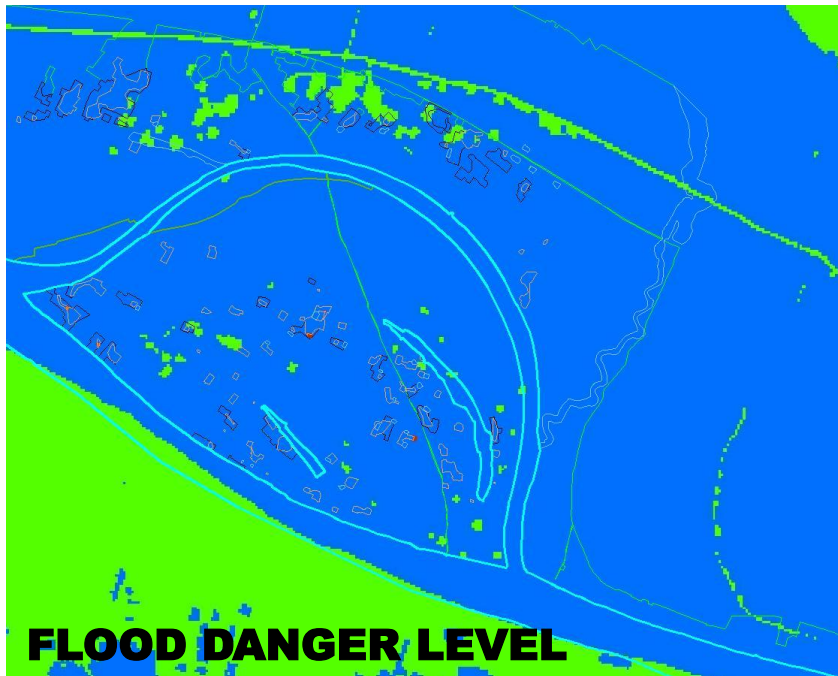
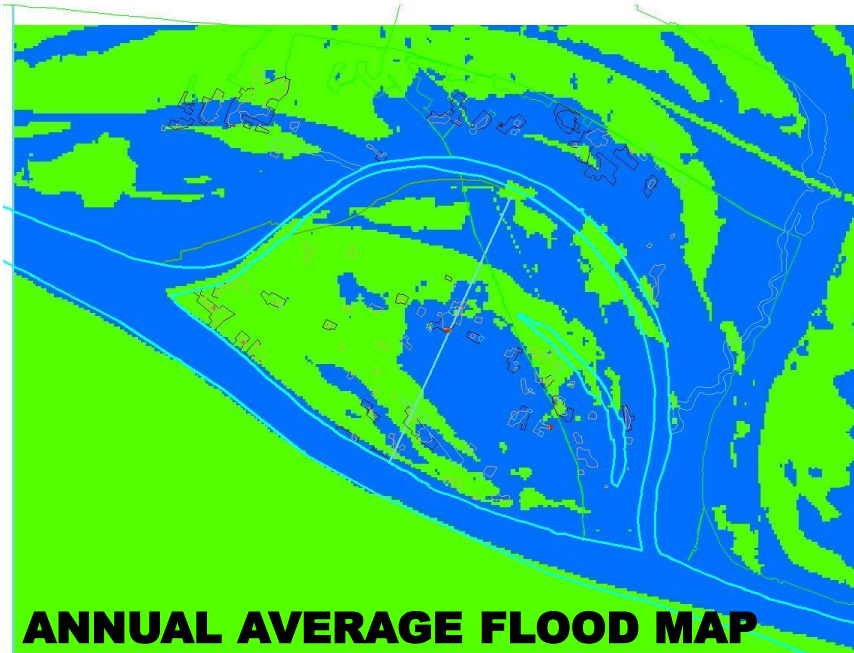
■ **POPULATION**

■ **FLOATING
POPULATION**

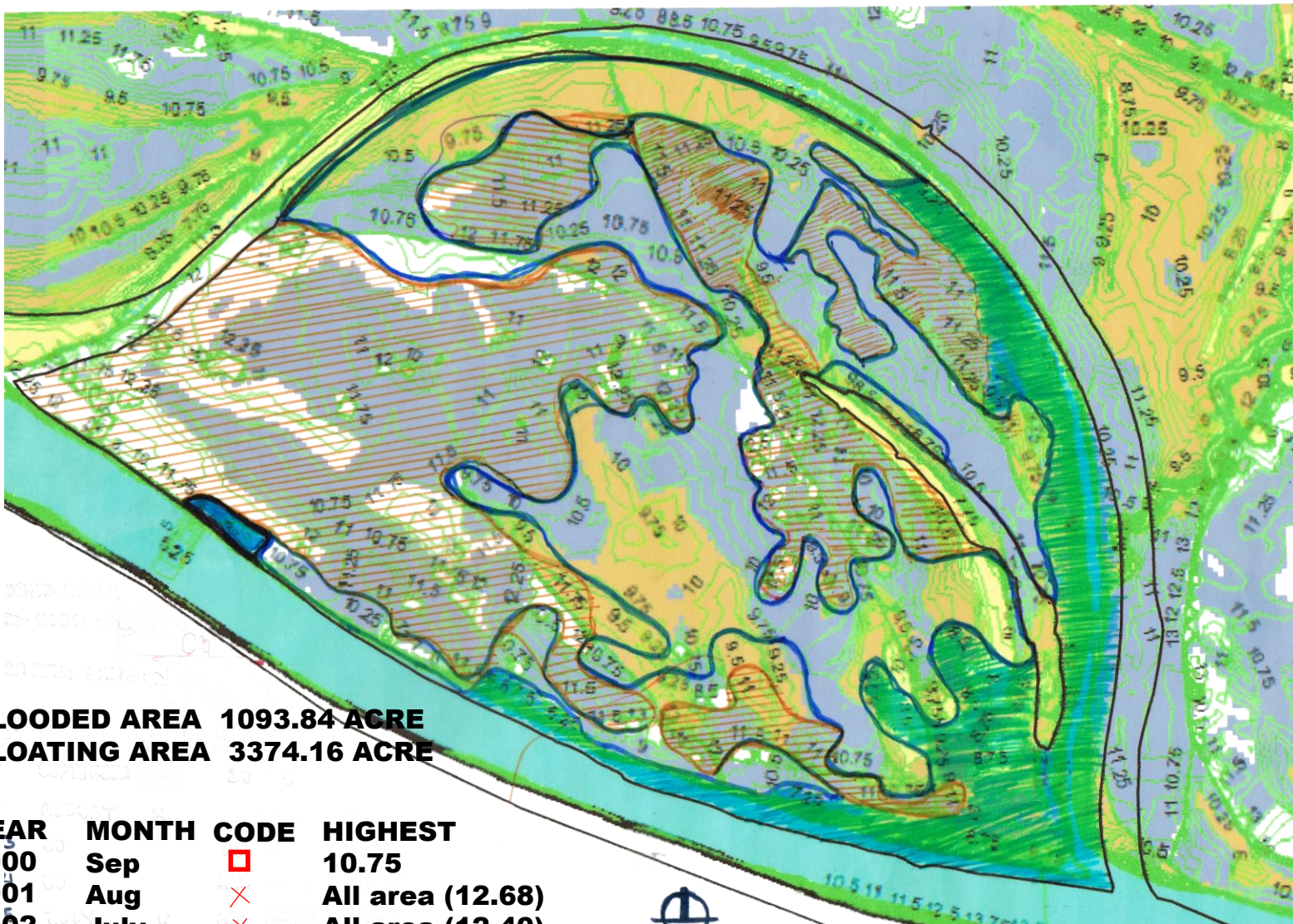
■ **FARMER**



AREA 01



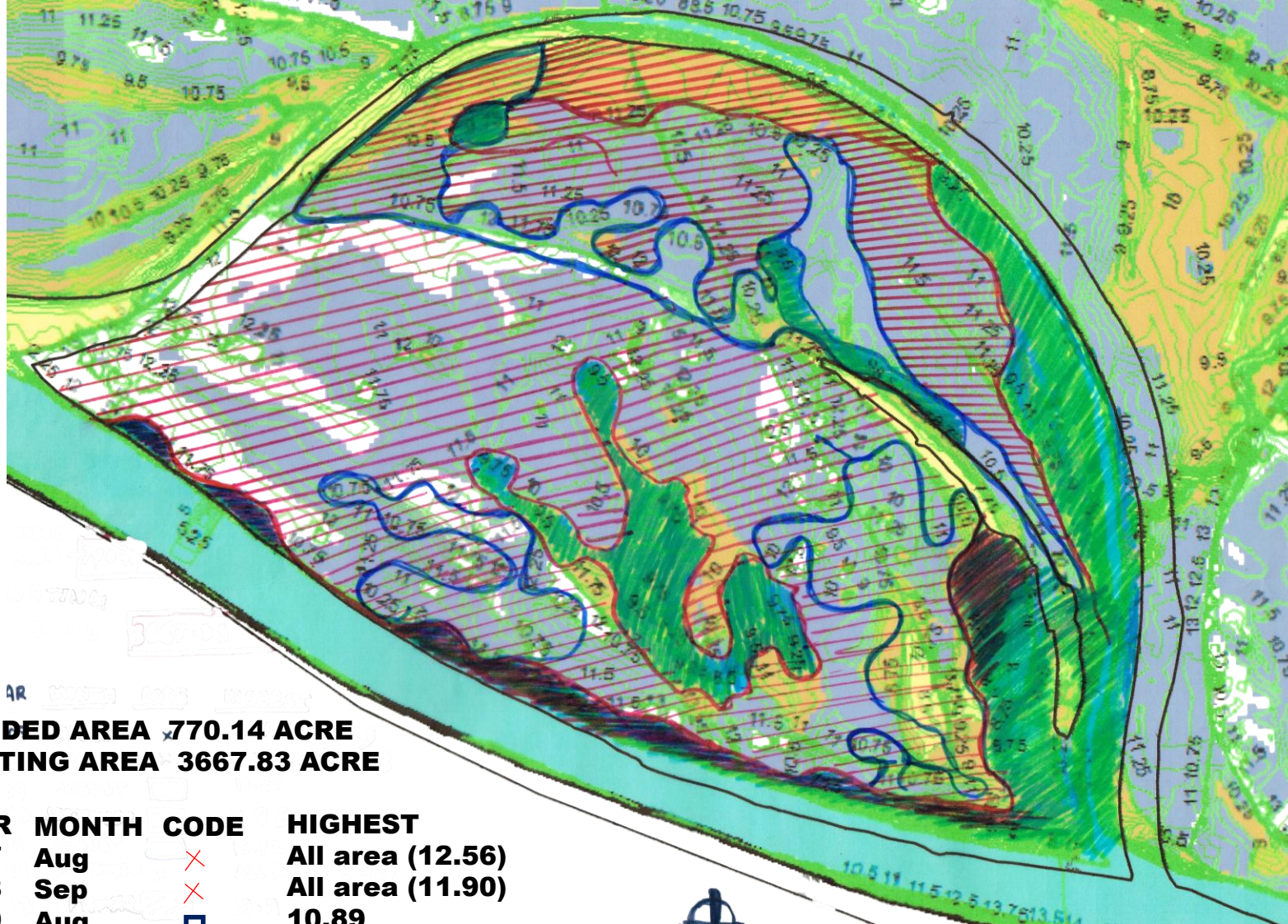




FLOODED AREA 1093.84 ACRE
FLOATING AREA 3374.16 ACRE

YEAR	MONTH	CODE	HIGHEST
2000	Sep	☐	10.75
2001	Aug	×	All area (12.68)
2002	July	×	All area (12.40)
2003	July	×	All area (13.30)
2004	July	×	All area (11.70)
2005	Aug	×	All area (11.91)
2006	Sep	×	All area (11.10)

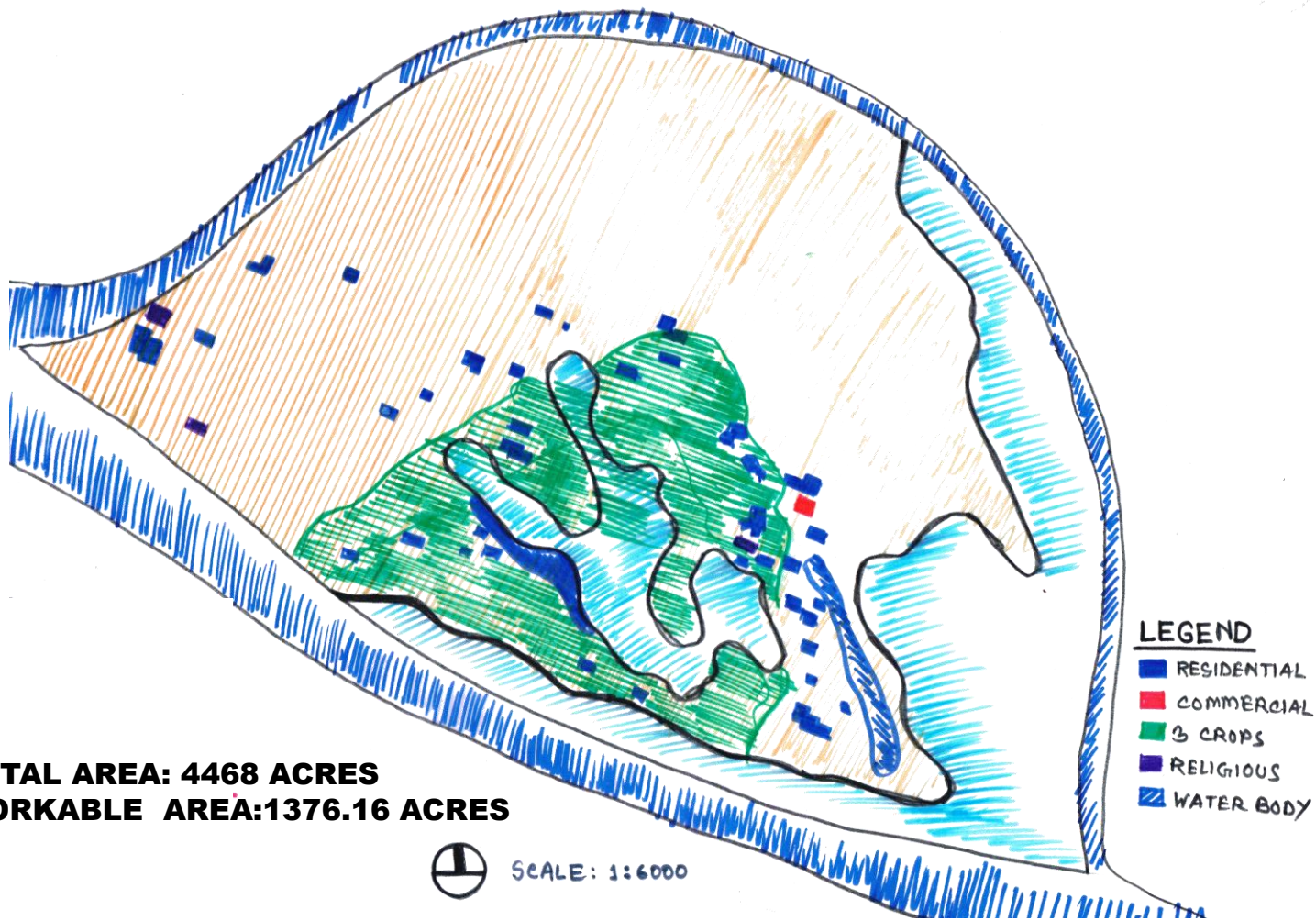




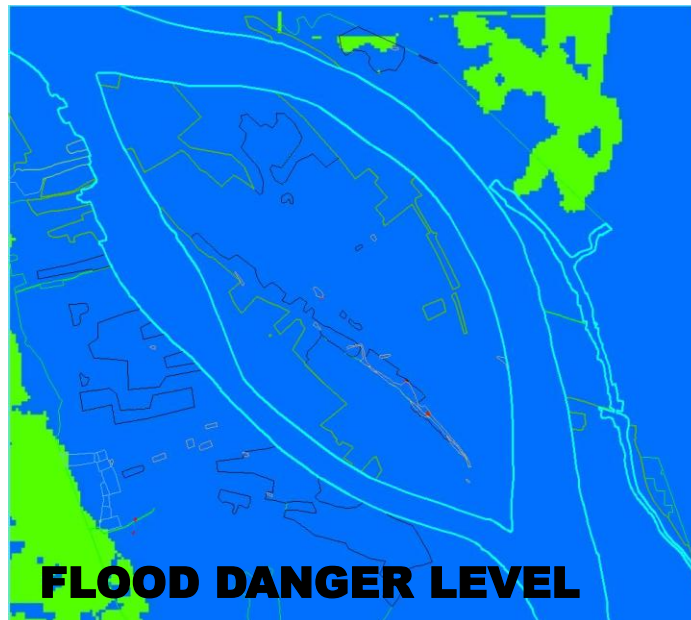
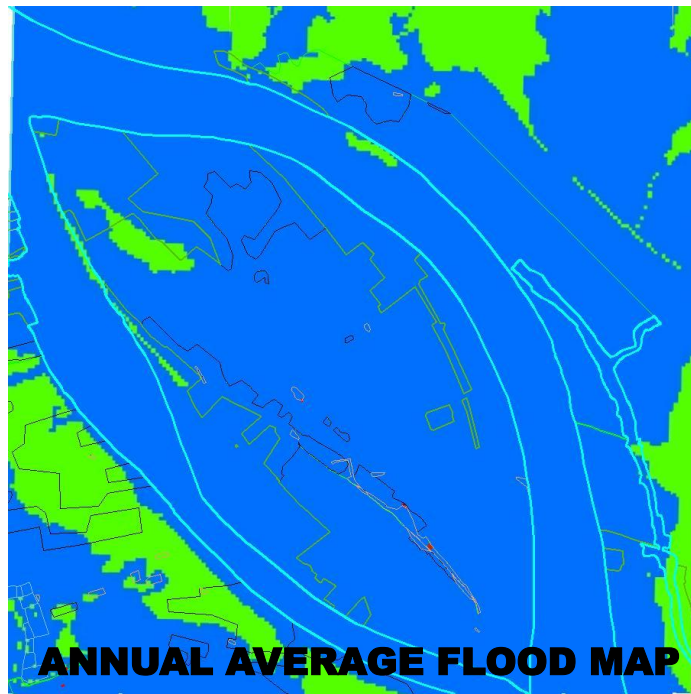
FLOODED AREA 770.14 ACRE
FLOATING AREA 3667.83 ACRE

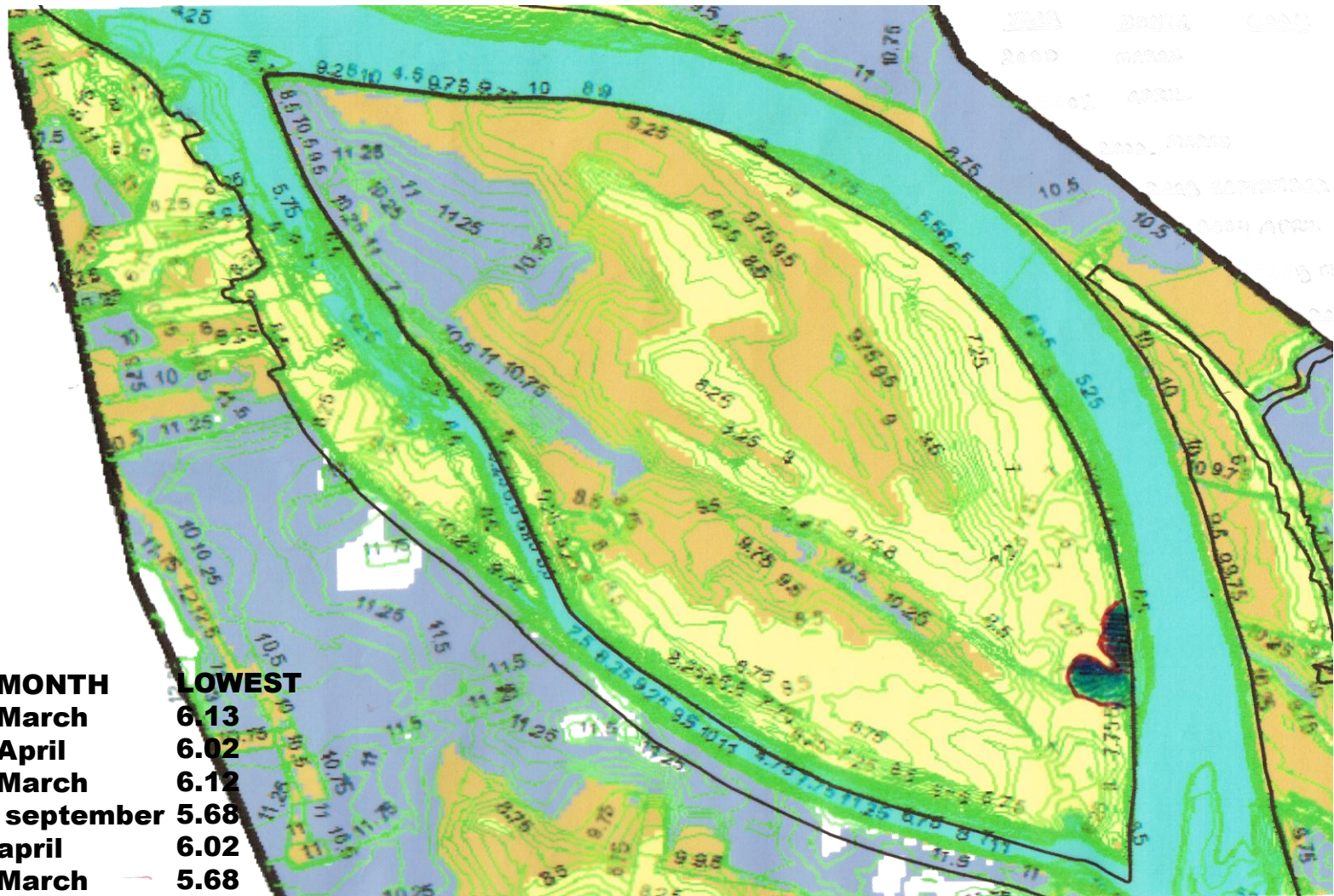
YEAR	MONTH	CODE	HIGHEST
2007	Aug	×	All area (12.56)
2008	Sep	×	All area (11.90)
2009	Aug	□	10.89
2010	Sep	□	10.85
2011	Aug	□	10.72
2012	Sep	×	All area (11.40)
2013	Sep	□	10.11





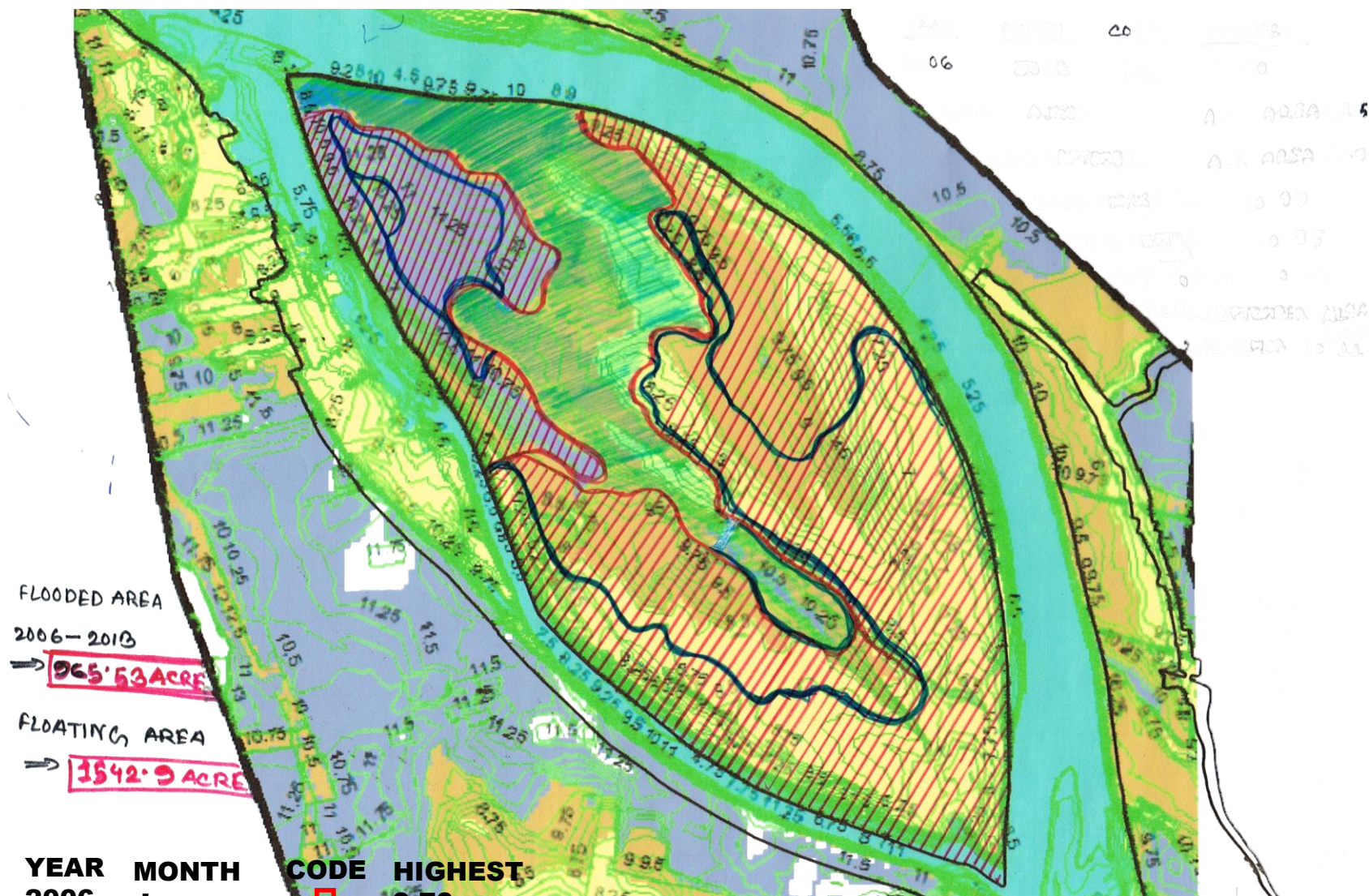
AREA 03





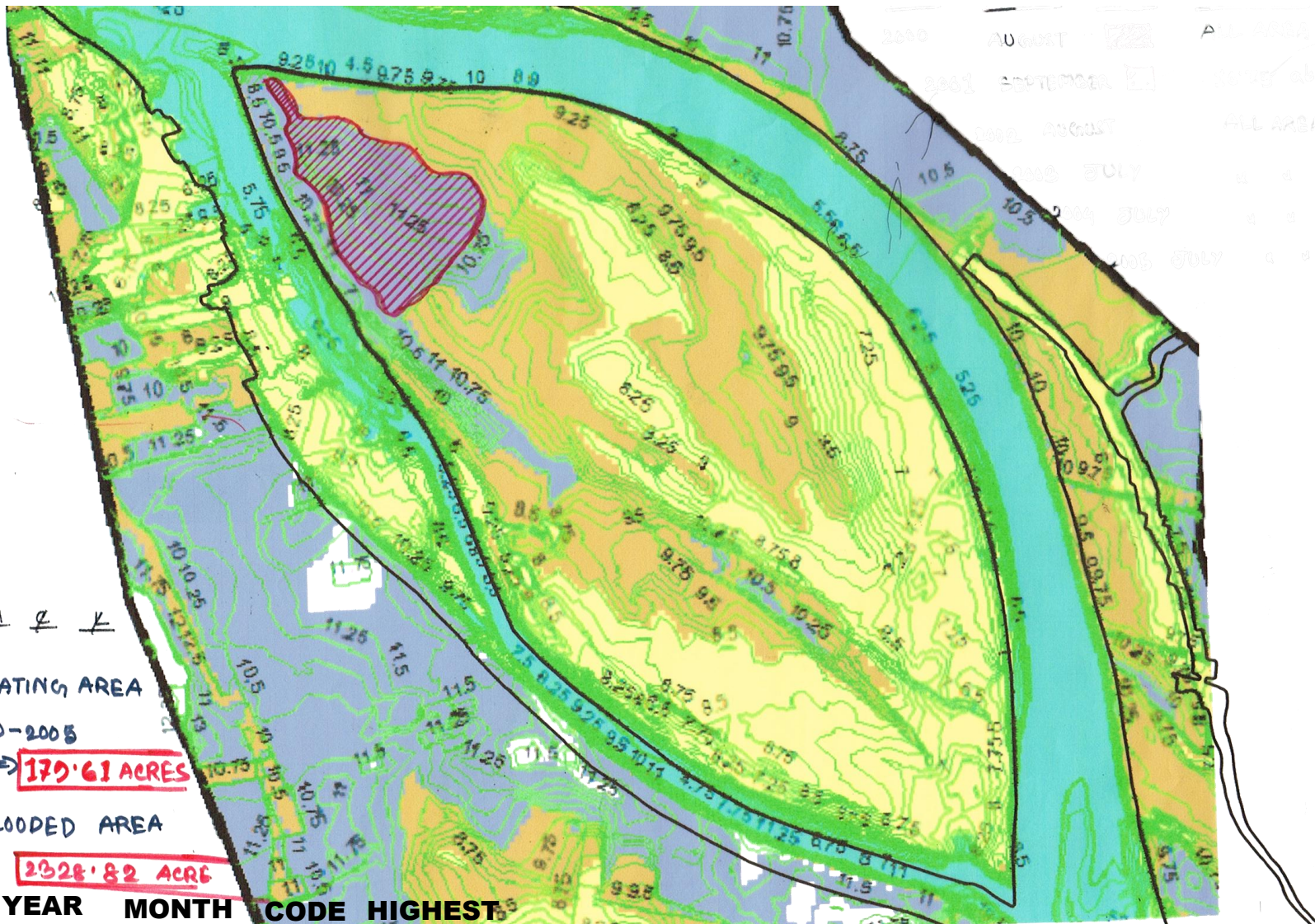
YEAR	MONTH	LOWEST
2000	March	6.13
2001	April	6.02
2002	March	6.12
2003	september	5.68
2004	april	6.02
2005	March	5.68
2006	April	5.53
2007	April	5.63
2008	April	5.42
2009	april	4.97
2010	March	5.42
2011	April	5.32
2012	April	5.14
2013	March	5.10

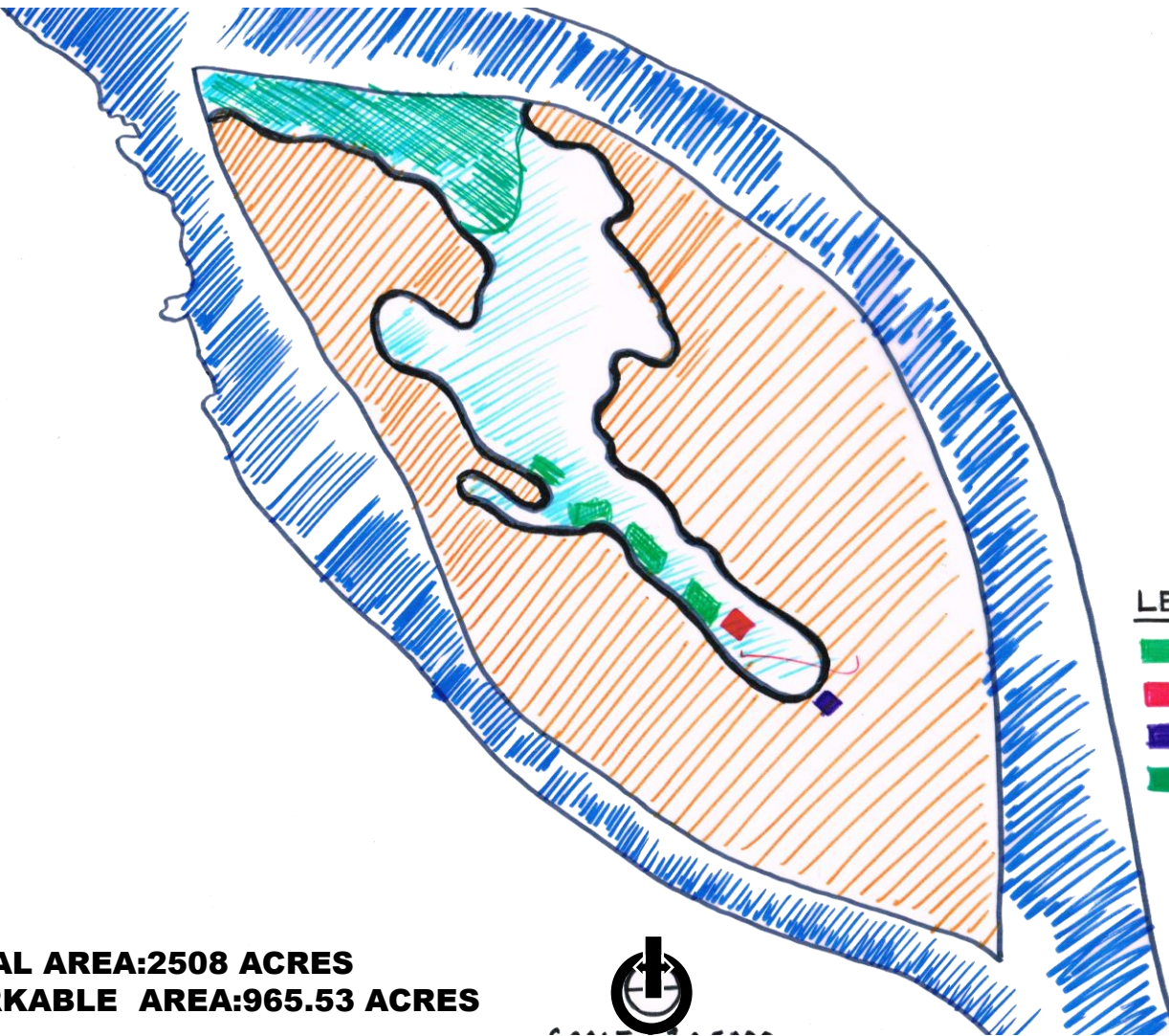




YEAR	MONTH	CODE	HIGHEST
2006	June	■	9.70
2007	August		All area (12.50)
2008	September		All area (11.92)
2009	Aug	■	10.89
2010	Sep		10.85
2011	Aug		10.72
2012	Sep		All area (11.42)
2013	Sep		10.11







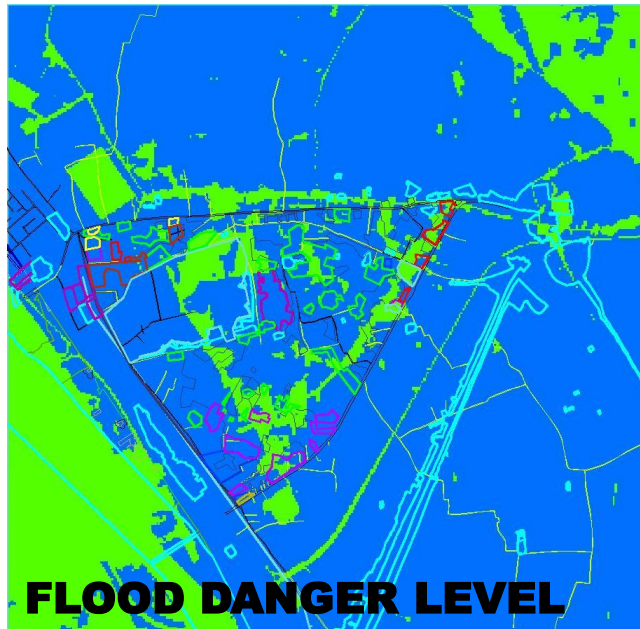
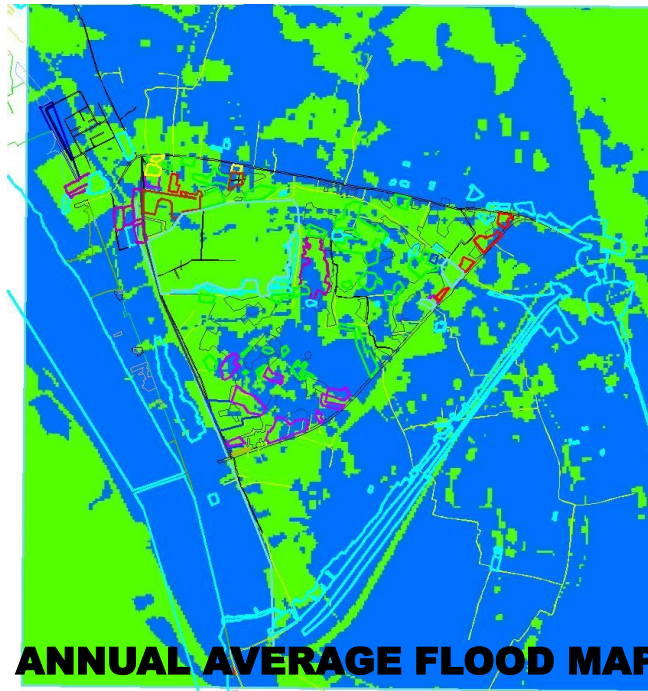
LEGEND

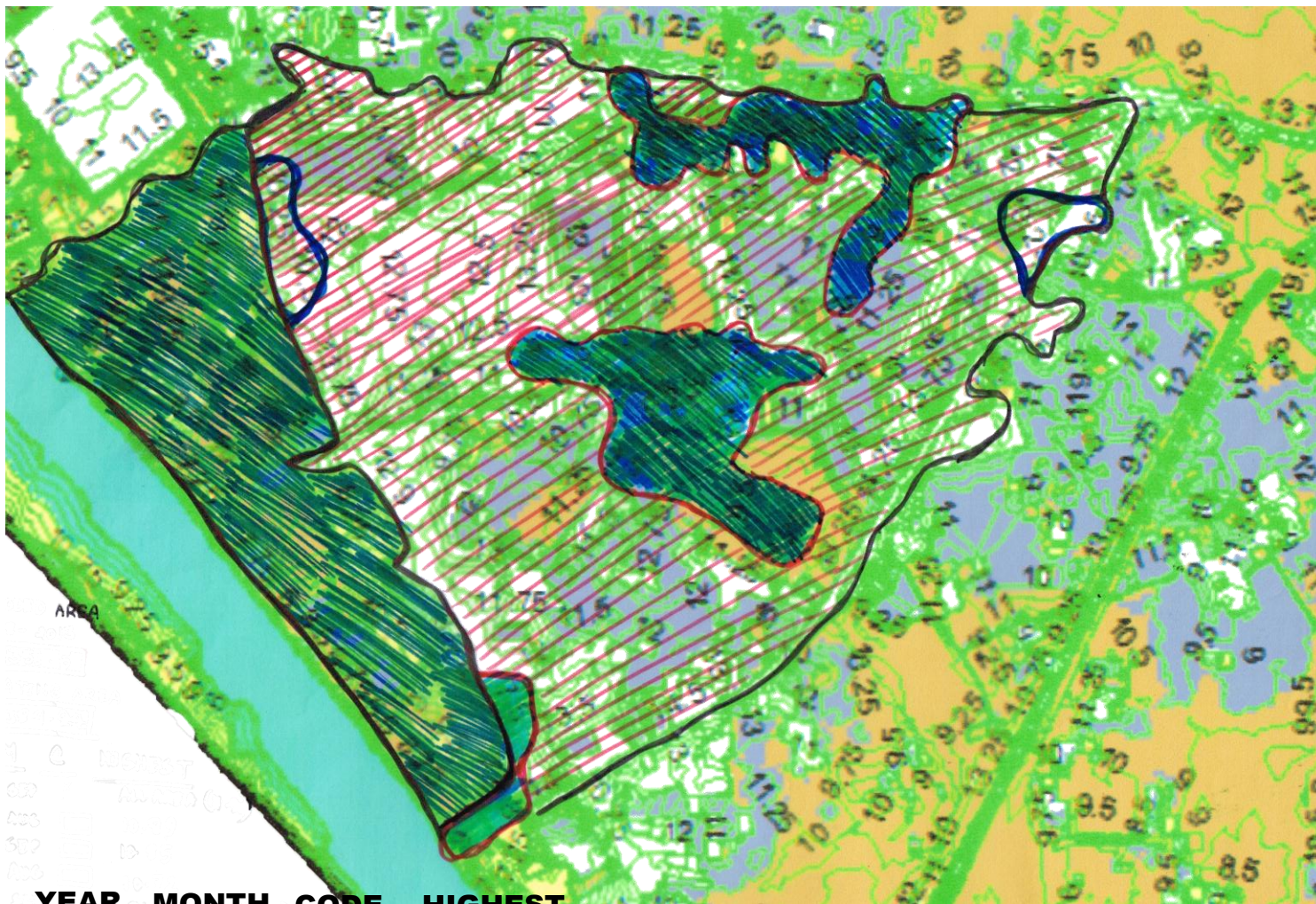
- RESIDENTIAL
- COMMERCIAL
- RELIGIOUS
- 2 SEASONAL CROPS

TOTAL AREA: 2508 ACRES
WORKABLE AREA: 965.53 ACRES






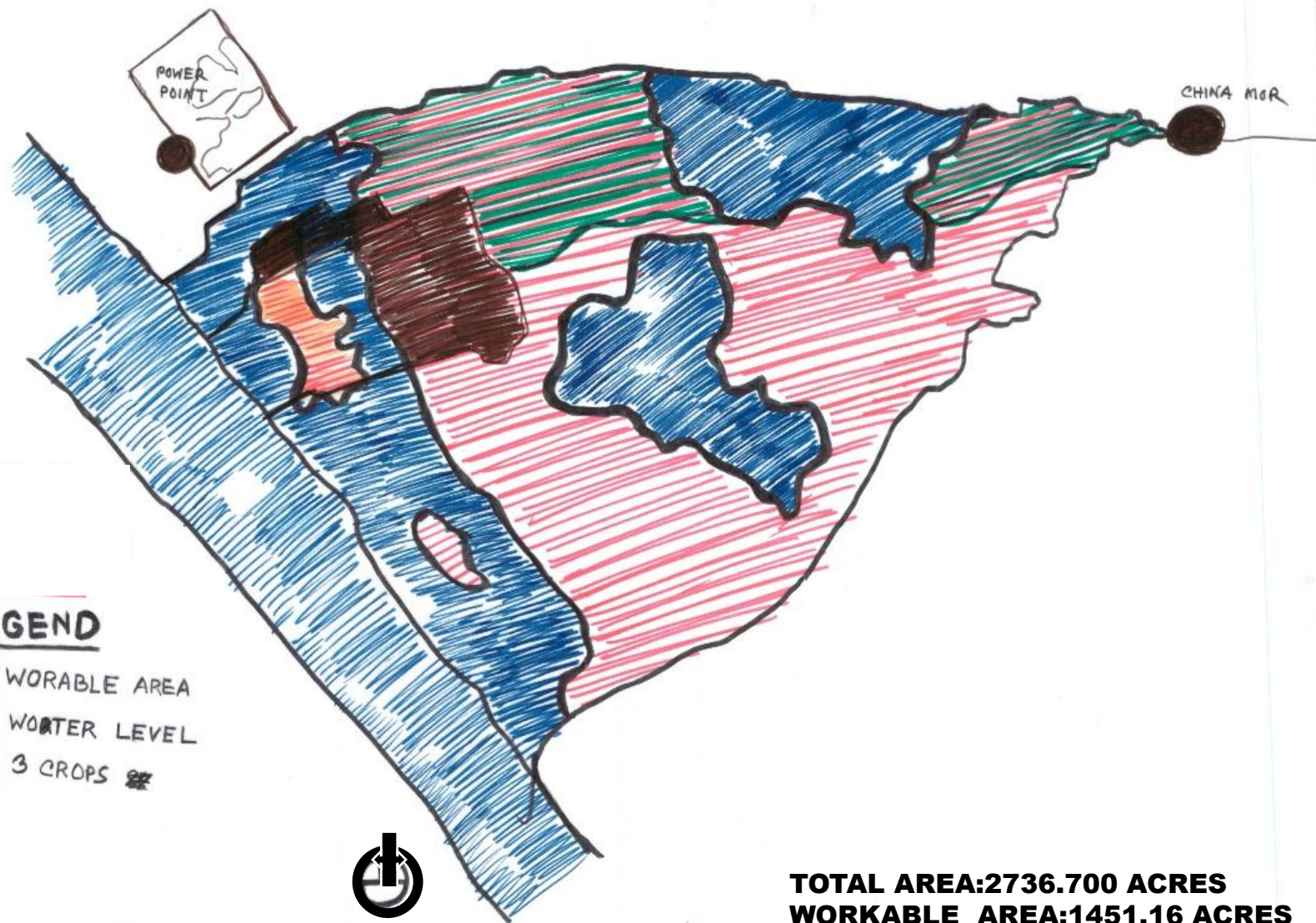
AREA 03





LEGEND

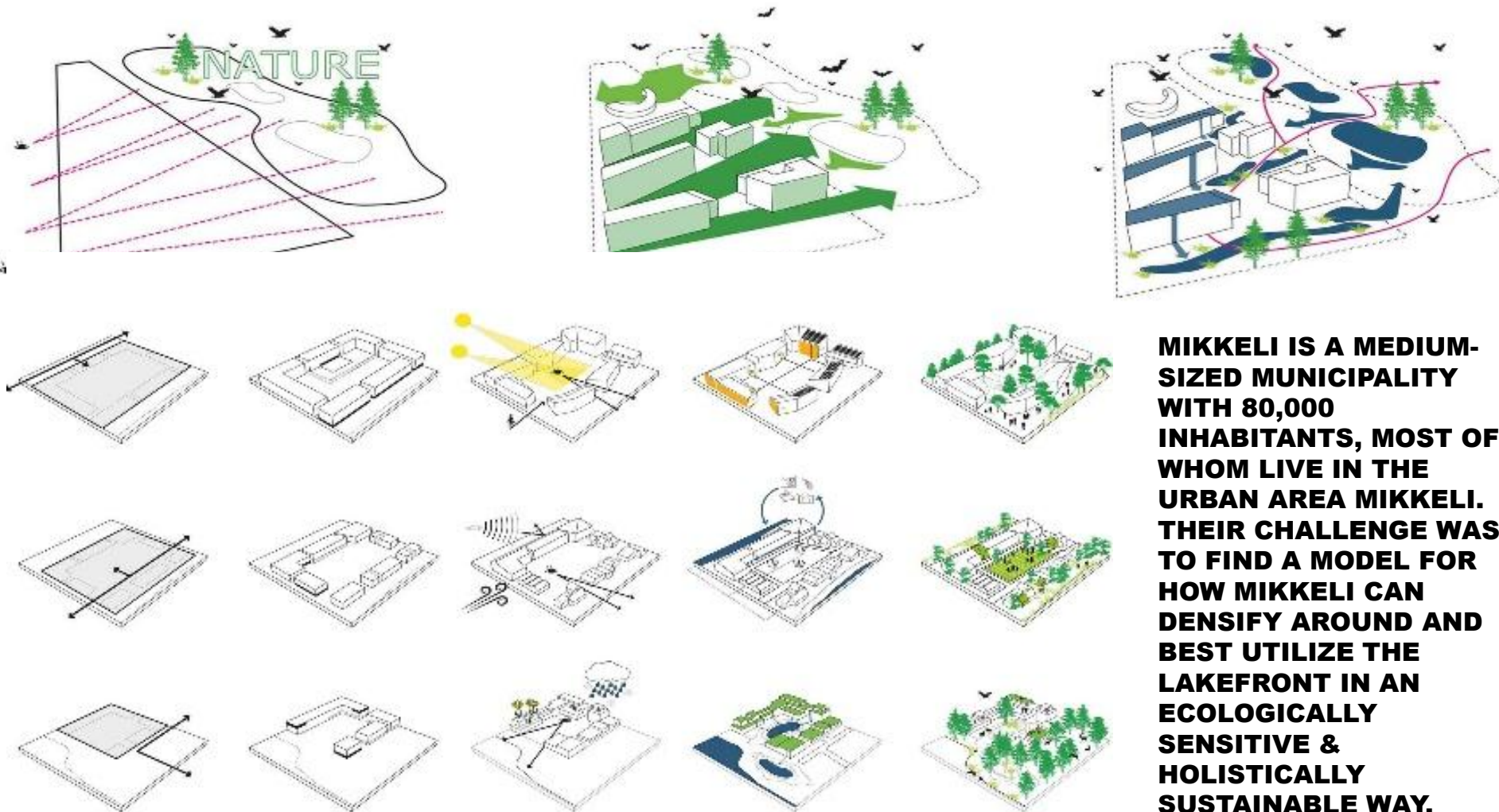
-  WORKABLE AREA
-  WATER LEVEL
-  3 CROPS



TOTAL AREA: 2736.700 ACRES
WORKABLE AREA: 1451.16 ACRES

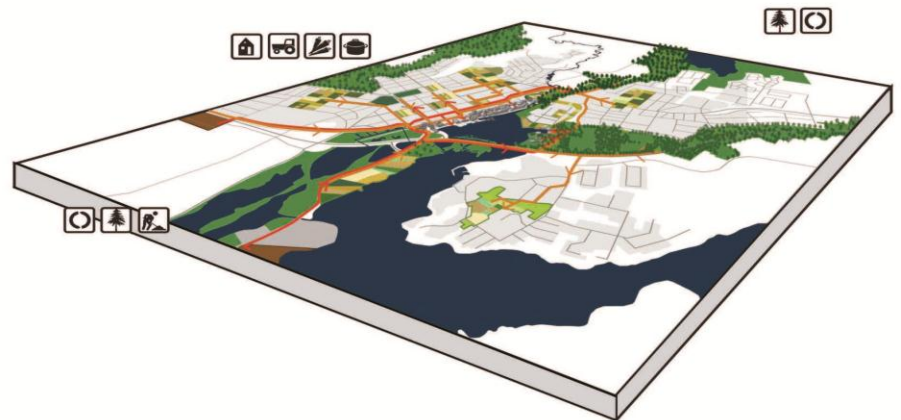
CASE STUDY

PROJECT NAME: Resilient Mikkeli' Third Prize Winning Proposal





WITHIN EVERY DEVELOPMENT ZONE, WE HAVE DEVELOPED A SELF-SUPPORTING ECO-STRUCTURE. WITH DESIGNED ECOLOGIES FIT INTO THE LANDSCAPE.



PROJECT NAME: MARINA BAY URBAN CITY



Mass Rapid Transit Lines Linking Marina Bay to the rest of the city



COURTESY OF MARINA BAY GOLF COURSE. ALL RIGHTS RESERVED.

THE MARINA BAY WATERFRONT PROMENADE HAS BEEN DESIGNED AS A WELL SHADED ENVIRONMENT FOR PEDESTRIANS, WITH LUSH TREE PLANTING.

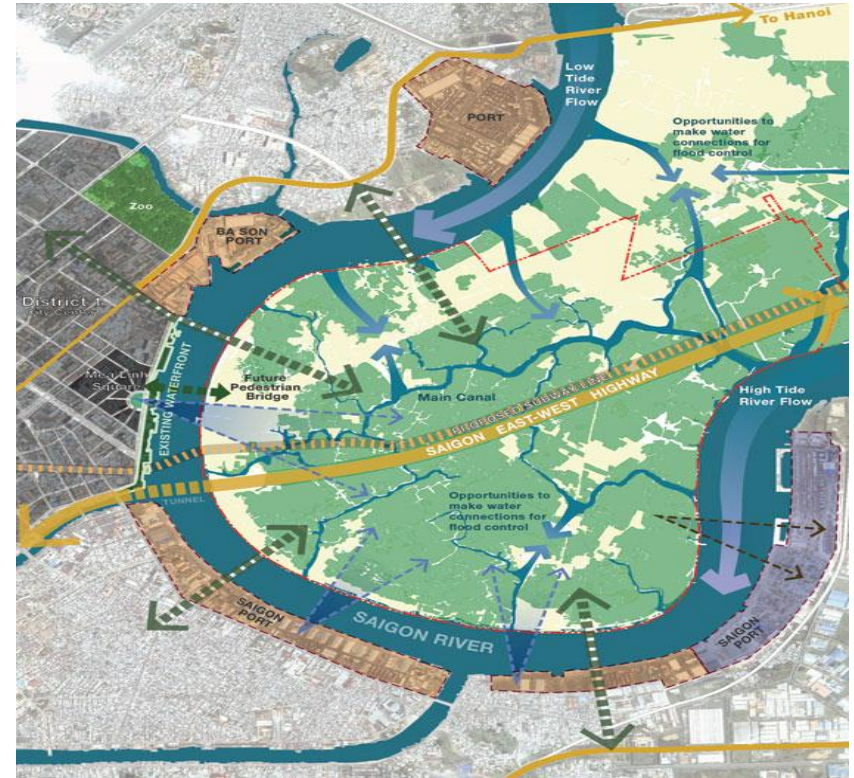
A DAM HAS BEEN CONSTRUCTED ACROSS THE MARINA CHANNEL THAT WILL ACT AS A TIDAL BARRIER TO KEEP OUT SEA WATER AND CONTROL FLOODING. WITH MARINA BARRAGE, MARINA BAY WILL TURN INTO A FRESHWATER RESERVOIR

PROJECT NAME: Thu Thiem Master Plan

LOCATION : Ho Chi Minh City Vietnam

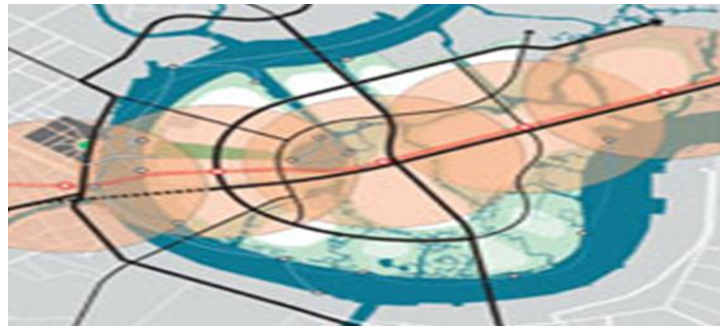
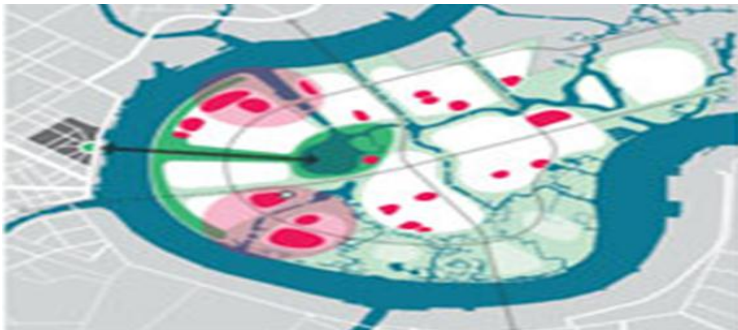
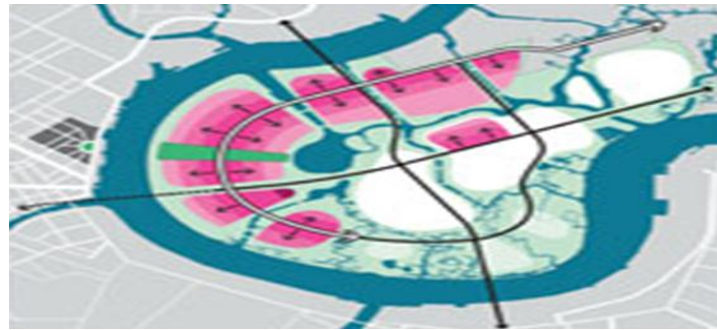
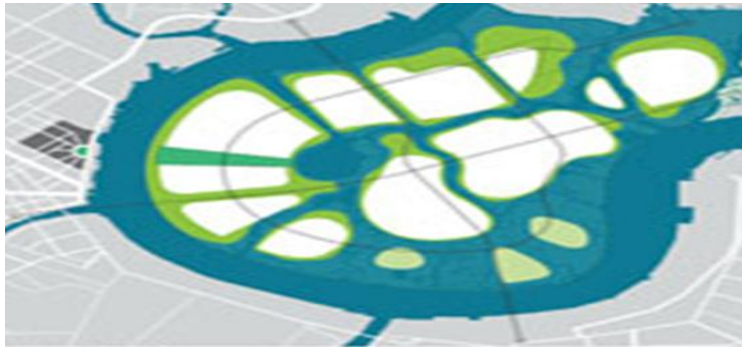


The planning for Thu Thiem has occurred over a nine-year span. It makes strategic adjustments to land use, landscapes, and development program based on evolving requirements for both public lands and market and economic conditions.



At an ecological scale, the public spaces will clean the air, clean the water, be open to families, children, and seniors, and act as key components of the ecological sustainability emphasis at Thu Thiem.

CHRONOLOGICAL DEVELOPMENT OF DESIGN



RESORT

KOH SAMUI RESORT

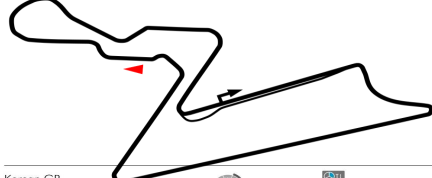
THAILAND



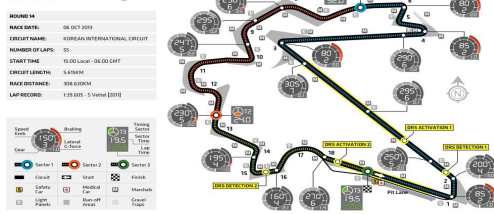
IS THE ISLAND OF THREE MILLION COCONUT TREES! IT IS THE THIRD LARGEST ISLAND IN THAILAND, WITH A AREA OF 228.7 KM²

FORMULA 1

BUDDH INTERNATIONAL CIRCUIT



Korean GP



AREA : 500 ACRE
 WIDTH: 1850 MM (72.8") MAXIMUM
 WHEELBASE: 3000-3125 MM
 TRACK: 1579 MM (FRONT) AND
 1536 MM (REAR)

Golf club (okanagan)

AREA : 264 ACRE



SIZE OF 18 HOLE GOLF : 5000 -7000 YARD

GREENS. MOST GOLF COURSES ARE SPREAD ACROSS 110 TO 190 ACRES. THE NUMBER OF OF ACRES REQUIRED WAS DETERMINED DURING A FEBRUARY 2001 SURVEY BY THE GOLF COURSE SUPERINTENDENT ASSOCIATION OF AMERICA.

DISNEY LAND

ACRE : 4940 ACRES



29 RESTAURANTS WERE BUILT INSIDE THE PARK WITH A FURTHER 11 RESTAURANTS BUILT AT THE EURO DISNEY RESORT HOTELS AND FIVE AT FESTIVAL DISNEY. 2300 PATIO SEATS (30% OF PARK SEATING) WERE INSTALLED TO SATISFY EUROPEANS EXPECTED PREFERENCE OF EATING OUTDOORS IN GOOD WEATHER. EURO DISNEY ALMED FOR PERMANENT EMPLOYEES (AN ESTIMATED REQUIREMENT OF 12000 FOR THE THEME PARK ITSELF).

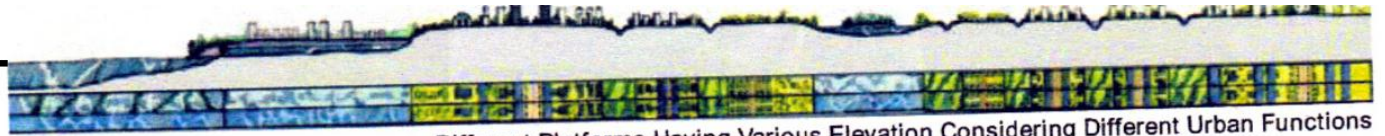
PROGRAMME FOR DOWN TO THE EARTH

- ECO RESORT
 - ECO VILLAGE
 - RESTAURANT
 - FISHERIES
 - CULTIVATION
 - GOLF CLUB
 - DENSE FOREST WITH BIRD SANCTUARY
 - IRRIGATION RESORT
- KOH SAMUI RESORT
THAILAND**

IRRIGATION

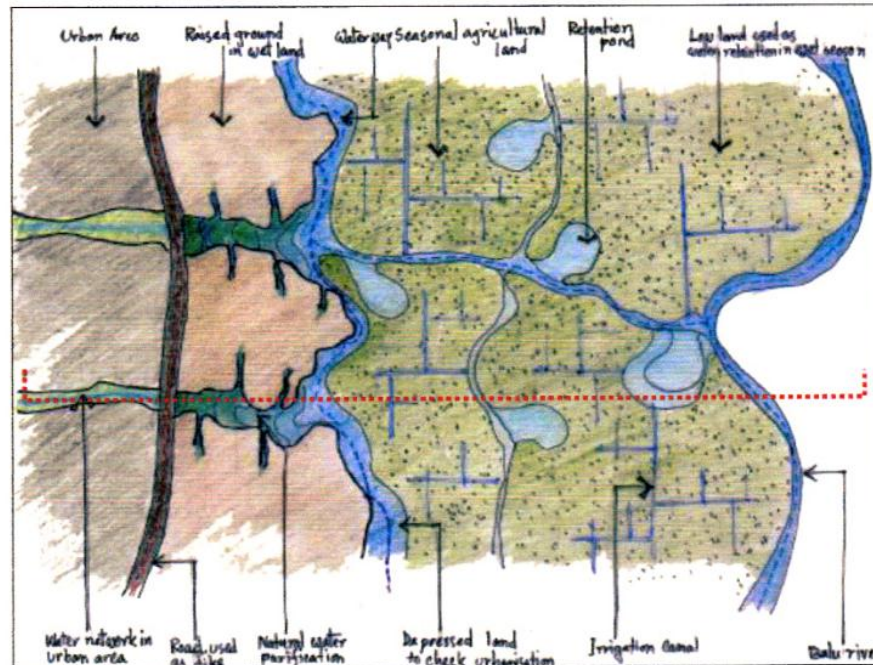


Allows River Water to Enter for Enriching Low Agricultural Land



Different Platforms Having Various Elevation Considering Different Urban Functions

FISHERIES



**100-300 POUND FISH
FOR EACH ACRE**

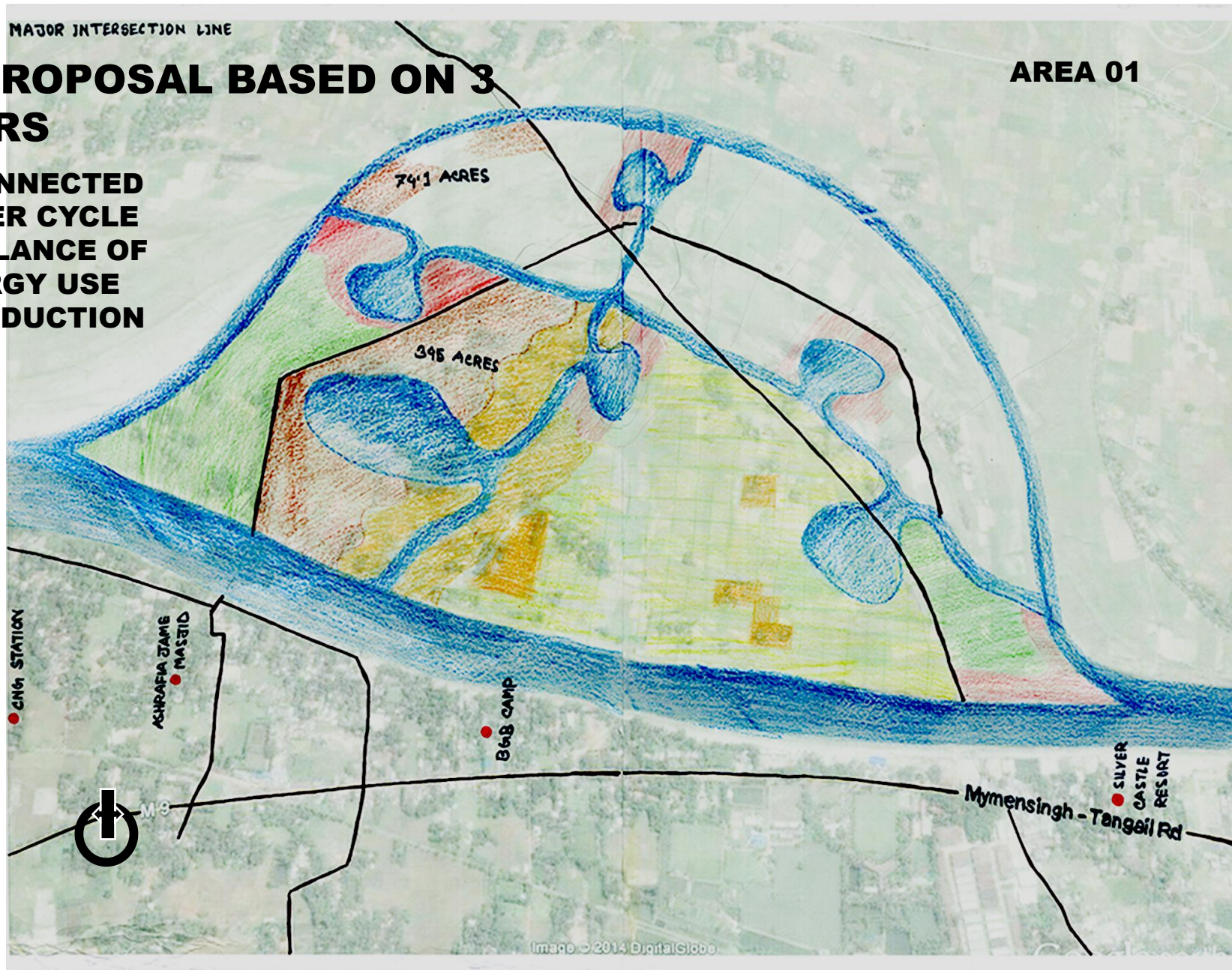
**2 ACRE PONDS ARE
PREFERABLE FOR
MAINTENANCE**

**RESTAURANTS ARE
PROVIDED FOR
UTILIZE THE
FISHERIES.**

MAJOR INTERSECTION LINE

OUR PROPOSAL BASED ON 3 PILLARS

- A CONNECTED WATER CYCLE
- A BALANCE OF ENERGY USE
- PRODUCTION



AREA 01

79.3 ACRE
PARK

215.11 ACRE
RESTAURANT

345 ACRE
LAKE

123.5 ACRE
LAKE

271.75 ACRE
GOLF CLUB

37.05 ACRE
LAKE

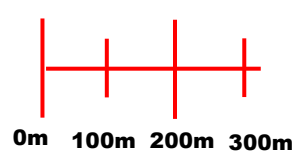
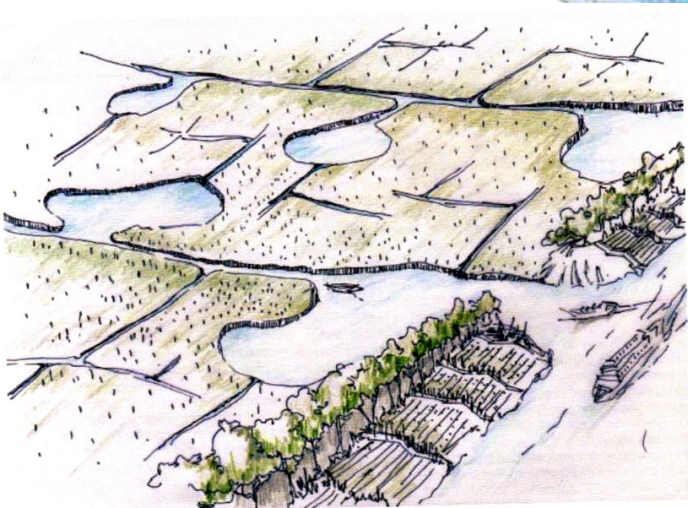
345 ACRE
ECO RESORT

74.1 ACRE
RESTAURANT

123.5 ACRE
LAKE

223.5 ACRE
GOLF CLUB

243.5 ACRE
ECO RESORT



MAJOR INTERSECTION LINE

Mymensingh - Suriakhali Hwy



AREA 03

96.8 ACRE
HOME STATE

227.23 ACRE
ECO RESORT

247 ACRE
EXISTING FOREST

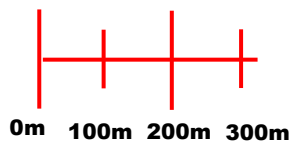
74.1 ACRE
LAKE

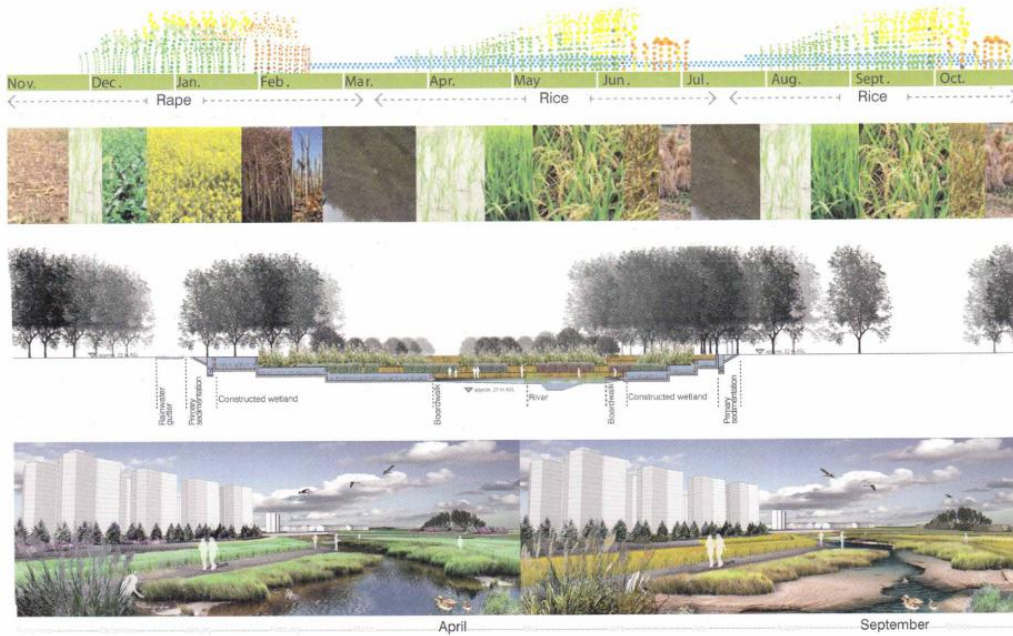
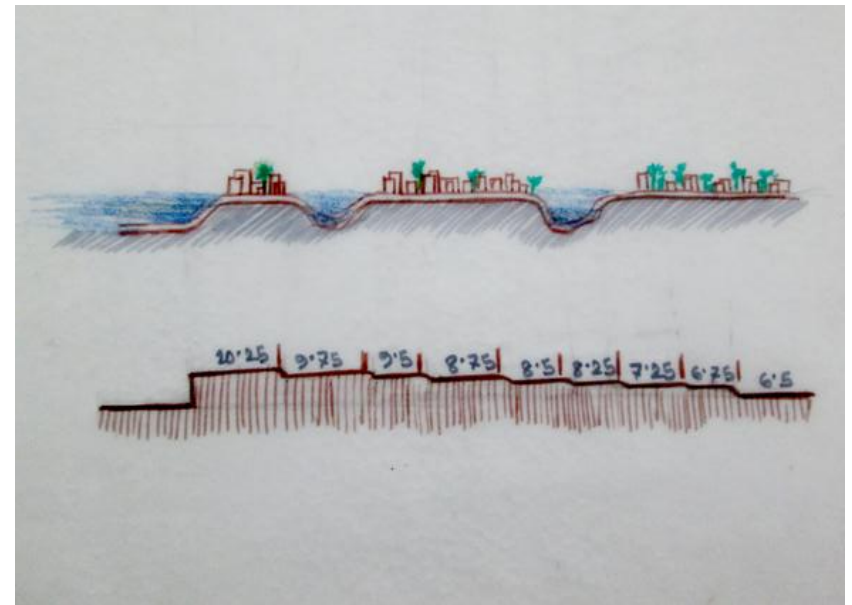
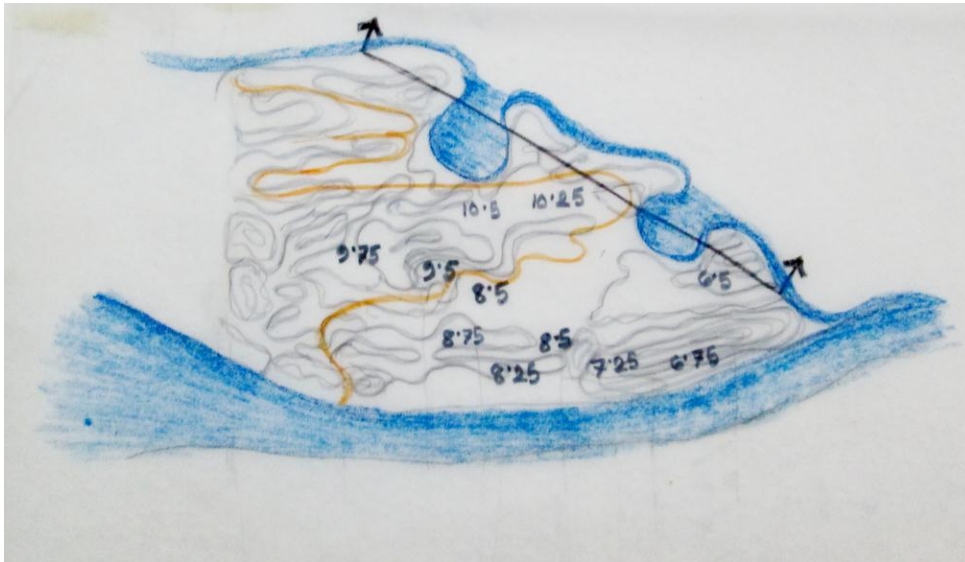
889.02 ACRE
DENSE FOREST

518.7 ACRE
IRRIGATION

37.05 ACRE
LAKE

30.05 ACRE
LAKE





CROPS	DURATION
MASHKALAI	SEPTEMBER-FEBRUARY (ASWIN-MAGH)
MASHURI	SEPTEMBER-FEBRUARY (ASWIN-MAGH)
KHESHARI DAL	SEPTEMBER-FEBRUARY (ASWIN-MAGH)
IRI-DHAN	OCTOBER-FEBRUARY
BAWA DHAN	MAY-JULY (SHRABON)

AREA 03

198 ACRE
2 SEASONAL CROPS

45ACRE
HOME STATE

124 ACRE
ECO RESORT

30ACRE
RESTAURANT

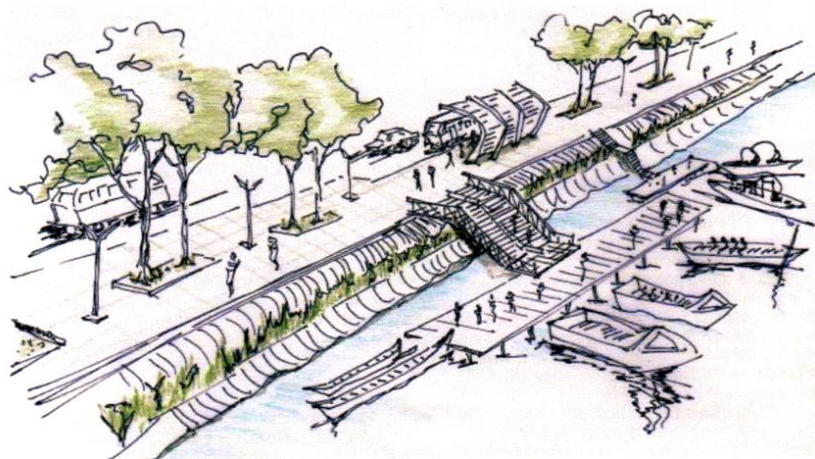
50 ACRE
LAKE

196 ACRE
FAMILY RECREATIONAL SPACE

370 ACRE
WATER PARK

395 ACRE
LAKE

670 ACRE
DISNEY LAND



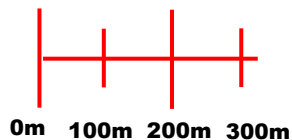
395 ACRE
LAKE

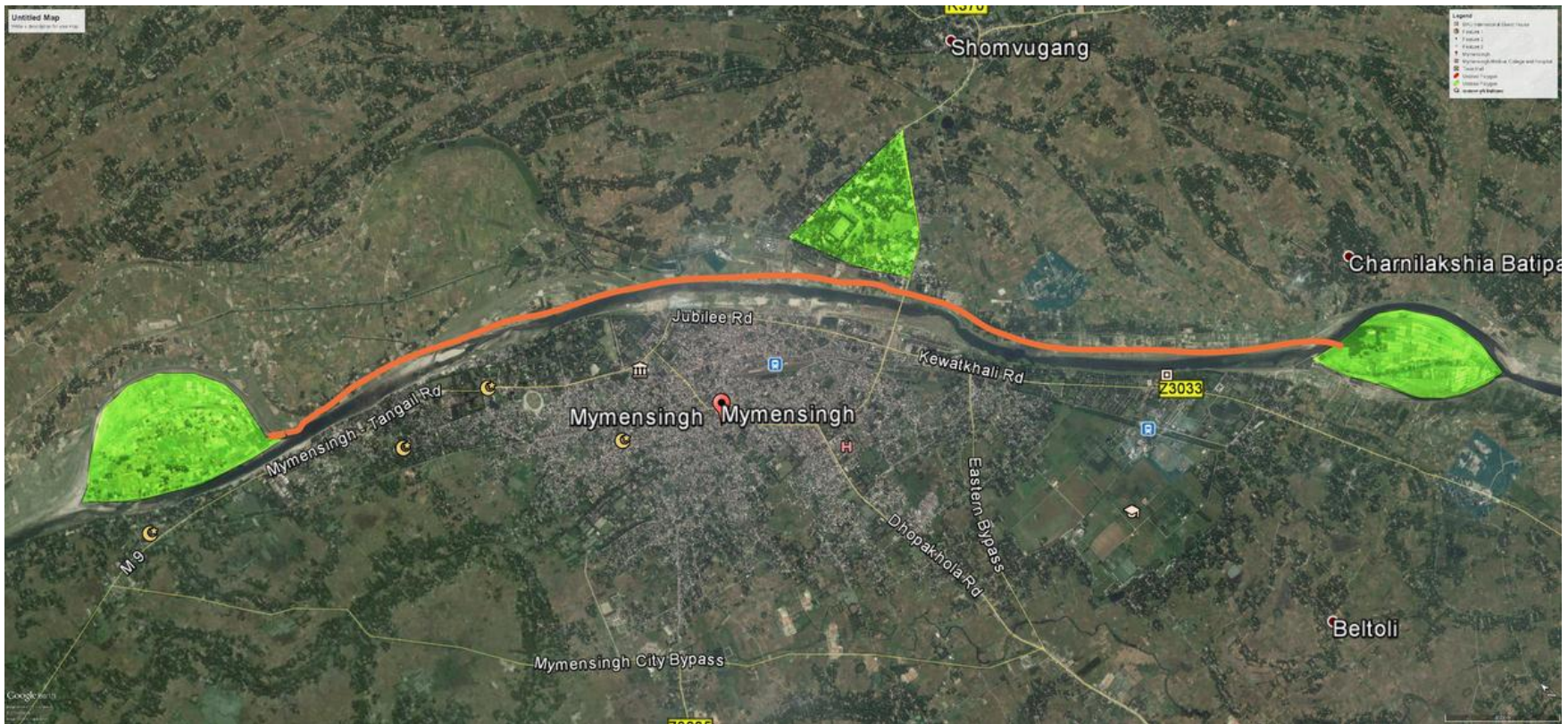
18ACRE
FERRIES WHEEL

40 ACRE
RESTAURANT

24 ACRE
LAKE

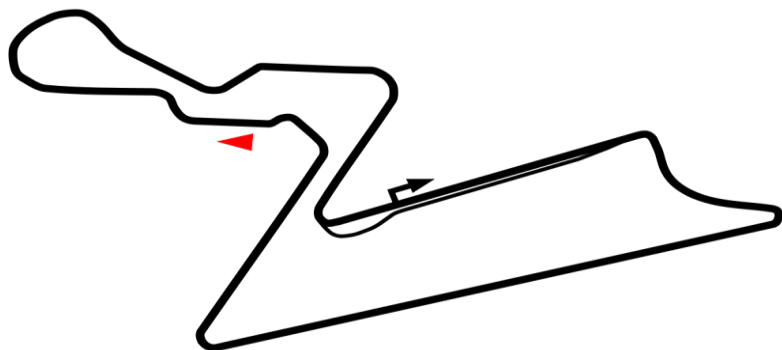
98 ACRE
ECO RESORT





FORMULA 1

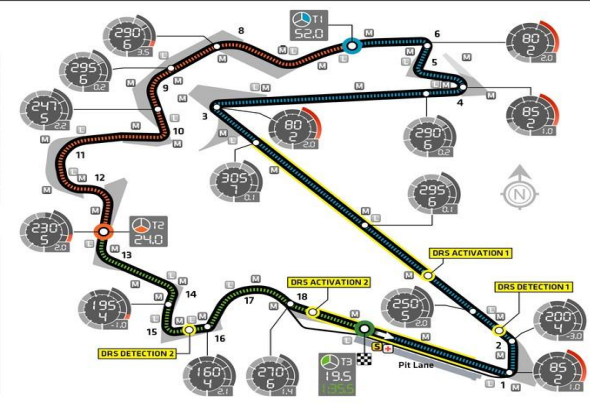
BUDDH INTERNATIONAL CIRCUIT



Korean GP

ROUND 14	
RACE DATE:	06 OCT 2013
CIRCUIT NAME:	KOREAN INTERNATIONAL CIRCUIT
NUMBER OF LAPS:	55
START TIME:	15:00 Local - 06:00 GMT
CIRCUIT LENGTH:	5.615KM
RACE DISTANCE:	308.630KM
LAP RECORD:	1:39.605 - S Vettel [2011]

Speed Kmh	Braking Lateral G-force	Timing Sector Time
Gear		Lap Time
Sector 1	Sector 2	Sector 3
Circuit	Start	Finish
Safety Car	Medical Car	Marshals
Light Panels	Run-off Areas	Gravel Traps



THANK YOU