

PROPOSED INTERVENTIONS

Sl	Interventions / Items	Qty
1	De-Weeding	45910 Sqm
2	De-Silting	33557.14 Cum
3	Peripheral Bund	1867 meter
4	Double H P Laying – 1200 φ	2 nos
5	Demarcation Pillar	20 nos
6	Rearing Tank – 0.15 ha each	4 nos
7	Stocking Tank – 0.40 ha each	3 nos
8	Pen Culture	
	Rearing Pen – 0.20 ha each	1 nos
	Stocking Pen – 0.40 ha each	2 nos
9	Katal/Jeng - 0.2 ha each	2 nos
10	Bamboo Barricade	200 meter
11	Community Hall cum Wetland Information Centre	202.09 Sqm PA
12	Hatchery with 40,000 lits capacity Overhead Tank	1
13	Fish Landing Structure	66.93 Sqm PA
14	Solar Lamp	7 units
15	Information Board	2 nos
16	Check DAM	7 m

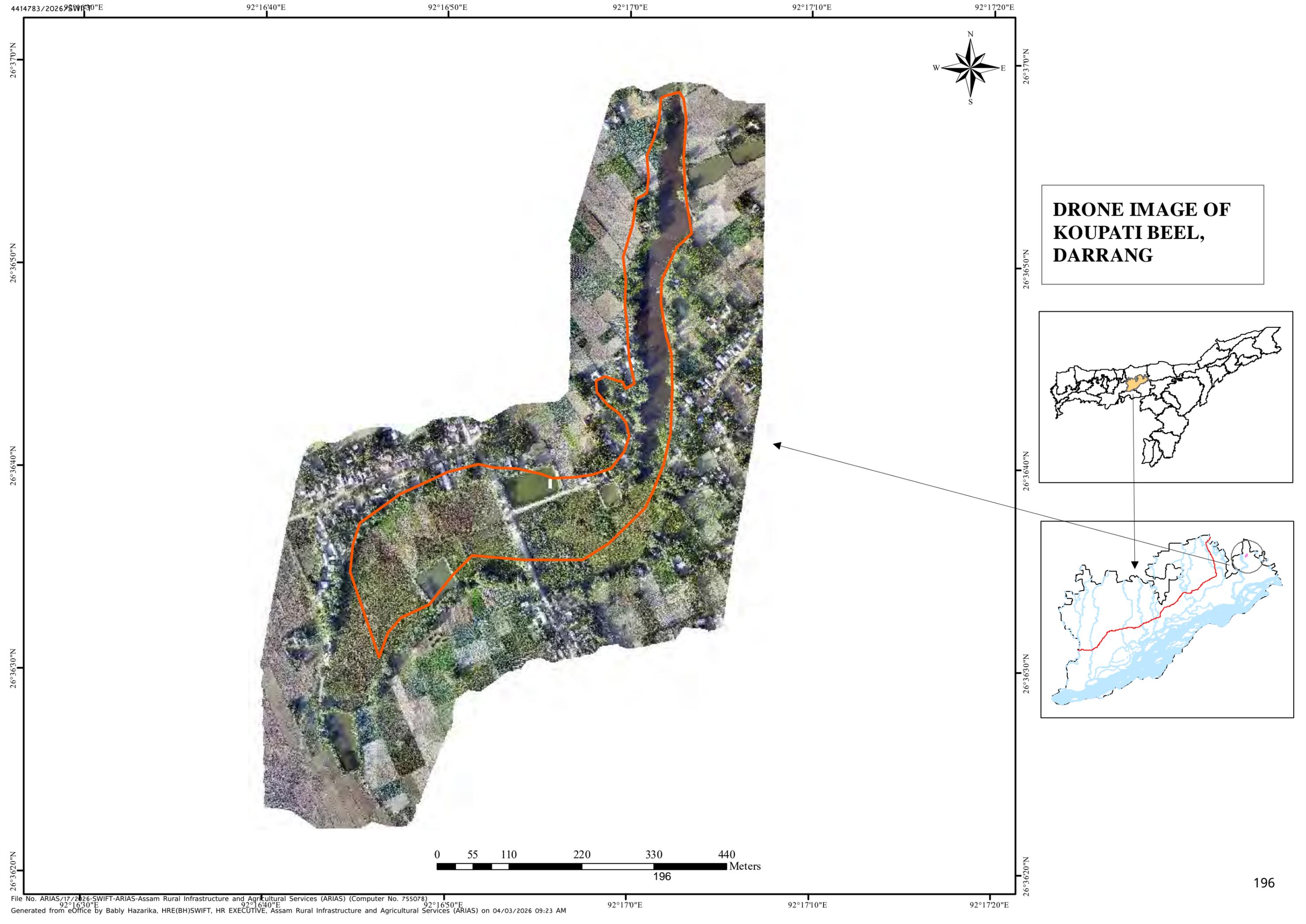
FUTURE PROVISION : (From other components)

- Vermicomposting unit
- Landscaping and plantation
- Eco-tourism development
- Furniture for community hall cum wetland information centre
- Craft & Gear

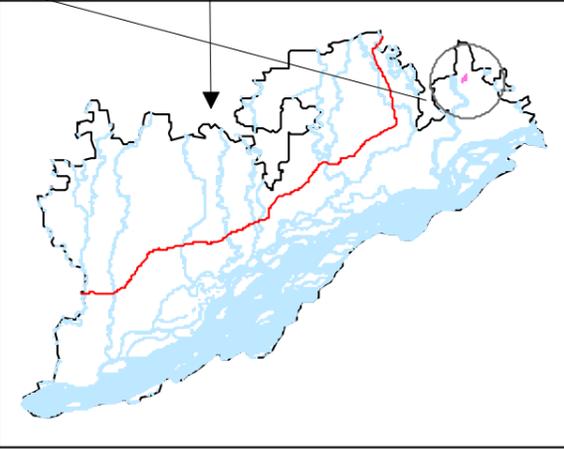
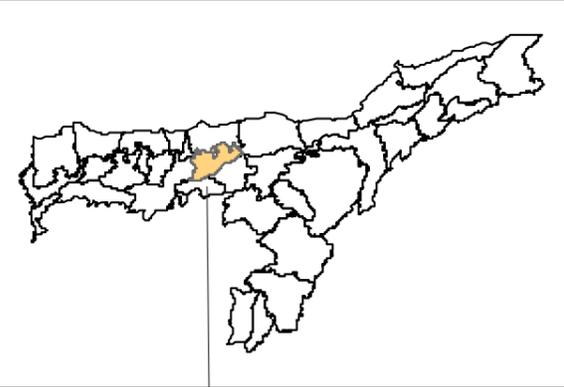
Name of Beel: Koupati Gaon Beel
Development Block : Dalgaon
Revenue Village : Koupati
District : Darrang
Lat/Long- 26.611027, 92.283484
Beel Area : 11 ha
Project Title: Sustainable Wetlands and Integrated Fisheries Transformation (SWIFT)
Client Detail: ARIAS Society 
Consultant Details : Sumato Globaltech Private Limited
Title: MASTER PLAN LAYOUT OF KOUPATI GAON BEEL
Date
Checked By
Submitted to
Recommended by
Approved by

Legend

-  Check DAM
-  Proposed Double HP
-  Proposed Vermicompost Site
-  Dimarcation Pillar
-  TBM (72 m)
-  Proposed Embankment
-  Fish Hatchery
-  Bamboo Barricade
-  Orang NP Approach Road
-  Paved Road
-  Paved Block Road inside Beel
-  Katal Structure
-  Stocing Pen
-  Rearing Pen
-  Rearing Tank
-  Stocking Tank
-  Fish Land Structure
-  Community Hall cum Wetland Information Centre
-  Beel Boundary

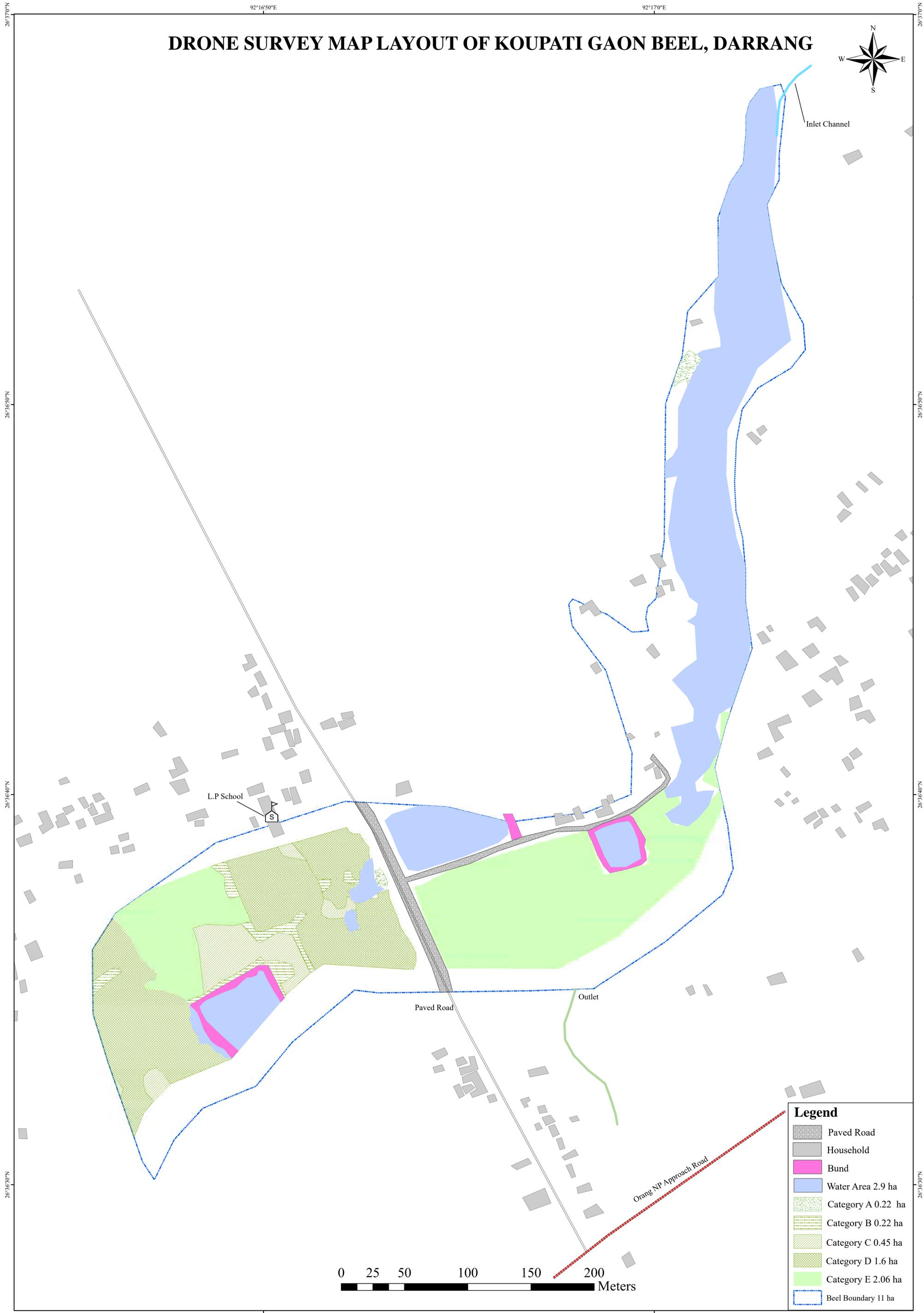
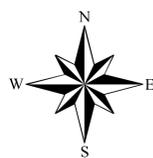


**DRONE IMAGE OF
KOUPATI BEEL,
DARRANG**



0 55 110 220 330 440
196 Meters

DRONE SURVEY MAP LAYOUT OF KOUPATI GAON BEEL, DARRANG

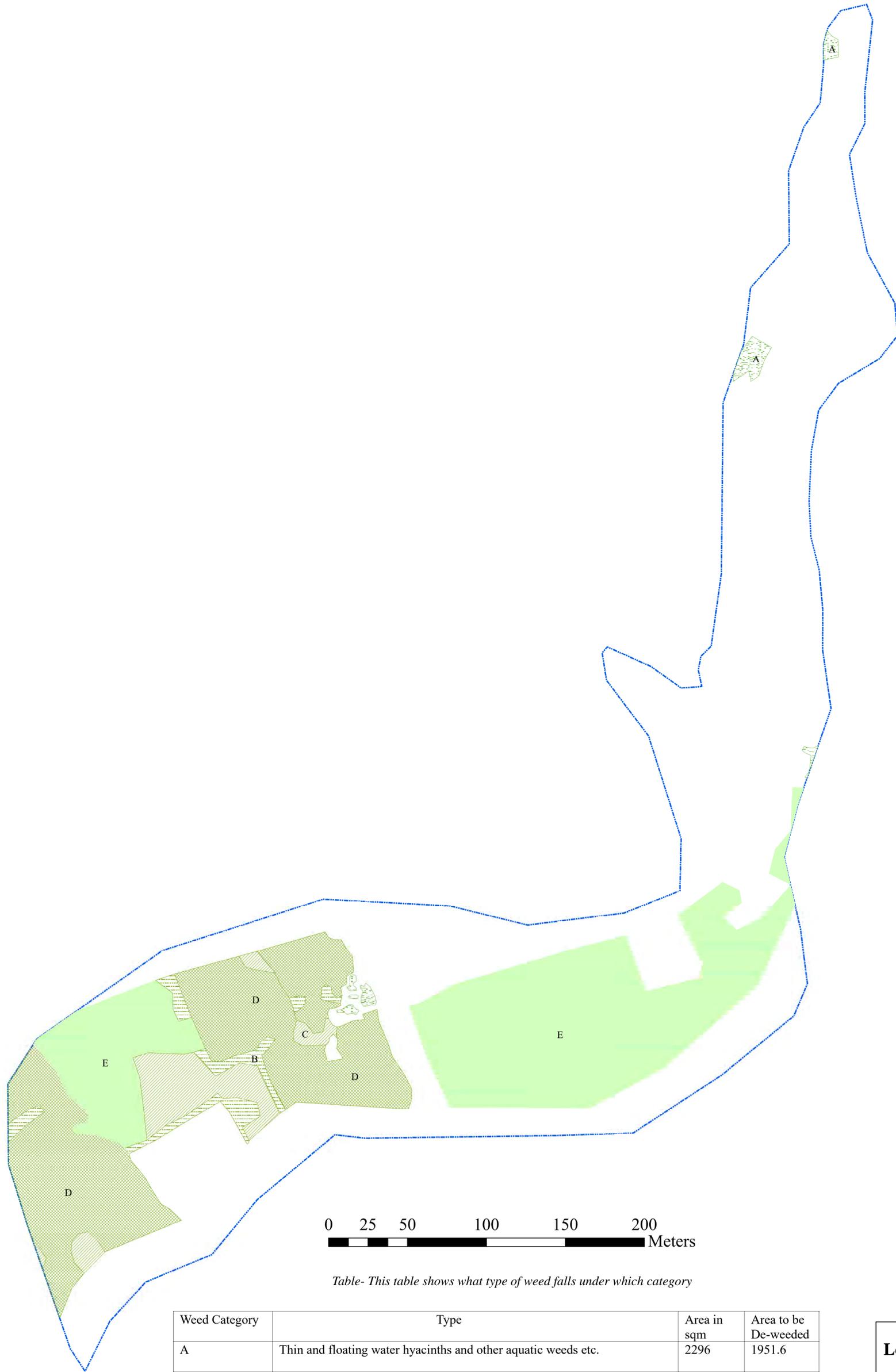
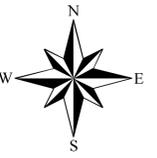


Legend	
	Paved Road
	Household
	Bund
	Water Area 2.9 ha
	Category A 0.22 ha
	Category B 0.22 ha
	Category C 0.45 ha
	Category D 1.6 ha
	Category E 2.06 ha
	Beel Boundary 11 ha

0 25 50 100 150 200 Meters

WEED INFESTED MAP OF KOUPATI BEEL, DARRANG

SHOWING THE WEED TYPE AND AREA COVERED



0 25 50 100 150 200
Meters

Table- This table shows what type of weed falls under which category

Weed Category	Type	Area in sqm	Area to be De-weeded
A	Thin and floating water hyacinths and other aquatic weeds etc.	2296	1951.6
B	Thick and floating water hyacinths and other aquatic weeds etc.	2296	1951.6
C	Thick and floating Taranies, Dalanies, Pitannies and other marginal aquatic weeds etc. upto a depth of 50 cm	4591	3902.35
D	Medium and floating Taranies, Dalanies, Pitannies and other marginal aquatic weeds etc. upto a depth of 50 cm to 80 cm	16068	13657.8
E	Heavy and floating Taranies, Dalanies, Pitannies and other marginal aquatic weeds etc. upto a depth of 80 cm to 120 cm	20660	17561

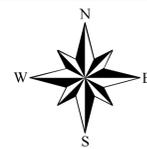
Legend

- Weed Category**
- Category A 0.22 ha
 - Category B 0.22 ha
 - Category C 0.45 ha
 - Category D 1.6 ha
 - Category E 2.06 ha
 - Beel Boundary 11 ha

92°16'50"E

92°17'0"E

BATHYMETRIC MAP & PROFILE OF KOUPATI GAON BEEL



26°36'50"N

26°36'50"N

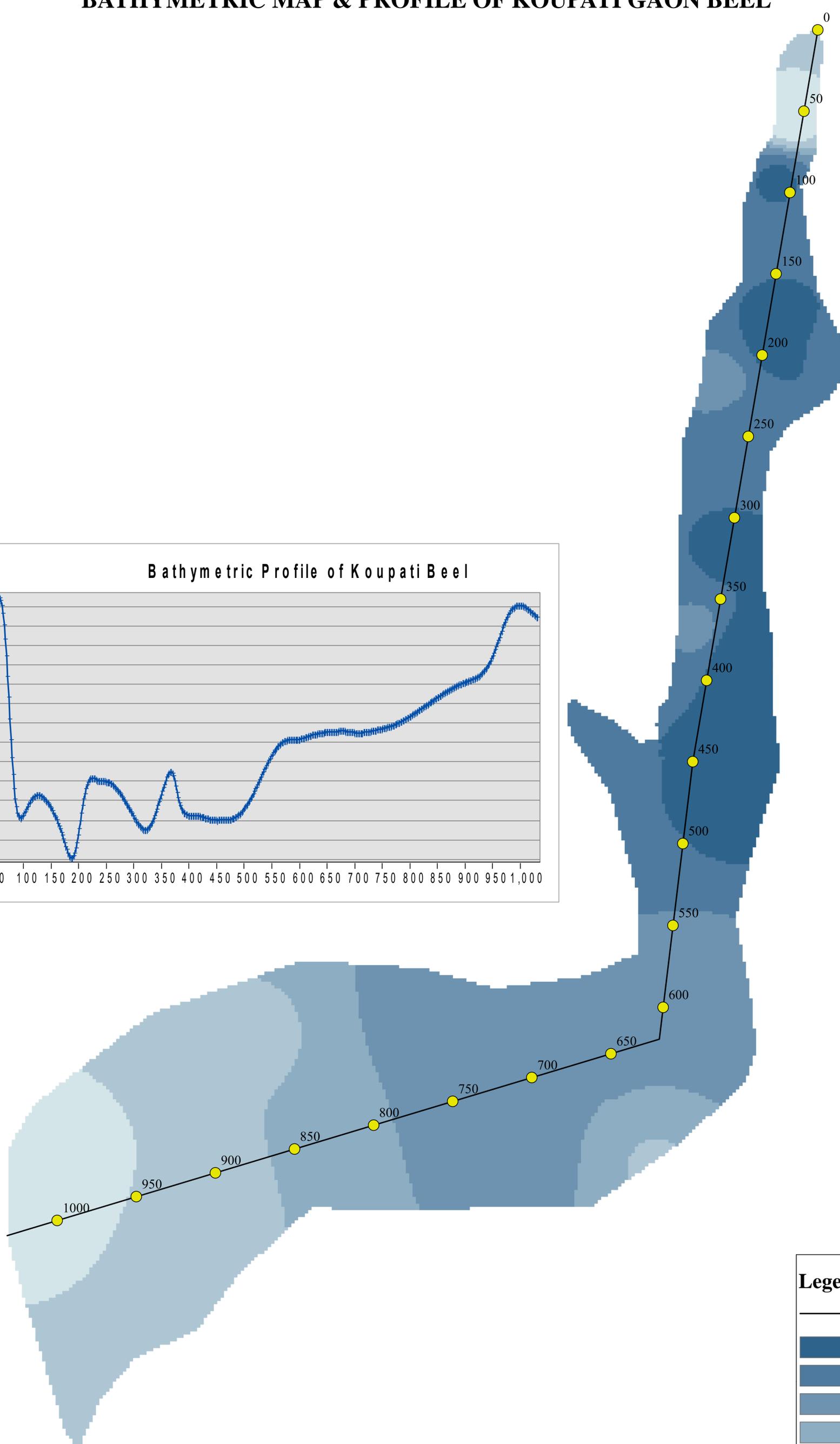
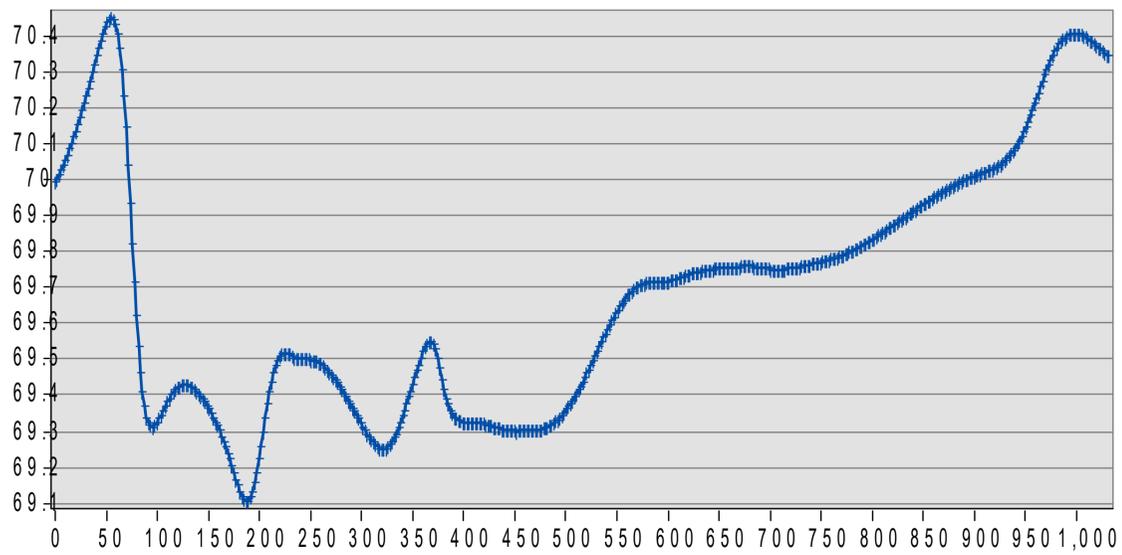
26°36'40"N

26°36'40"N

26°36'30"N

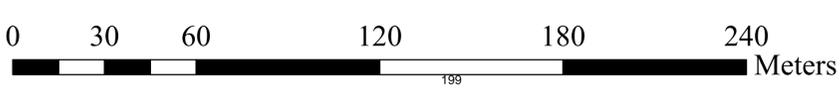
26°36'30"N

Bathymetric Profile of Koupati Beel



Legend

- Cross Section
- 69 - 69.35
- 69.36 - 69.59
- 69.6 - 69.81
- 69.82 - 69.96
- 69.97 - 70.19
- 70.2 - 70.5

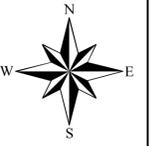


92°16'50"E

92°17'0"E

BATHYMETRIC CONTOUR MAP OF KOUPATI GAON, DARRANG

0.25 m CONTOUR INTERVAL



26°36'50"N

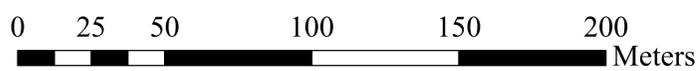
26°36'50"N

26°36'40"N

26°36'40"N

26°36'30"N

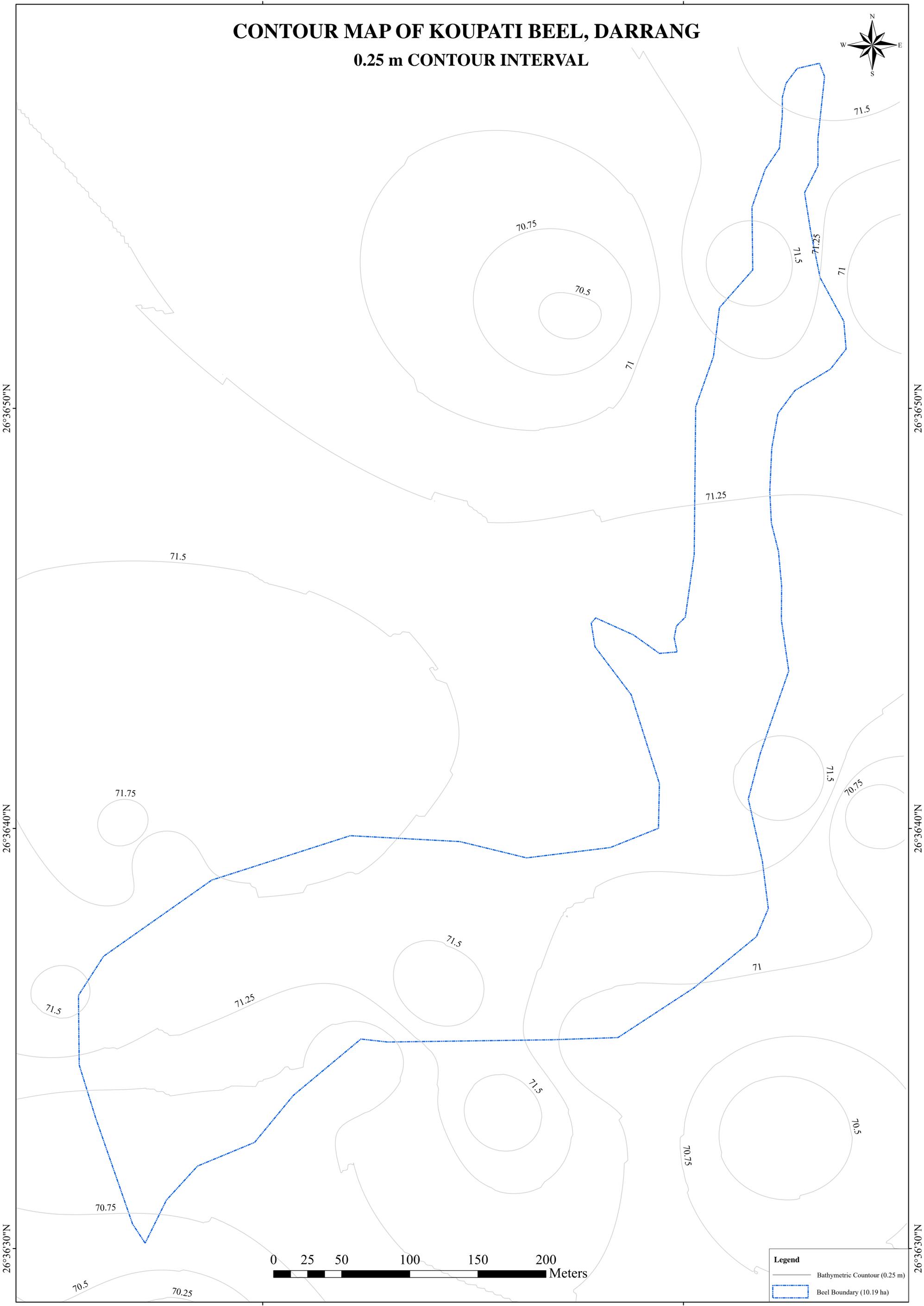
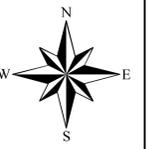
26°36'30"N



Legend	
	Bathymetric Countour (0.25 m)
	Beel Boundary (10.19 ha)

CONTOUR MAP OF KOUPATI BEEL, DARRANG

0.25 m CONTOUR INTERVAL



26°36'50"N

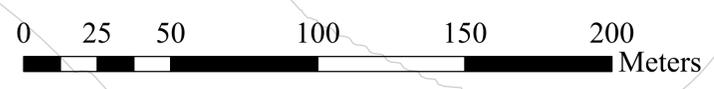
26°36'50"N

26°36'40"N

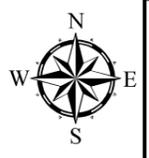
26°36'40"N

26°36'30"N

26°36'30"N

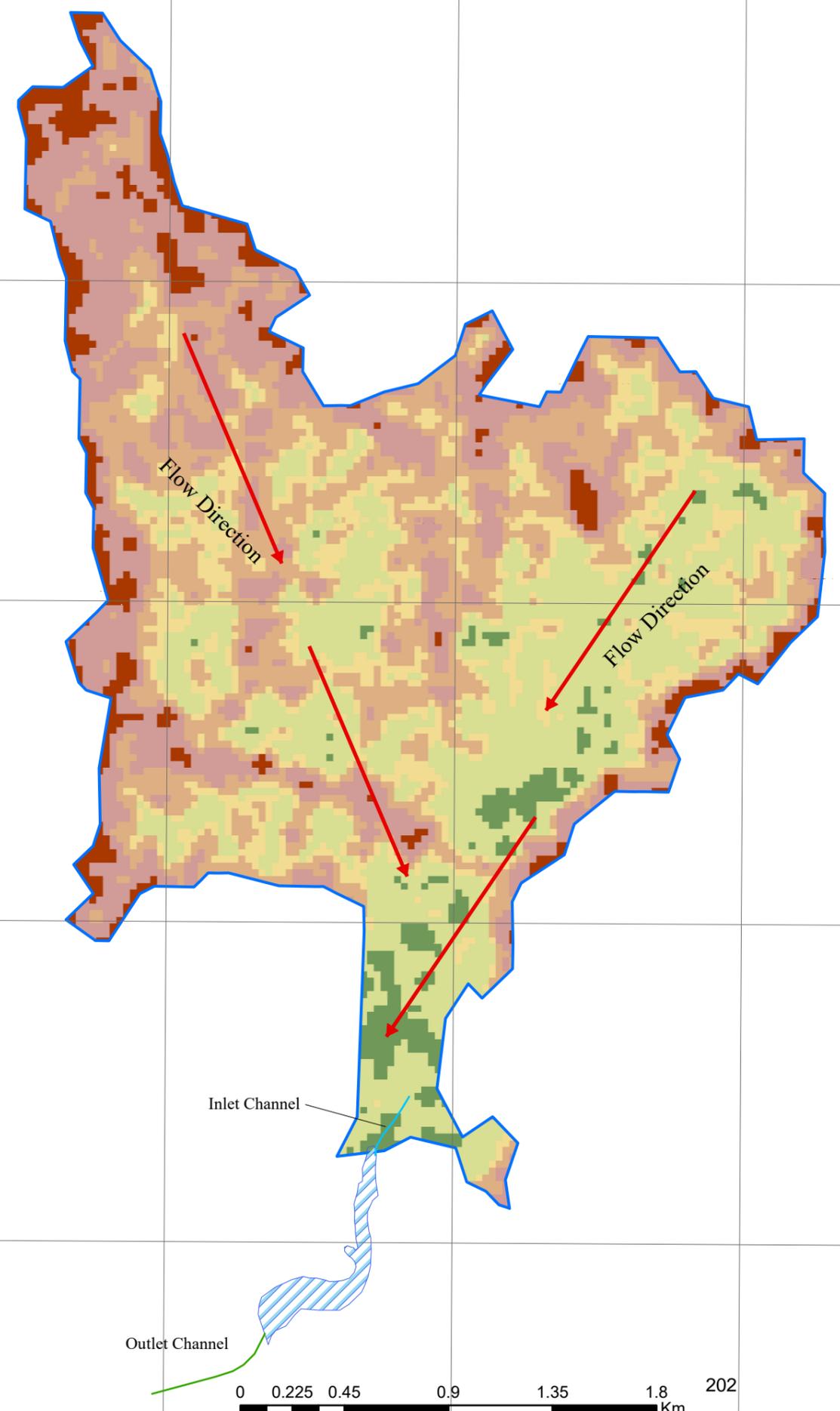
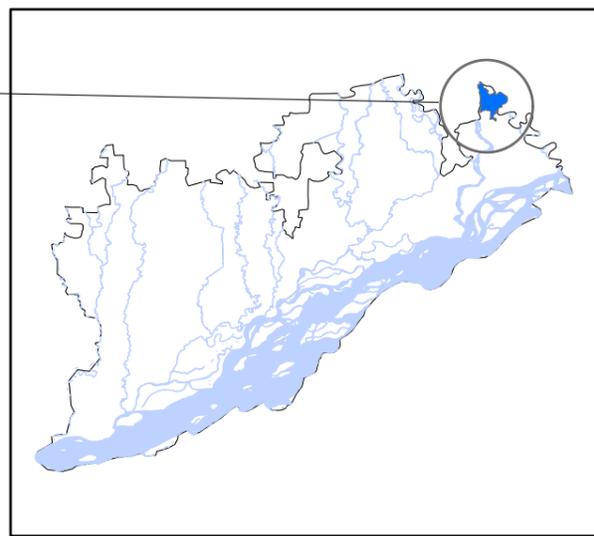


Legend	
	Bathymetric Countour (0.25 m)
	Beel Boundary (10.19 ha)



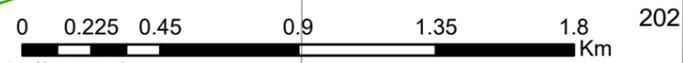
CATCHMENT AREA MAP OF KOUPATI BEEL, DARRANG

The wetland has no direct inlet channel. During the monsoon, excess rainwater from surrounding agricultural fields enters the wetland through an overflow channel, while the wetland drains its water through an outlet channel into the Dhansiri River.



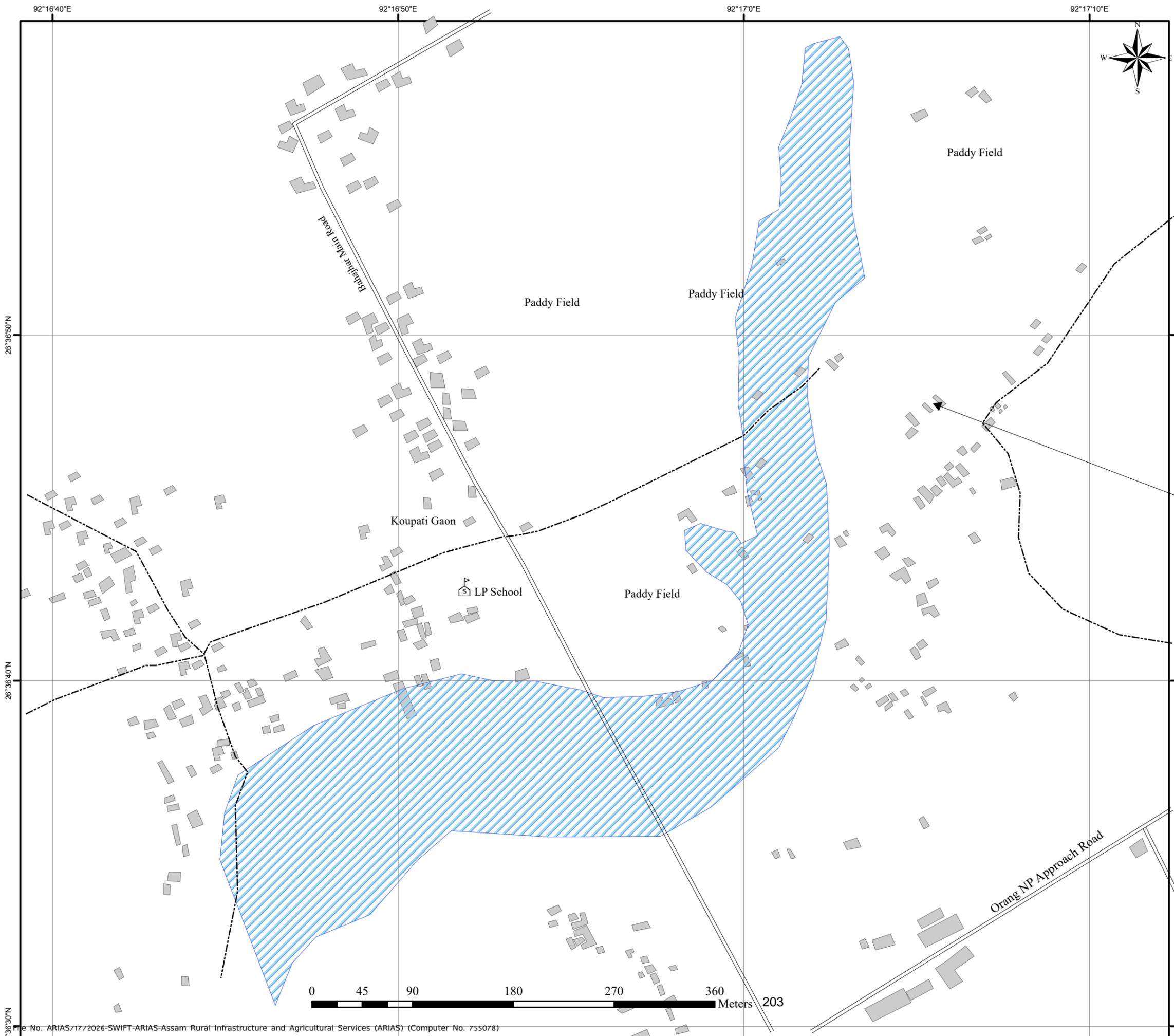
Inlet Channel

Outlet Channel



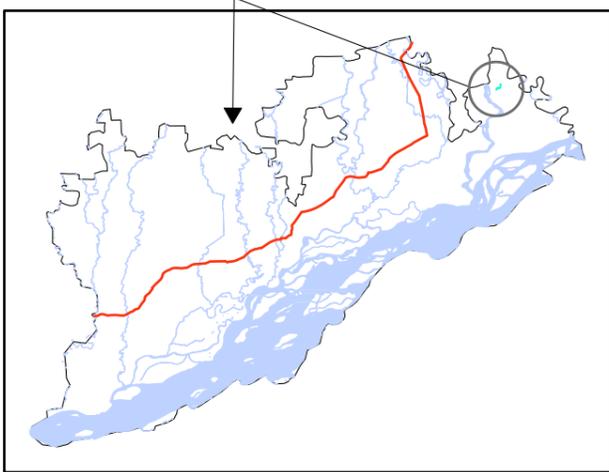
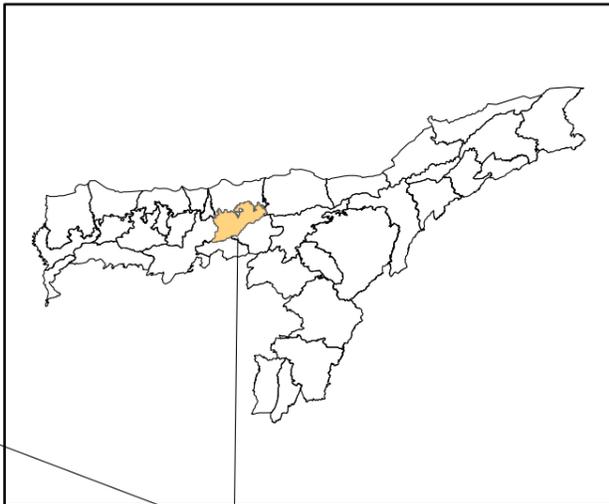
Legend

- Outlet
- Inlet
- Flow Direction
- Elevation in m From MSL
- 70 - 73.95
- 73.96 - 76
- 76.01 - 77.98
- 77.99 - 79.95
- 79.96 - 82
- 82.01 - 88
- Beel Boundary (11.17 ha)
- Catchment Area (785.34 ha)



HOUSEHOLD BENEFICIARY MAP OF KOUPATI GAON BEEL, DARRANG

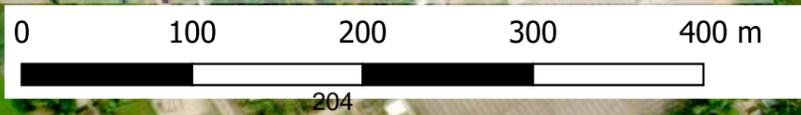
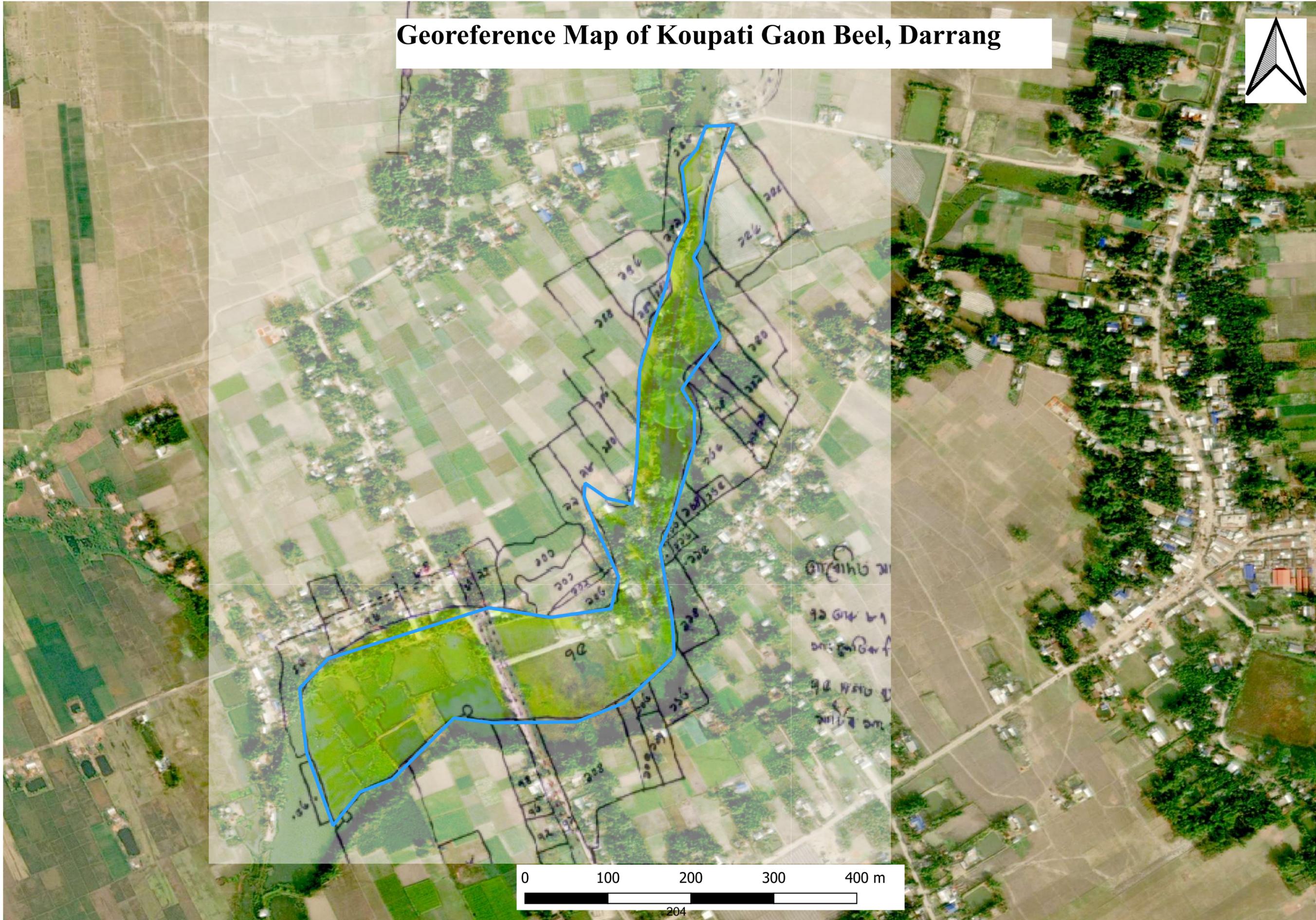
This map shows Koupati Beel and all surrounding households, illustrating 150 active fishing families, 250-270 dependent neighbouring families, and approximately 1,000 indirectly benefiting neighbouring households whose livelihoods and food security are closely linked to the Beel

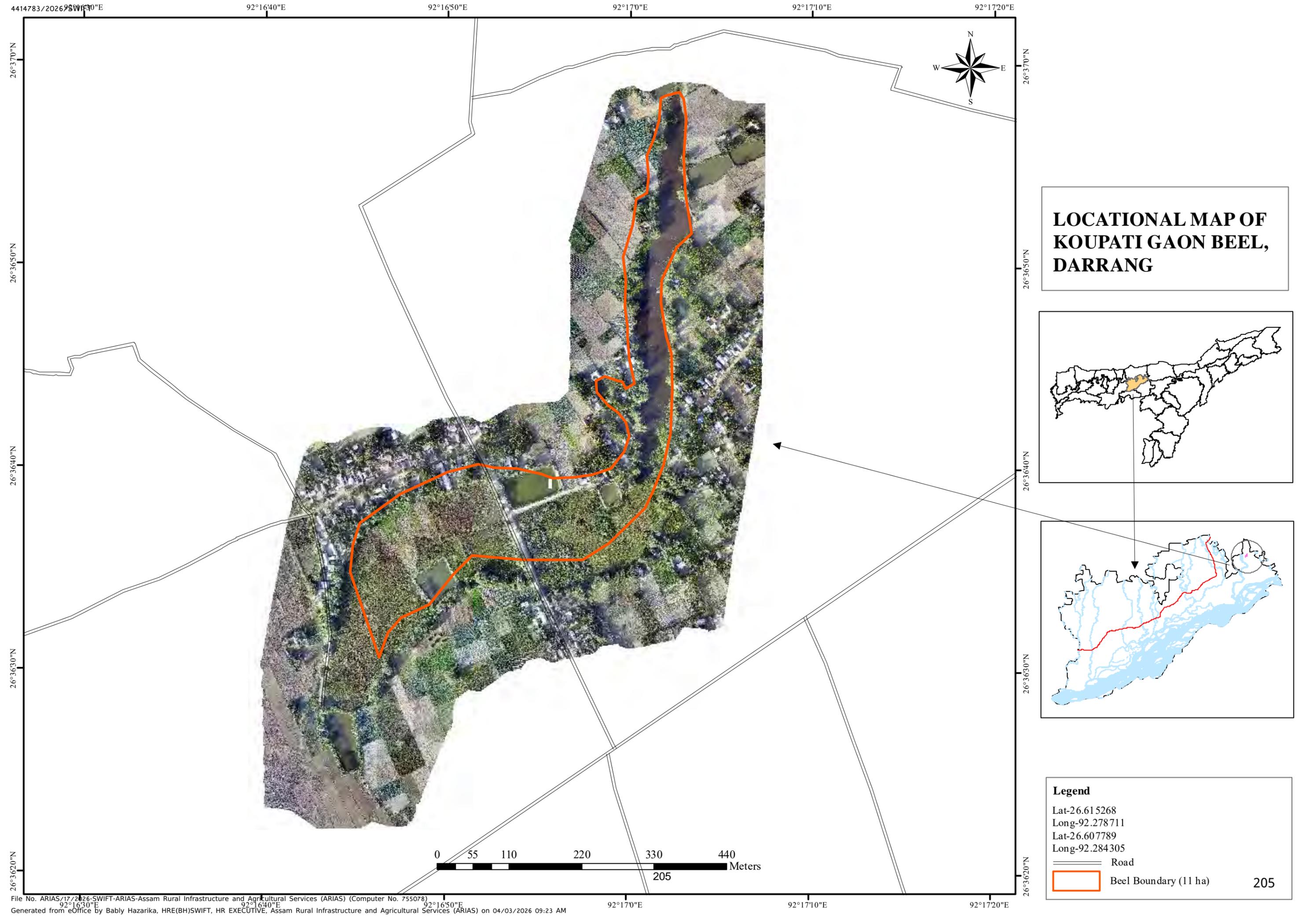


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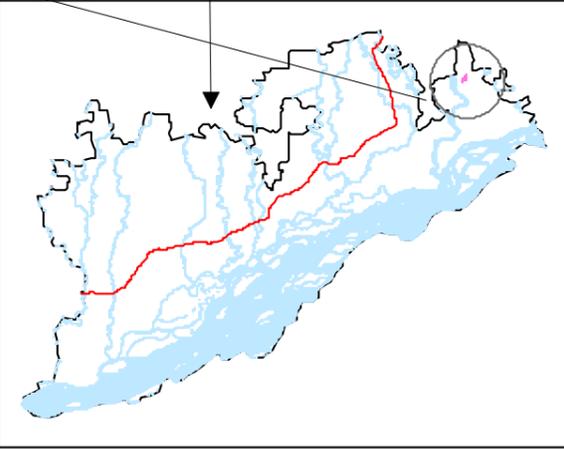
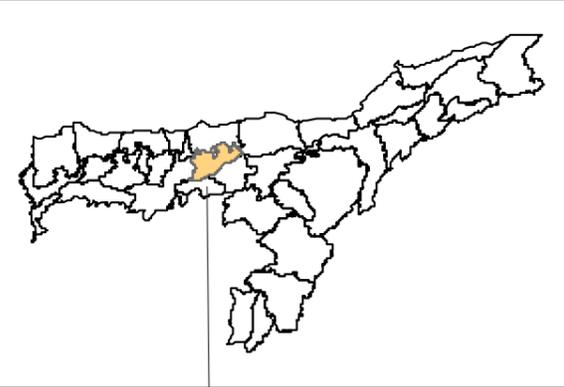
- School
- Unpaved Road
- Paved Road
- Household
- Beel Boundary (10.17 ha)

Georeference Map of Koupati Gaon Beel, Darrang





**LOCATIONAL MAP OF
KOUPATI GAON BEEL,
DARRANG**



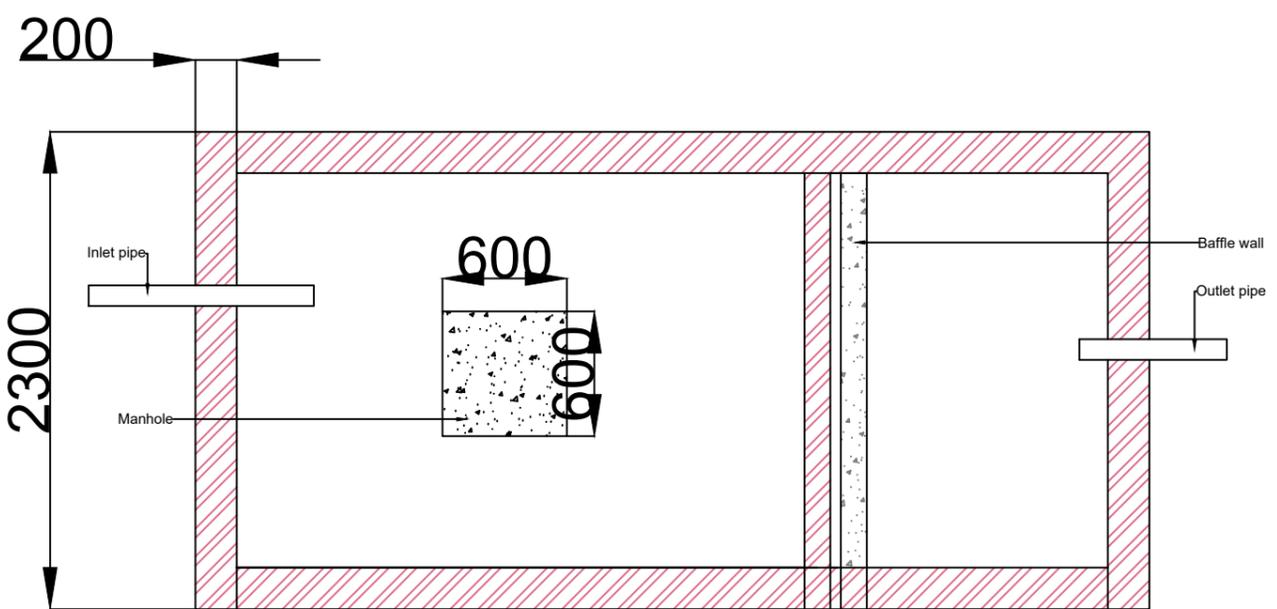
Legend

Lat-26.615268
Long-92.278711
Lat-26.607789
Long-92.284305

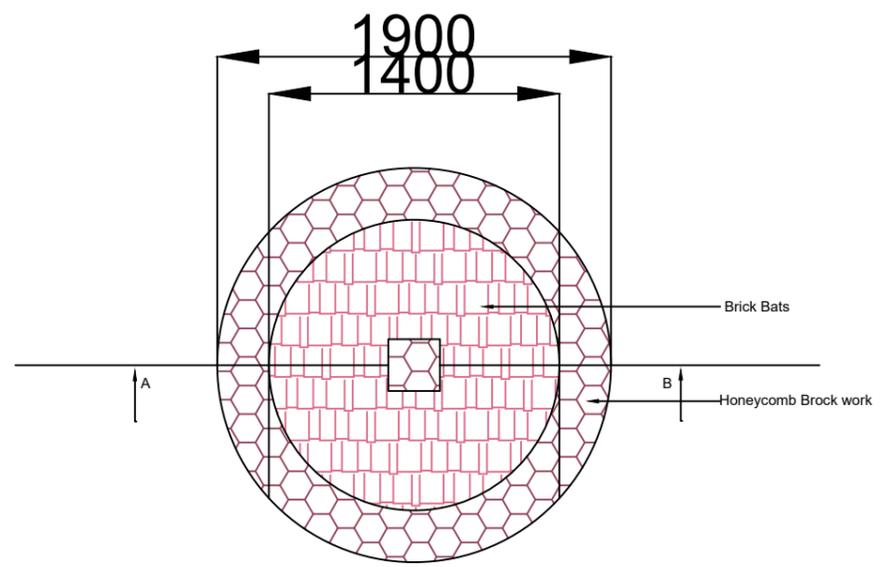
==== Road

□ Beel Boundary (11 ha)

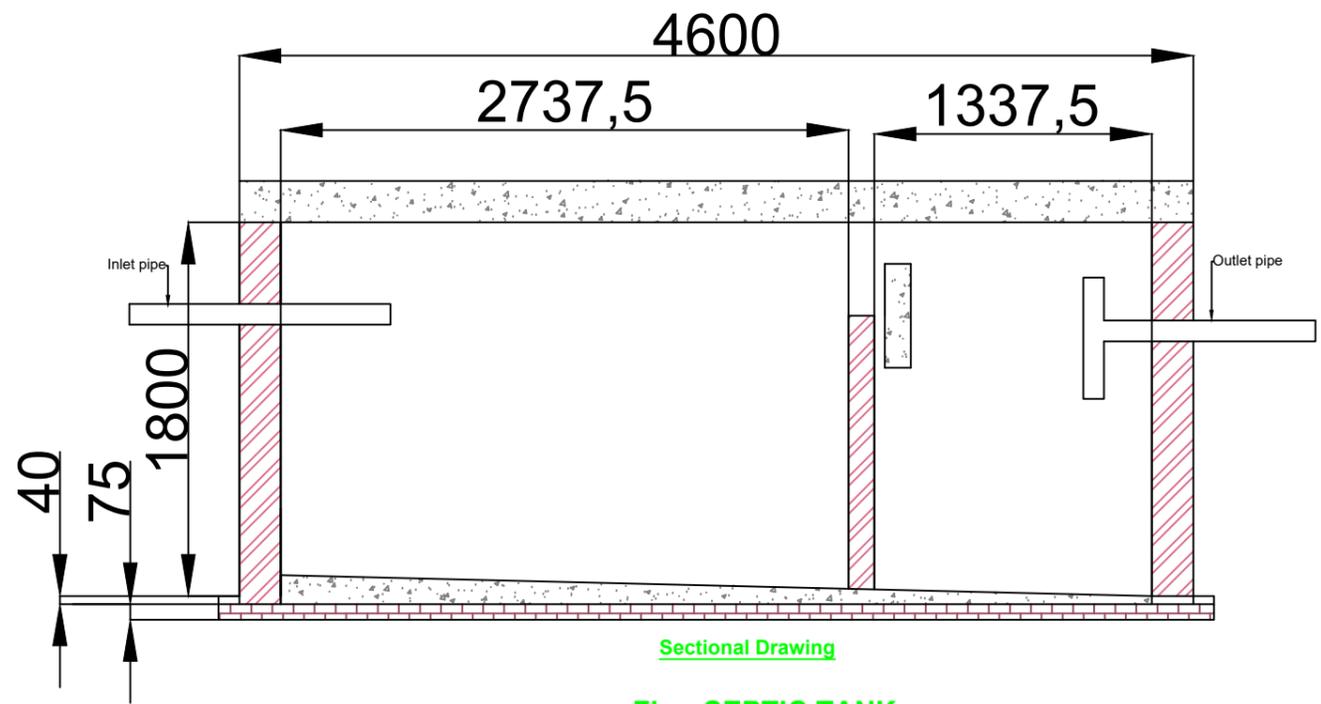
205



Plan Drawing

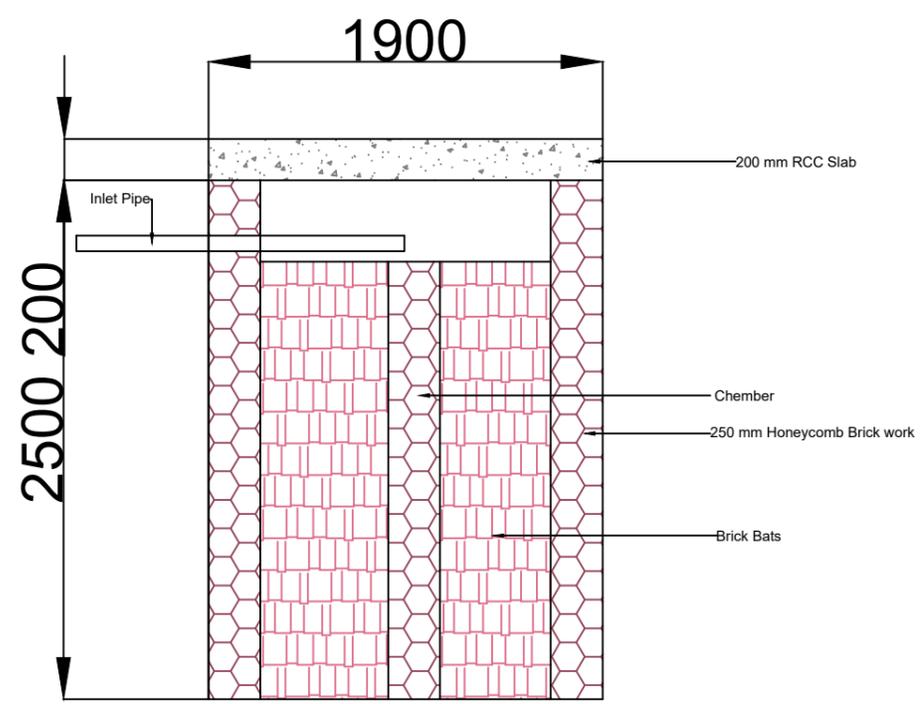


Plan Drawing



Sectional Drawing

Fig:- SEPTIC TANK



Sectional Drawing

Fig:- SOAK PIT

KEY PLAN

REFERENCE DRAWING

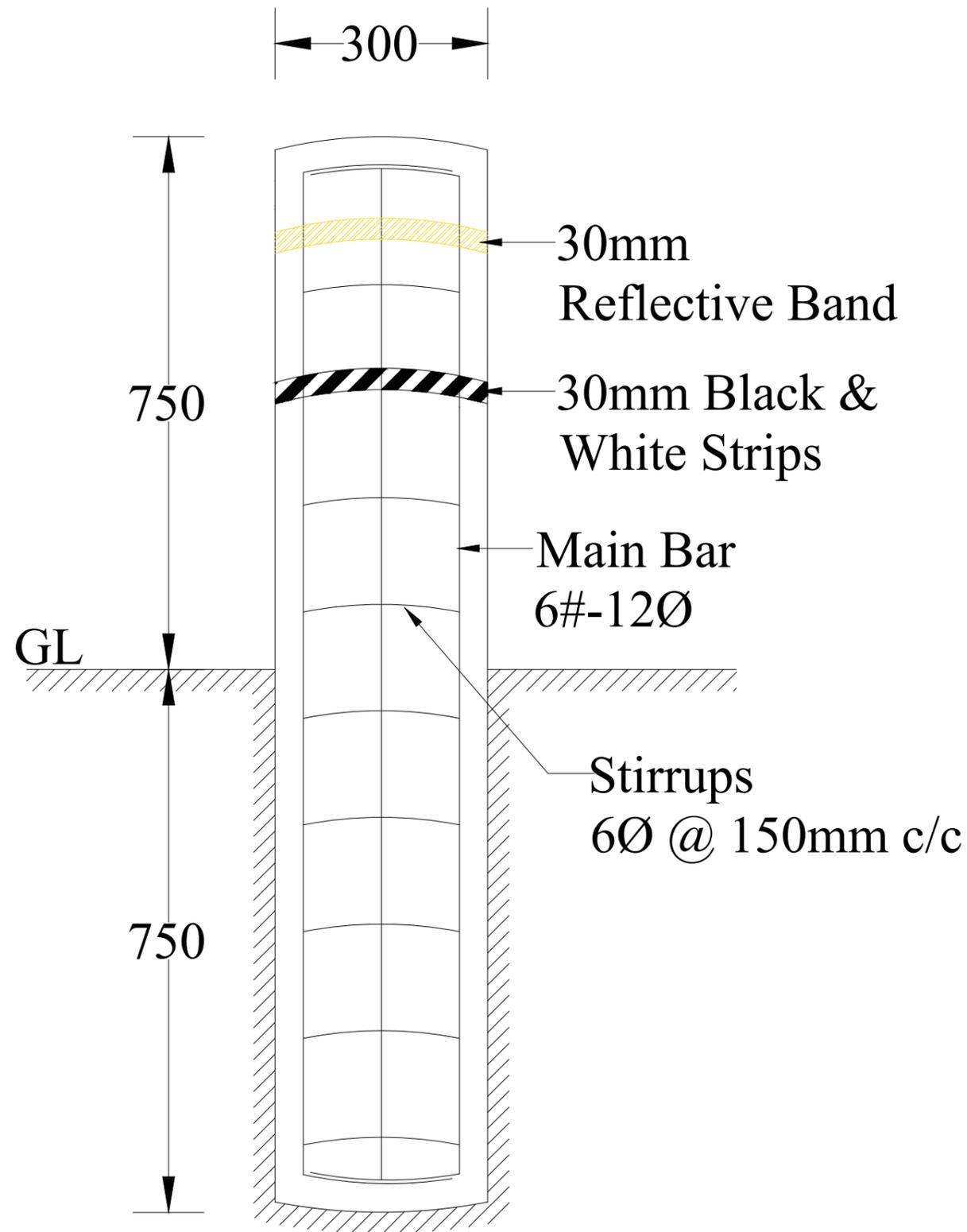
NO	DRAWING NO.	DESCRIPTION

GENERAL NOTES

- ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

LEGEND

PROJECT	SWIFT DPR	CLIENT	ARIAS
DRAWING TITLE	COMMUNITY HALL SEPTIC TANK AND SOAK PIT		
DRAWING NUMBER	11	SCALE	A3
DATE	08.08.2025	INITIAL USE	REV. ANU. ARJ.
DESIGNED		CHECKED	
APPROVED			
SUMATO GLOBALTECH PVT LTD		AVATAR COMPLEX, NAHARANI PATH, DISPUR, GUWAHATI, ASSAM	
Architects & Consultant			



KEY PLAN

REFERENCE DRAWING

NO	DRAWING NO.	DESCRIPTION

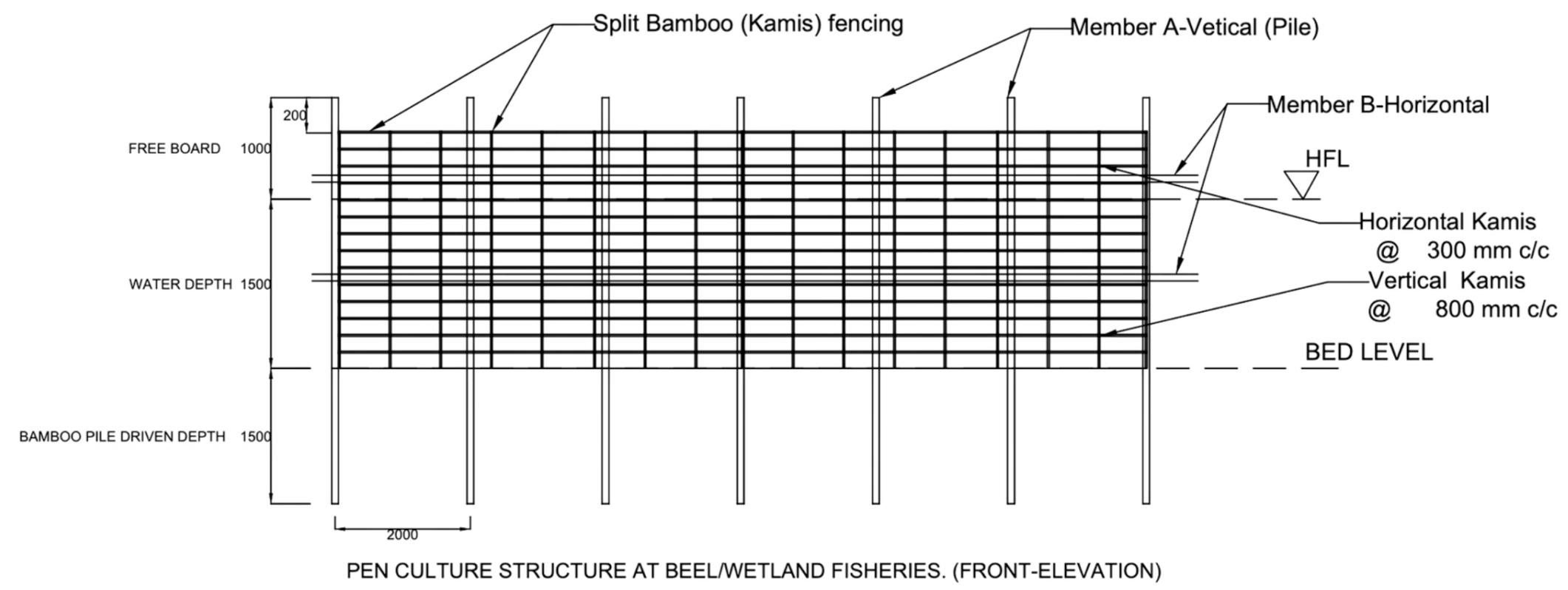
GENERAL NOTES

1. ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

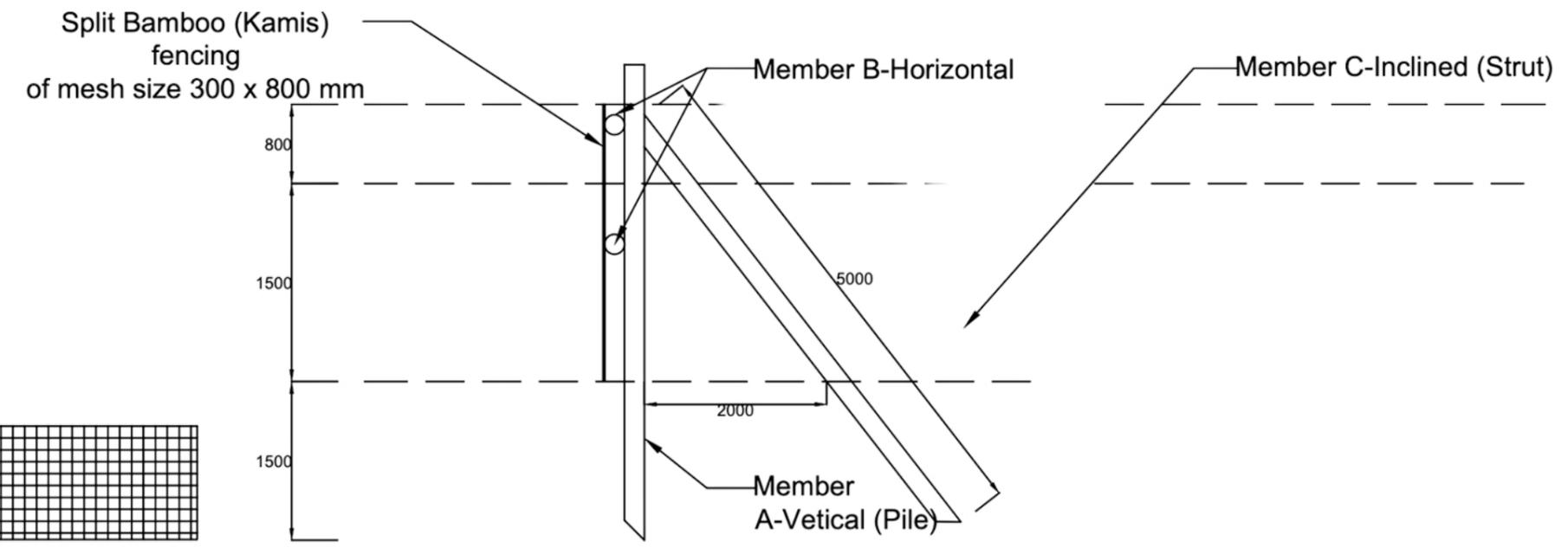
LEGEND

NO	DATE	DESCRIPTION	DRAWN	CHECKED	APPROVED

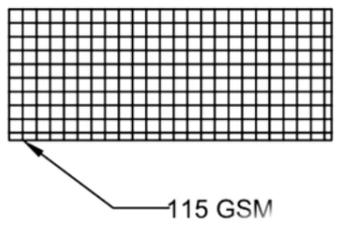
PROJECT SWIFT DPR		CLIENT ARIAS	
DRAWING TITLE COMMUNITY HALL		1:1	AS PERMITTED
SUMATO GLOBALTECH PVT LTD Architects & Consultant		AVATAR COMPLEX KAMARUPA P.O., DISPUR GUWAHATI-781008	



PEN CULTURE STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



URE STRUCTURE AT BEEL/WETLAND



KEY PLAN

REFERENCE DRAWING

NO.	DRAWING NO.	DESCRIPTION

GENERAL NOTES

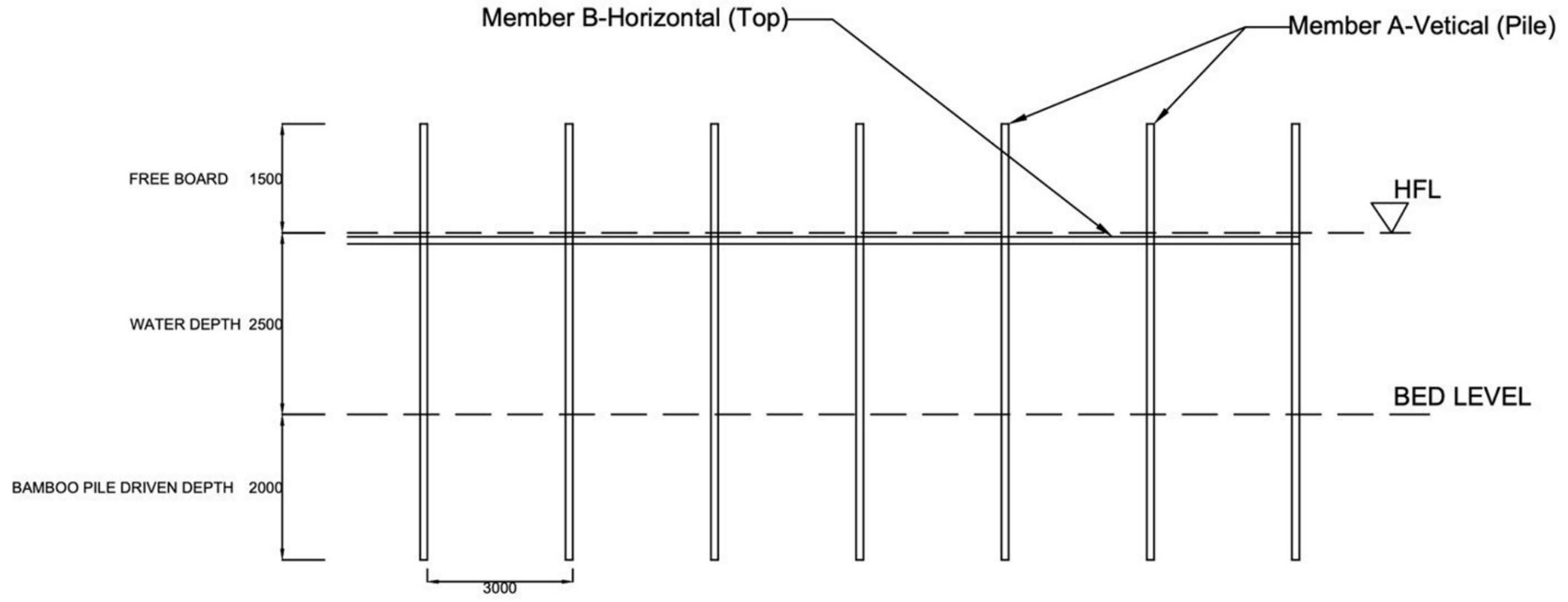
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LEGEND

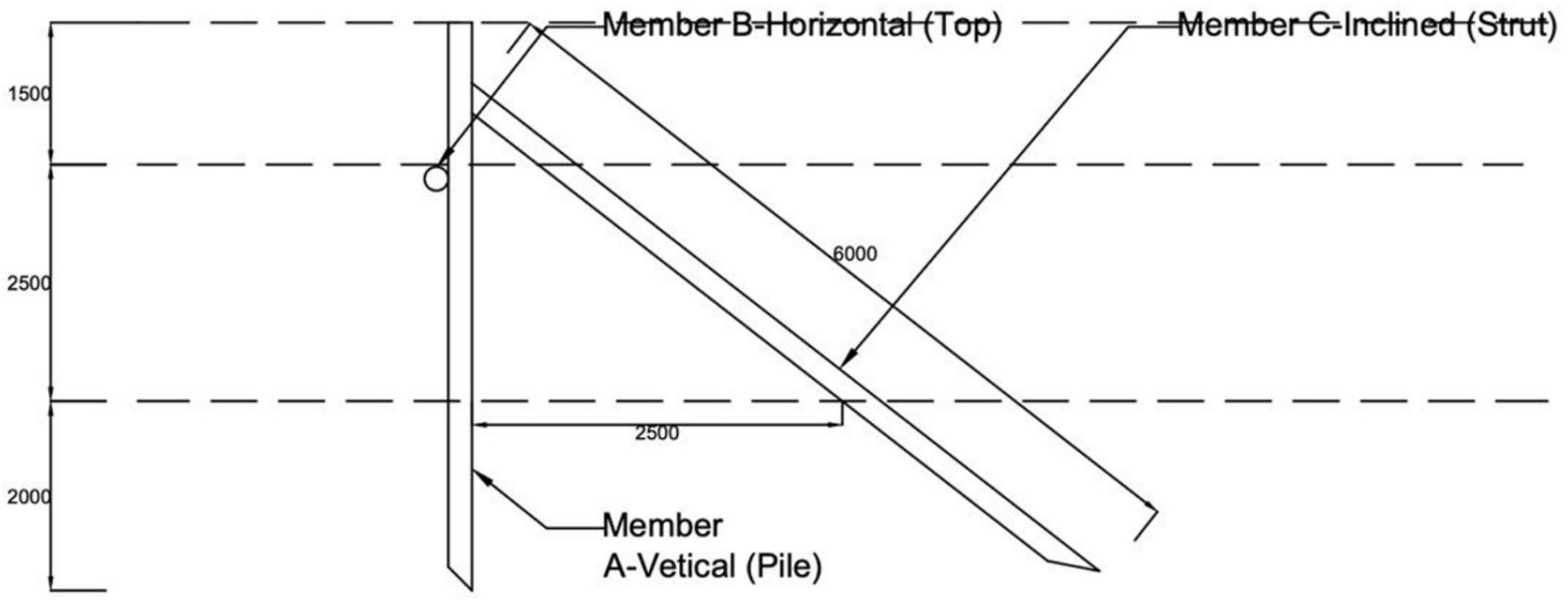
PROJECT	SWIFT DPR	CLIENT	ARIAS
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DRAWING TITLE	PEN CULTURE
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SUMATO GLOBAL TECH PVT LTD	Architects & Consultant
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KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (FRONT-ELEVATION)



KATAL/CATTLE FISHING STRUCTURE AT BEEL/WETLAND FISHERIES. (SIDE-ELEVATION)

KEY PLAN

REFERENCE DRAWING

NO	DRAWING NO.	DESCRIPTION

GENERAL NOTES

1. ALL DIMENSION ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.

LEGEND

PROJECT	SWIFT DPR	CLIENT	ARIAS
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DRAWING TITLE	KATAL FISHING
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SUMATO GLOBAL TECH PVT LTD	AVATAR COMPLEX, HAZARIKA PATH, DISPUR GUWAHATI-781005
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Architects & Consultant

