

Supplementary Material

Length-Weight Relationship and Reproductive Biology of the Indian River Shad, *Gudusia chapra* (Hamilton, 1822) from Central Brahmaputra Valley of Assam, North-East India

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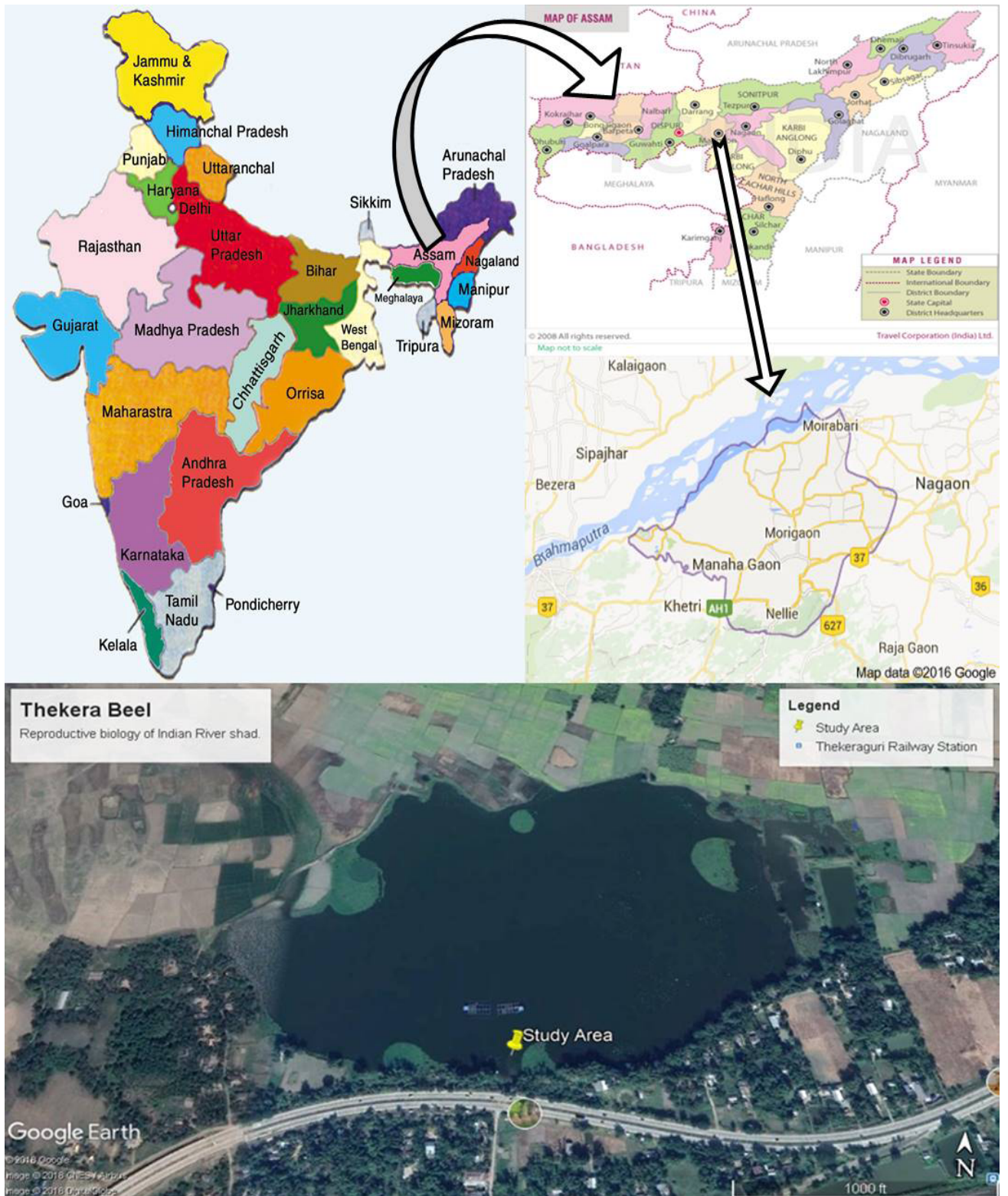
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Supplementary Table SI.- Month-wise gonadosomatic index of male *Gudusia chapra* during the experimental period.

Month	No. of fish examined	Standard length (cm)	Body weight (g)	Testis		Mean GSI
				Mean length (cm)	Mean weight (g)	
August 2017	8	7.0-11.4	6.2-21.90	3.28±0.02 (2.91-3.50)	0.77±0.12 (0.54-1.22)	6.03±0.60 (5.48-8.97)
September	9	6.9-10.5	6.1-16.80	3.15±0.06 (2.90-3.41)	0.57±0.08 (0.29-1.1)	5.20±0.37 (3.01-6.77)
October	15	6.3-11.1	6.21-18.25	3.03±0.07 (2.70-3.40)	0.53±0.48 (0.21-1.18)	4.26±0.42 (2.56-7.17)
November	10	6.5-9.1	6.55-20.72	3.00±0.07 (2.60-3.30)	0.37±0.11 (0.09-1.07)	3.13±0.364 (1.26-7.55)
December	13	6.5-10.8	6.09-17.89	3.04±0.07 (2.72-3.41)	0.14±0.03 (0.01-0.26)	1.24±0.21 (0.11-2.40)
January 2018	12	7.0-11.7	7.08-22.79	3.05±0.08 (2.62-3.40)	0.14±0.03 (0.04-0.41)	1.07±0.15 (0.39-2.41)
February	13	6.9-10.5	6.02-16.96	3.05±0.07 (2.60-3.41)	0.16±0.02 (0.08-0.34)	1.49±0.08 (0.99-2.0)
March	13	7-10.4	6.09-17.31	3.14±0.02 (2.70-3.52)	0.28±0.06 (0.11-.76)	2.53±0.27 (1.27-4.39)
April	27	6.5-12.3	6.1-25.34	3.24±0.05 (2.60-3.60)	0.68±0.05 (0.15-1.07)	5.06±0.27 (2.09-7.81)
May	17	7.3-11.4	7.4-25.48	3.10±0.04 (2.90-3.54)	0.58±0.07 (0.15-1.19)	4.03±0.24 (2.02-5.75)
June	12	6.2-11.4	6.2-31.10	3.06±0.08 (2.62-3.51)	0.35±0.05 (0.18-0.58)	2.49±0.22 (0.73-3.94)
July	12	8.2-12.7	6.18-19.02	3.19±0.08 (2.61-3.60)	0.63±0.07 (0.28-1.06)	4.7673±0.28 (2.84-6.11)

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Supplementary Fig. S1. Map and satellite view of sampling site; Thekera *beel*, Morigaon district, Central Brahmaputra Valley of Assam, North-East India.

Supplementary Table SII.- Month-wise gonadosomatic index of female *Gudusia chapra* during the experimental period.

Month	Sample examined	Total length (cm)	Body weight (g)	Ovary		Mean GSI
				Mean length (cm)	Mean weight (g)	
August 2017	15	6.9-13.3	6.76-36.91	3.27±0.08 (2.61-3.60)	1.35±0.12 (0.6-2.13)	8.13±0.65 (3.92-13.58)
September	19	7-12.7	7.11-31.11	3.01±0.07 (2.50-3.51)	0.76±0.11 (0.29-2.01)	5.77±0.43 (2.87-10.81)
October	21	7.4-14.7	6.95-38.19	3.21±0.08 (2.51-3.72)	0.88±0.14 (0.14-2.29)	4.75±0.52 (1.67-8.73)
November	17	7.2-11.2	7.53-20.07	3.14±0.09 (2.40-3.80)	0.62±0.09 (0.18±1.60)	4.47±0.40 (2.36-7.97)
December	33	6.0-12.7	5.06-28.90	3.07±0.06 (2.41-3.50)	0.21±0.02 (0.16-0.90)	1.81±0.18 (0.63-9.30)
January 2018	25	6.5-12.5	6.4-29.42	2.93±0.06 (2.50-3.50)	0.22±0.03 (0.15-0.78)	1.64±0.16 (0.60-3.13)
February	22	7.1-11.1	6.32-19.50	3.09±0.08 (2.21-3.80)	0.28±0.03 (0.16-0.64)	2.31±0.15 (0.74-3.69)
March	26	7-10.9	6.14-18.94	3.06±0.08 (2.30-4.10)	0.46±0.07 (0.13-1.74)	3.61±0.34 (1.53-6.94)
April	34	6.7-12.4	7.03-27.39	3.18±0.05 (2.60-3.60)	0.91±0.07 (0.32-1.95)	5.98±0.31 (3.65-9.82)
May	34	7.6-13.1	8.02-32.40	3.24±0.04 (2.81-3.60)	0.78±0.06 (0.31-1.38)	4.72±0.19 (3.12-7.11)
June	25	6-12	5.01-25.70	3.06±0.06 (2.41-3.50)	0.43±0.05 (0.19-1.22)	3.77±0.19 (2.17-6.35)
July	27	6.9-11.6	6.21-24.12	3.15±0.04 (2.71-3.50)	0.71±0.69 (0.25-1.36)	5.05±.21 (2.90-7.19)