

## **ESTIMATION OF SEDIMENT DEPOSITS OF ITHIKKARA RIVER**

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## ACKNOWLEDGEMENT

The project team is grateful to the Revenue Department, Government of Kerala for entrusting this challenging job. This project was taken up at the behest of Dr. Nivedita P. Haran, Addl. Chief Secretary, Government of Kerala, who took keen personal interest in initiating this project and facilitating its execution. Dr. Valsalakumari, former Principal Secretary, Department of Revenue nurtured the project with equal zest. Mr. T. J Mathew, Secretary, Revenue and Disaster Management Department took special interest for smooth execution of this project and extended all necessary support.

We are grateful to the District Collector, Kollam for sanctioning this project and timely release of funds.

We take this opportunity to thank Mr. Sajith Babu, Assistant Commissioner (LA) and Mr. K Madhusoodanan, Coordinator, River Management Cell for their involvement and smoothening the functioning of this project from Government side. All other officers of Revenue Department and those involved in handling river management fund both at the State level and at Thiruvananthapuram district are also thanked.

We place on record our appreciation and thanks to the present and former members of the High Level Committee, River Management Fund (RMF) for being instrumental to initiate this project.

We gratefully acknowledge the support and facilities extended by Dr. N P Kurian, Director, Centre for Earth Science Studies to execute this project. We thank Dr. K.V Thomas, Head, Marine Sciences Division and Dr. T.S. Shahul Hameed, Scientist, Marine Sciences Division for providing the survey instruments. Other staff members of CESS are also thanked for extending various organisational and administrative supports.



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TABLE 1: ESTIMATION OF SEDIMENT DEPOSITS: ITHIKKARA RIVER

Panchayat	Right bank length (km)	Left bank length (km)	No. of profiles	Volume of sand in each profile (m <sup>3</sup> )	Volume of sand above summer water level in each profile (m <sup>3</sup> )	Volume of sand above summer water level for the Panchayats (m <sup>3</sup> )	Total volume of sand for the Panchayats (m <sup>3</sup> )	Cumulative volume of sand (m <sup>3</sup> )
Ittiva	6.3	6.0	1	5904.21	5904.21	6321.36	13506.38	13506.38
			2	-	-			
			3	-	-			
			4	806.49	417.15			
			5	-	-			
			6	1849.52	-			
			7	-	-			
			8	335.34	-			
			9	680.84	-			
			10	3929.93	-			
Chadayamangalam	4.7	5.0	11	3790.59	-	1423.42	26085.75	39592.13
			12	5498.32	1285.89			
			13	624.90	-			
			14	1017.73	137.53			
			15	6370.04	-			
			16	2777.23	-			
			17	2026.29	-			
			18	3980.65	-			
Elamadu	4.2	4.0	19	-	-	2107.49	4214.98	43807.11
			20	4214.98	2107.49			
			21	-	-			
			22	-	-			
Velinalloor	3.6	4.0	23	2057.60	-	-	15678.37	59485.48
			24	1365.93	-			
			25	2044.15	-			
			26	6830.90	-			
			27	2113.65	-			
			28	-	-			
			29	1266.00	-			
			30	-	-			

Contd....

Panchayat	Right bank length (km)	Left bank length (km)	No. of profiles	Volume of sand (m <sup>3</sup> )	Volume of sand above summer water level (m <sup>3</sup> )	Volume of sand above summer water level for the Panchayat (m <sup>3</sup> )	Total volume of sand for the Panchayat (m <sup>3</sup> )	Cumulative volume of sand (m <sup>3</sup> )
Velinalloor/ Chadayamangalam	1.2	1.0	31	328.90	-	-	16007.27	59814.38
Velinalloor - Pallikkal	6.7	7.0	32	1315.56	94.94			
			33	4609.28	3509.15			
			34	1204.24				
			35	9013.62	4838.48			
			36	681.50	-			
			37	-	-			
			38	3942.60	-			
			39	6037.08	1290.68			
			40	1877.09	-	9833.25	30365.41	91495.35
Velinalloor - Kalluvathukkal	2.3	2.0	41	22414.26	22193.43			
			42	6926.94	5779.05			
			43	846.11	-	27972.48	30187.31	121682.66
Pooyapally - Kalluvathukkal	4.4	4.0	44	3571.02	-			
			45	3730.47	-			
			46	1237.45	-			
			47	2544.20	-			
			48	-	-			
			49	2272.78	-	-	13355.92	135038.58
Adichanalloor - Kalluvathukkal	0.8	1.0	50	-	-	-	135038.58	
Adichanalloor Chathannor	7.5	8.0	51	1194.09	-	-	1194.09	136232.67
<b>Total Length</b>	<b>41.6</b>	<b>42.0</b>	<b>-</b>	<b>-</b>	<b>47658.00</b>	<b>47658.00</b>	<b>-</b>	<b>136232.67</b>

TABLE 2: LIST OF KADAVUS IN EACH PANCHAYAT: ITHIKKARA RIVER

Sl. No.	Panchayat(s)	No. of kadavus	Total volume of sand (m <sup>3</sup> )	Volume of sand above summer water level (m <sup>3</sup> )
1	Chadayamangalam	7	26085.75	1423.42
2	Elamadu	5	4214.98	2107.49
3	Velinalloor	10	16007.27	-
4	Velinalloor-Pallickal	2	31680.97	9833.25
5	Velinalloor - Kalluvathukkal	1	30187.31	27972.48
6	Pooyappally- Kalluvathukkal	3	13355.92	-
7	Adichanalloor-Chathannoor	2	1194.09	-
	<b>Total</b>	<b>30</b>	<b>122726.30</b>	<b>41336.64</b>



# ESTIMATION OF SEDIMENT DEPOSITS : INDEX MAP

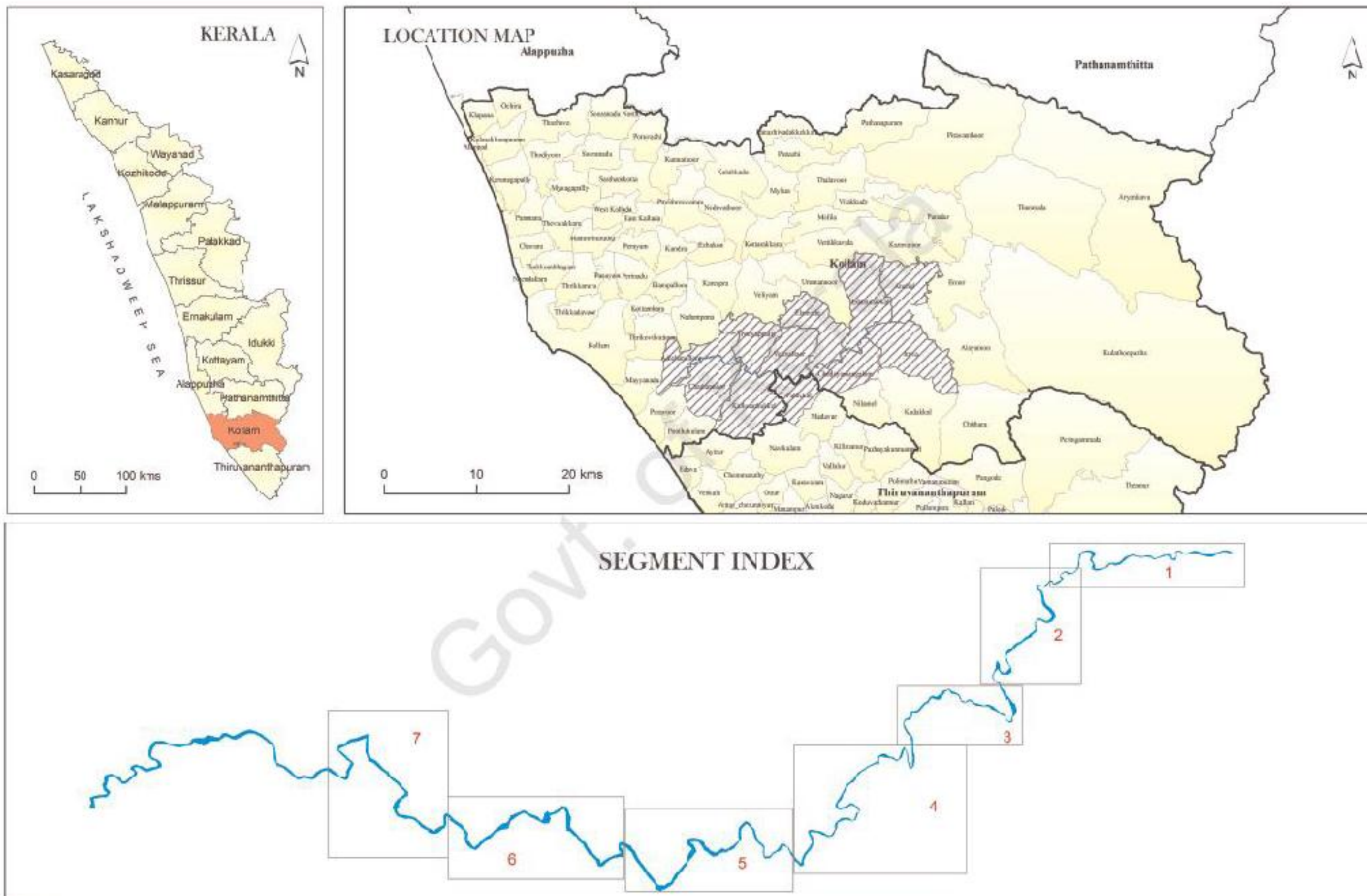


PLATE :

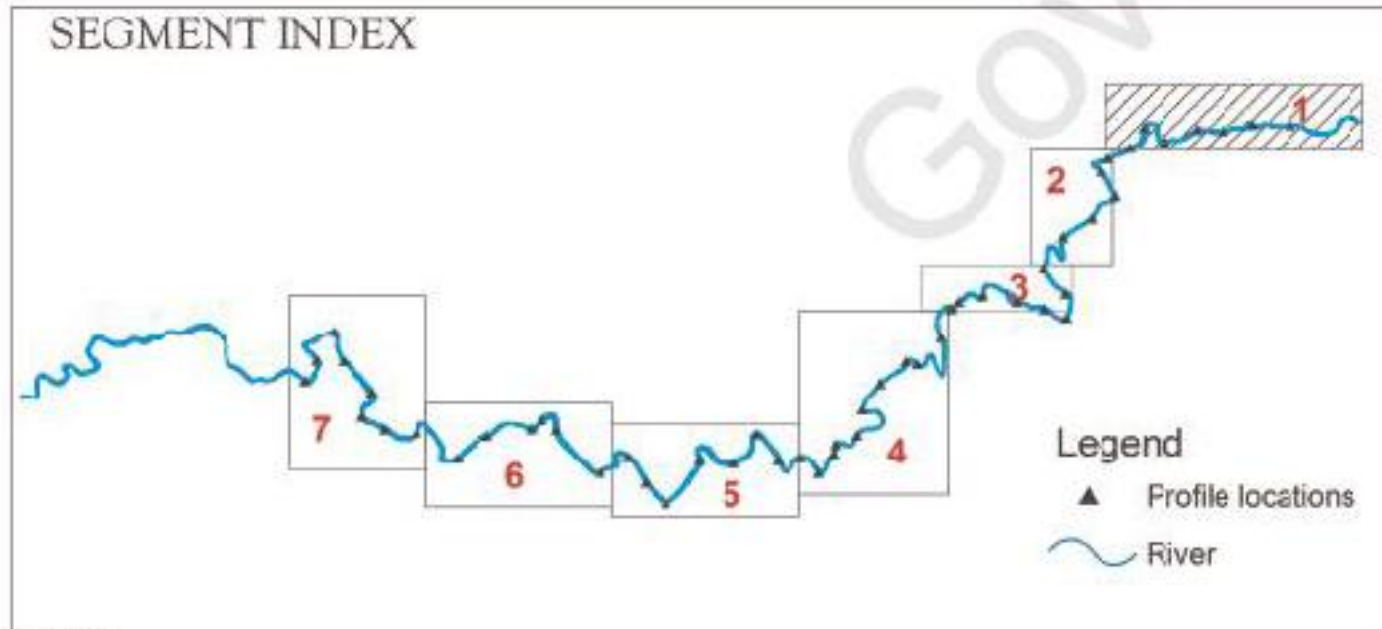
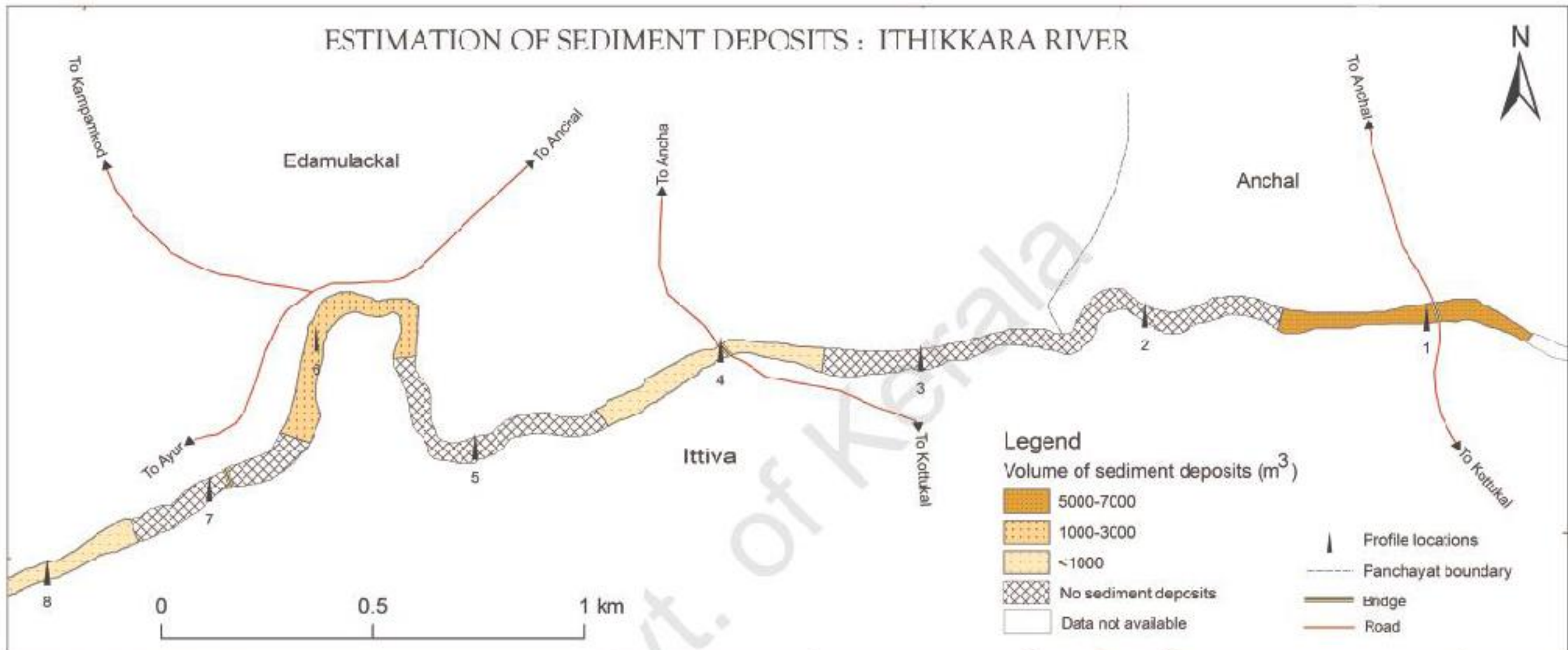
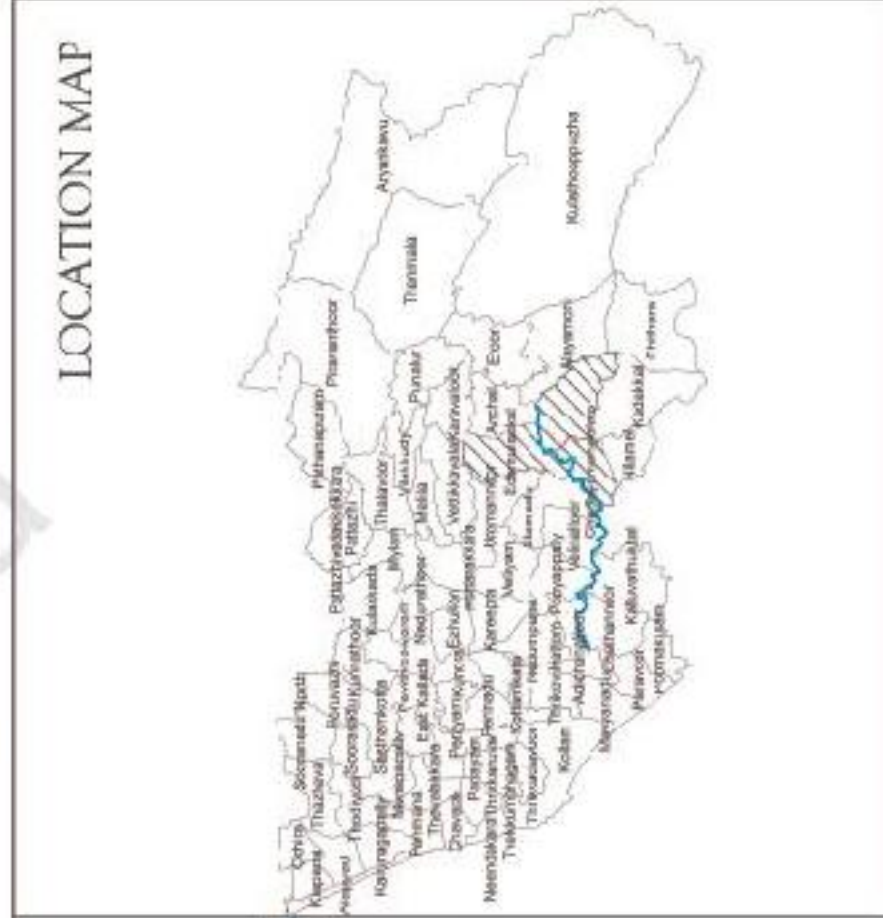
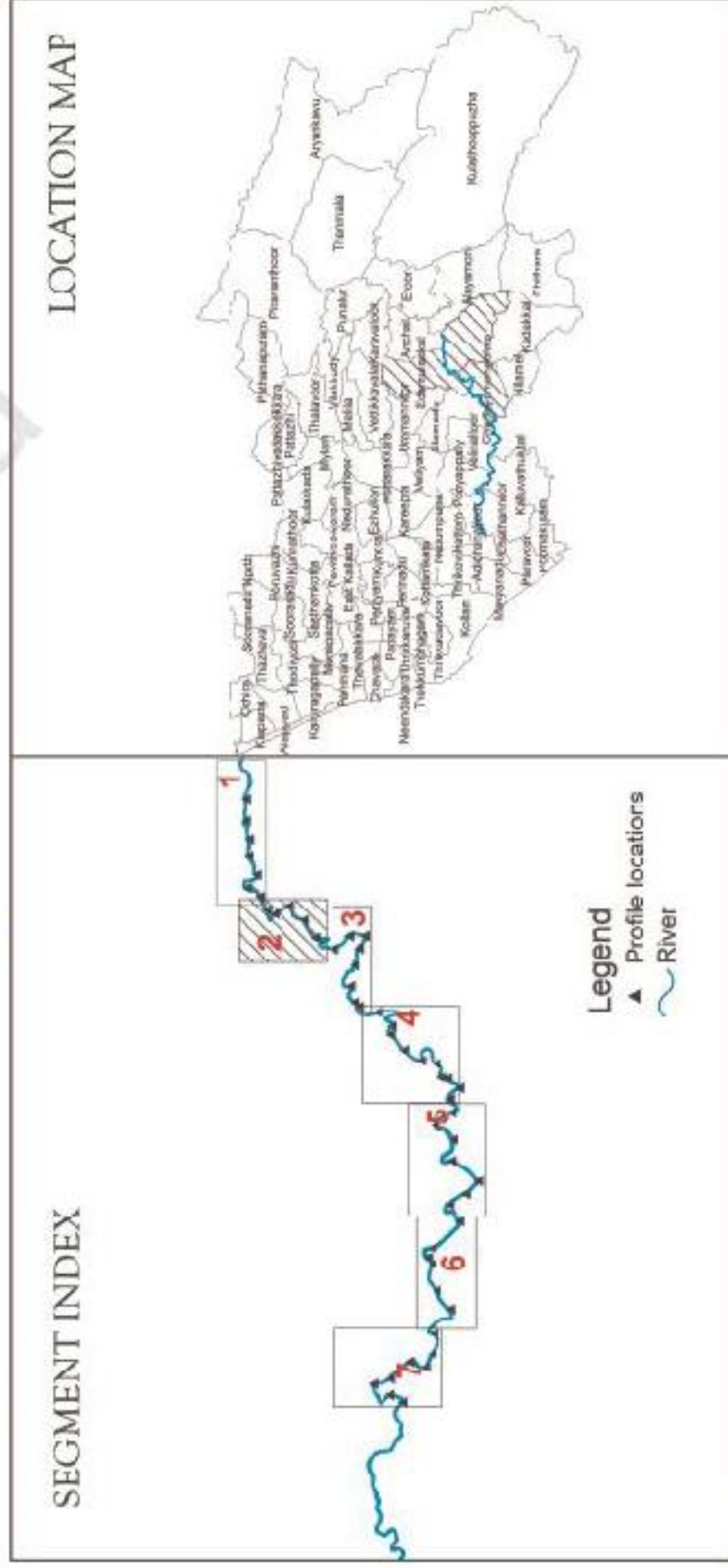
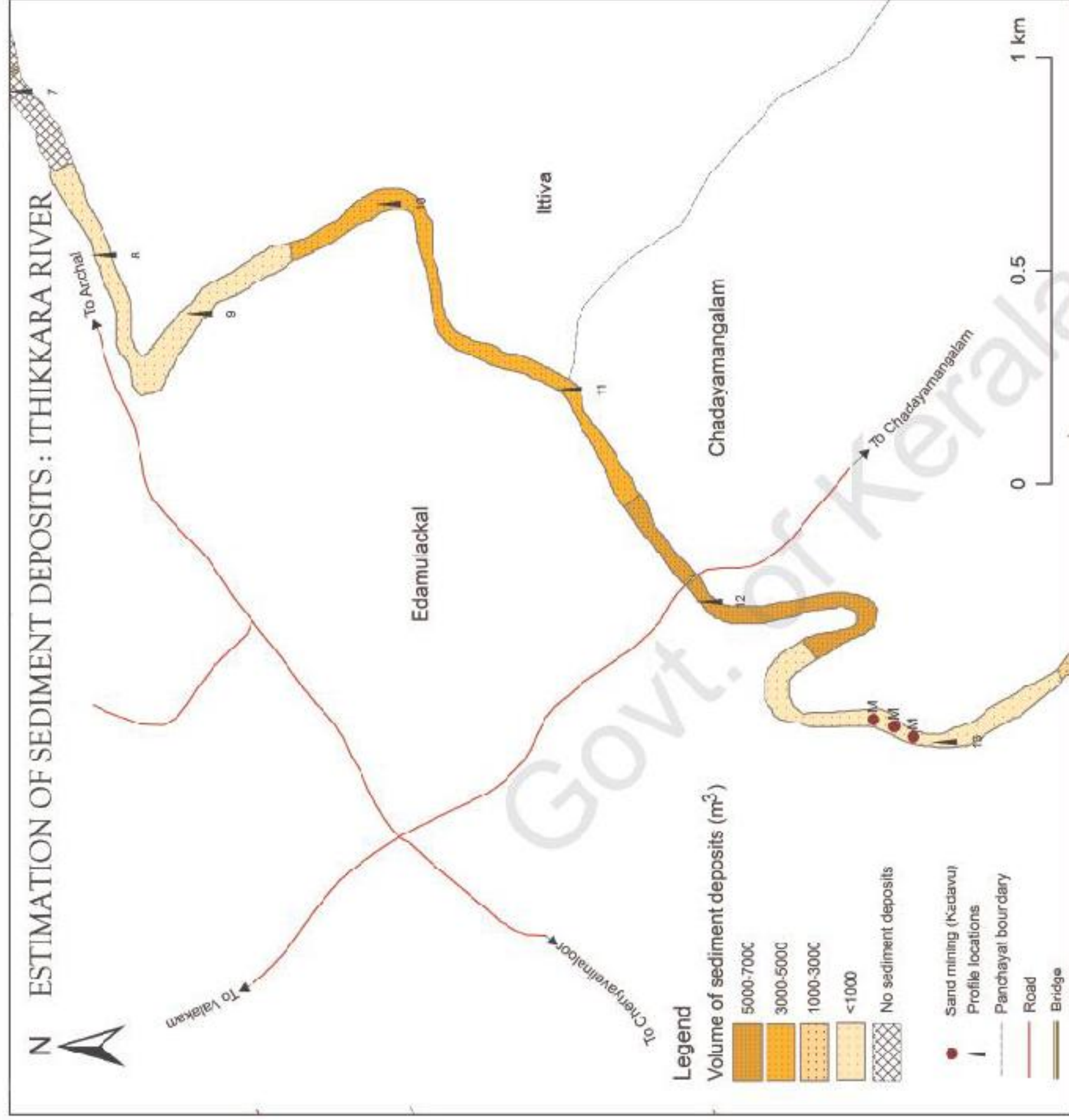


PLATE 2

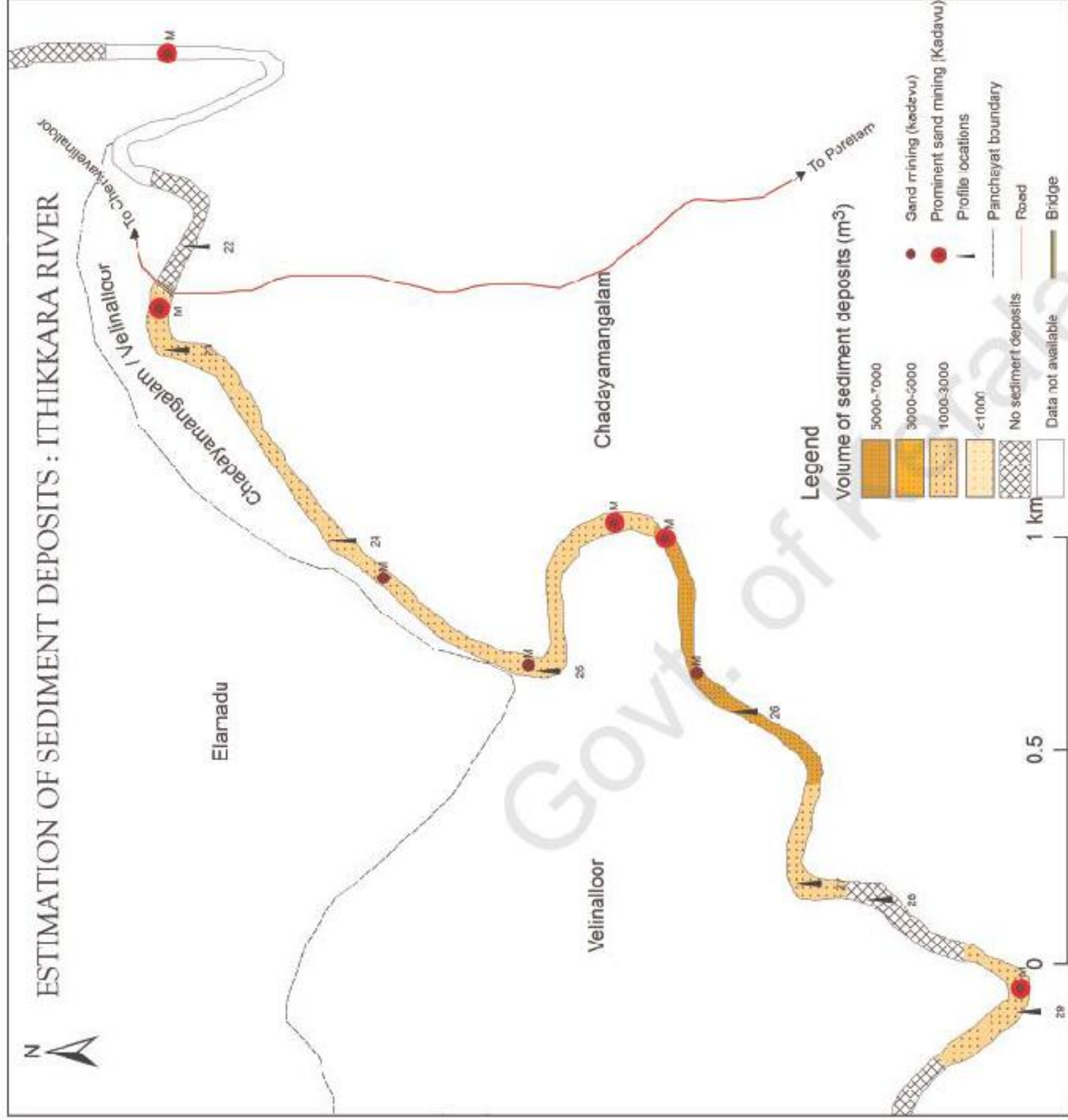








# ESTIMATION OF SEDIMENT DEPOSITS : ITHIKKARA RIVER



## SEGMENT INDEX



## LOCATION MAP



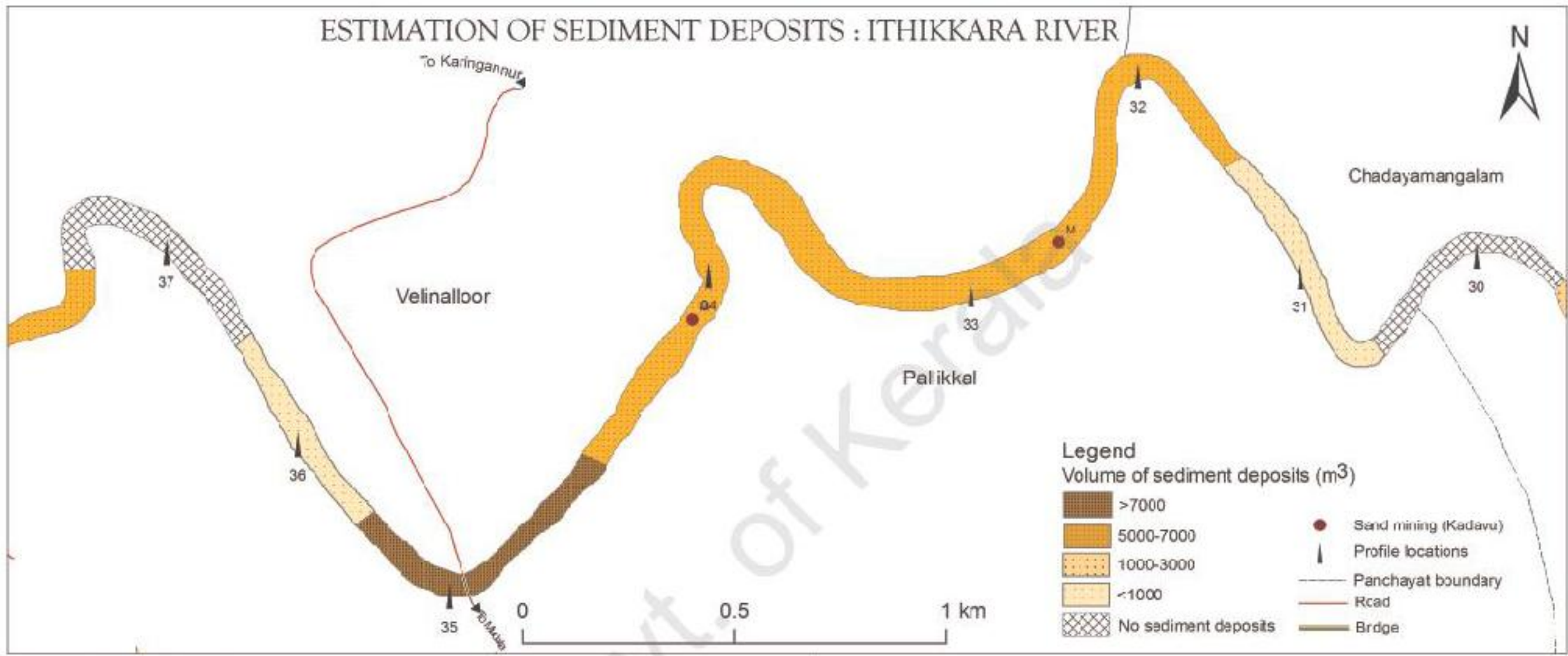


PLATE 6



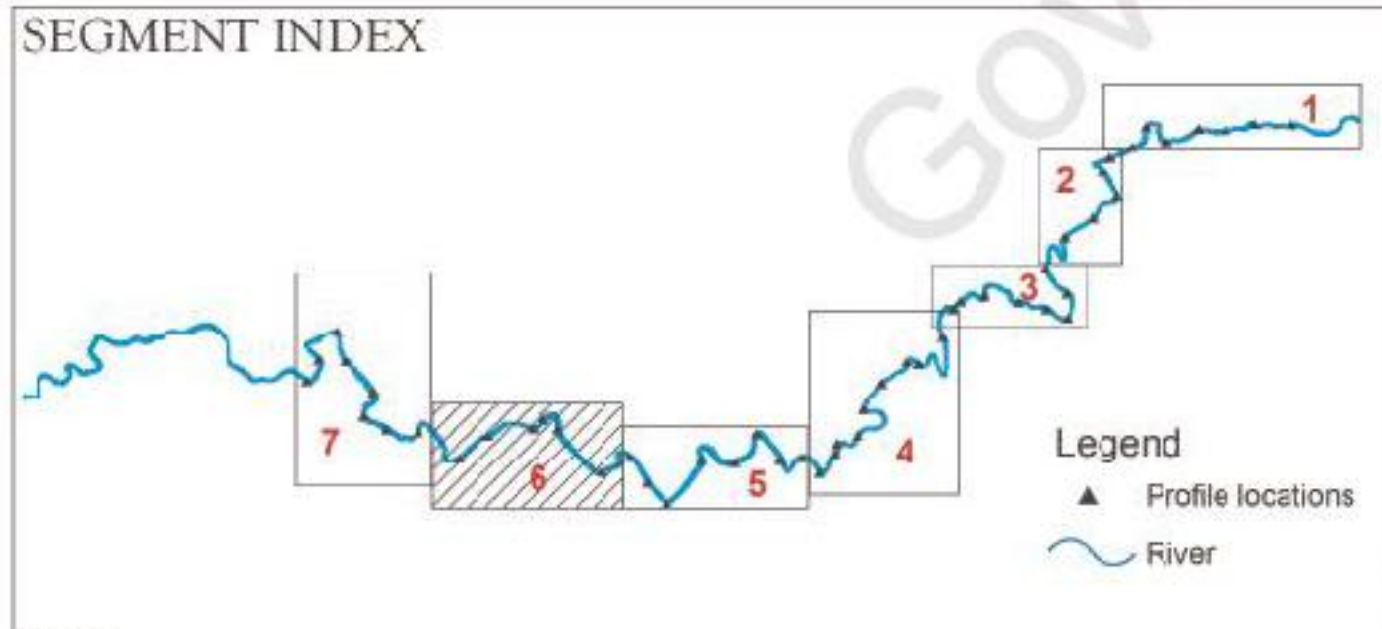
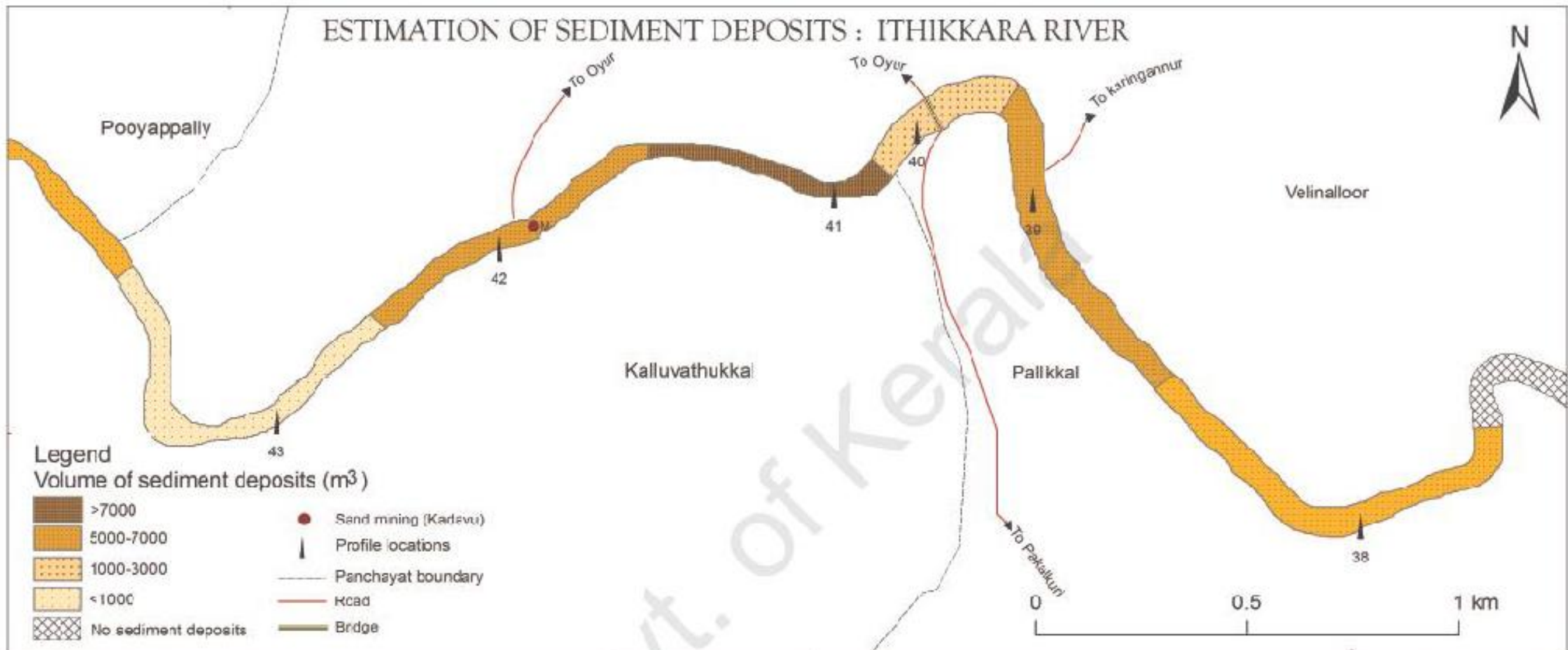
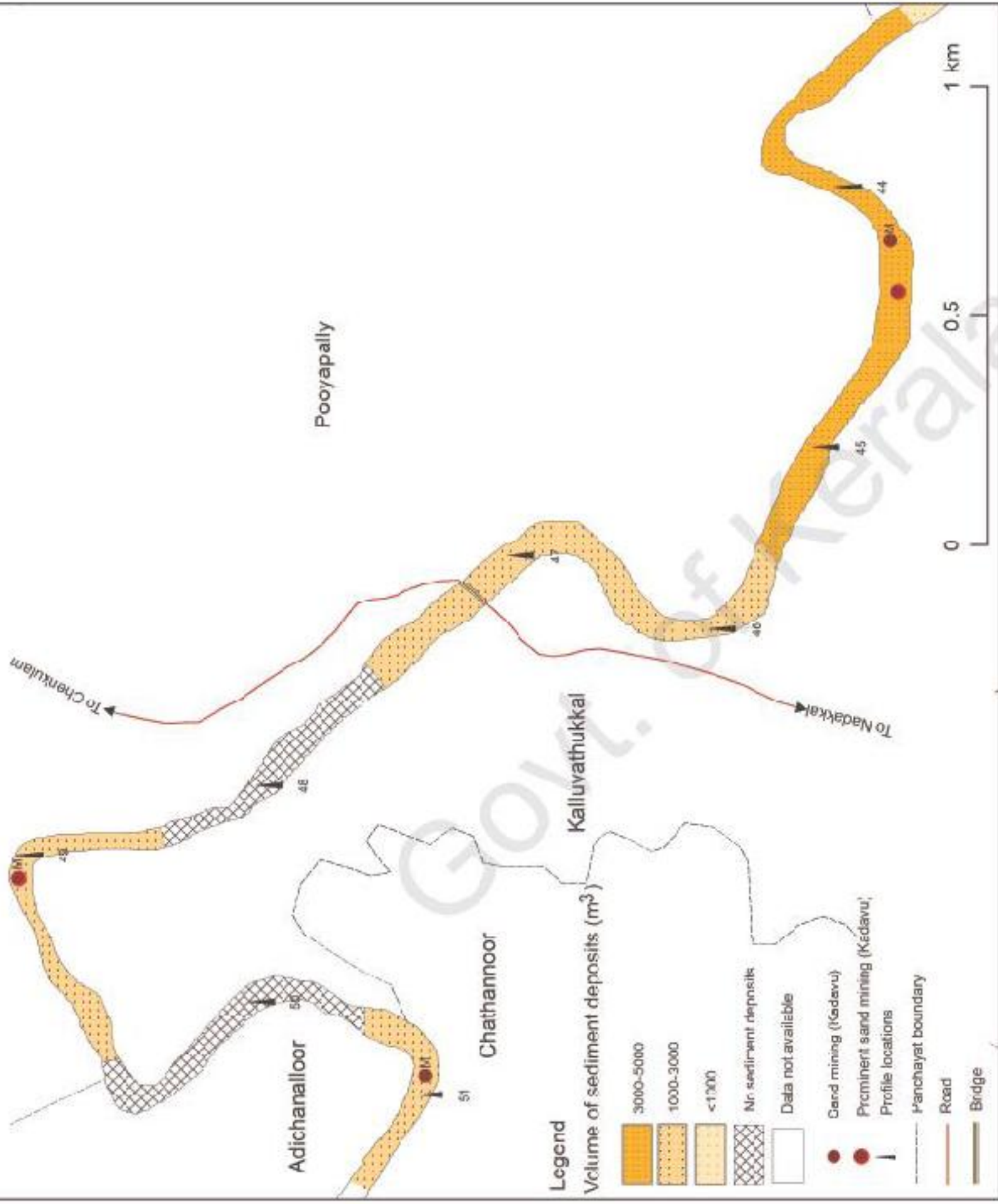
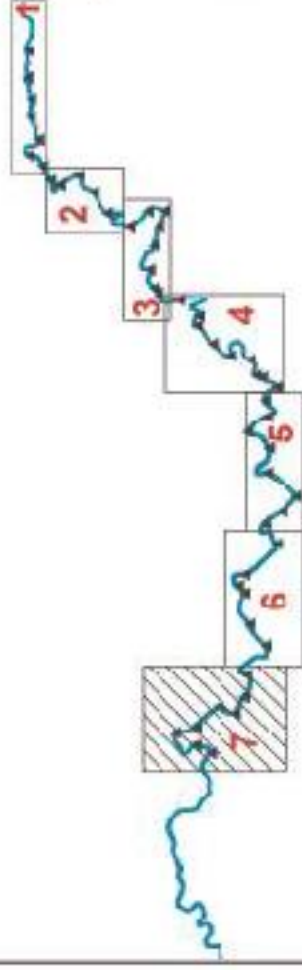


PLATE 7

# ESTIMATION OF SEDIMENT DEPOSITS : ITHIKKARA RIVER



## SEGMENT INDEX



**Legend**

- ▲ Profile locations
- ~ River

## LOCATION MAP

