

ESTIMATION OF SEDIMENT DEPOSITS OF ITHIKKARA RIVER

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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 ³)	Volume of sand above summer water level in each profile (m ³)	Volume of sand above summer water level for the Panchayats (m ³)	Total volume of sand for the Panchayats (m ³)	Cumulative volume of sand (m ³)
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 ³)	Volume of sand above summer water level (m ³)	Volume of sand above summer water level for the Panchayat (m ³)	Total volume of sand for the Panchayat (m ³)	Cumulative volume of sand (m ³)
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
Total Length	41.6	42.0	-	-	47658.00	47658.00	-	136232.67

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

Sl. No.	Panchayat(s)	No. of kadavus	Total volume of sand (m ³)	Volume of sand above summer water level (m ³)
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	-
	Total	30	122726.30	41336.64

ESTIMATION OF SEDIMENT DEPOSITS : INDEX MAP

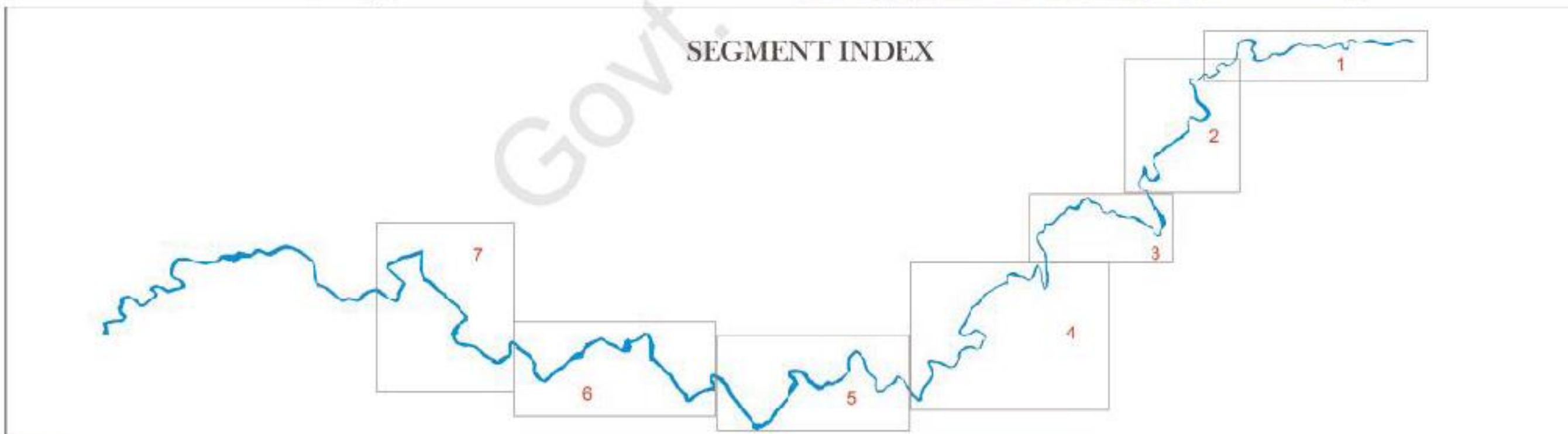
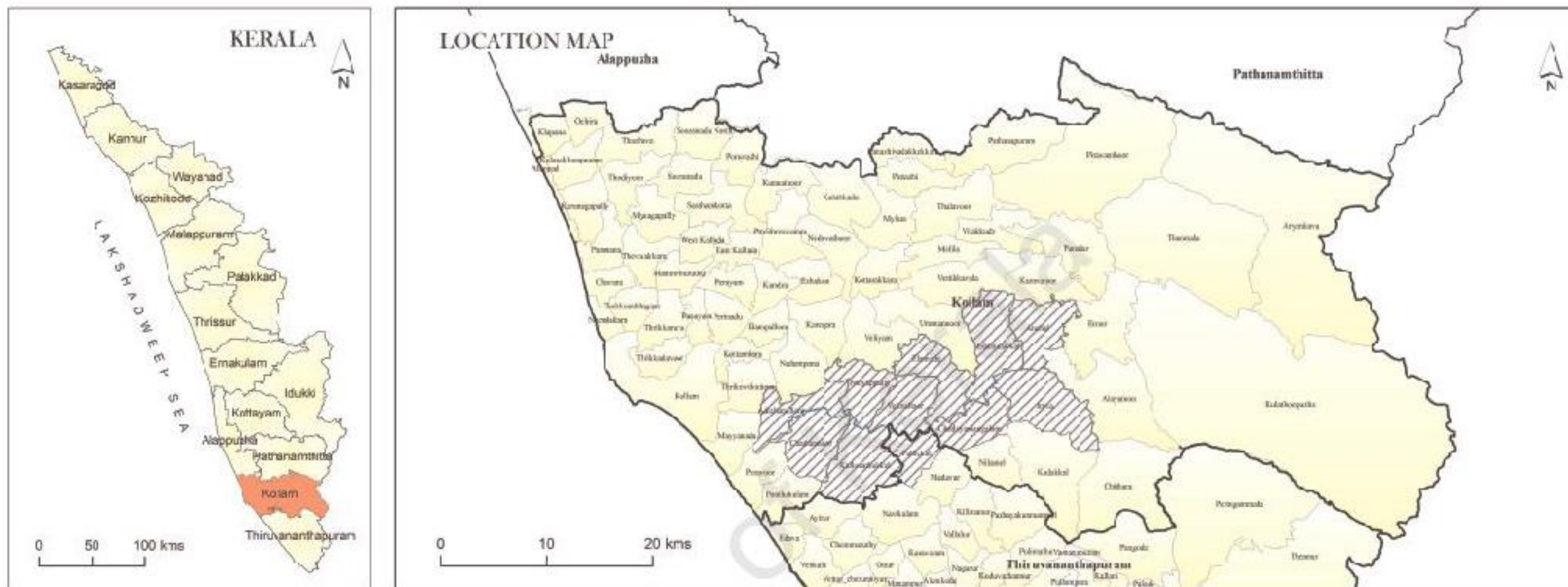


PLATE :

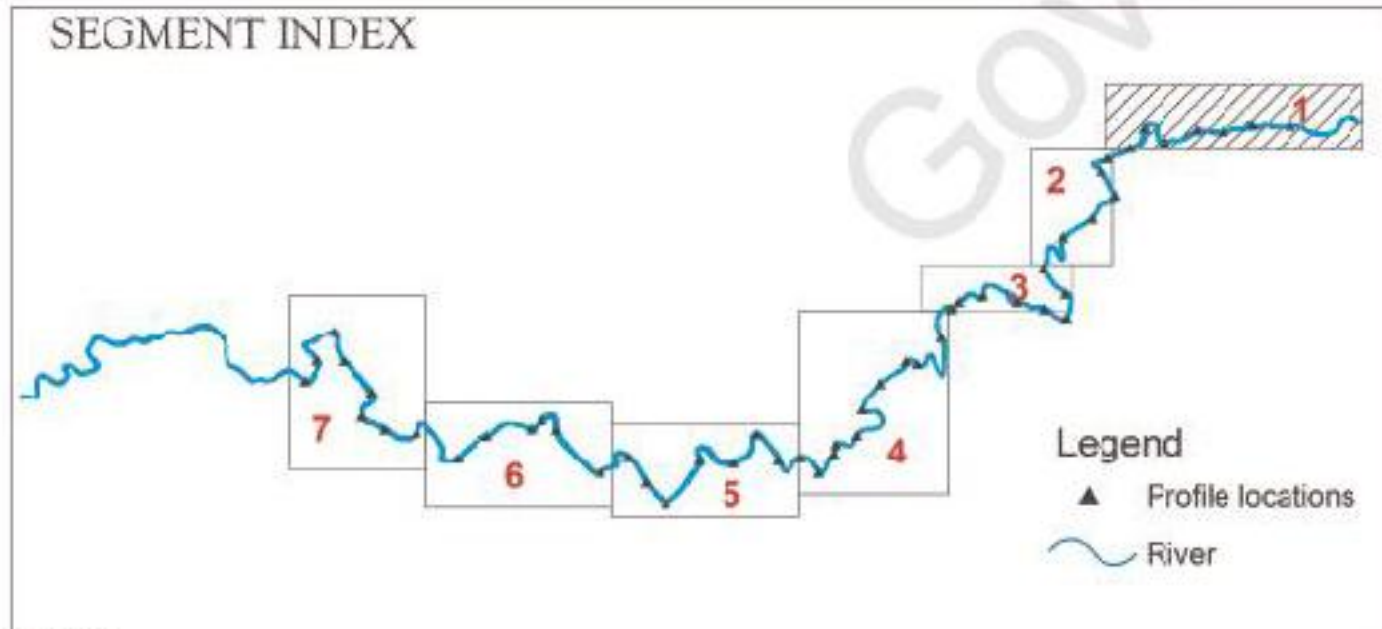
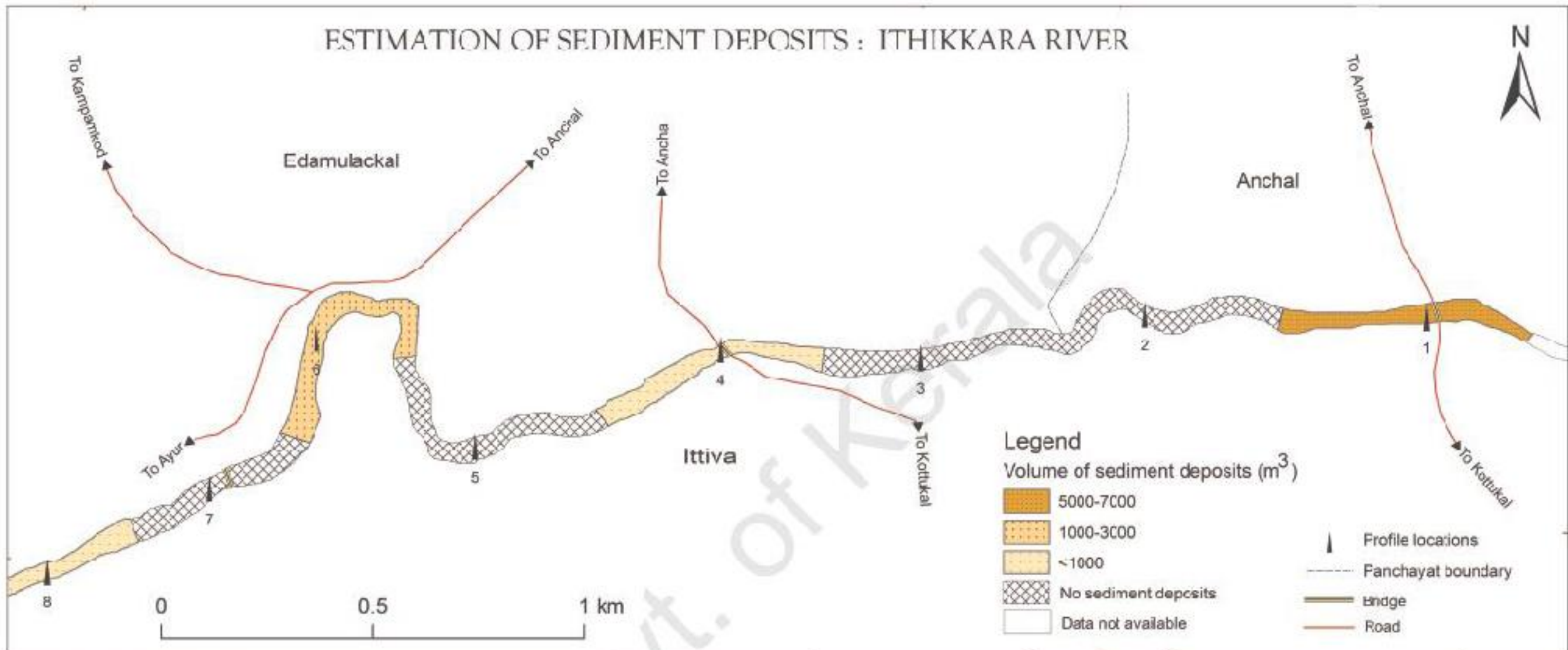
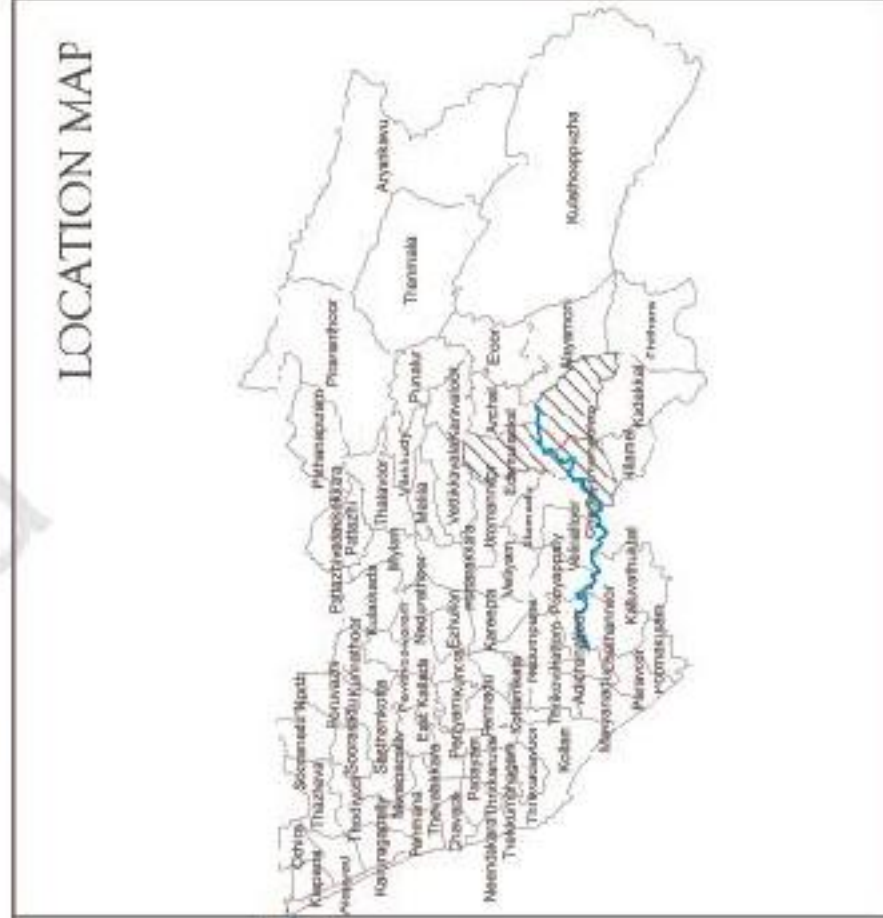
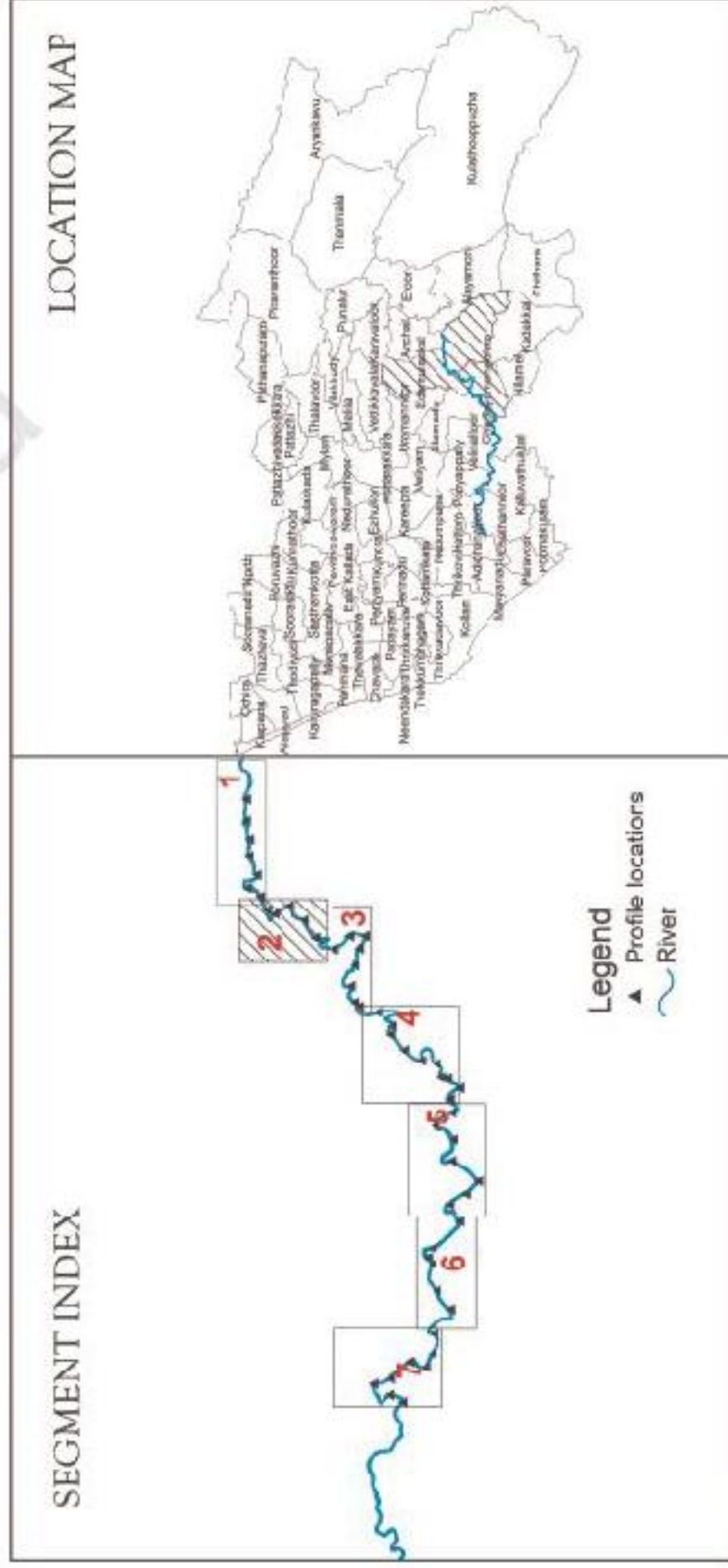
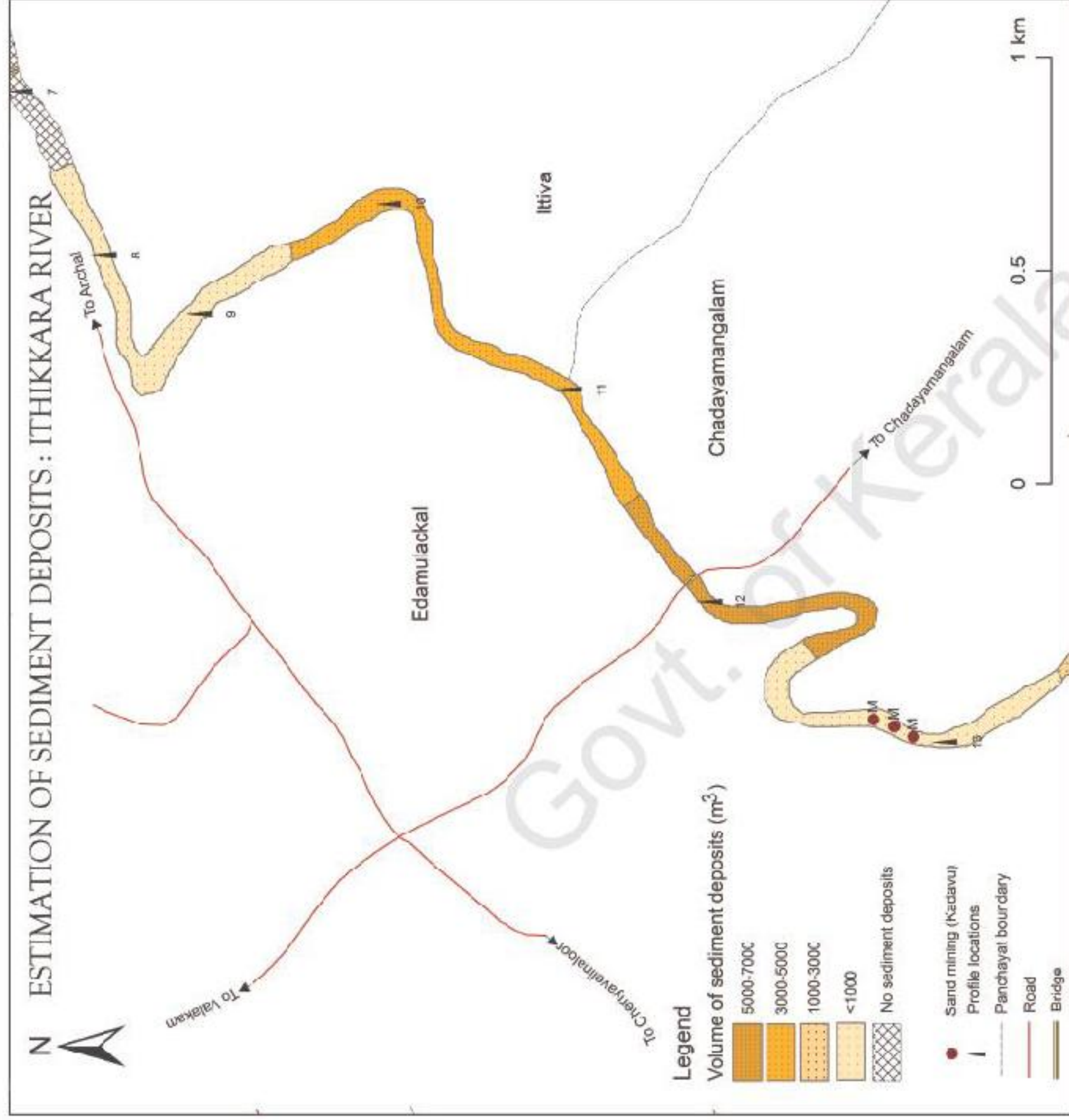
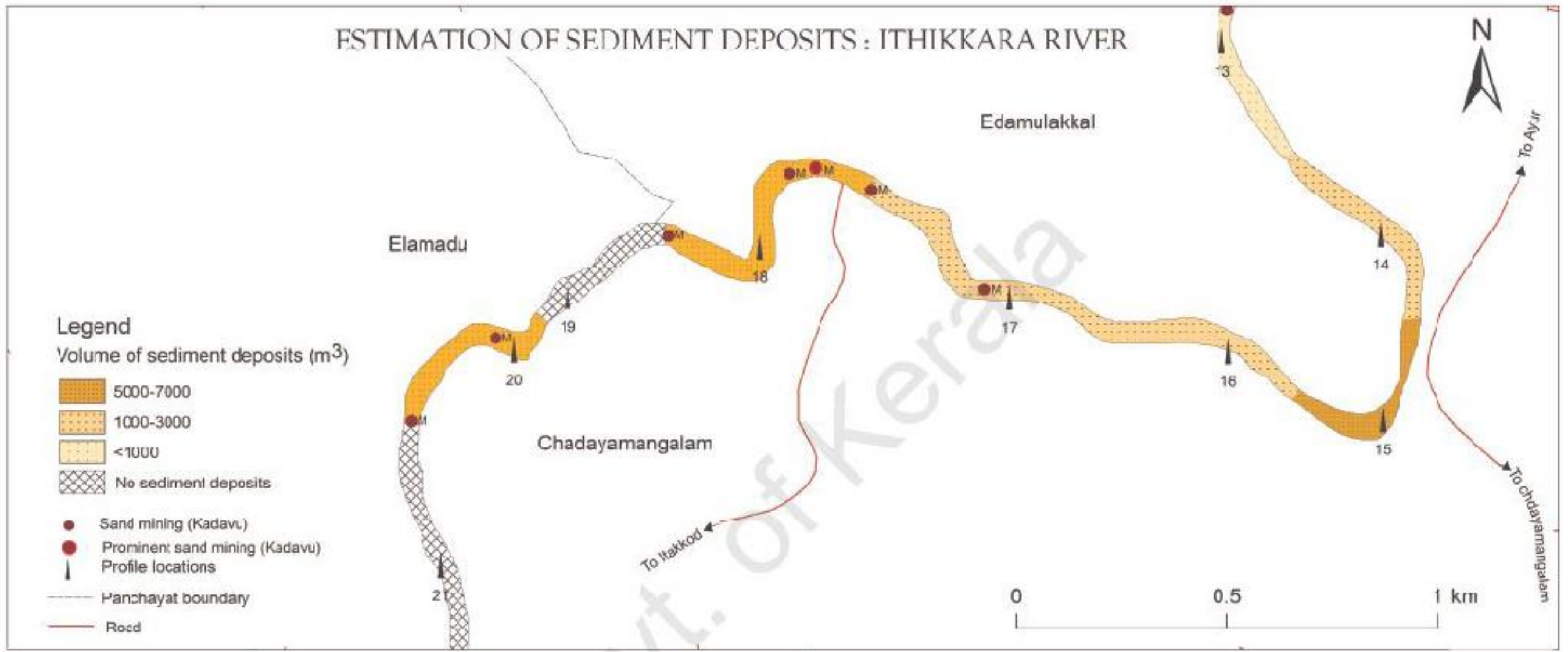


PLATE 2



ESTIMATION OF SEDIMENT DEPOSITS : ITHIKKARA RIVER



- Legend**
- Volume of sediment deposits (m³)
- 5000-7000
 - 1000-3000
 - <1000
 - No sediment deposits
- Sand mining (Kadavu)
 - Prominent sand mining (Kadavu)
 - Profile locations
 - Panchayat boundary
 - Road

SEGMENT INDEX



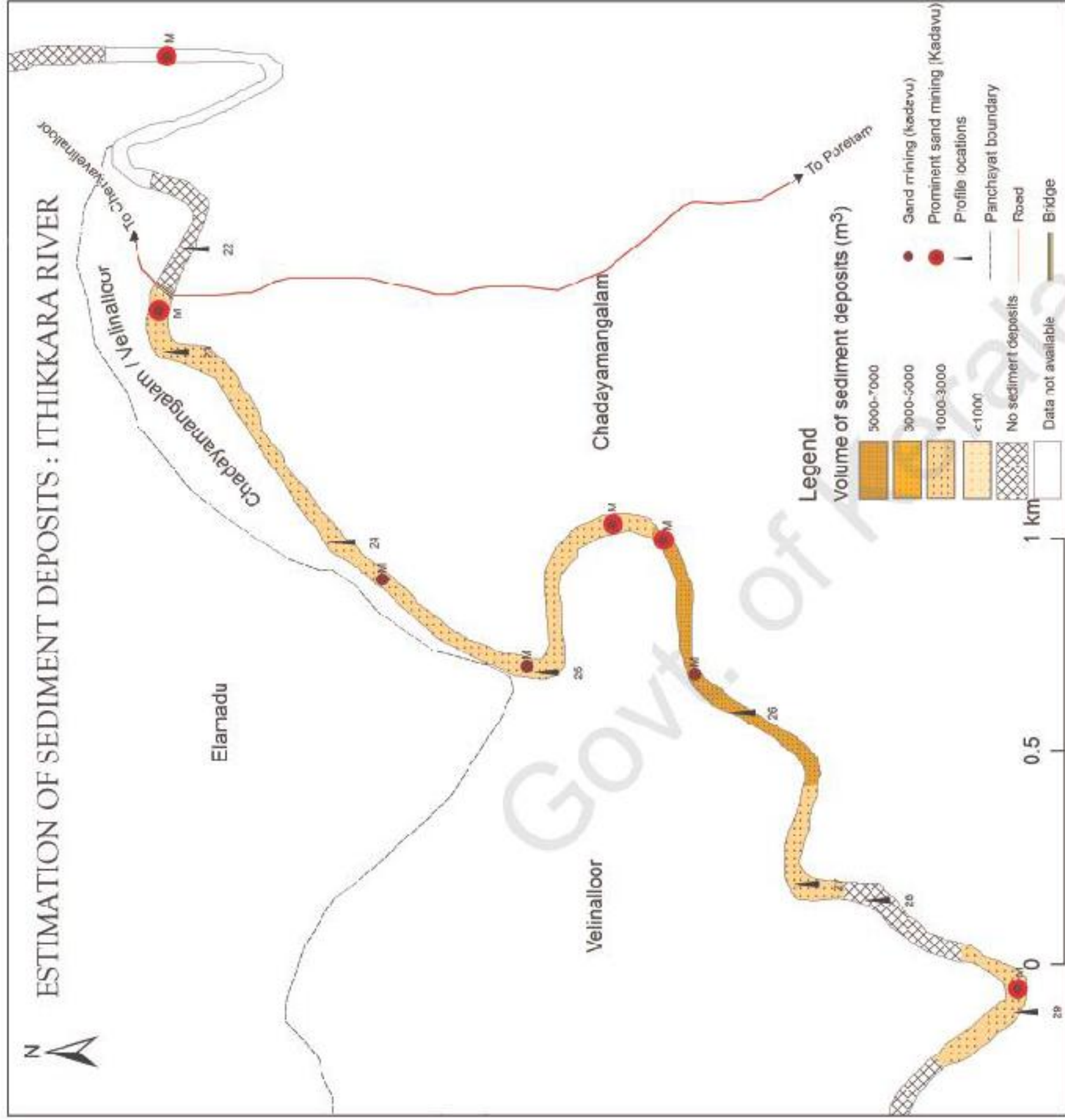
- Legend**
- Profile locations
 - River

LOCATION MAP



PLATE 4

ESTIMATION OF SEDIMENT DEPOSITS : ITHIKKARA RIVER



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LOCATION MAP



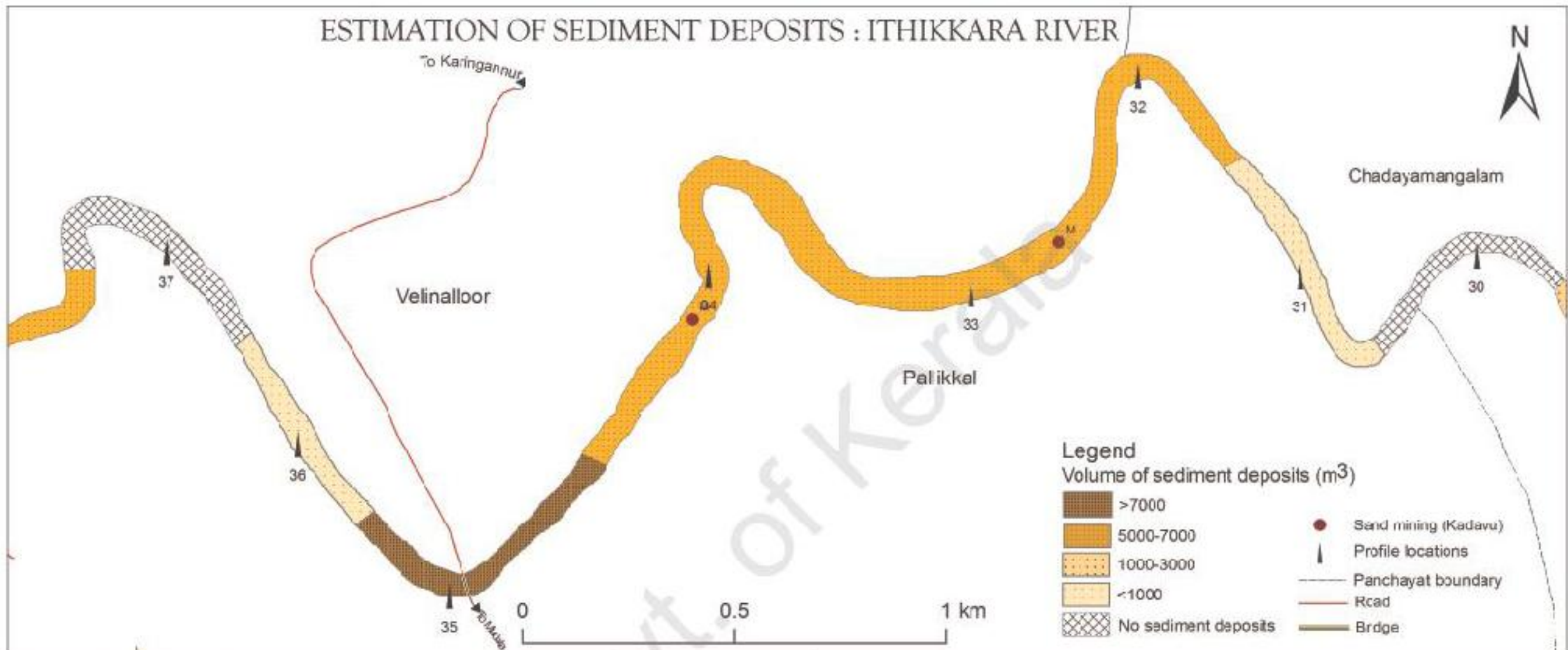


PLATE 6

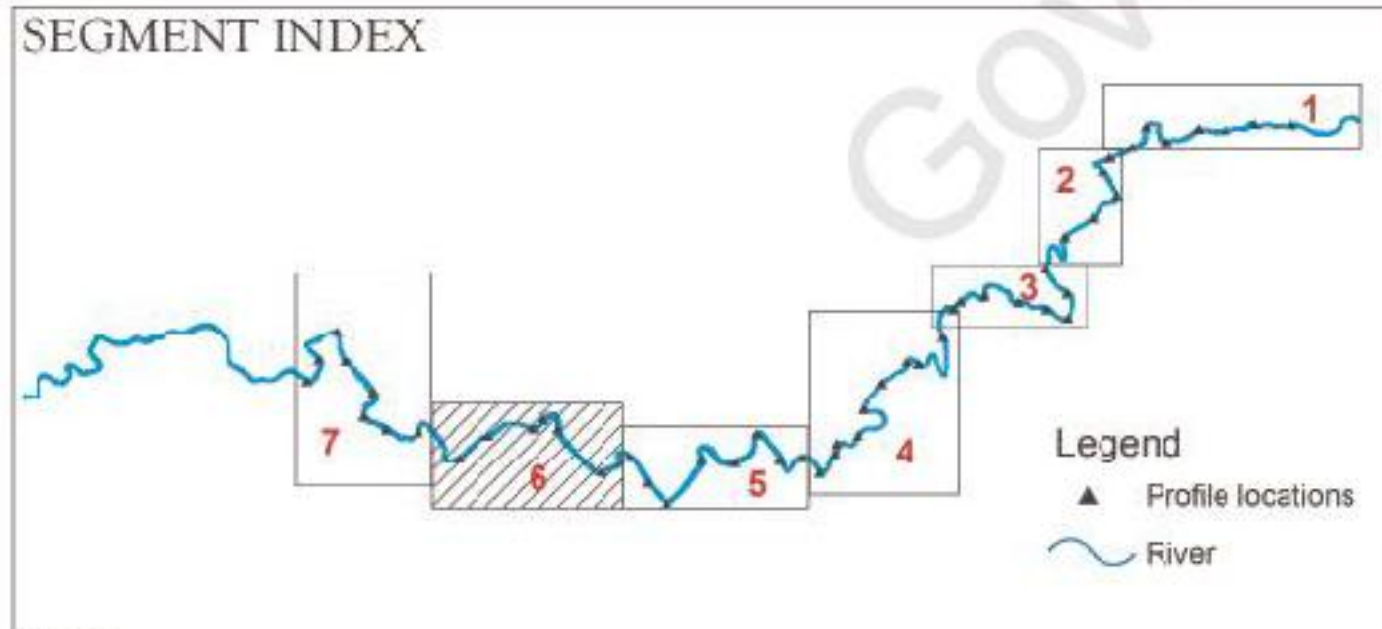
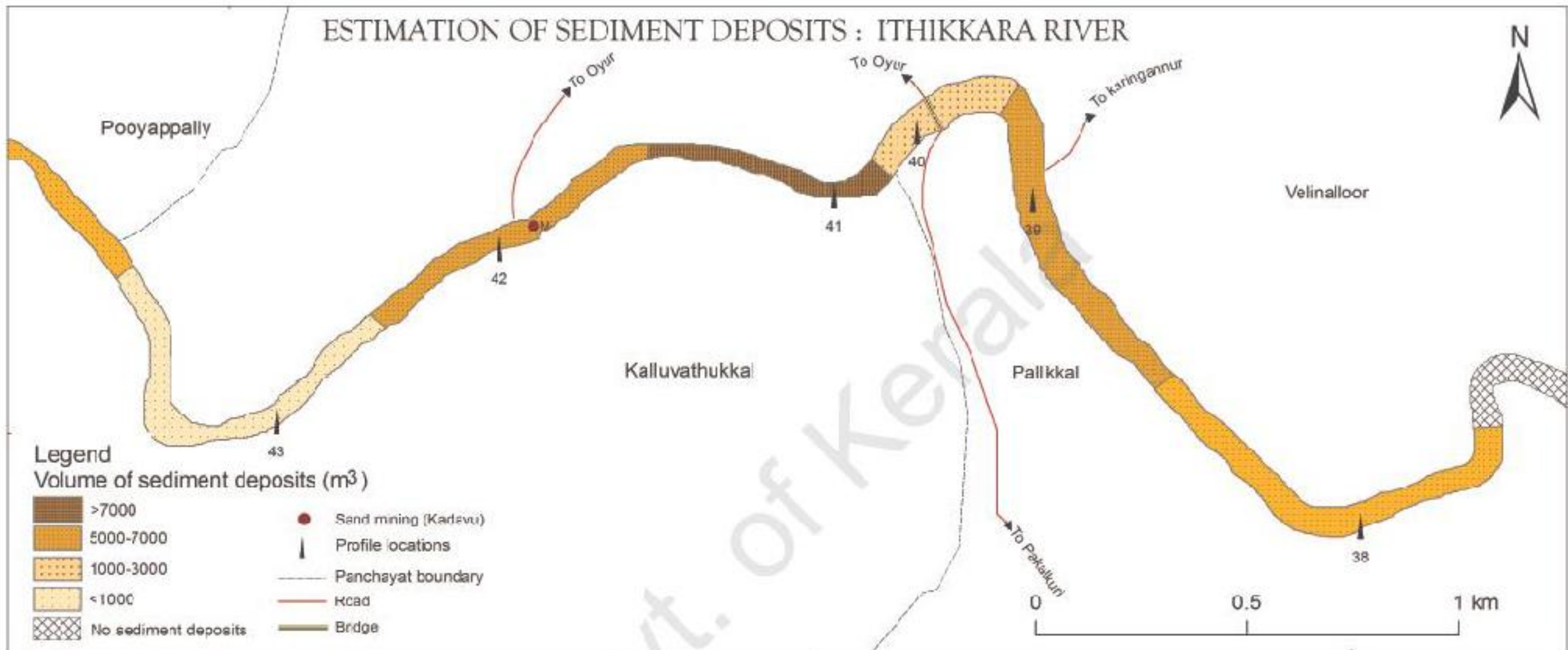
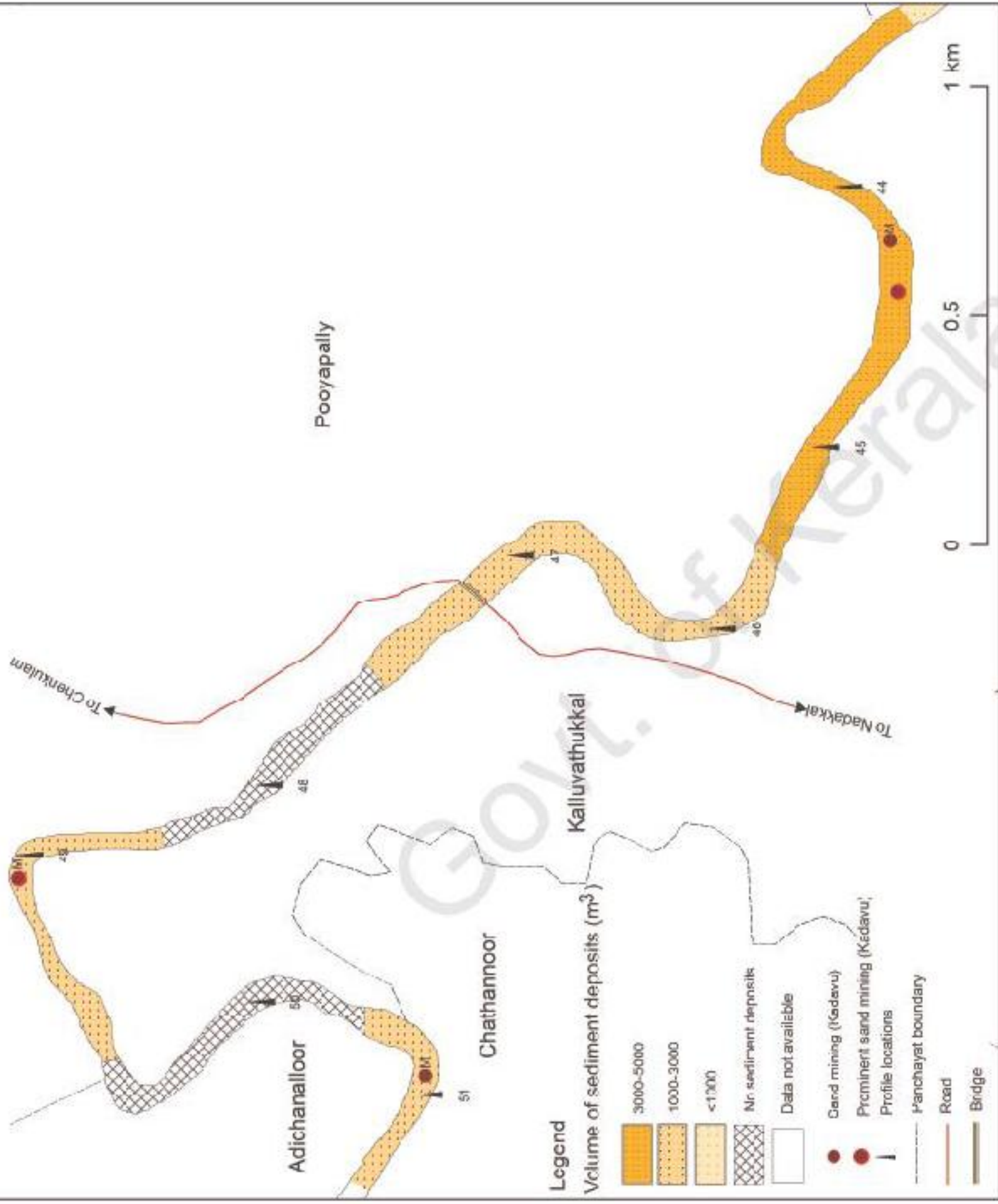
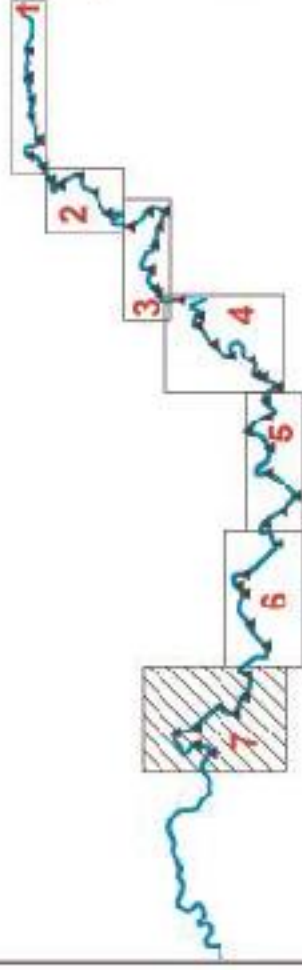


PLATE 7

ESTIMATION OF SEDIMENT DEPOSITS : ITHIKKARA RIVER



SEGMENT INDEX



Legend

- ▲ Profile locations
- ~ River

LOCATION MAP

