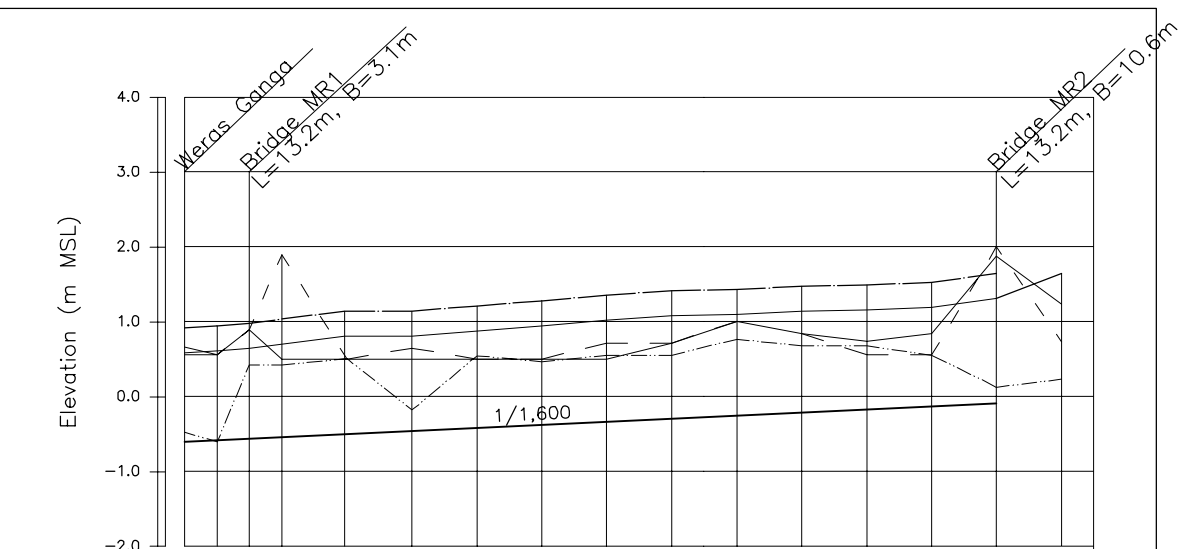


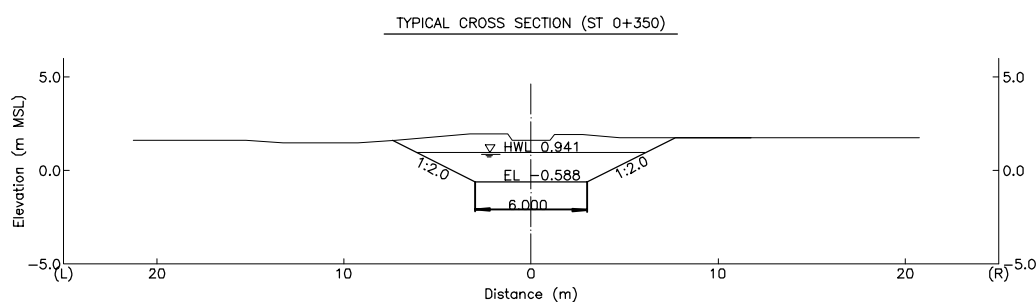
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Figure 4.70
Typical Cross Section of Proposed Maha Ela
Tributary Channel Improvement



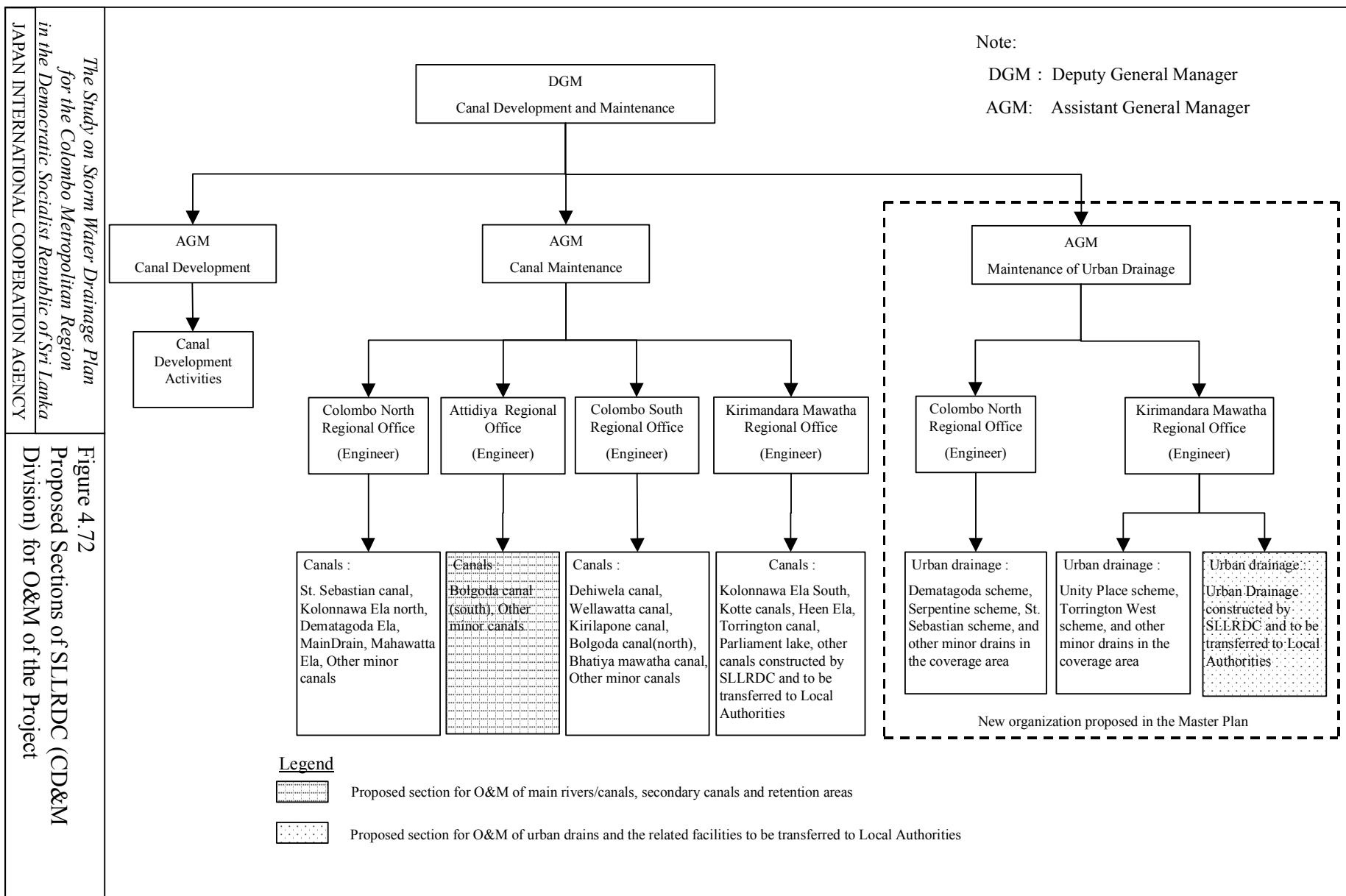
Station	Partial Distance (m)	Accum. Distance (m)	Right Bank (EL m)	Left Bank (EL m)	Original Riverbed (EL m)	Design			Remark
						Crest of Dike (EL m)	Riverbed (EL m)	HWL (EL m)	
ST 0+000	0	0	0.466	0.572	-0.650	0.975	-0.900	0.675	
ST 0+050	70	50	0.593	0.633	-0.717	1.054	-0.838	0.745	
ST 0+100	50	100	0.923	0.853	0.267	1.115	-0.775	0.815	
ST 0+150	50	150	0.483	1.883	0.260	1.190	-0.713	0.890	
ST 0+250	100	250	0.578	0.535	0.311	1.215	-0.650	0.915	
ST 0+350	100	350	0.555	0.673	-0.374	1.241	-0.588	0.941	
ST 0+450	100	450	0.455	0.455	0.388	1.308	-0.525	1.008	
ST 0+550	100	550	0.505	0.425	0.285	1.356	-0.463	1.056	
ST 0+650	100	650	0.533	0.660	0.355	1.437	-0.400	1.137	
ST 0+750	100	750	0.605	0.690	0.318	1.494	-0.338	1.194	
ST 0+850	100	850	0.955	0.955	0.625	1.510	-0.275	1.210	
ST 0+950	100	950	0.735	0.825	0.500	1.541	-0.213	1.241	
ST 1+050	100	1,050	0.715	0.655	0.615	1.601	-0.150	1.301	
ST 1+150	100	1,150	0.845	0.655	0.400	1.696	-0.119	1.396	
ST 1+250	100	1,250	1.885	1.925	-0.015	1.793	-0.088	1.493	
ST 1+350	100	1,350	1.260	0.758	0.099	1.843	-0.650	1.643	

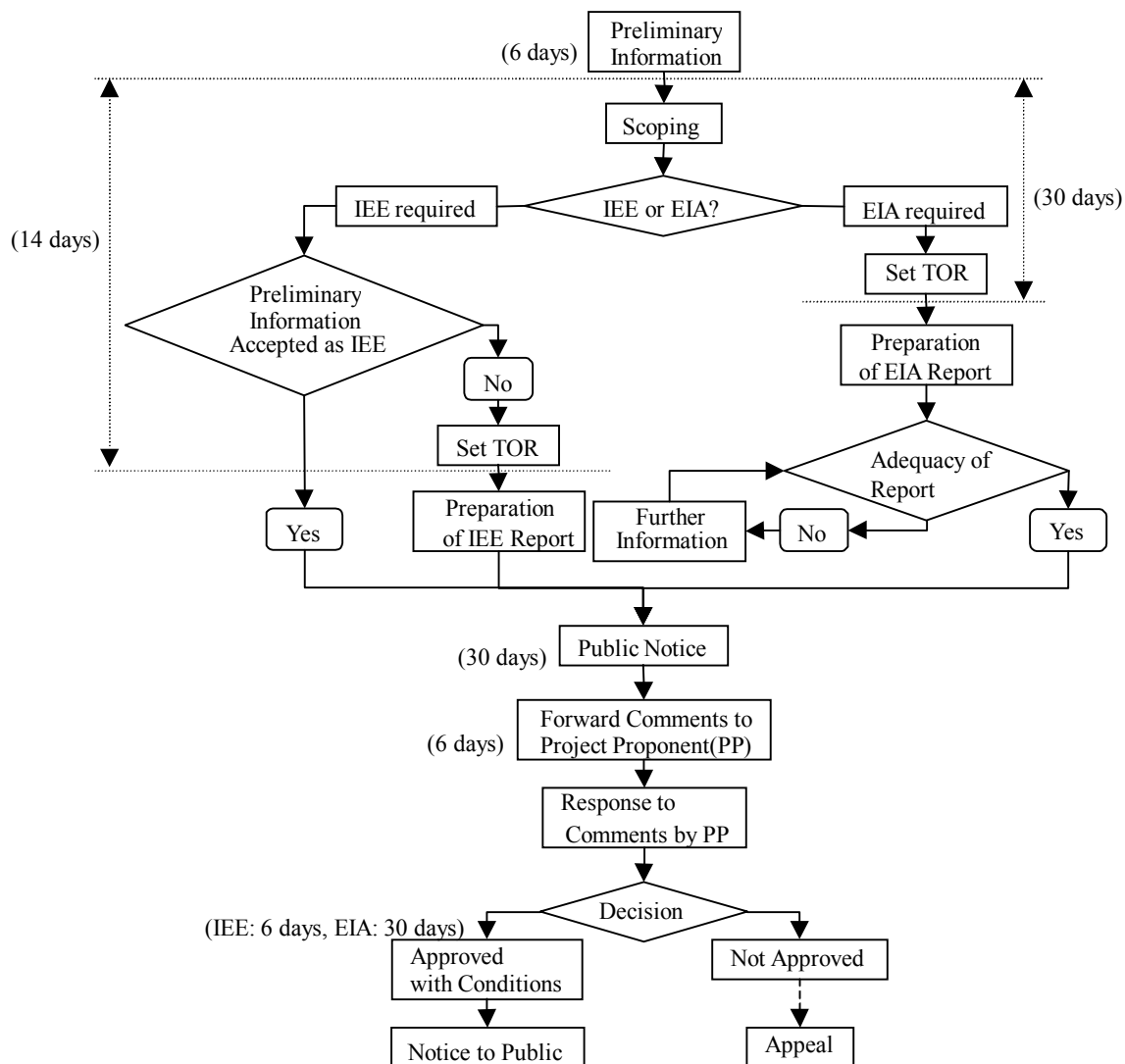


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Figure 4.71
Longitudinal Profile and Typical Cross Section
of Proposed Katubedda Tributary Channel
Improvement





Note: Bracketed figures indicate maximum number of days to complete necessary procedure.

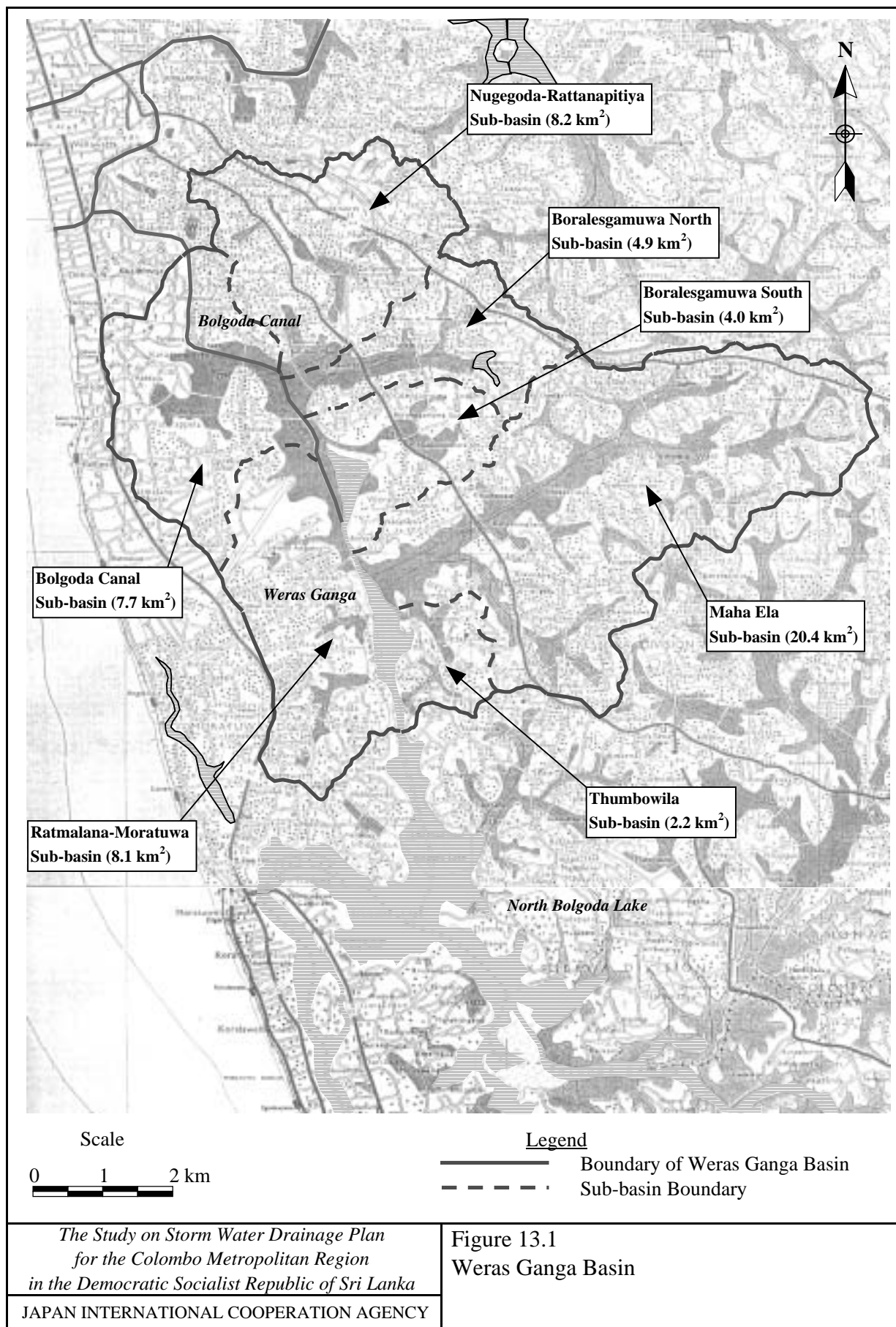
Source: This figure is rearranged based on the “Guide for Implementing the EIA Process, No.1, 1998. Central Environmental Agency, Sri Lanka”.

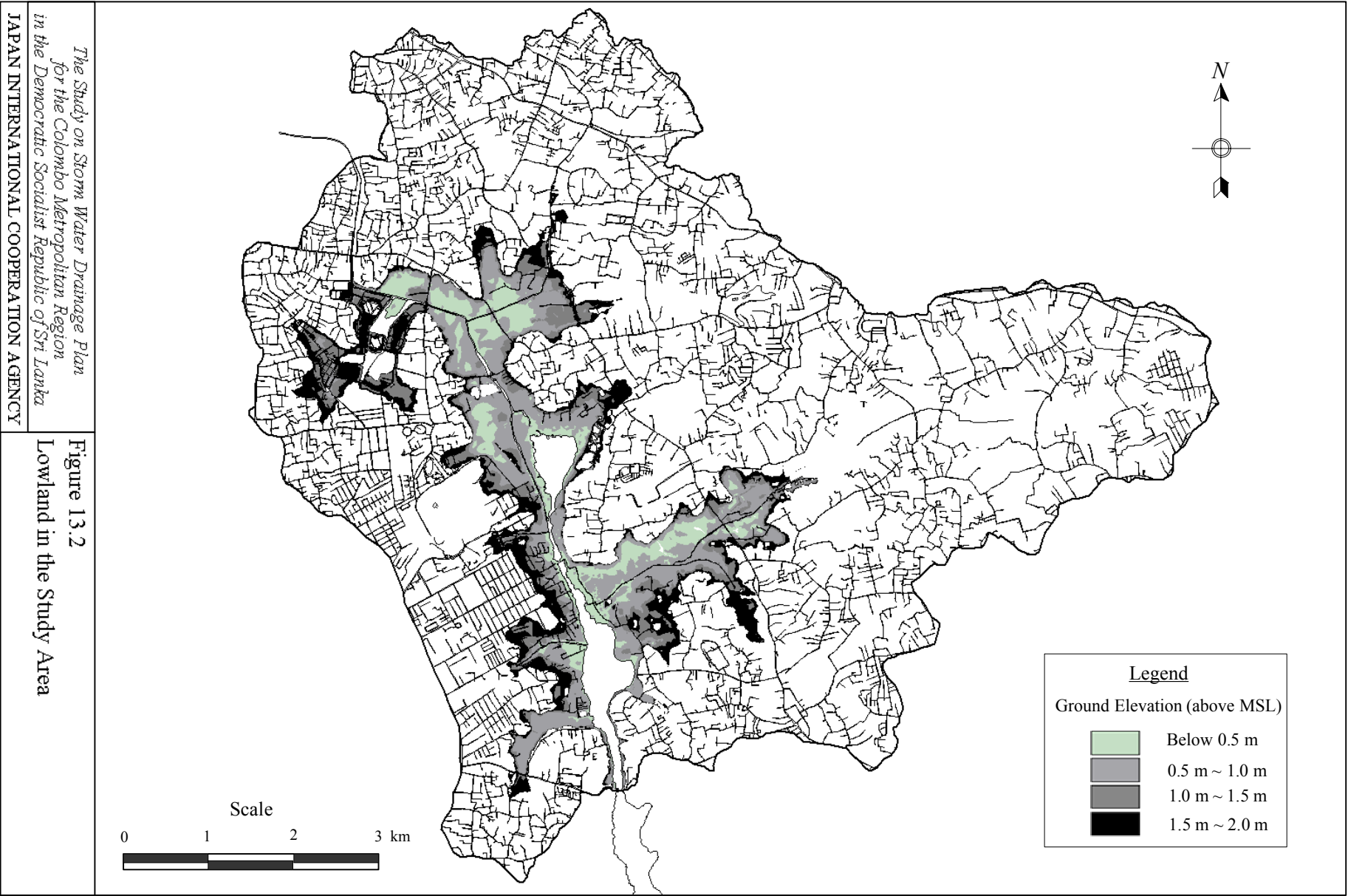
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Figure 6.1
EIA Process

Component Project	Cost (million Rs.)	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
1. Ja Ela Basin Stormwater Drainage Plan																		
1) Ja Ela Channel Improvement (B=60m, L=7km)	1,102	D/D				Construction												
2) Dandungam Oya Channel Improvement (B=80m, L=9.9km)	2,342					Procurement												
3) Storm Water Retention Area (Lower Area =500ha, Upper Area=376ha)	235																	
2. Kalu Oya Basin Stormwater Drainage Plan																		
1) Old Negombo Canal Improvement (B=40m, L=4.5km)	648																	
2) Kalu Oya Channel Improvement (B=50m, L=5km)	1,515																	
3) Storm Water Retention Area (Lower Area =360ha, Upper Area=89ha)	300																	
3. Greater Colombo Basin Stormwater Drainage Plan																		
1) Restoration of the Existing Mutwal Tunnel (D=1.8m, L=554m)	86																	
2) Construction of Madiwela South Diversion Canal (B=40m, L=8.8km)	3,361																	
3) New Mutwal Tunnel Construction (D=4m, L=740m)	861																	
4) Storm Water Retention Area (Kolonnawa, Kotte and Heen Marshes and Parliament Lake Area = 380ha in total)	81																	
4. Bolgoda Basin Storm Water Drainage Plan																		
1) Weras Ganga Scheme (B=40m, L=5.5km), Nugegoda-Rattanaipitiya Scheme(5.5km), Bolgoda Scheme (2.4km) and Ratmalana-	3,274																	
2) Boralessgamuwa North (3.1km) Boralessgamuwa South (1km) and Maha Ela Scheme (4.5km)	1,035																	
3) Storm Water Retention Area in Weras Ganga Basin (295ha)	793																	
4) Storm Water Retention Area in Lowlands of North and South Bolgoda Lakes	-																	
5. Non-structural Measures																		
1) Storm Water Retention Area Management - Institutional and Legislative Arrangement - Implementation	-																	
2) Development Control in Urban Development Area - Institutional and Legislative Arrangement - Implementation	-																	
3) Land Use Regulation in Lowland Area - Institutional and Legislative Arrangement - Implementation	-																	
4) Dissemination of Flood Information - Institutional and Legislative Arrangement - Implementation	-																	
5) Flood-proofing of buildings in Flood-prone Area	-																	
6. Institutional Development Plan																		
1) Demarcation of Responsibilities on Storm Water Drainage Sector among Related	-																	
2) Lowland Management by SLLRDC - Institutional and Legislative Arrangement - Implementation	-																	
7. Operation and Maintenance Plan																		
1) Organizational Set-up and Staff Arrangement (SLLRDC and Relevant Local Authorities)	-																	
2) Procurement of O&M equipment	-																	
8. Human Resources Development Plan																		
1) Implementation of O&M Training Program for SLLRDC and Local Authorities	-																	
2) Implementation of Overall Training Program for Human Resources Development for Storm Water Drainage Sector	-																	
<div> <div>The Study on Storm Water Drainage Plan for the Colombo Metropolitan Region in the Democratic Socialist Republic of Sri Lanka</div> <div>Figure 9.1 Overall Implementation Schedule of Storm Water Drainage Master Plan</div> </div>																		
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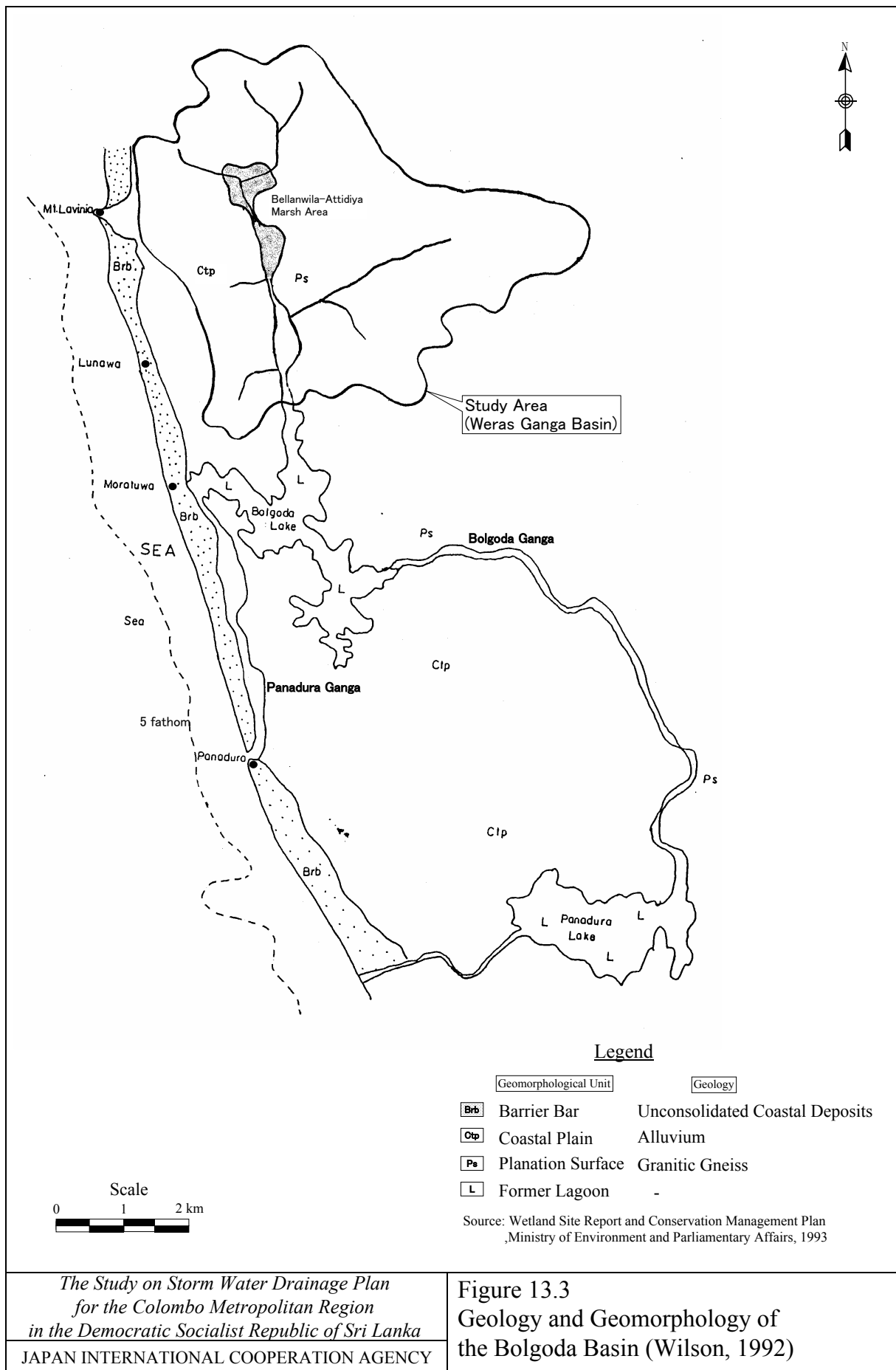


Figure 13.4
Present Land Use Pattern in Weras Ganga
Basin

