

**DATA 7 : WATER USE INVENTORY
SURVEY**

**THE STUDY ON STORM WATER DRAINAGE PLAN
FOR THE COLOMBO METROPOLITAN REGION
IN
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA**

FINAL REPORT

VOLUME V : DATA BOOK

DATA 7 : WATER USE INVENTORY SURVEY

TABLE OF CONTENTS

	Page
1. Objectives.....	D7-1
2. Survey Area.....	D7-1
3. Technical Specifications.....	D7-1
4. Results of the Survey.....	D7-1
Survey Form Water Use Inventory Survey	D7-2
Table 1 Scope of the Work.....	D7-1
Table 2 Water Supply – Gampaha Division, Colombo Division, Kalutara Division	D7-3
Table 3 Gampaha Division – Irrigation Anicut Schemes	D7-4
Table 4 Gampaha Division – Flood Control Kelani Right Bank.....	D7-5
Table 5 Colombo Division – Flood Control Kelani Left Bank - Salt Water Exclusion Schemes	D7-6
Table 6 Colombo Division – Irrigation Reservoir Schemes - Irrigation Anicut Schemes	D7-7
Table 7 Kalutara Division – Irrigation Anicut Schemes.....	D7-8
Drawing 1 Locations of Anicut Structures - Gampaha Division.....	D7-9
Drawing 2 Locations of Flood Control Structures Along Kelani Ganga, Salt Water Exclusion Structures, Reservoir Schemes, and Anicut Schemes - Colombo Division.....	D7-10
Drawing 3 Locations of Anicut Structures - Kalutara Division	D7-11
Drawing 4 Locations of Salt Water Exclusion & Flood Control Structures and Pumping Stations (abandoned) - Kalutara Division	D7-12
Drawing 5 Locations of Water Supply Intakes - Full Study Area.....	D7-13

1. Objectives

The water use inventory survey is to assess the impacts to the existing water use condition by the storm water drainage projects to be proposed.

2. Survey Area

The survey area consists of four basins in the Colombo Metropolitan Area such as lower Ja Ela basin, Kalu Oya basin, Greater Colombo basin, and Bolgoda. The survey area covers an area of 830 km².

3. Technical Specifications

The survey shall identify the present conditions of water use in the study area. The water use inventory shall be prepared on the existing intake points for water supply, irrigation, fishery purposes, etc. in drainage canals, lakes, and ponds in the survey area. The following information and data to be collected are shown in Table 1 and Survey Form 1.

Table 1 Scope of the Work

Items to be Surveyed	Data and Information to be Collected	Contents to be Examined
a) Legal aspect on water use right and commonage, and its practice	a) Laws and regulations on water use right and commonage, and documents to review its practice	a) Review of relevant legislation on water use right and commonage, summary of example of the practices
b) Water use inventory	b) Water use data for water supply, irrigation, fishery, etc. by each water intake point, basic dimensions of intake structures and equipment	b) Location map of intake points, data sets of the water use inventory including location of intake point, purpose of water use, amount of water taken per day/month, method of intake of water, basic dimensions of intake structures and equipment, status of water use right and/or commonage, water quality

4. Results of the Survey

The survey was conducted by subcontracting to the Lanka Hydraulic Institute. The full set of the survey report can be available in the SLLRDC office. Part of the survey results, especially collected data, were shown in the following.

Survey Form
Water Use Inventory Survey

Data Item	Data
1. Serial No. of intake point*	
2. Established	Year: _____ by: _____
3. Location of intake point	Address: _____ Latitude & altitude: _____
4. Main purpose of water use	<input type="checkbox"/> water supply <input type="checkbox"/> agriculture <input type="checkbox"/> fishery <input type="checkbox"/> others (_____)
5. Source of water	
6. Area covered	_____ km ² Description of area covered: _____ _____ _____
7. Amount of water taken	m ³ /day Monthly Trend January _____ m ³ /month February _____ m ³ /month March _____ m ³ /month April _____ m ³ /month May _____ m ³ /month June _____ m ³ /month July _____ m ³ /month August _____ m ³ /month September _____ m ³ /month October _____ m ³ /month November _____ m ³ /month December _____ m ³ /month
8. Method of intake	<input type="checkbox"/> water gate <input type="checkbox"/> pump <input type="checkbox"/> others (_____)
9. Basic dimensions of intake structures and equipment	(Drawings should be attached.)
10. Status of water use right and/or commonage	
11. Governmental agency in charge of the water use	
12. Water quality data at intake point	

*: The No. should be consistent with location map of water intake points.

**TABLE 2 WATER SUPPLY - GAMPAHA DIVISION
- COLOMBO DIVISION
- KALUTARA DIVISION**

Gampaha Division

Scheme	1.Serial No of intake point	2.Established		3.Location of intake point		4.Main purpose of water use	5.Source of water	6.Area covered		7.Amount of water taken m3/day	8.Method of intake	9.Details of intake structures	10.Status of water use right /commonage	11.Govt. agency in charge of water use	12.Water quality data
		Year	By	Address	Altitude ft.aMSL			Area	crop						
Minuwangoda water supply scheme	Ga/WS/1	1985	NWS&DB	Dutugemunu Mw, Minuwangoda	N/A	water supply	Ground water	N/A	N/A	500	4 Nos. pumps 6-10 kw	see col.8	consumer supply	NWS&DB	High iron content
Raddoluwa water supply scheme	Ga/WS/2	1979	NWS&DB	Raddoluwa Housing Scheme, Raddoluwa	N/A	water supply	Dadugan Oya	N/A	N/A	4500	02 Nos.pumps 30kw	see col.8	consumer supply	NWS&DB	Industrial pollution during dry weather
Gampaha water supply scheme	Ga/WS/3	1984	NWS&DB	Kandy Road, Yakkala	N/A	water supply	Attanagalu Oya	N/A	N/A	4000	01 No.pump 15kw	see col.8	consumer supply	NWS&DB	High turbidity during wet weather
Je Ele water supply scheme	Ga/WS/4	1995	NWS&DB	Ja-Ela	N/A	water supply	Ground water	N/A	N/A	800	04 Nos.pumps 6-10 kw	see col.8	consumer supply	NWS&DB	High iron content

Colombo Division

Scheme	1.Serial No of intake point	2.Established		3.Location of intake point		4.Main purpose of water use	5.Source of water	6.Area covered		7.Amount of water taken m3/day	8.Method of intake	9.Details of intake structures	10.Status of water use right /commonage	11.Govt. agency in charge of water use	12.Water quality data
		Year	By	Address	Altitude MSL			Area	crop						
Ambetale water treatment plant	Co/WS/1	1960 & 1993	NWS&DB	Ambetale	N/A	water supply	Keleni Ganga L.B.	CMR	N/A	455000	Pumps ³	see col.8	consumer supply	NWS&DB	Saline during very low river flow
Labugama water treatment plant	Co/WS/2	1886	CMC ¹	Labugama	N/A	do	Labugama reservoir	CMR	N/A	38000	gravity flow	N/A	consumer supply	NWS&DB	N/A
Kalatuwawa water treatment plant	Co/WS/3	1955	PWD ²	Kalatuwawa	N/A	do	Kalatuwawa reservoir	CMR	N/A	68000	gravity flow	N/A	consumer supply	NWS&DB	N/A

¹ Colombo Municipal Council

² Public Works Department

³ (Old intake 04 no Pumps 400 kw

(New intake 03 No Pumps 400 kw + 03 Nos Pumps 240 kw 01 No. 120 kw

(Old intake includes 01 standby and new intake includes 2 standby pumps

Kalutara Division

Scheme	1.Serial No of intake point	2.Established		3.Location of intake point		4.Main purpose of water use	5.Source of water	6.Area covered		7.Amount of water taken m3/day	8.Method of intake	9.Details of intake structures	10.Status of water use right /commonage	11.Govt. agency in charge of water use	12.Water quality data
		Year	By	Address	Altitude ft.aMSL			Area	crop						
Bandaragama water supply scheme	Ka/WS/1	1966	NWS&DB	Bandaragama	N/A	water supply	Ground water	N/A	N/A	500	04 Nos. pumps 6-10 kw	see col.8	consumer supply	NWS&DB	High iron content
Horana water supply scheme	Ka/WS/2	1990	NWS&DB	Horana	N/A	do	Kalu Ganga	N/A	N/A	1000	01 No. pump 10kw	see col.8	do	NWS&DB	N/A

N/A - Not Available (or applicable)

TABLE 3 GAMPAHA DIVISION - IRRIGATION ANICUT SCHEMES

Scheme	1.Serial No of intake point	2.Established		3.Location of intake point(Anicut)		4.Main purpose of water use	5.Source of water	6.Area covered		7.Amount of water taken	8.Method of intake	9.Detailsof intake structures				water use right /commonage	11.Govt. agency in charge of water use	12.Water quality data		
		Year	By	Address	Altitude ft.aMSL			Area	crop			L/B.dimensions	L/B.altitude ft. aMSL	R/B.dimensions	R/B.altitude ft. aMSL					
1	Opatha	Ga/AS/Au/01	1974/75	ID	L/1(12.5x4.45)	see under 9	Agriculture	Attanagalu Oya	230 Acres	paddy	N/A	water gate	none	N/A	2' dia	3.5	FO	ID	N/A	
2	Kotugoda Bolanda	Ga/AS/Au/02	1890	ID	L/1(19.50x4.45)	see under 9	Agriculture	Attanagalu Oya	335Acres	paddy	N/A	water gate	2' x 2' - 118' u/s	10	2'x2', 96' u/s	10	FO	ID	N/A	
3	Galwetiya	Ga/AS/Au/03	1950	ID	N/A	see under 9	Agriculture	Attanagalu Oya	30 Acres	paddy	N/A	water gates	4 nos 12" dia, 780' & 75' u/s	16	12" dia, 520' u/s	16	FO	ID	N/A	
4	Kaudangala	Ga/AS/Au/04	not functioning	ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5	Tammita	Ga/AS/Au/05	1981	ID	L/2(3.25x1.75)	see under 9	Agriculture	Attanagalu Oya	530 Acres	paddy	N/A	water gate	3.75'x4.5'	16.25	4.5'x4'	16.25	FO	ID	N/A	
6	Aluth Ela Galwana	Ga/AS/Au/06	1971	ID	N/A	see under 9	Agriculture	Attanagalu Oya	300Acres	paddy	N/A	wate gate	3.67'x3	22	none	N/A	FO	ID	N/A	
7	Idellewela	Ga/AS/De/01	1947	ID	L/2(4.9x2.5)	see under 9	Agriculture	Dee-Eli Oya	965 Acres	paddy	N/A	wate gate	3.42'x3.42'	24.8	4.33'x5.12'	24.8	FO	ID	N/A	
8	Punchimaliya	Ga/AS/Ur/01	1969	ID	N/A	see under 9	Agriculture	Uruwal Oya	18 Acres	paddy	N/A	wate gate	none	N/A	2' dia.	3.5	FO	ID	N/A	
9	Paulu Amuna	Ga/AS/Ur/02	not functioning	ID	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	Maguruwalpitiya	Ga/AS/Ur/03	1972	ID	N/A	see under 9	Agriculture	Uruwal Oya	100Acres	paddy	N/A	water gate	1no 1.25' dia.	5.5	2no 2' dia.	5.5	FO	ID	N/A	
11	Welikada	Ga/AS/Ur/04	1948	ID	L/2(1.55x1.3)	see under 9	Agriculture	Uruwal Oya	1200 Acres	paddy	N/A	water gate	2 no 2' dia	12	2 no 2' dia	12	FO	ID	N/A	
12	Bogahapitiya	Ga/AS/Ur/05	1968	ID	N/A	see under 9	Agriculture	Uruwal Oya	40 Acres	paddy	N/A	water gate	0.75 dia, 75' u/s	16.5	2.5' dia, 500' u/s	17	FO	ID	N/A	
13	Orutota Galwetiya	Ga/AS/Ur/06	1950	ID	N/A	see under 9	Agriculture	Uruwal Oya	150 Acres	paddy	N/A	water gate	N/A	N/A	3.5'*1'	23	FO	ID	N/A	
14	Keenigas Pillawe	Ga/AS/Ur/07	1973	ID	N/A	N/A	Agriculture	Uruwal Oya	220 Acres	paddy	N/A	water gate	2 no 0.75' dia	N/A	2 no 0.75' dia	N/A	FO	ID	N/A	

FO - Farmer Organisation
N/A - Not Available (or applicable)

TABLE 4 GAMPAHA DIVISION - FLOOD CONTROL KELANI RIGHT BANK

	Scheme	1.Serial no of station	2.Established		3.Location of intake point	4.Details of intake structure			5.Protection		Remarks
			Year	By	Address	Type of control	Dimensions (W x H)	Sill elevation ft.aMSL	El. Ft. aMSL	Area Acres	
1	Hakitte	Ga/FC/Ke/01	N/A	ID	N/A	Radial gates	3 no 15' x 9'	0	7' - 9'	N/A	N/A
2	Wattela bund	Ga/FC/Ke/02	N/A	ID	N/A	Lifting gates	4 No 4'6" x 7'	N/A	9.0'	N/A	N/A
3	Oliyamulla / Telengepatha	Ga/FC/Ke/03	N/A	ID	N/A	Lifting gates	2 Nos 4' 6" x 7'	N/A	N/A	N/A	See Note ¹
4	Paliyagoda pumping station	Ga/FC/Ke/04	N/A	ID	N/A	Lifting gates (4' x9')	1 No 13'6" dia.	N/A	N/A	N/A	See Note ²
5	Pethiyagoda	Ga/FC/Ke/05	N/A	ID	N/A	Lifting gate	1 No 4' x 5.2'	N/A	16.7	N/A	N/A
6	Talawatte	Ga/FC/Ke/06	N/A	ID	L/7(0.65x0.75)	Flap gates- cast iron	3 no - 3' dia.	N/A	16.5	300	N/A
7	Nagahamula	Ga/FC/Ke/07	N/A	ID	L/70.61x0.55)	Flap gate - wooden	1 no - 3.5'x2.5'	N/A	16.5	23	N/A
8	Pattiwila	Ga/FC/Ke/08	N/A	ID	L/7(2.05x0.10)	Flap gates- cast iron	4 no - 1.5' dia	N/A	17	275	N/A
9	Rakgahawatte	Ga/FC/Ke/09	N/A	ID	L/12(2.95x8.55)	N/A	6 no - 4.5'x5.5'	N/A	N/A	N/A	Under reconstruction
10	Kekulu Oya	Ga/FC/Ke/10	N/A	ID	L/7(3.10x0.30)	Lifting gates - wooden	3 no - 3'x4'	N/A	20	186	N/A
11	Yabalaruwa	Ga/FC/Ke/11	N/A	ID	L/7(4.90x0.20)	Flap gates- cast iron	3 no - 3' dia.	N/A	20	198	N/A
12	Pahuru Oya	Ga/FC/Ke/12	N/A	ID	L/7(6.10x0.30)	Flap gates - wooden	6 no 4'x5'	N/A	21.5	1589	N/A

Notes

¹ Accross the main Negombo road; so protection level is very high. This is a drainage canal and during high floods of Kelani the gate is closed. There has been a pump house earlier but is not functioning now.

² Similar to Ohiyamulla; but the pumping station is functioning. Maintained by SLLRDC.

N/A - Not Available (or applicable)

**TABLE 5 COLOMBO DIVISION - FLOOD CONTROL KELANI LEFT BANK
- SALT WATER EXCLUSION SCHEMES**

FLOOD CONTROL KELANI LEFT BANK

Scheme	1.Serial no of station	2.Established		3.Location of intake point		4.Details of intake structure			5.Protection		Remarks
		Year	By	Address	Type of control	Dimensions (W x H)	Sill elevation ft.aMSL	El. Ft. aMSL	Area Acres		
13	North lock	Co/Fc/Ke/1	1924/30	ID	N/A	Lock gates with extension	16' x 18'	- 6	+12 to +16	4000	See Note ¹
14	Grandpass	Co/Fc/Ke/2	1924/30	ID	N/A	Flap gates	2 nos 6'x5'	- 6	5	30	See Note ²
15	Sedewatte	Co/Fc/Ke/3	1924/30	ID	N/A	Flap gates	10 no 5'x4'	- 4.11	7	~ 2000	See Note ³
16	new Kelenimulle	Co/Fc/Ke/4	~1960	ID	N/A	Lifting gates	2 No 5' x 5.5'	~ 0	15	N/A	N/A
17	Jemawatte	Co/Fc/Ke/5	1994	ID	N/A	Flap gates (H A) 3' x 3'	1 No 2.5 0	N/A	N/A	N/A	N/A
18	new Nirmawila	Co/Fc/Ke/6	~1960	ID	N/A	Lifting gates	2 No 5' x 5'	+2	N/A	N/A	N/A
19	Talangama	Co/Fc/Ke/7	1924/30	ID	N/A	Bund only	No gates	N/A	18	N/A	bund only
20	Ambetale	Co/Fc/Ke/8	1924/30	ID	N/A	Flap gates	4 no 5'x4'	N/A	17	1500	See Note ⁴
21	Weliwita	Co/Fc/Ke/9	1924/30	ID	N/A	Flap gates 2 No. 5' x 5', 1 No. 3' x 3'	02 Nos 4' dia + 1 No. 2' dia.	N/A	17.5	574	N/A
22	Hewagama	Co/Fc/Ke/10	1924/30	ID	N/A	Flap gates 2 Nos. 4' x 4.5'	3' x 3' 6"	N/A	18.5	150	N/A
23	Bomiriya	Co/Fc/Ke/11	1924/30	ID	N/A	Flap gates	8 no 5'x4'	N/A	18.5	3000	N/A
24	Rada Ele	Co/Fc/Ke/12	1924/30	ID	N/A	Flap gates	1 no 1' dia.	N/A	18.5	50	N/A
25	Undugoda	Co/Fc/Ke/13	1924/30	ID	N/A	Lifting gates	2 no ?	N/A	19.5	105	N/A

Notes

¹ 2 No 10' x 19' lock gates (vertical) to give an effective opening of 16' x 18'

² Is across side canal falling to St. Sebastian canal and is to prevent local innundation.

³ 2 rows of 5 flap gates with horizontal axis. Approximately 2000 areas of paddy field & garden

⁴ 2 rows of 2 falp gates each with Horizontal axis

SALT WATER EXCLUSION SCHEMES

Scheme	Serial no of station	2.Established		3.Location of intake point		4.Details of intake structure			5.Protection		Remarks
		Year	By	Address	Type of control	Dimensions	Sill elevation m.aMSL	El. m. aMSL	Area Acres		
26	Thumbowila	Co/SWE/1	~1950 renov. 85/87	ID	co-ordinatesL/11(11.8x0.24)	6 no Gates lifting	1.5mx1.2m	-0.6 m	1m	65	N/A
27	Attidiya	Co/SWE/2	~1950 renov. 85/87	ID	N/A	6 no Gates lifting	1.8mx1.8m	- 0.6m	1.2m	600	N/A

N/A - Not Available (or applicable)

**TABLE 6 COLOMBO DIVISION - IRRIGATION RESERVOIR SCHEMES
- IRRIGATION ANICUT SCHEMES**

IRRIGATION RESERVOIR SCHEMES

Scheme	1.Serial no of station	2.Established		3.Location of intake point	4.Main purpose of water use	5.Source of water	6.Area covered		7.Amount of water taken	8.Method of intake	9.Details of intake structure			10.Status of water use right	11.Govt. agency in charge of	12.Water quality
		Year	By				Area Acres	Crop			Type of control	Dimensions	Sill elevation m.aMSL			
28 Talangama Tank	Co/RS/1	1996/97	ID	see plan	Agriculture	Local catchment	200	paddy	N/A	water gate	Lifting gate	1 no 0.3m dia	4.35	FO	ID	N/A
29 Boralasgamuwa Tank	Co/RS/2	N/A	ID	see plan	do	do	200	paddy	N/A	do	Lifting gate	1 no 0.225m dia & 1 no 0.45m dia	4.25 & 4.25	FO	ID	N/A
30 Kesbewa	Co/RS/3	N/A	ID	see plan	do	do	N/A	paddy	N/A	do	N/A	N/A	N/A	FO	ID	N/A

IRRIGATION ANICUT SCHEMES

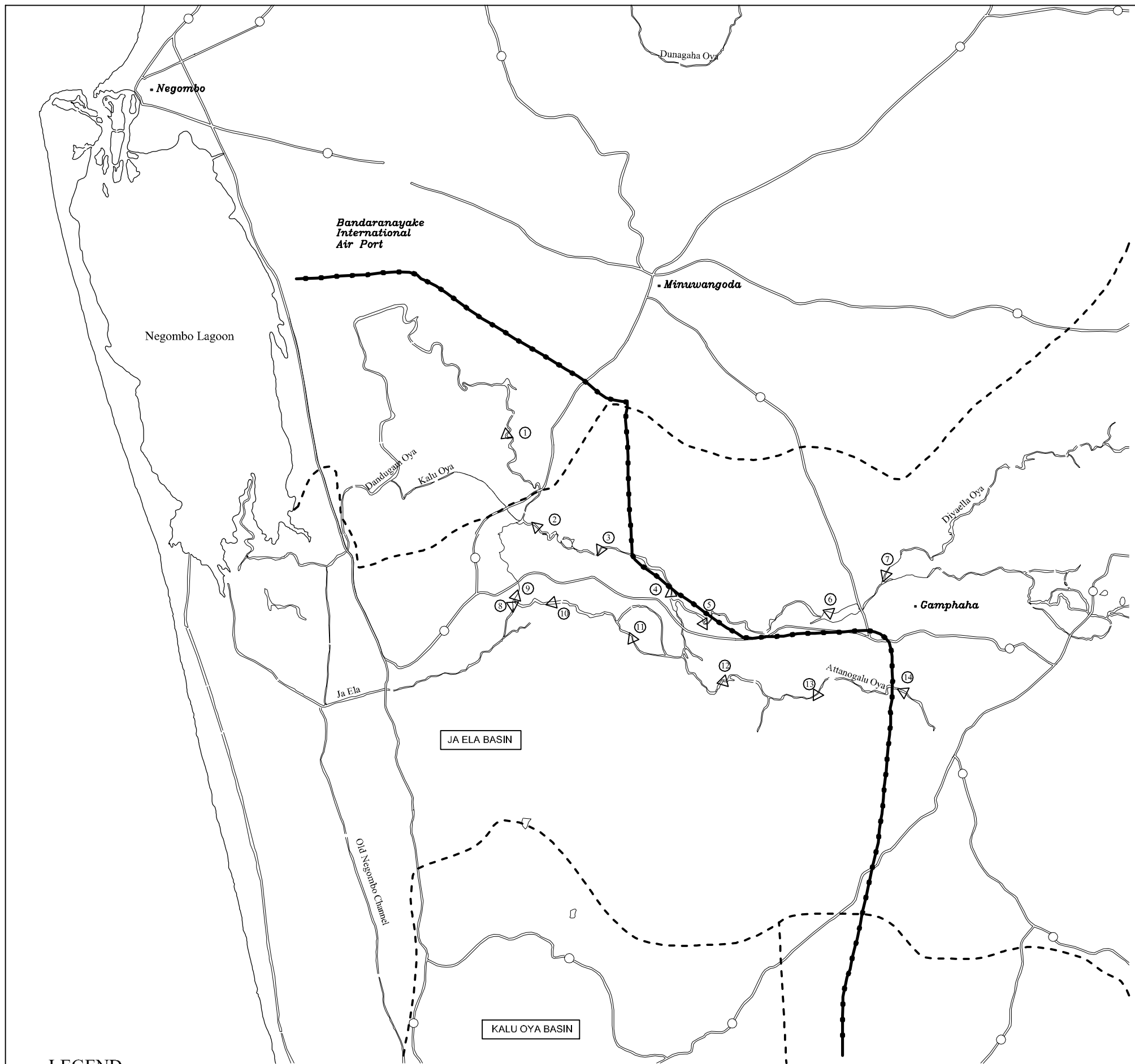
Scheme	Serial no of station	2.Established		3.Location of intake point	4.Main purpose of water use	5.Source of water	6.Area covered		7.Amount of water taken	8.Method of intake	9.Details of intake structure			10.Status of water use right	agency in charge of water use	12.Water quality
		Year	By				Area Acres	Crop			Type of control	Dimensions	Sill elevation m.aMSL			
31 Gal Amuna	Co/AS/1	N/A	ASD	see plan	Agriculture	Local catchment	30	paddy	N/A	N/A	N/A	N/A	N/A	FO	ASD	N/A
32 Diyagama	Co/AS/2	N/A	ASD	see plan	do	do	45	paddy	N/A	N/A	N/A	N/A	N/A	FO	ASD	N/A
33 Tunhiriyaya	Co/AS/3	N/A	ASD	see plan	do	do	55	paddy	N/A	N/A	N/A	N/A	N/A	FO	ASD	N/A

FO - Farmer Organisation
N/A- Not Available (or applicable)

TABLE 7 KALUTARA DIVISION - IRRIGATION ANICUT SCHEMES

Scheme	1.Serial no of station	2.Established		3.Location of intake point Address	4.Details of intake structure				5.Area Acres
		Year	By		Type of control/No of bays	Dimensions	Sill El. m aMSL	Crest El. Ft. m MSL	
Cheenagahawita Amuna	Ka/As/1	N/A	ID	L/17(8.50x4.90)	3 nos	N/A	N/A	N/A	60
Ambelankande Amuna	Ka/As/2	N/A	ID	L/18(0.10x5.65)	2 nos	N/A	N/A	N/A	250
Gonadola Amuna no 1	Ka/As/3	N/A	ID	L/17(6.00x4.60)	1 no	N/A	N/A	N/A	18
Gonadola Amuna no 2	Ka/As/4	N/A	ID	L/17(5.90x4.00)	1 no	N/A	N/A	N/A	7
Haliwel Yaya Anicut	Ka/As/5	N/A	ID	L/17(6.20x4.15)	1 no	N/A	N/A	N/A	55
Yakwala Yaya Anicut	Ka/As/6	N/A	ID	L/17(6.45x3.75)	1 no	N/A	N/A	N/A	50
Pinwala Ela Amuna	Ka/As/7	N/A	ID	L/17(7.35x2.00)	2 nos	N/A	N/A	N/A	60
Dingawela Amuna	Ka/As/8	N/A	ID	L/17(7.70x2.30)	2 nos	N/A	N/A	N/A	60
Delowita Anicut	Ka/As/9	1959/89	ID	L/17(4.95x5.00)	4 nos	N/A	100.0 R.L.	94.75 R.L.	74
Galkumbura Amuna	Ka/As/10	N/A	ID	L/17(7.60x2.80)	1 no	N/A	N/A	N/A	28
Dingawela Amuna	Ka/As/11	N/A	ID	L/17(7.60x2.50)	1 no	N/A	N/A	N/A	30
Gorokkumura Amuna	Ka/As/12	N/A	ID	L/17(8.882.10)	2 nos	N/A	N/A	N/A	40
Thatipota Amuna	Ka/As/13	N/A	ID	L/17(8.70x2.25)	1 no	N/A	N/A	N/A	20
Hondawila Amuna	Ka/As/14	N/A	ID	L/17(8.90x2.50)	1 no	N/A	N/A	N/A	25
Meepagala Amuna	Ka/As/15	N/A	ID	L/17(7.20x5.80)	1 no	N/A	N/A	N/A	20
Pinwala kulupana Amuna	Ka/As/16	N/A	ID	L/17(8.00x2.70)	3 nos	N/A	97.20 R.L.	97.20 R.L.	75
Pinwala Amuna	Ka/As/17	N/A	ID	L/17(8.20x3.40)	2 nos	N/A	N/A	N/A	150
Arachchi wagura Amuna	Ka/As/18	N/A	ID	L/17(3.40x4.80)	4 nos	N/A	N/A	N/A	80
Hewapanguwa Amuna	Ka/As/19	N/A	ID	L/17(4.50x4.30)	1 no	N/A	N/A	N/A	50
Walmilla Amuna	Ka/As/20	N/A	ID	L/17(3.50x4.60)	1 no	N/A	N/A	N/A	40
Olabotuwa maha Amuna	Ka/As/21	N/A	ID	L/17(6.60x5.95)	5 nos	N/A	N/A	N/A	100
Pinliyadde Amuna	Ka/As/22	N/A	ID	L/17(6.90x5.95)	1 no	N/A	N/A	N/A	20
Olabotuwa Anicut	Ka/As/23	N/A	ID	L/17(6.72*5.80)	5 nos	N/A	N/A	N/A	98
Katugahakumbura Anicut	Ka/As/24	N/A	ID	L/17(7.90x6.65)	3 nos	N/A	93.5 R.L.	98.5 R.L.	38
Pinwala ela Anicut	Ka/As/25	N/A	ID	L/17(7.10x1.70)	4 nos	N/A	N/A	N/A	88.5
Panape ela Anicut	Ka/As/26	N/A	ID	L/17(5.95x0.81)	4 nos	N/A	N/A	N/A	259
Welikala Anicut	Ka/As/27	N/A	ID	L/17(7.50x1.80)	4 nos	N/A	N/A	N/A	98
Samadarawa ela Anicut	Ka/As/28	N/A	ID	L/22(4.55x7.70)	2 nos	N/A	N/A	N/A	100
Pethigamuwa Anicut	Ka/As/29	N/A	ID	L/22(8.46x7.80)	3 nos	N/A	N/A	N/A	80
Achariya wagura Anicut	Ka/As/30	N/A	ID	L/17(3.83x4.66)	N/A	N/A	N/A	N/A	100
Haltota Anicut	Ka/As/31	N/A	ID	L/17(6.40x0.74)	3 nos	N/A	N/A	N/A	240
Pahalawelyaya Anicut	Ka/As/32	N/A	ID	L/22(5.85x5.45)	2 nos	N/A	N/A	N/A	100
Medekumbura Anicut	Ka/As/33	N/A	ID	L/22(6.85x5.45)	1 no	N/A	N/A	N/A	40
Arakagoda Anicut	Ka/As/34	N/A	ID	L/22(6.15x8.35)	2 nos	N/A	N/A	N/A	150
Rammanika Anicut	Ka/As/35	N/A	ID	L/22(5.90x8.45)	2 nos	N/A	N/A	N/A	160
Liyanagoda Anicut	Ka/As/36	N/A	ID	L/22(4.30x6.80)	N/A	N/A	N/A	N/A	100
Kennantuduwa pahala Amuna	Ka/As/37	N/A	ID	L/22(6.55x8.20)	2 nos	N/A	N/A	N/A	150
Kennantuduwa Amuna	Ka/As/38	N/A	ID	L/22(6.50x8.25)	2 nos	N/A	N/A	N/A	160

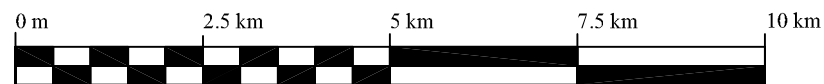
N/A - Not Available (or applicable)




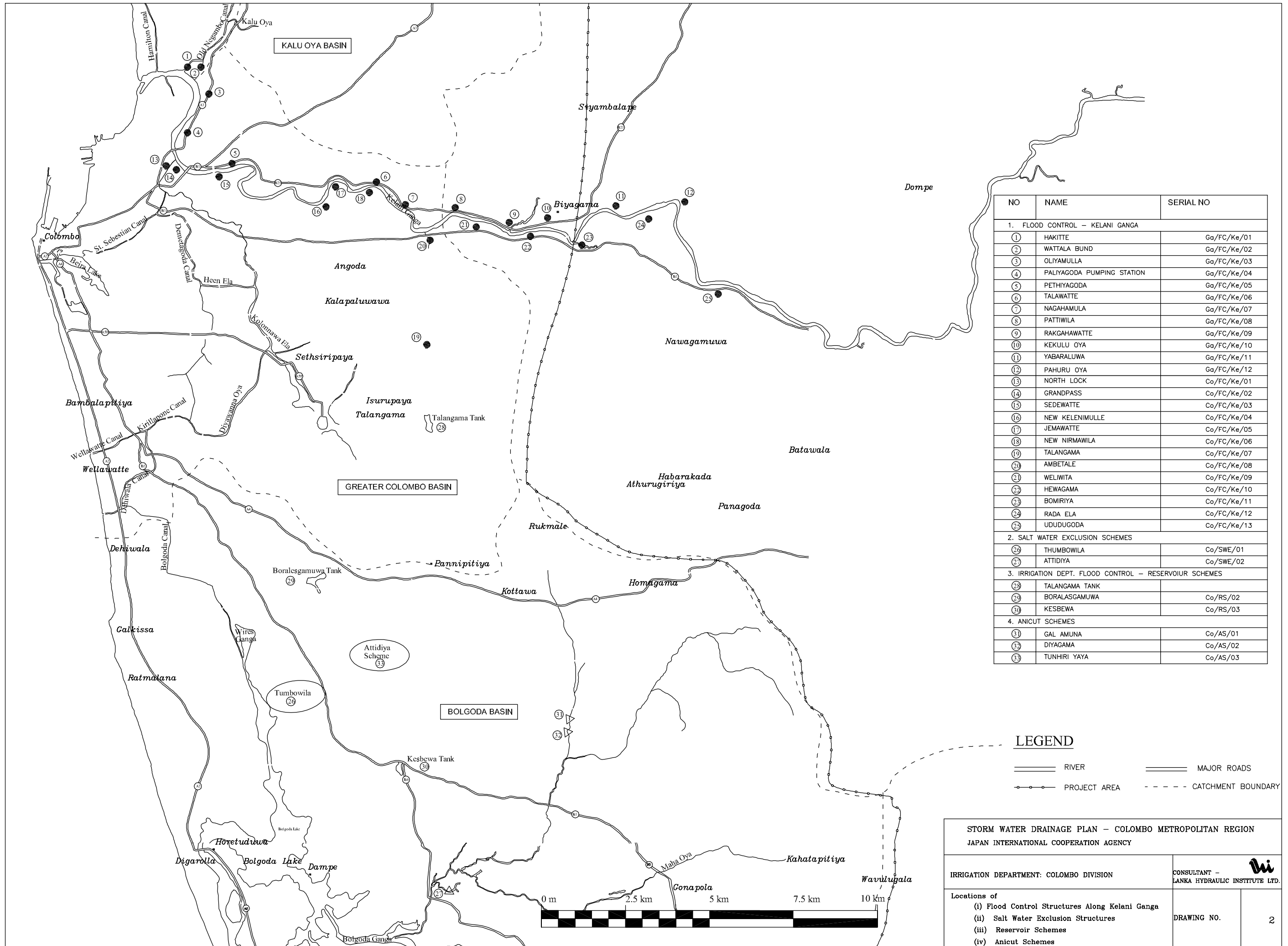
NO	NAME	SERIAL NO
Irrigation Anicut Structures		
①	OPATHA	Ga/AS/At/01
②	KOTUGODA	Ga/AS/At/02
③	GALWETIYA	Ga/AS/At/03
④	KAUDANGAHA(Spillway)	Ga/AS/At/04
⑤	TAMMITA	Ga/AS/At/05
⑥	ALUTHHELA GALWANA	Ga/AS/At/06
⑦	IDELLAWALA	Ga/AS/De/01
⑧	PUNCHIMAEIYA	Ga/AS/Ur/01
⑨	PAULU SEEYAGE	Ga/AS/Ur/02
⑩	MAGURUWALPITIYA	Ga/AS/Ur/03
⑪	WELIKADA	Ga/AS/Ur/04
⑫	BOGAHAPITIYA	Ga/AS/Ur/05
⑬	ORUTOTA GALWETIYA	Ga/AS/Ur/06
⑭	KEENAGAHA PILLAWA	Ga/AS/Ur/07

LEGEND

- RIVER
- CATCHMENT BOUNDARY
- PROJECT AREA
- MAJOR ROADS



STORM WATER DRAINAGE PLAN – COLOMBO METROPOLITAN REGION JAPAN INTERNATIONAL COOPERATION AGENCY	
IRRIGATION DEPARTMENT: GAMPAHA DIVISION	CONSULTANT –  LANKA HYDRAULIC INSTITUTE LTD.
Locations of Anicut Structures	DRAWING NO. 1



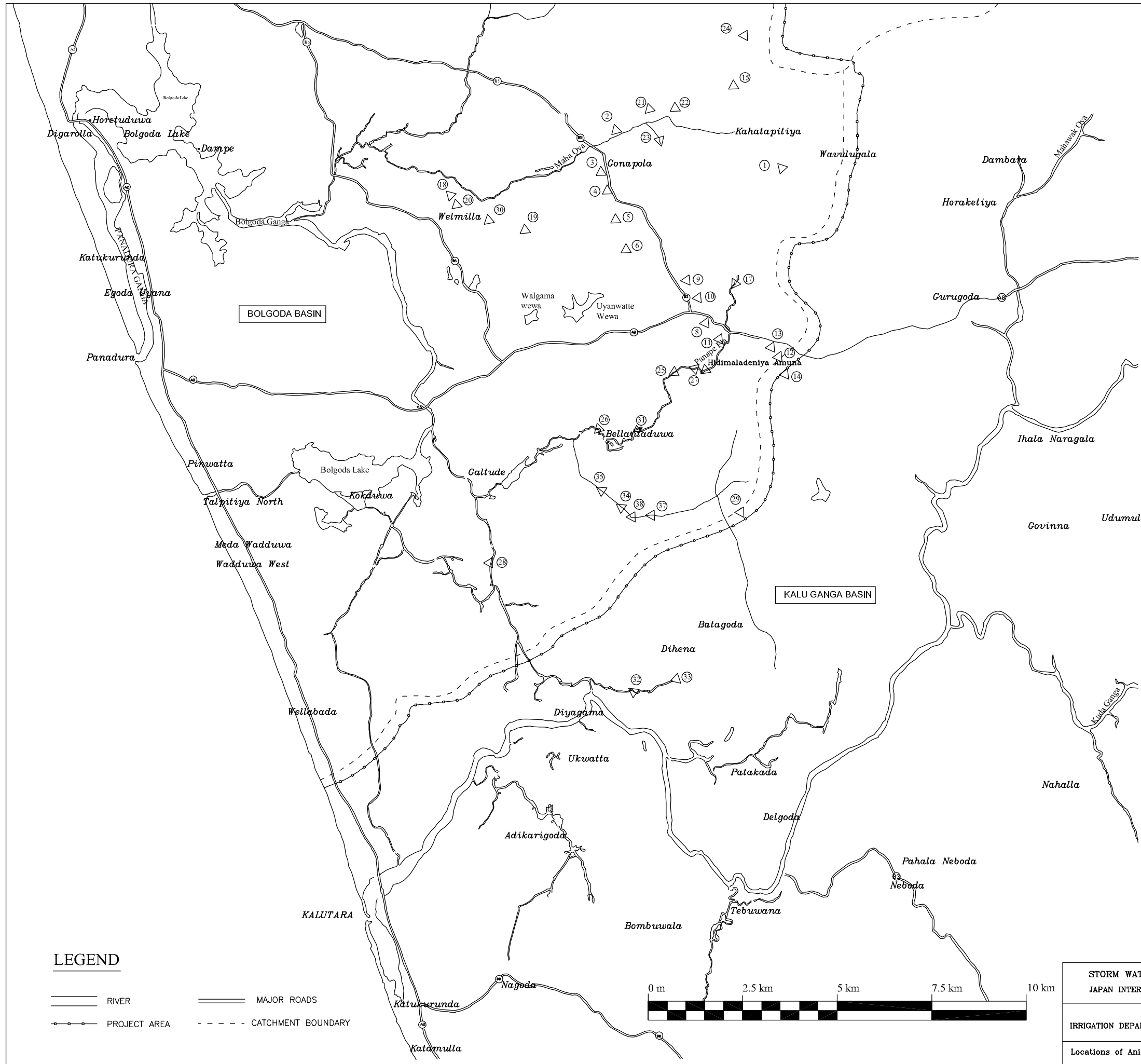
NO	NAME	SERIAL NO
1. FLOOD CONTROL - KELANI GANGA		
①	HAKITTE	Ga/FC/Ke/01
②	WATTALA BUND	Ga/FC/Ke/02
③	OLYAMULLA	Ga/FC/Ke/03
④	PALİYAGODA PUMPING STATION	Ga/FC/Ke/04
⑤	PETHIYAGODA	Ga/FC/Ke/05
⑥	TALAWATTE	Ga/FC/Ke/06
⑦	NAGAHAMULA	Ga/FC/Ke/07
⑧	PATTIWILA	Ga/FC/Ke/08
⑨	RAKGAHAWATTE	Ga/FC/Ke/09
⑩	KEKULU OYA	Ga/FC/Ke/10
⑪	YABARALUWA	Ga/FC/Ke/11
⑫	PAHURU OYA	Ga/FC/Ke/12
⑬	NORTH LOCK	Co/FC/Ke/01
⑭	GRANDPASS	Co/FC/Ke/02
⑮	SEDEWATTE	Co/FC/Ke/03
⑯	NEW KELENIMULLE	Co/FC/Ke/04
⑰	JEMAWATTE	Co/FC/Ke/05
⑱	NEW NIRMAWILA	Co/FC/Ke/06
⑲	TALANGAMA	Co/FC/Ke/07
⑳	AMBETALE	Co/FC/Ke/08
㉑	WELIWITA	Co/FC/Ke/09
㉒	HEWAGAMA	Co/FC/Ke/10
㉓	BOMIRIYA	Co/FC/Ke/11
㉔	RADA ELA	Co/FC/Ke/12
㉕	UDUDUGODA	Co/FC/Ke/13
2. SALT WATER EXCLUSION SCHEMES		
㉖	THUMBOWILA	Co/SWE/01
㉗	ATTIDIYA	Co/SWE/02
3. IRRIGATION DEPT. FLOOD CONTROL - RESERVOIR SCHEMES		
㉘	TALANGAMA TANK	
㉙	BORALASGAMUWA	Co/RS/02
㉚	KESBEWA	Co/RS/03
4. ANICUT SCHEMES		
㉛	GAL AMUNA	Co/AS/01
㉜	DIYAGAMA	Co/AS/02
㉝	TUNHIRI YAYA	Co/AS/03

LEGEND

- RIVER
- MAJOR ROADS
- PROJECT AREA
- - - - CATCHMENT BOUNDARY

STORM WATER DRAINAGE PLAN - COLOMBO METROPOLITAN REGION
 JAPAN INTERNATIONAL COOPERATION AGENCY

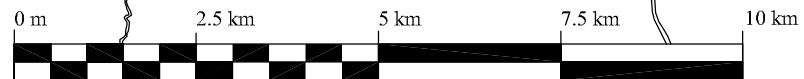
IRRIGATION DEPARTMENT: COLOMBO DIVISION	CONSULTANT - LANKA HYDRAULIC INSTITUTE LTD.
Locations of (i) Flood Control Structures Along Kelani Ganga (ii) Salt Water Exclusion Structures (iii) Reservoir Schemes (iv) Anicut Schemes	DRAWING NO. 2



NO	NAME	SERIAL NO
Irrigation Anicut Structures		
①	CHEENAGAHAWITA	Ka/As/01
②	AMBELANKANDE AMUNA	Ka/As/02
③	GONADOLA AMUNA NO 1	Ka/As/03
④	GONADOLA AMUNA NO 2	Ka/As/04
⑤	HALIWEL YAYA ANICUT	Ka/As/05
⑥	YAKWALA YAYA ANICUT	Ka/As/06
⑦	PINWALA ELA AMUNA	Ka/As/07
⑧	DINGAWELA AMUNA	Ka/As/08
⑨	DELOWITA ANICUT	Ka/As/09
⑩	GALKUMBURA AMUNA	Ka/As/10
⑪	DINGAWELA AMUNA	Ka/As/11
⑫	GOROKKUMURA AMUNA	Ka/As/12
⑬	THATIPOTA AMUNA	Ka/As/13
⑭	HONDAWILA AMUNA	Ka/As/14
⑮	MEEPAGALA AMUNA	Ka/As/15
⑯	PINWALA KULUPANA AMUNA	Ka/As/16
⑰	PINWALA AMUNA	Ka/As/17
⑱	ARACHCHI WAGURA AMUNA	Ka/As/18
⑲	HEWAPANGUWA	Ka/As/19
⑳	WALMILLA AMUNA	Ka/As/20
㉑	OLABOLUWA MAHA AMUNA	Ka/As/21
㉒	PINLIYADDE AMUNA	Ka/As/22
㉓	OLABOTUWA ANICUT	Ka/As/23
㉔	KATUGAHAKUMBURA ANICUT	Ka/As/24
㉕	PINWALA ELA ANICUT	Ka/As/25
㉖	PANAPE ELA ANICUT	Ka/As/26
㉗	WELIKALA ANICUT	Ka/As/27
㉘	SAMADARAWA ELA ANICUT	Ka/As/28
㉙	PETHIGAMUWA ANICUT	Ka/As/29
㉚	ACHARIYA WAGURA ANICUT	Ka/As/30
㉛	HALTOTA ANICUT	Ka/As/31
㉜	PAHALAWELYAY ANICUT	Ka/As/32
㉝	MEDEKUMBURA ANICUT	Ka/As/33
㉞	ARAKAGODA ANICUT	Ka/As/34
㉟	RAMMANIKA ANICUT	Ka/As/35
㊱	LIYANAGODA ANICUT	Ka/As/36
㊲	KENNANTUDUWA PAHALA AMUNA	Ka/As/37
㊳	KENNANTUDUWA AMUNA	Ka/As/38

LEGEND

- RIVER
- MAJOR ROADS
- PROJECT AREA
- - - - CATCHMENT BOUNDARY



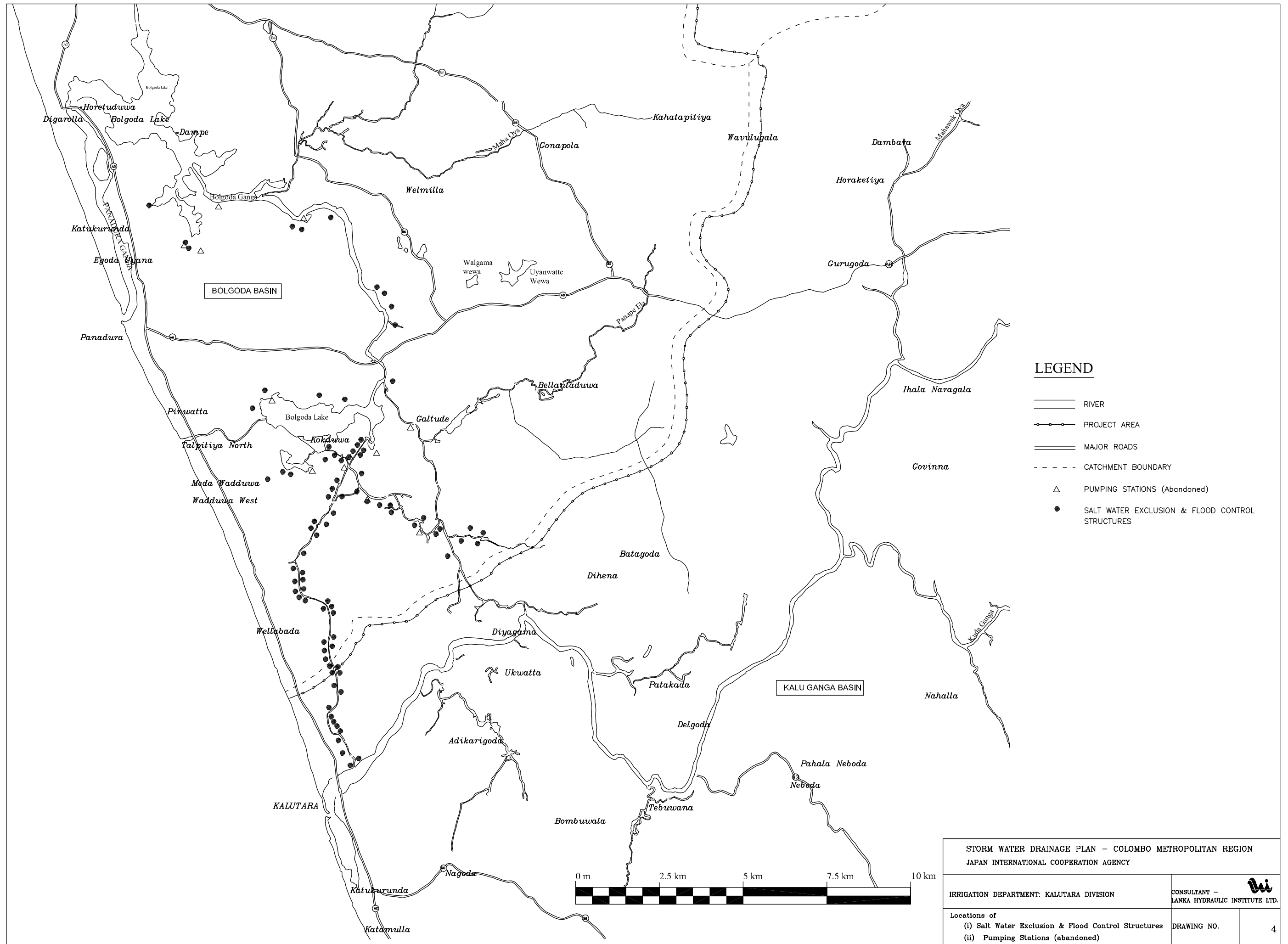
STORM WATER DRAINAGE PLAN – COLOMBO METROPOLITAN REGION
 JAPAN INTERNATIONAL COOPERATION AGENCY

IRRIGATION DEPARTMENT: KALUTARA DIVISION

Locations of Anicut Structures

CONSULTANT –
 LANKA HYDRAULIC INSTITUTE LTD.

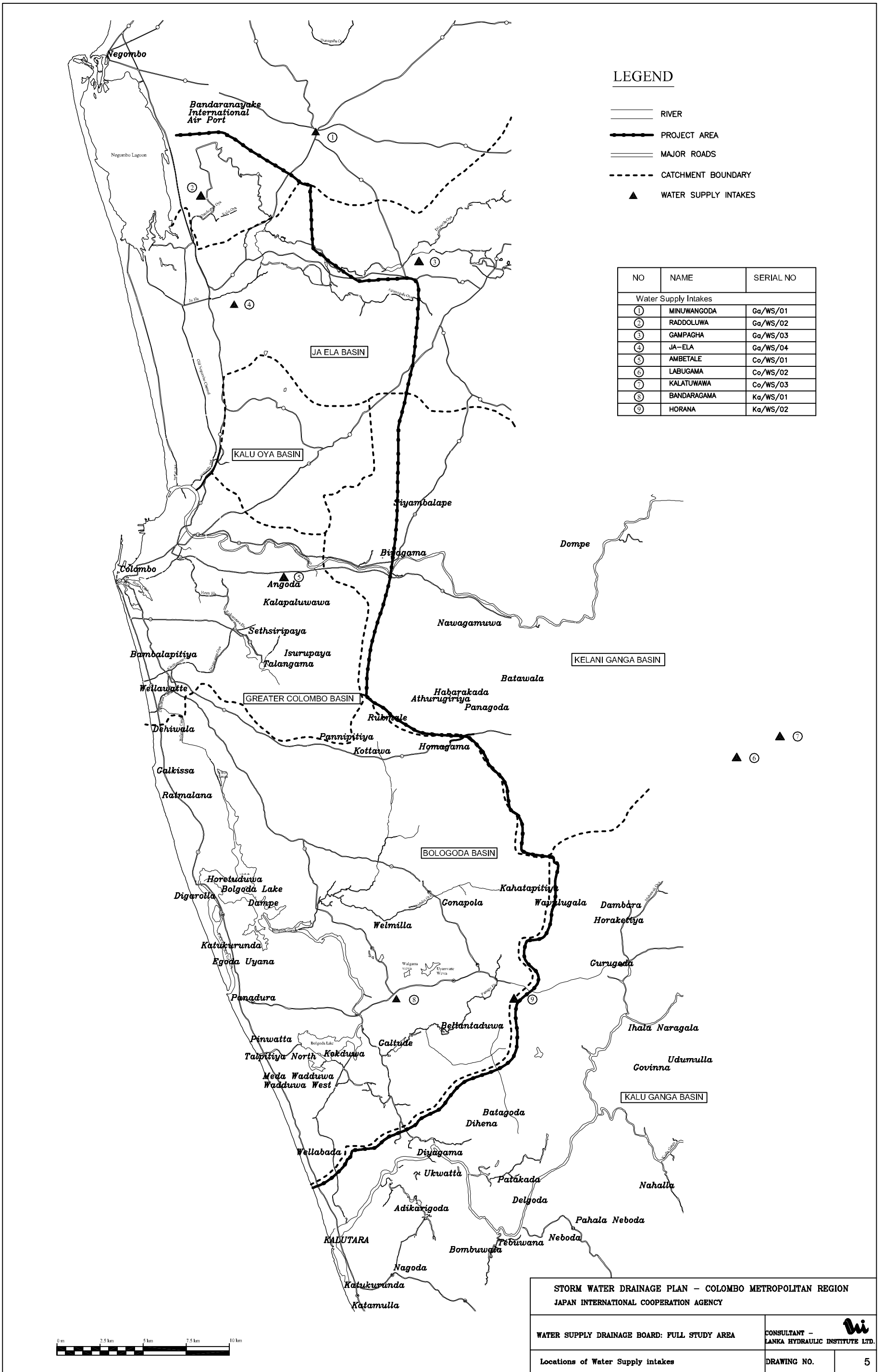
DRAWING NO. 3



LEGEND

- RIVER
- - - - PROJECT AREA
- ==== MAJOR ROADS
- - - - CATCHMENT BOUNDARY
- △ PUMPING STATIONS (Abandoned)
- SALT WATER EXCLUSION & FLOOD CONTROL STRUCTURES

STORM WATER DRAINAGE PLAN – COLOMBO METROPOLITAN REGION JAPAN INTERNATIONAL COOPERATION AGENCY		
IRRIGATION DEPARTMENT: KALUTARA DIVISION	CONSULTANT – LANKA HYDRAULIC INSTITUTE LTD.	
Locations of (i) Salt Water Exclusion & Flood Control Structures (ii) Pumping Stations (abandoned)	DRAWING NO.	4




LEGEND

- RIVER
- PROJECT AREA
- MAJOR ROADS
- - - - CATCHMENT BOUNDARY
- ▲ WATER SUPPLY INTAKES

NO	NAME	SERIAL NO
Water Supply Intakes		
①	MINUWANGODA	Ga/WS/01
②	RADDOLUWA	Ga/WS/02
③	GAMPAGHA	Ga/WS/03
④	JA-ELA	Ga/WS/04
⑤	AMBETALE	Co/WS/01
⑥	LABUGAMA	Co/WS/02
⑦	KALATUWAWA	Co/WS/03
⑧	BANDARAGAMA	Ka/WS/01
⑨	HORANA	Ka/WS/02

STORM WATER DRAINAGE PLAN - COLOMBO METROPOLITAN REGION
JAPAN INTERNATIONAL COOPERATION AGENCY

WATER SUPPLY DRAINAGE BOARD: FULL STUDY AREA

CONSULTANT -  LANKA HYDRAULIC INSTITUTE LTD.

Locations of Water Supply intakes

DRAWING NO.

5

