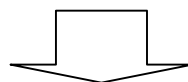
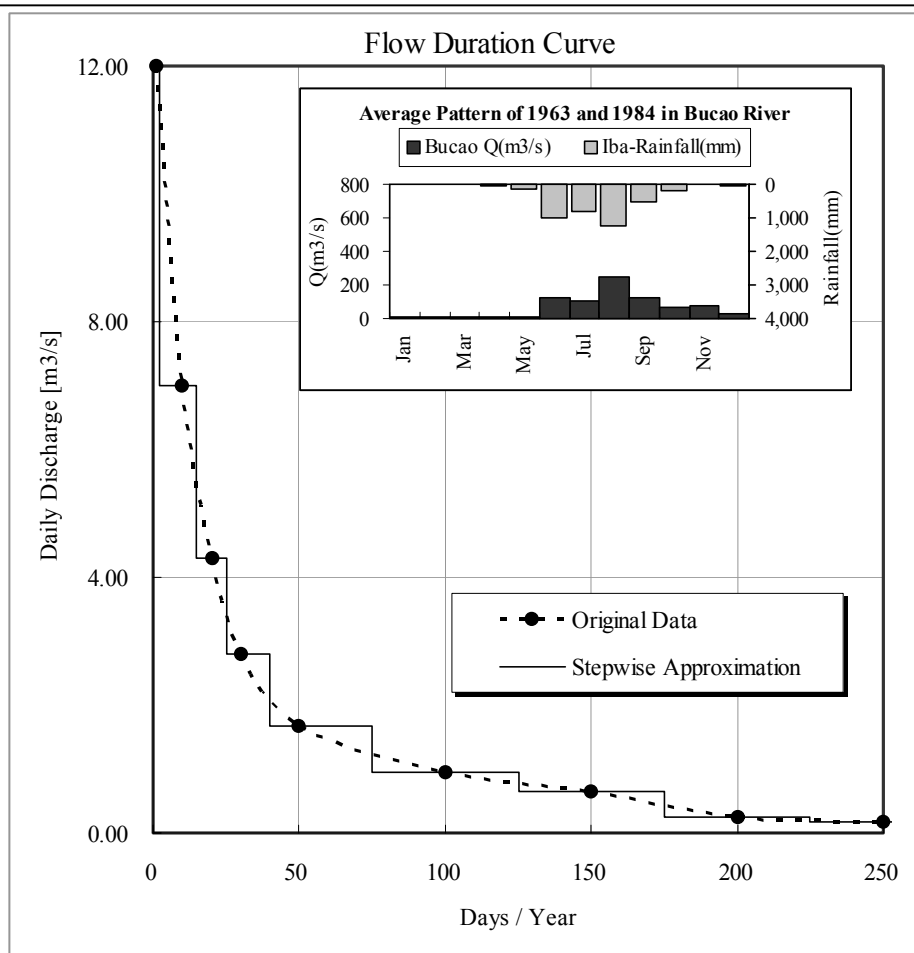
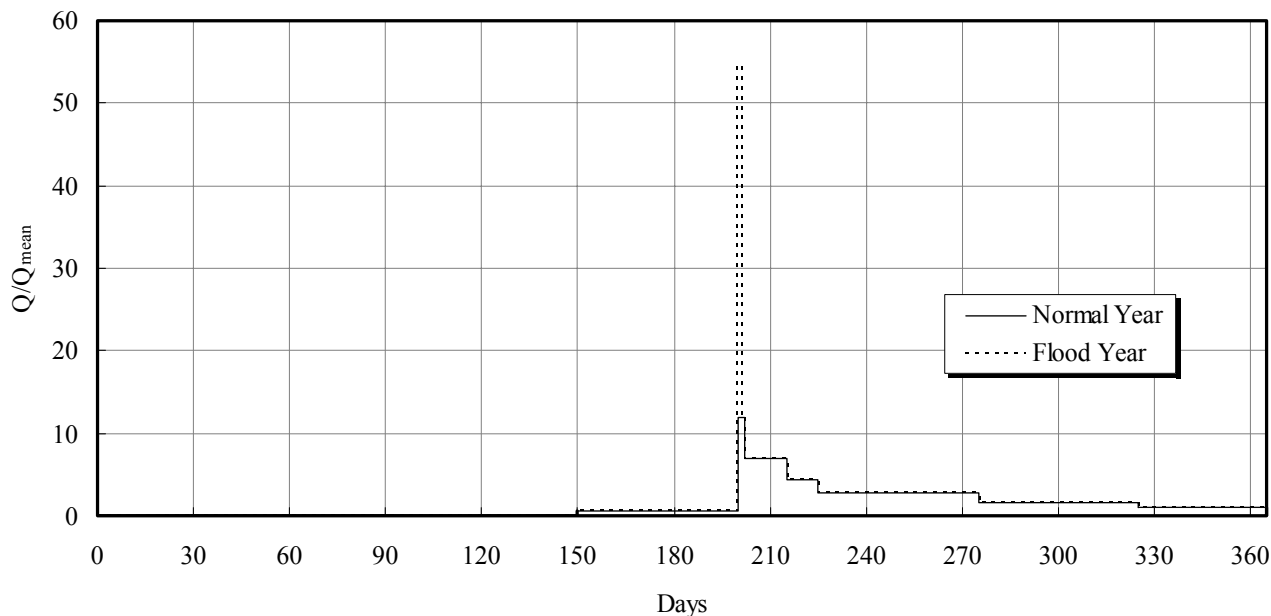


Stepwise Flow Duration

Days	Q/Q _{mean} (%)	
	PointQ	StepQ
0		11.99
1	11.99	11.99
2		11.99
2		6.99
10	6.99	6.99
15		6.99
15		4.31
20	4.31	4.31
25		4.31
25		2.80
30	2.80	2.80
40		2.80
40		1.67
50	1.67	1.67
75		1.67
75		0.96
100	0.96	0.96
125		0.96
125		0.66
150	0.66	0.66
175		0.66
175		0.25
200	0.25	0.25
225		0.25
225		0.17
250	0.17	0.17
275		0.17
275		0.13
365	0.13	0.13
365		0.00



Annual Hydrograph Pattern



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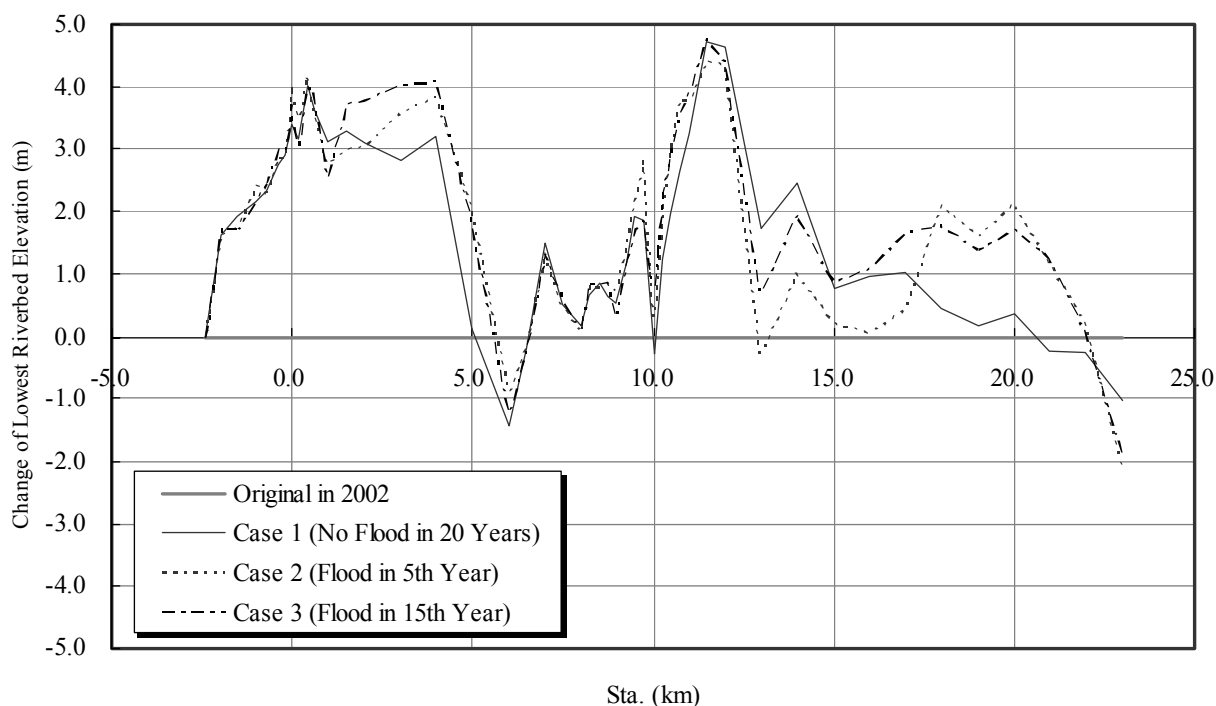
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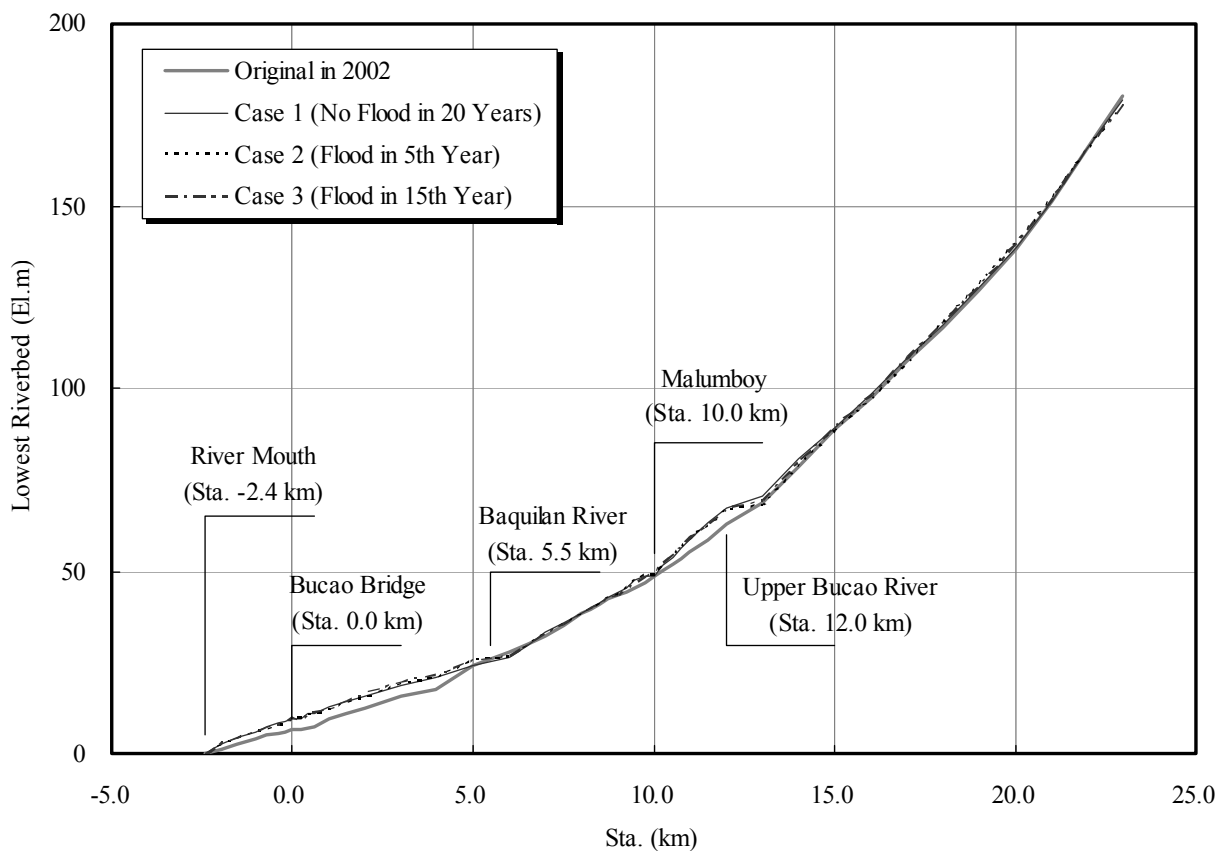
Figure 6.4.8

**Flow Duration Curve and Annual
Hydrograph Pattern for Simulation**

Riverbed Change in Bucao - Balin Baquero River after 20 Years



Riverbed Movement in Bucao - Balin Baquero River after 20 Years



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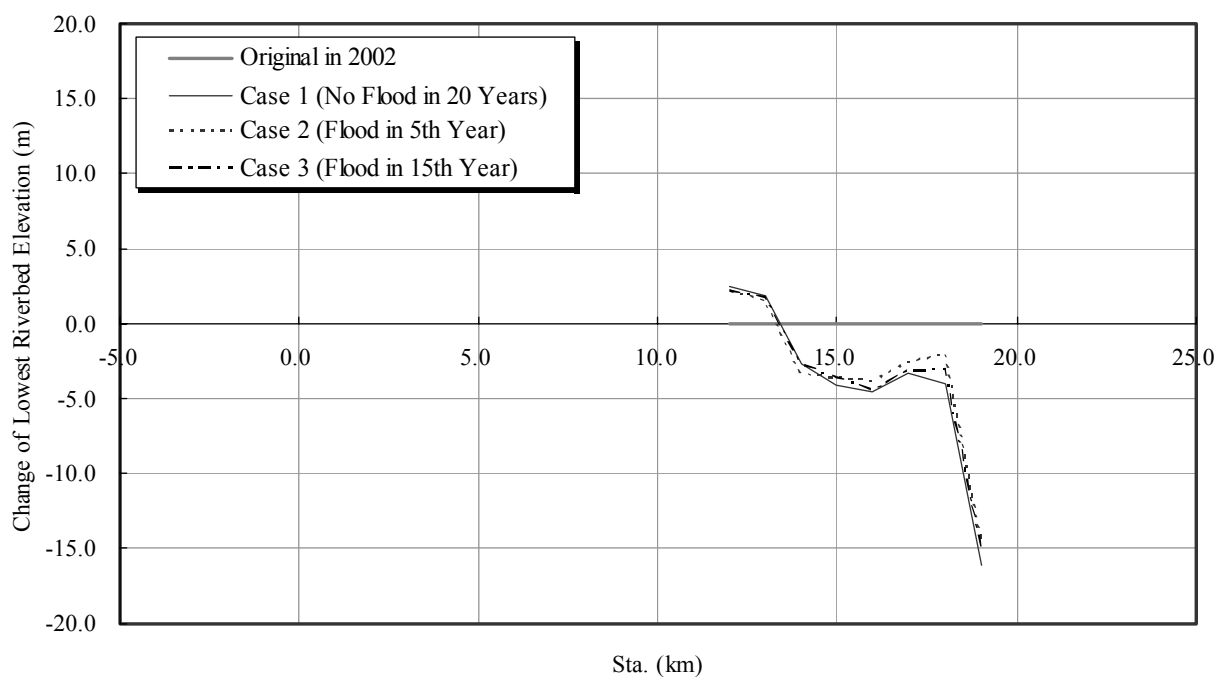
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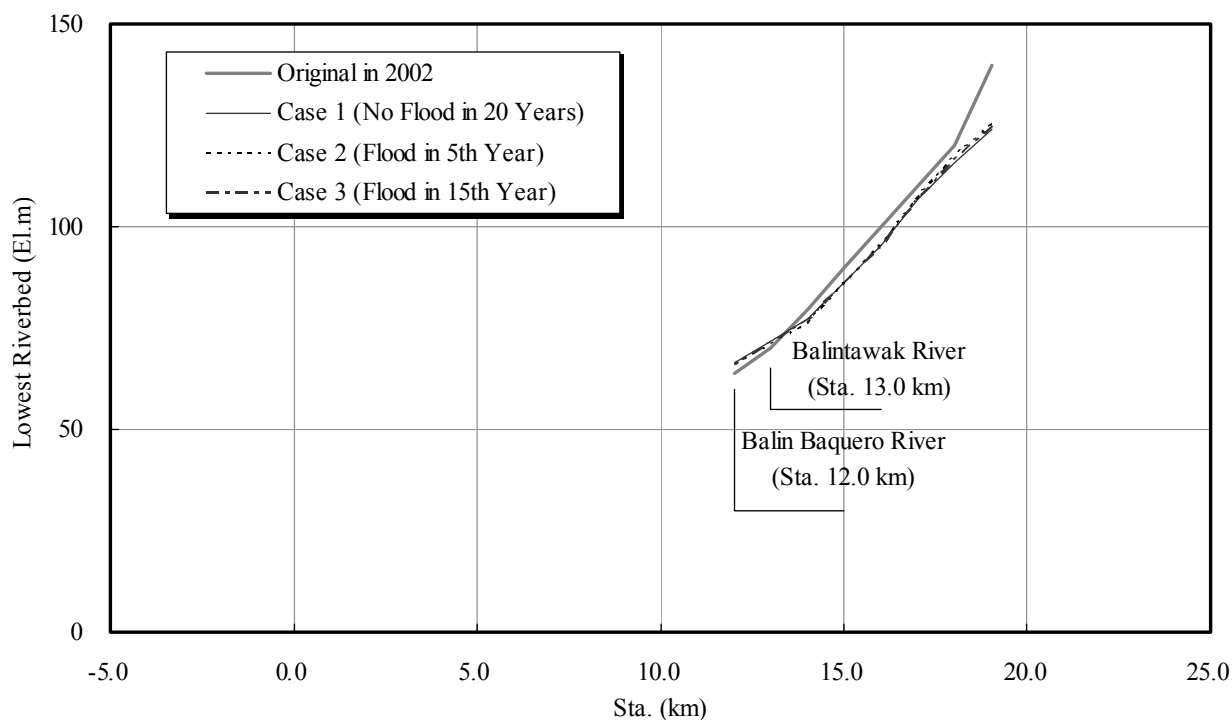
Figure 6.4.9

**Simulated Riverbed Movement for 20 Years in
the Bucao and Balin Baquero Rivers (under
Present Condition)**

Riverbed Change in Upper Bucao River after 20 years



Riverbed Movement in Upper Bucao River after 20 Years



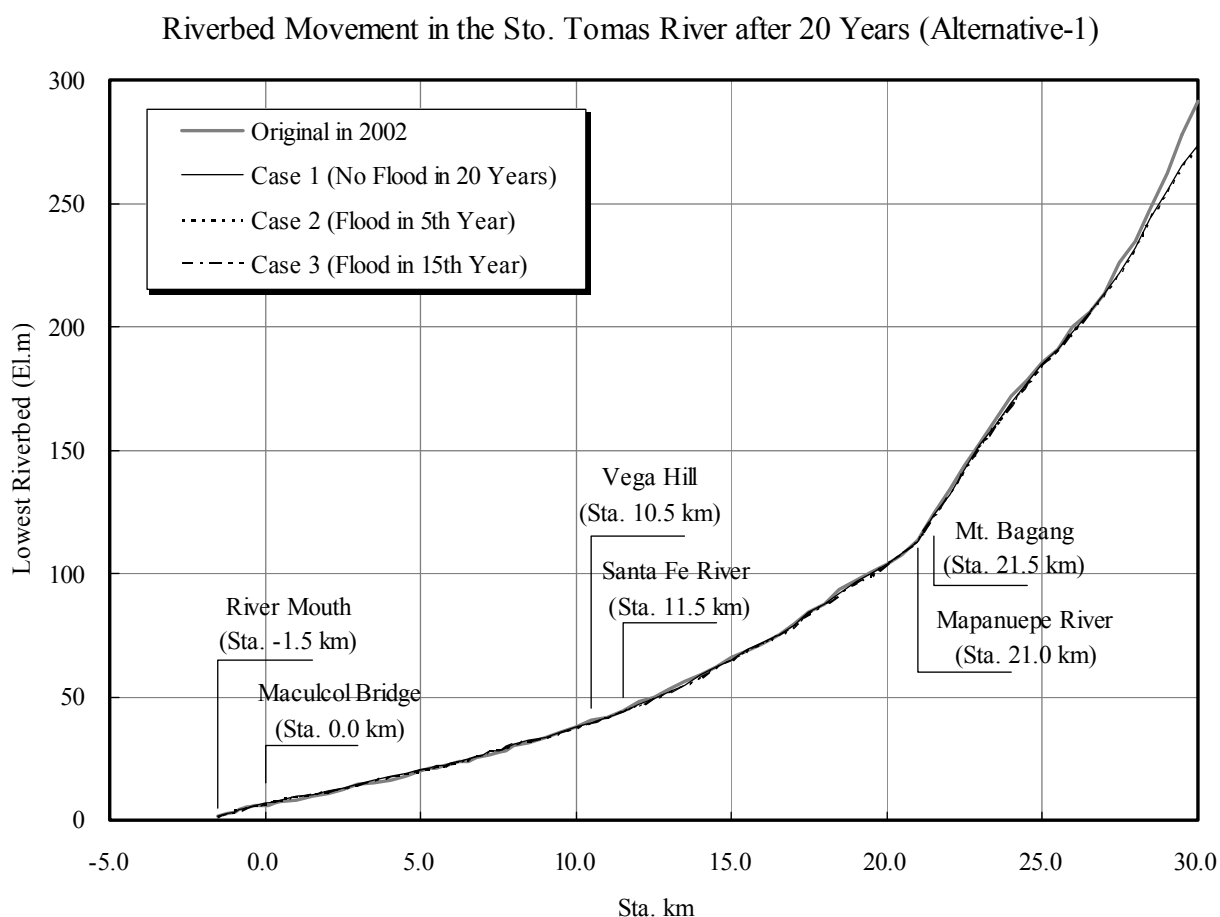
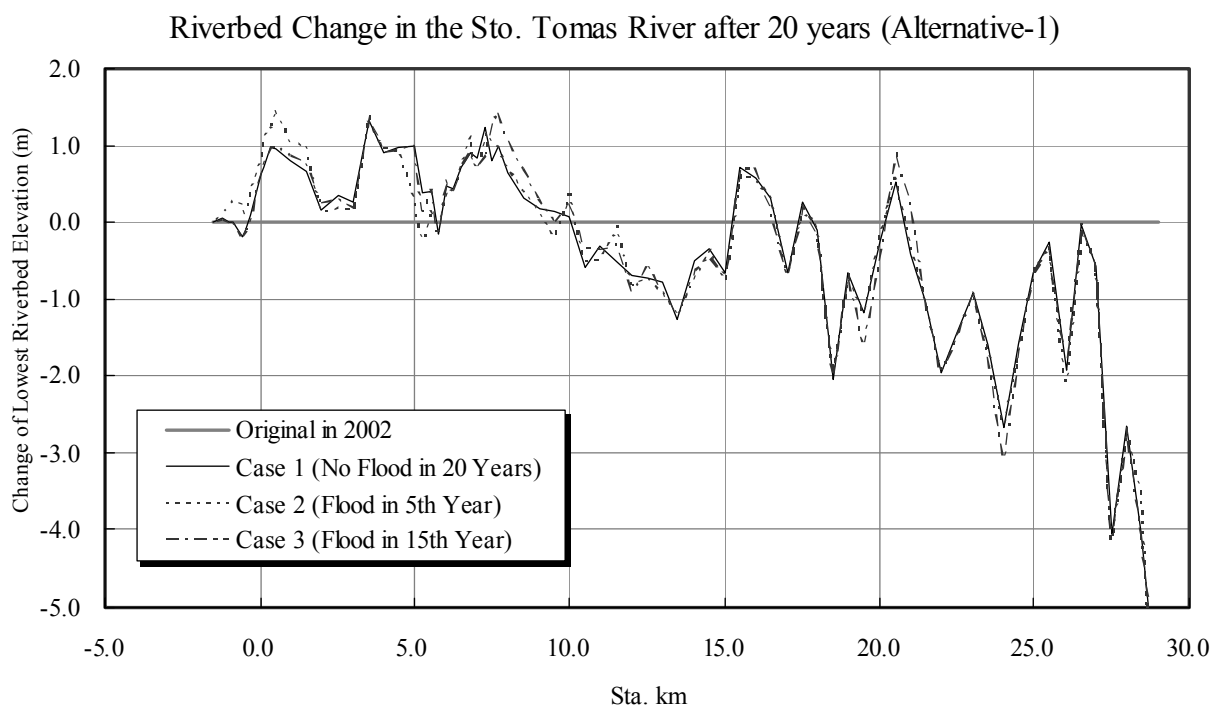
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Figure 6.4.10

**Simulated Riverbed Movement for 20 Years in
the Upper Bucao River (under Present
Condition)**



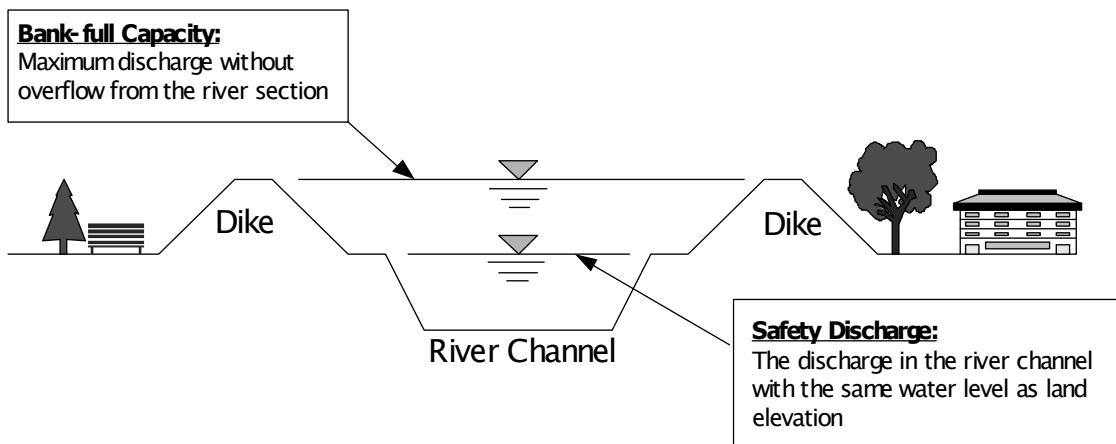
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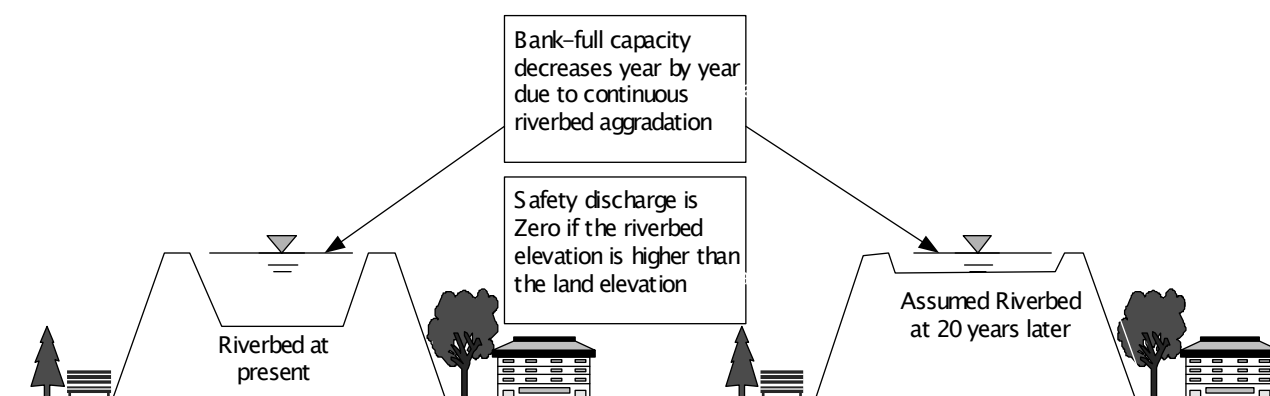
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Figure 6.4.11

**Simulated Riverbed Movement for 20 Years in
the Sto. Tomas River (under Present
Condition)**



Definition of Safety Discharge and Bank-full Capacity



Change in Bank-full Capacity

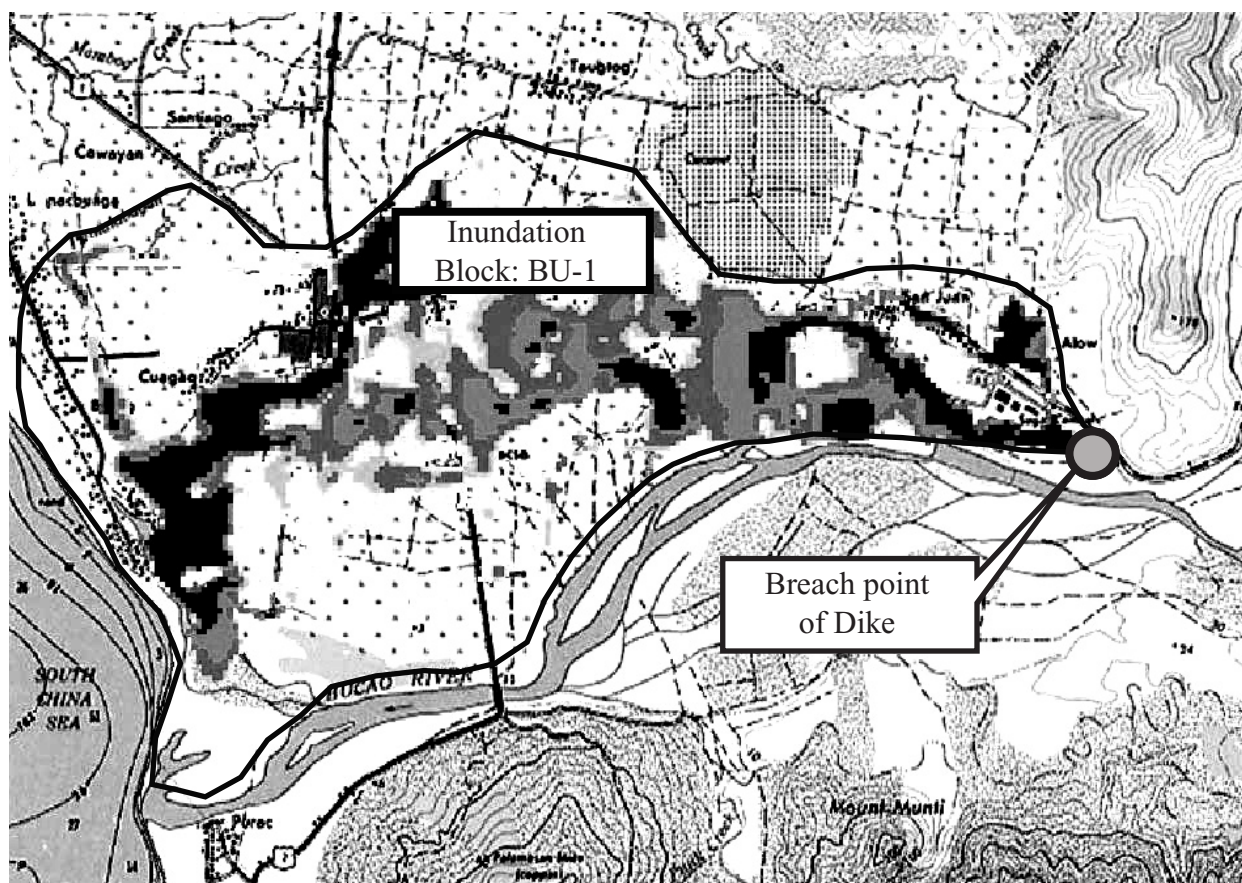
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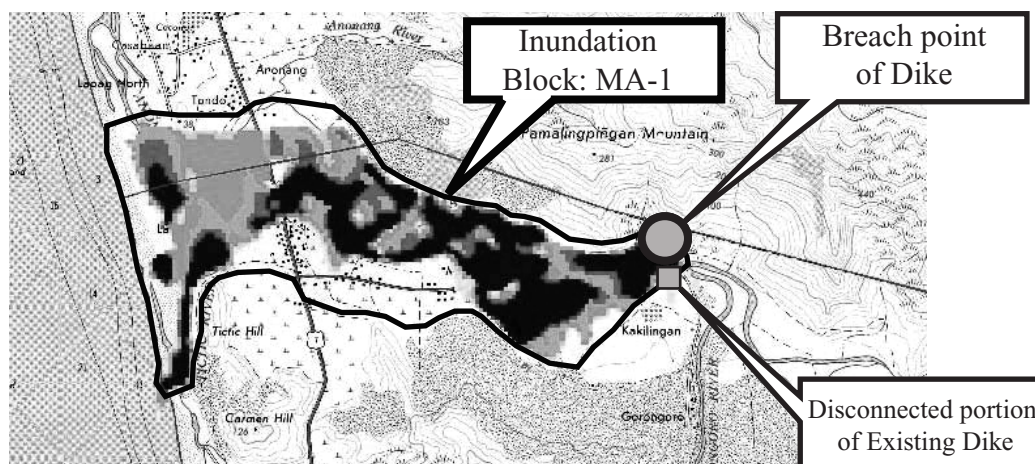
Figure 7.1.1

**Definition of Safety Discharge and Bank-full
Capacity**



Bucao River Right Bank Side Lower Stretch

0 2.5 5km



Maloma River Right Bank Side Lower Stretch

0 2.5 5km

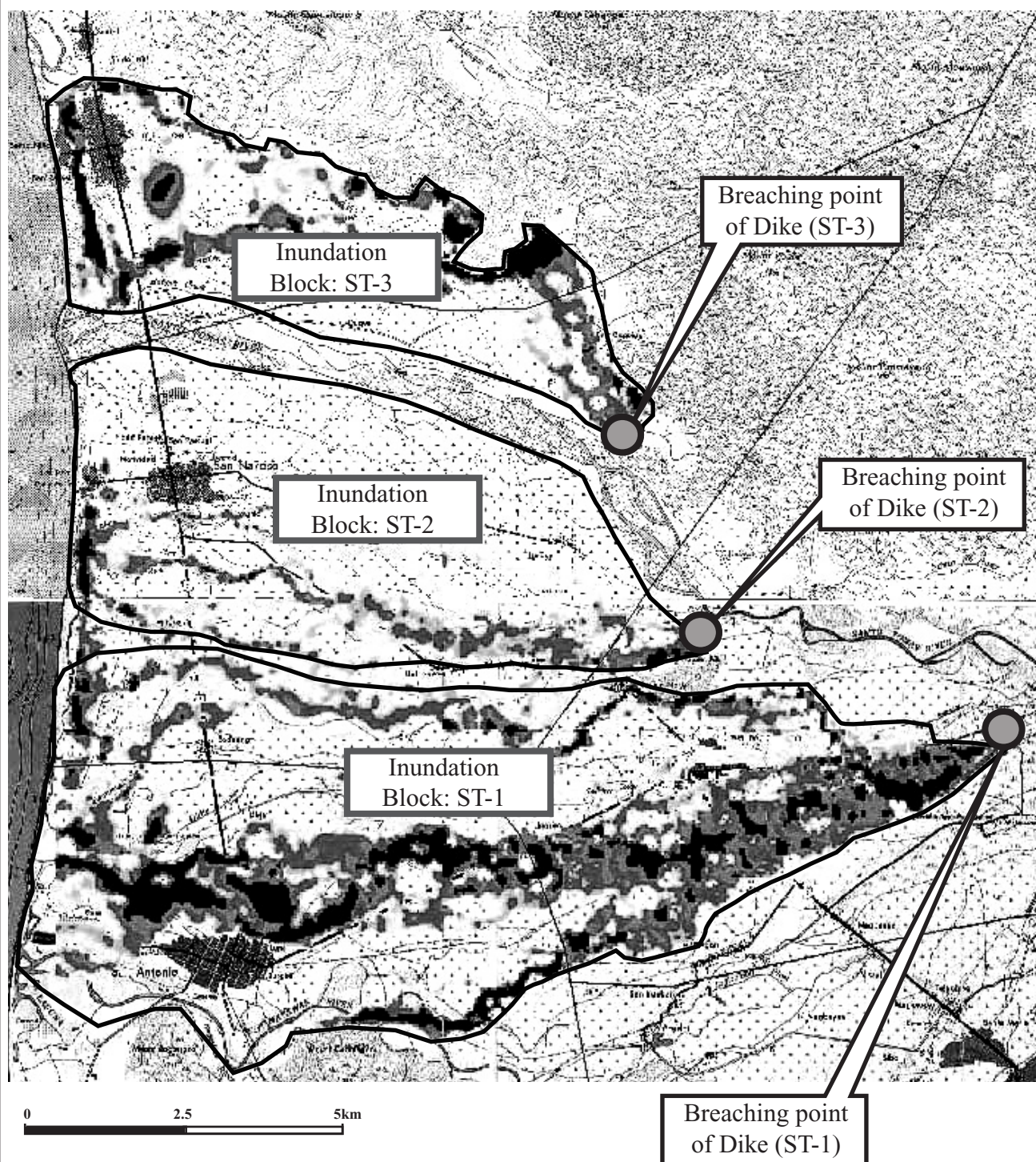
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Figure 7.1.2

**Inundation Blocks and Breach Points
of Dike for the Bucao & Maloma Rivers**



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Figure 7.1.3

**Inundation Blocks and Breaching Points
of Dike for the Sto. Tomas River**