

## ***FIGURES***





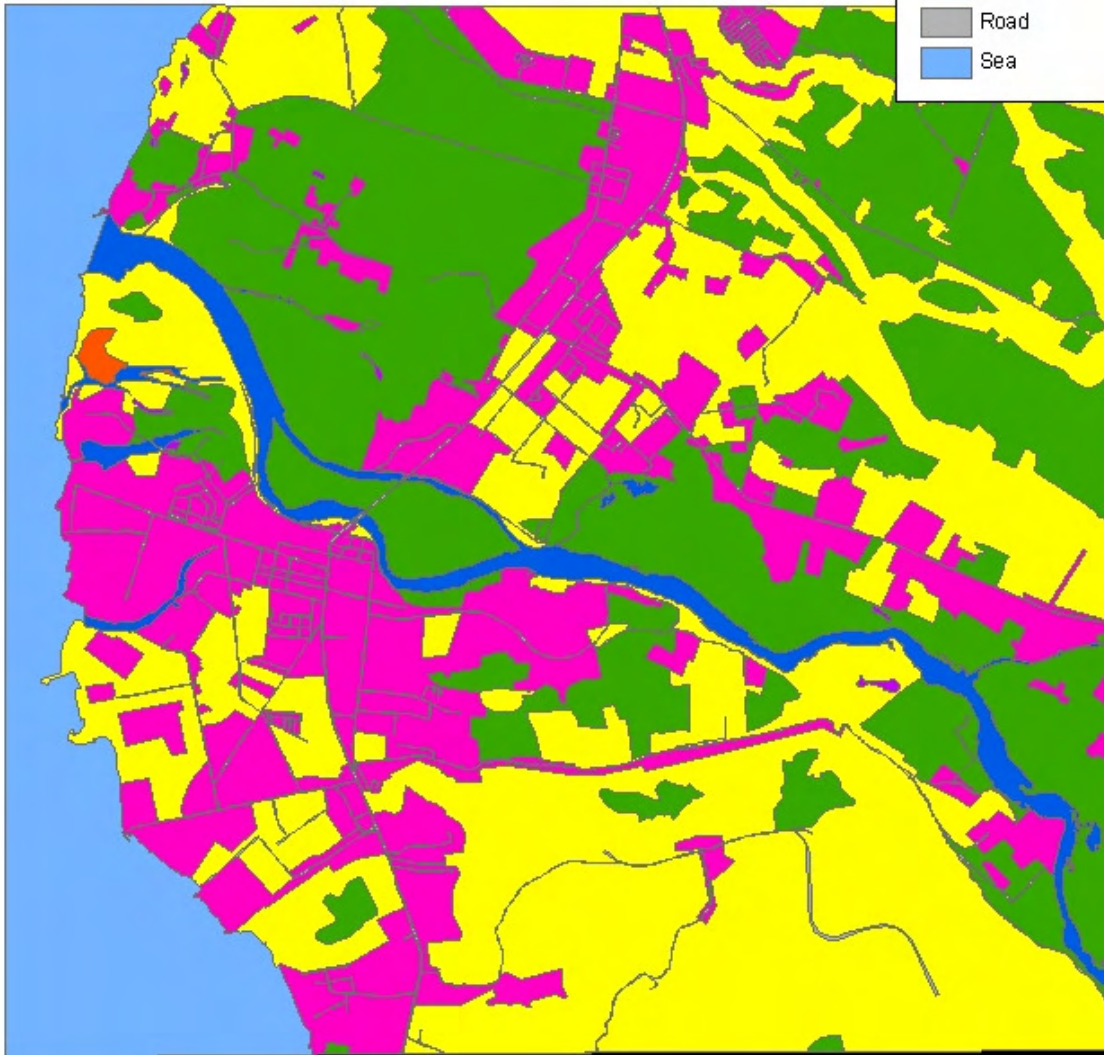




**Legend**

**Layer**

-  Agricultural
-  Built-up
-  Mangrove
-  Pond
-  Ricefield
-  Rivers
-  Road
-  Sea



0.8 0.4 0 0.8 km

Source: Satellite Image by Quickbird 2008

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Figure 3.1  
Present Land Use Map  
in/around Tagoloan

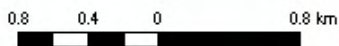
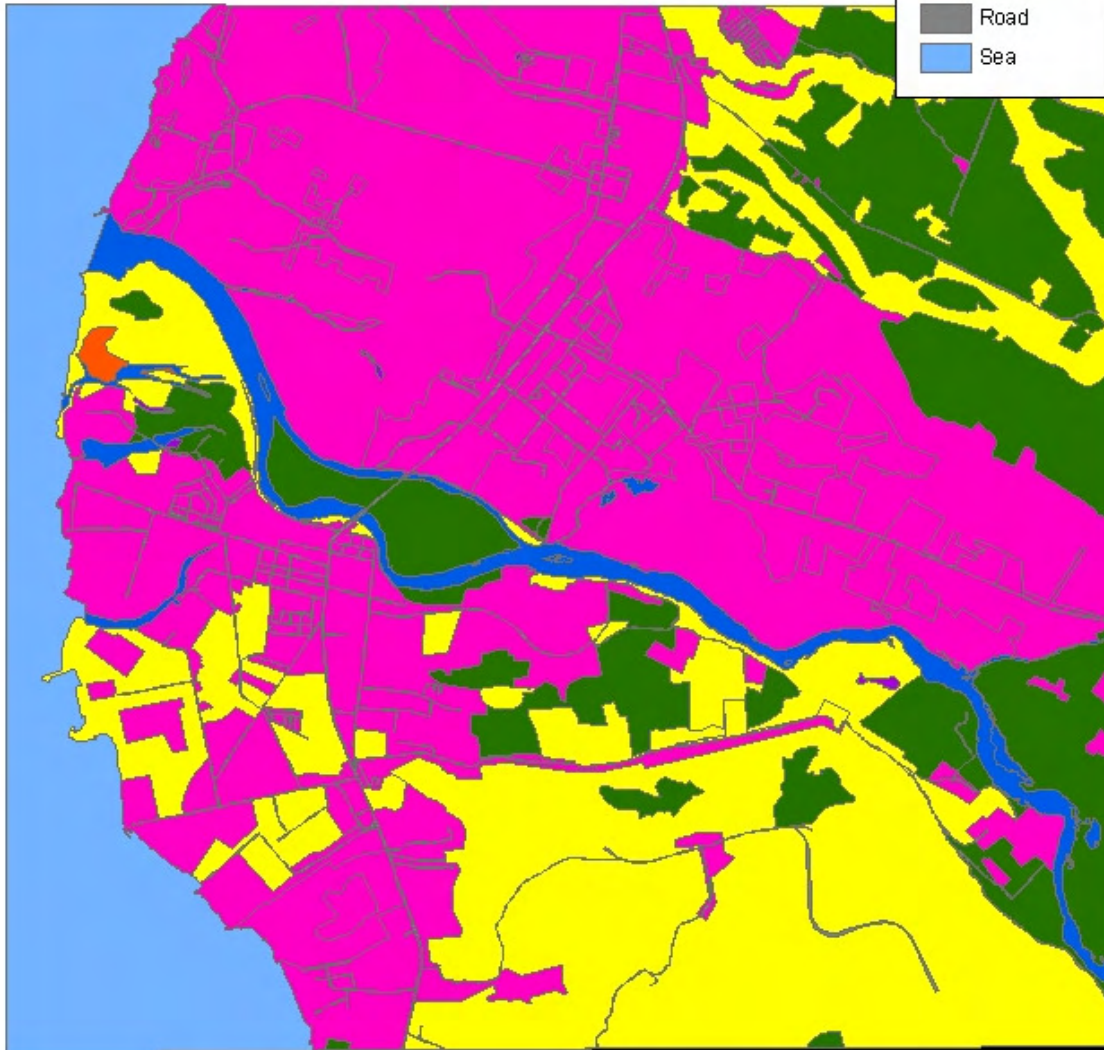




**Legend**

**Layer**

-  Agricultural
-  Built-up
-  Mangrove
-  Pond
-  Ricefield
-  Rivers
-  Road
-  Sea



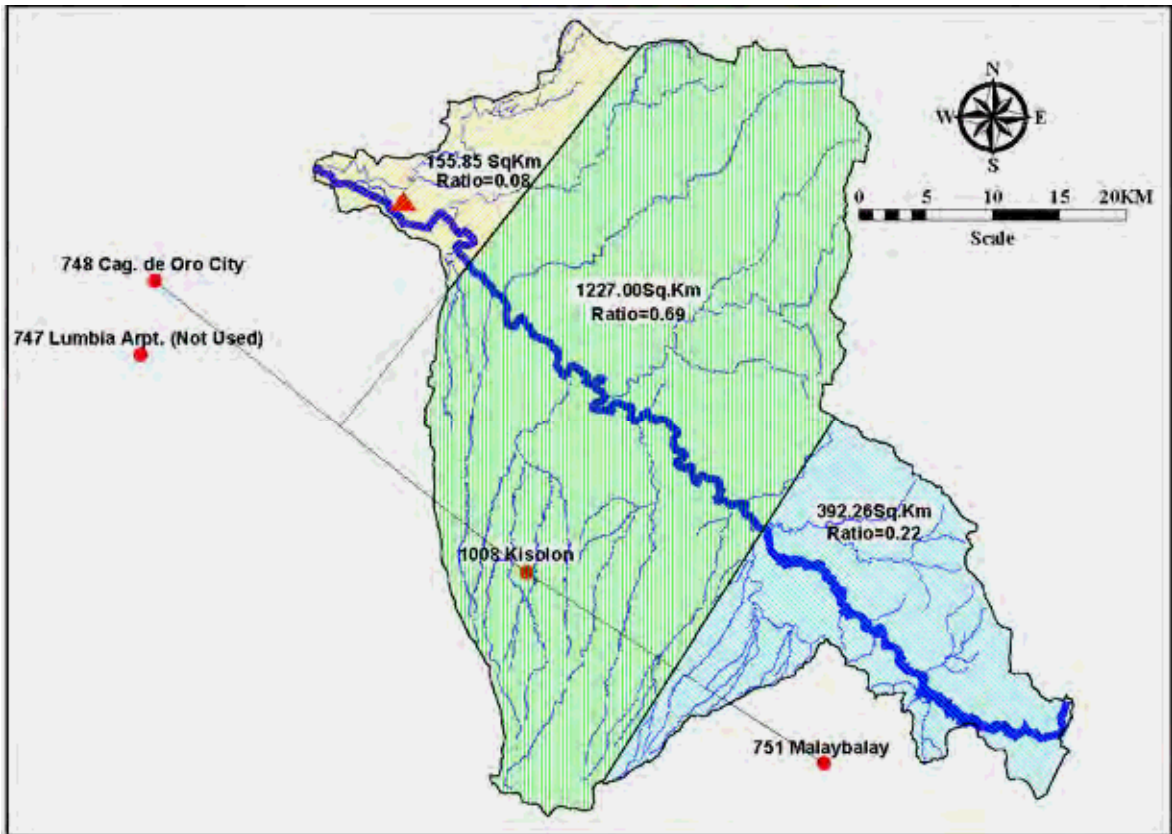
Source: CLUP, M/P of Phividec Development Plan and Satellite Image by Quickbird 2008

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Figure 4.1  
Future Land Use Condition  
in/around Tagoloan

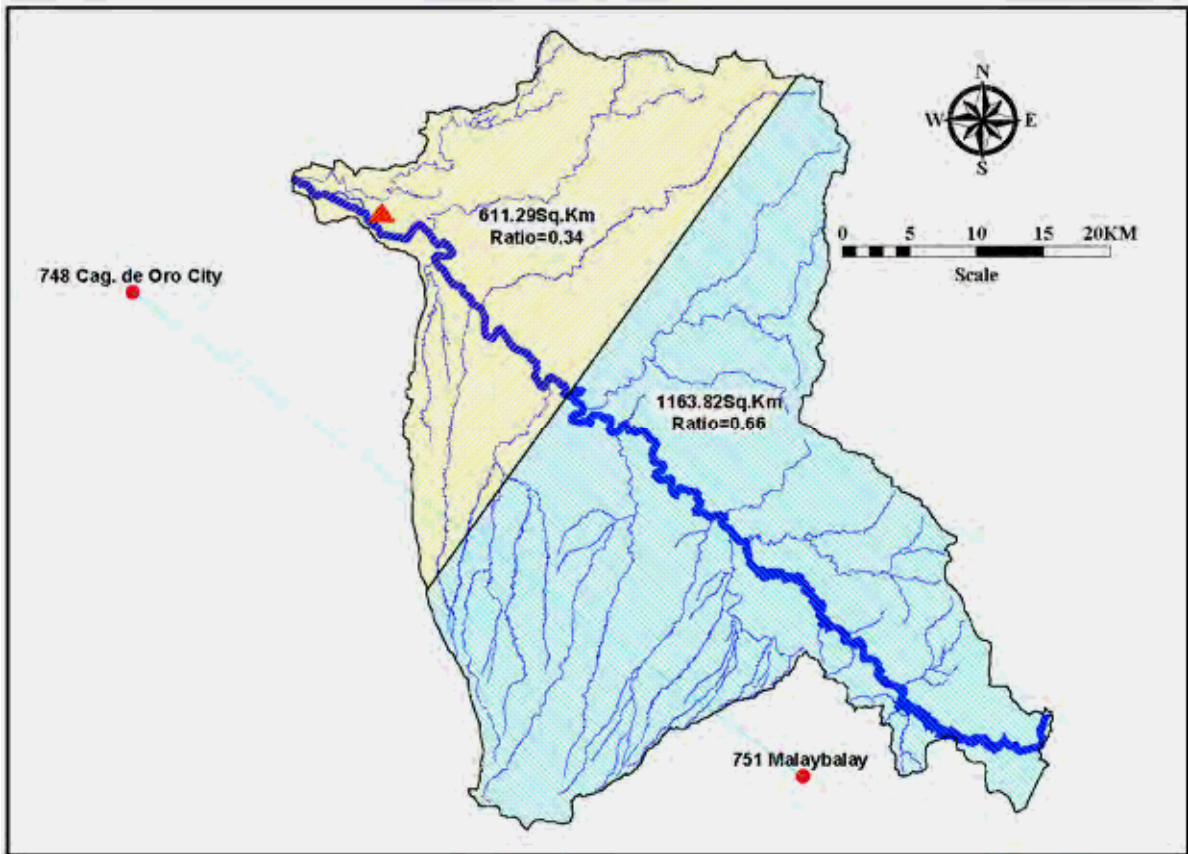






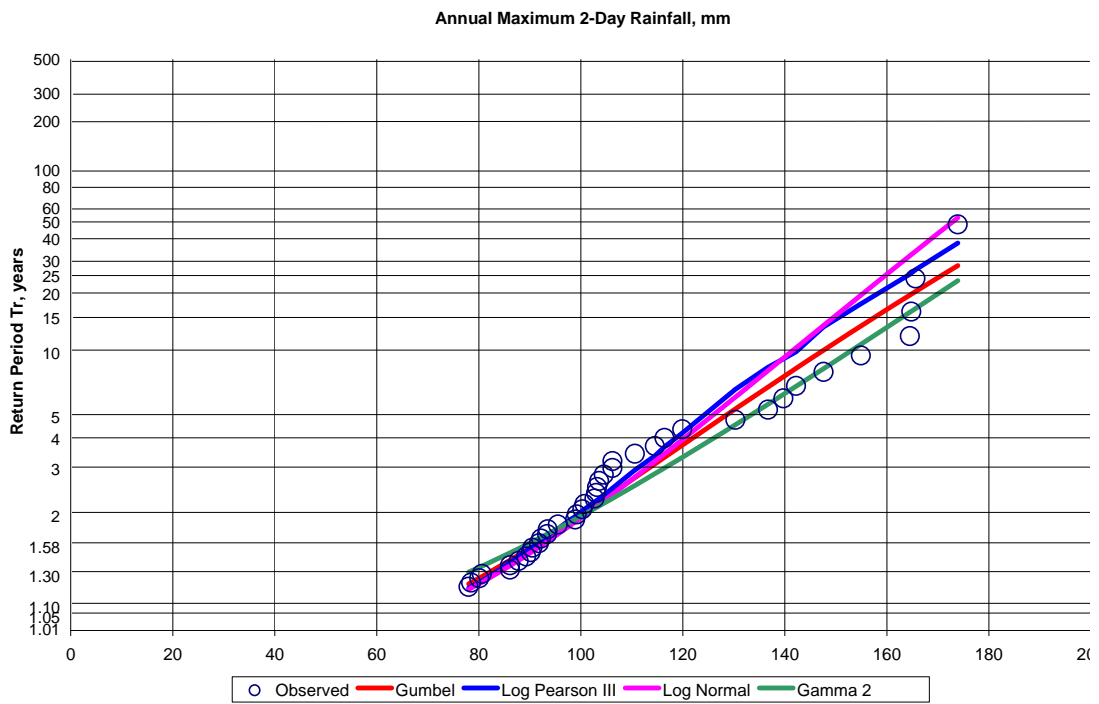
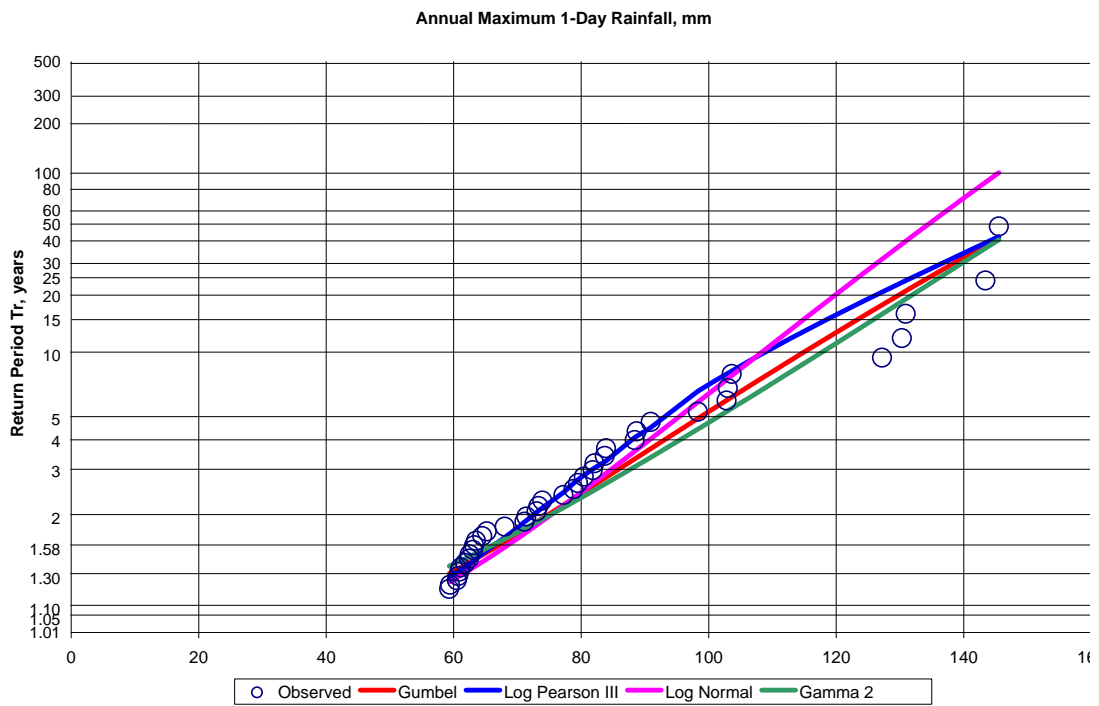
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Figure 5.1  
 Thiessen Polygons using Malaybalay, Kisolon and  
 Cagayan de Oro



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Figure 5.2  
 Thiessen Polygons using Malaybalay and  
 Cagayan de Oro

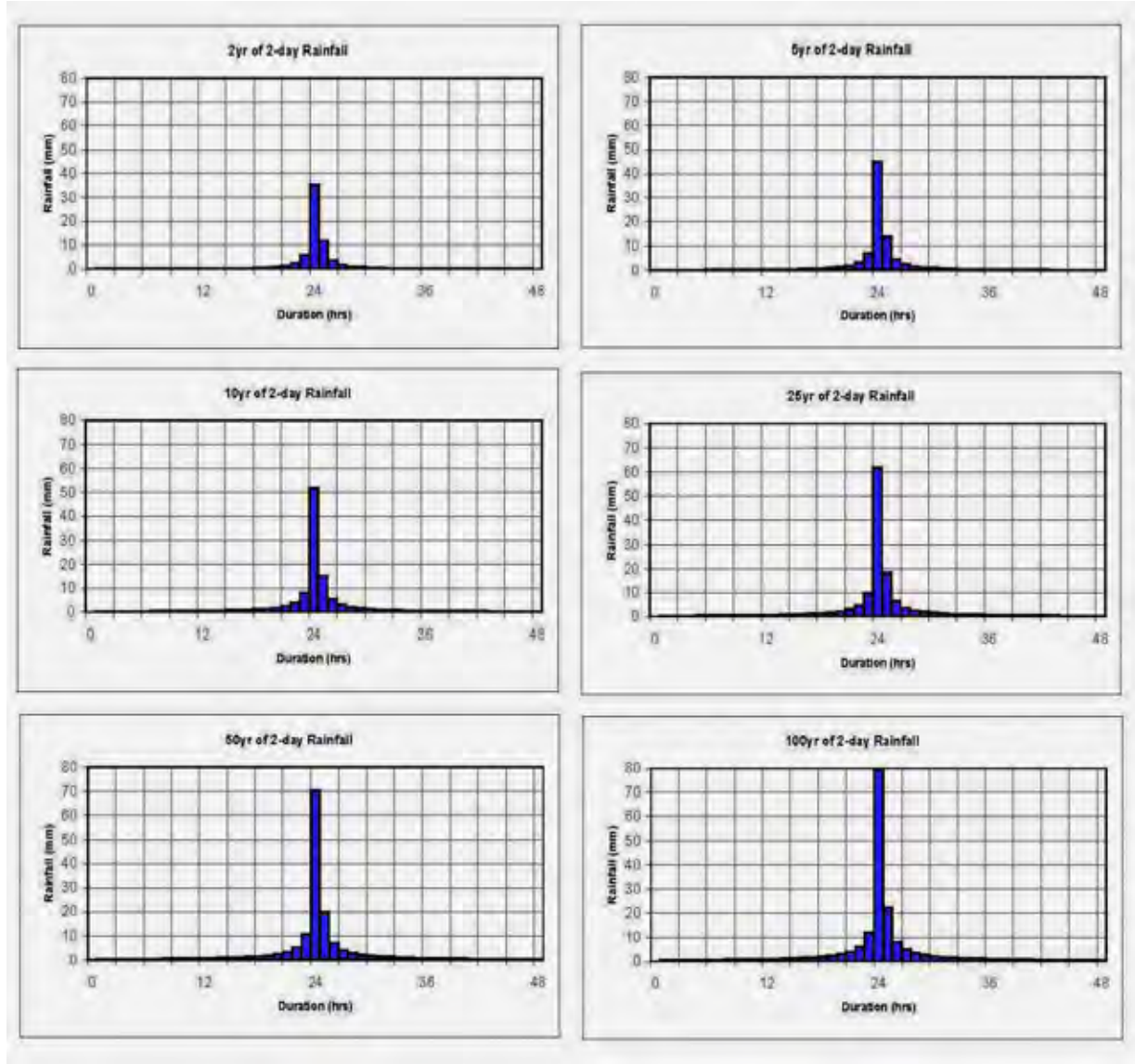


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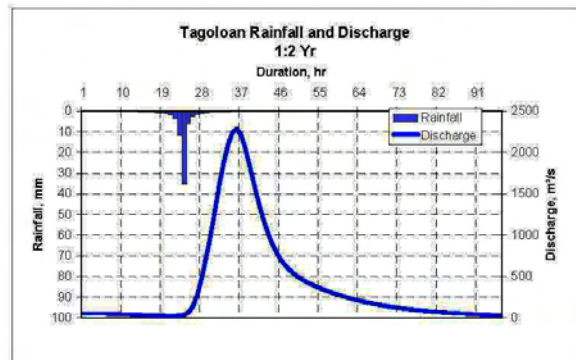
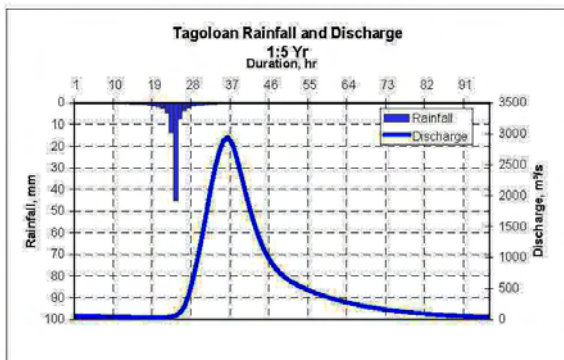
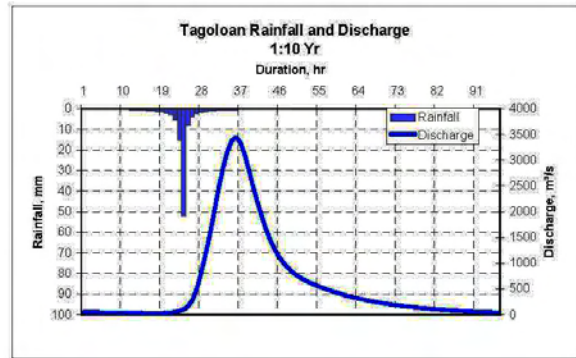
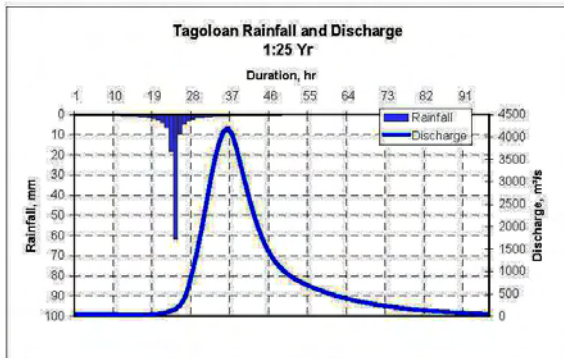
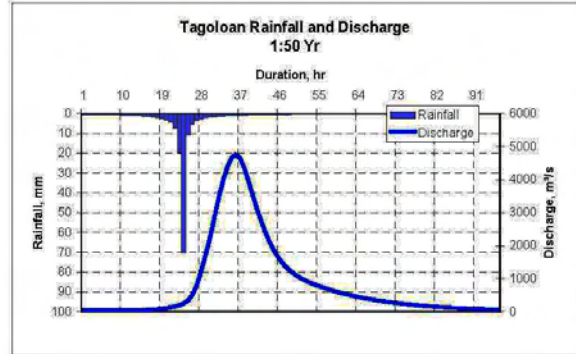
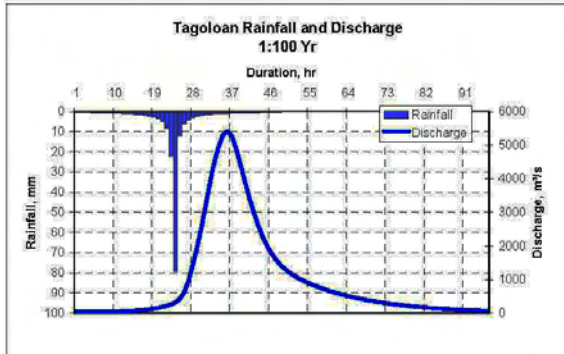
Figure 5.3  
Probability Analysis



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Figure 5.4  
 Design Hydrographs

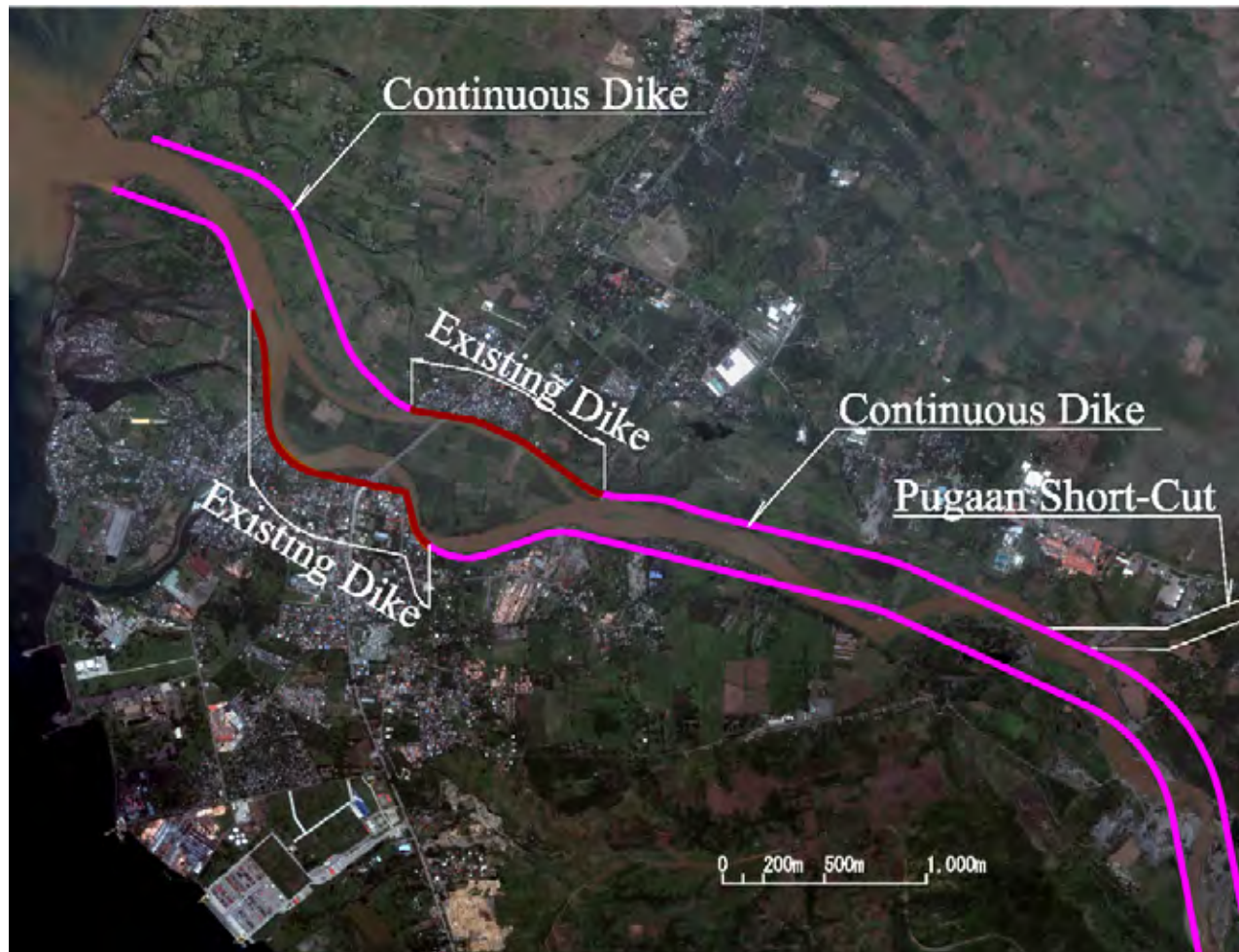




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Figure 5.6  
Design Flood Runoff Hydrographs of Tagoloan



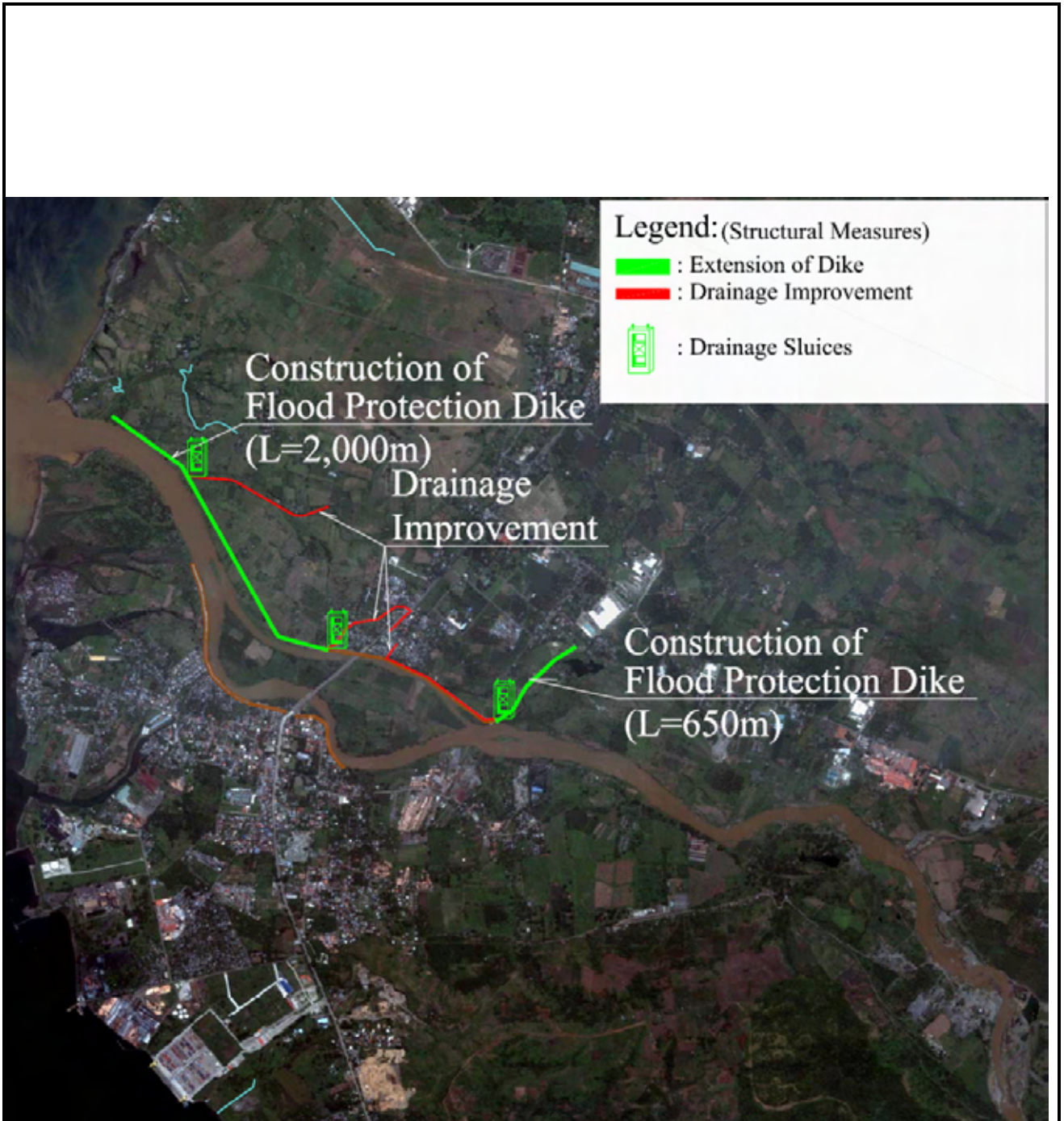
Total Diking System: 11.4km in total  
 (including 2.52km of Present Diking System constructed by DPWH-Region X during 1994-2002)

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Figure 6.1  
 Master Plan and Present Diking System of  
 Tagoloan



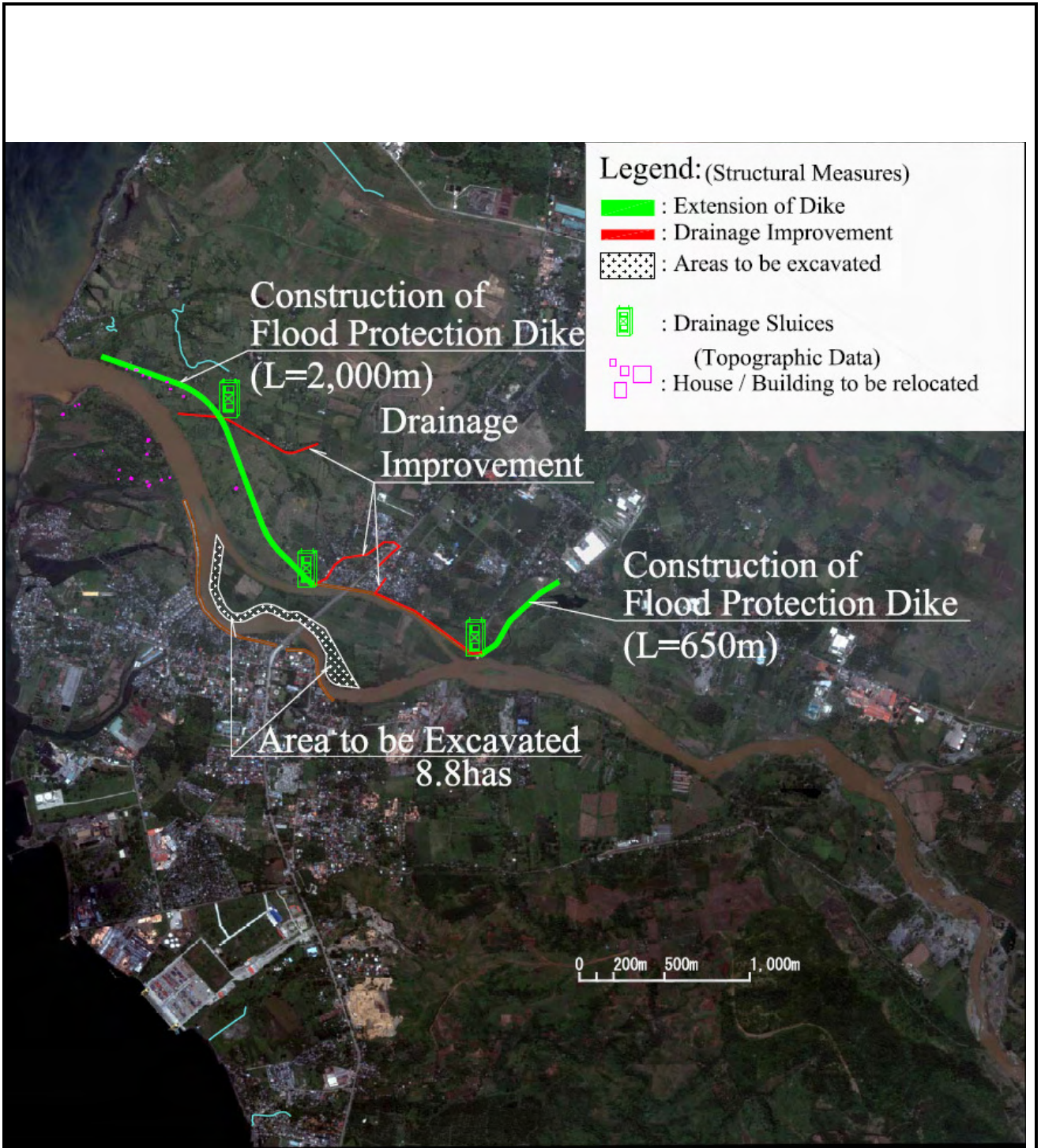




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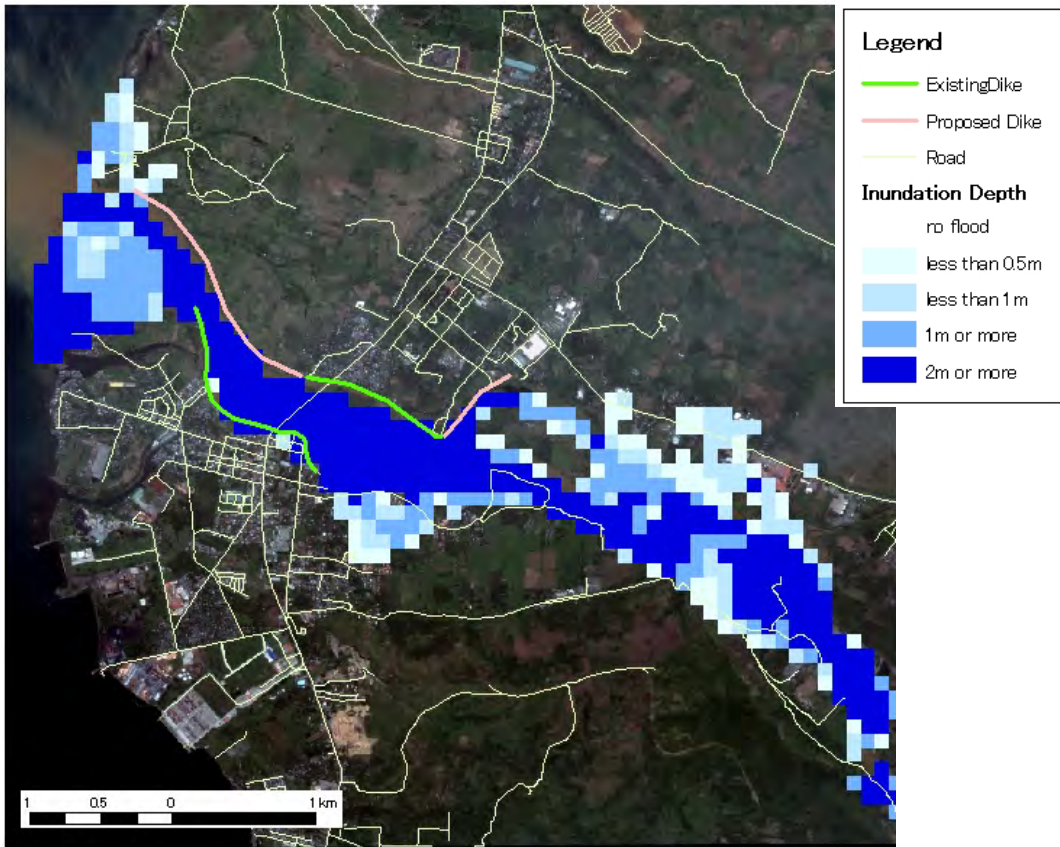
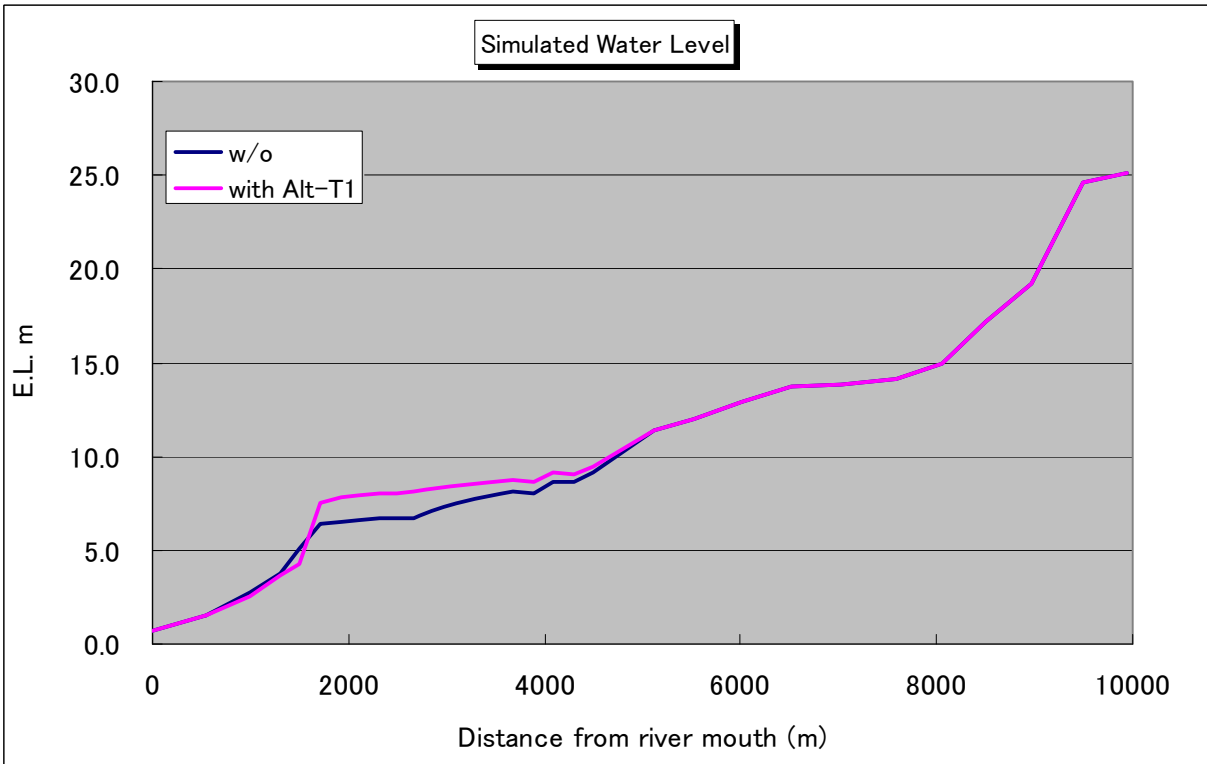
Figure 7.1  
 Tagoloan River Improvement Plan  
 (Alternative T-1:  
 Extension of Flood protection Diking System)



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Figure 7.2  
 Tagoloan River Improvement Plan  
 (Alternative T-2: Extension of Flood protection  
 Diking System with Excavation of Towhead)

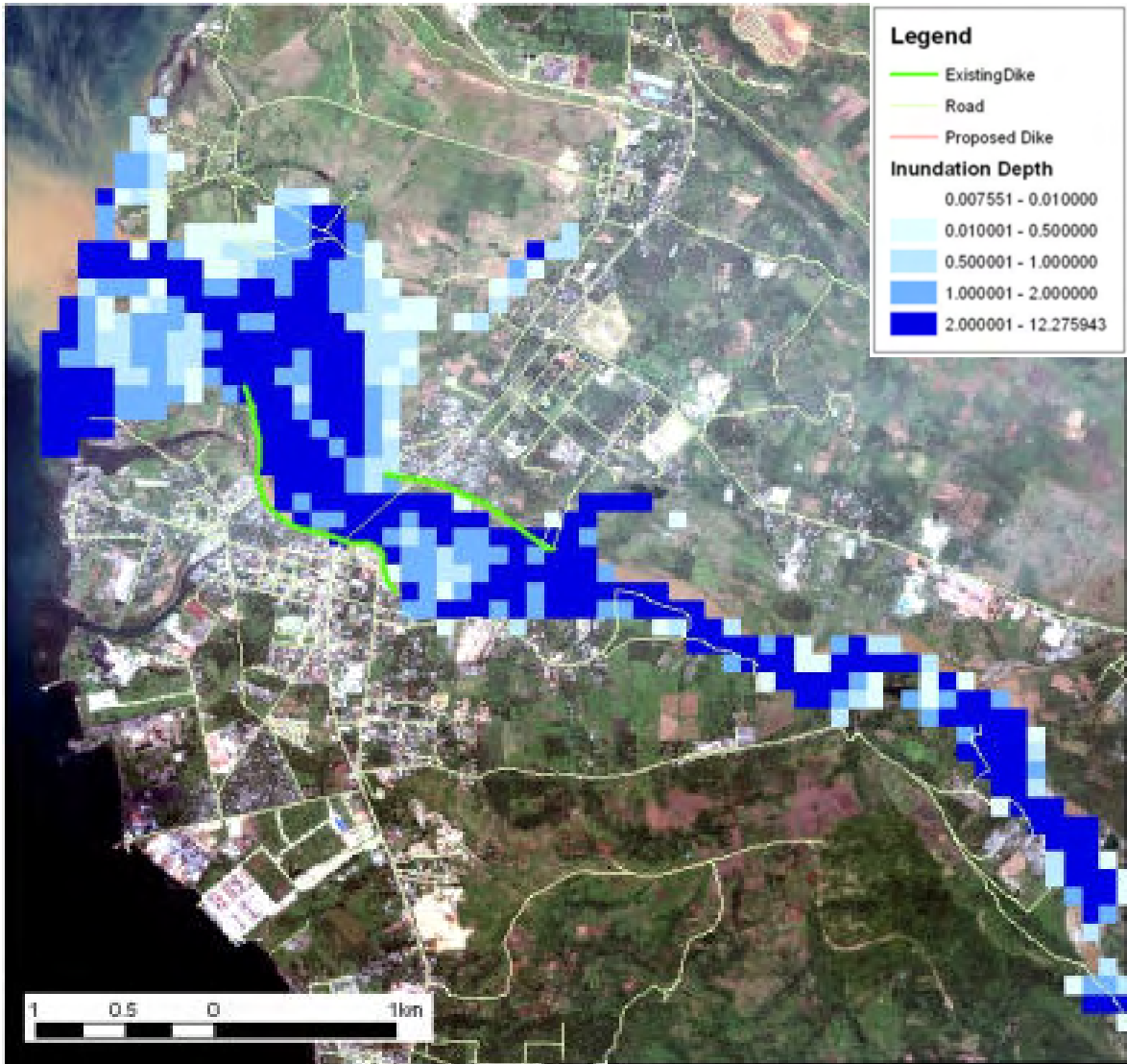


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Figure 7.3  
 Result of Flood Inundation Analysis  
 (With Alt-T1)

2 yr



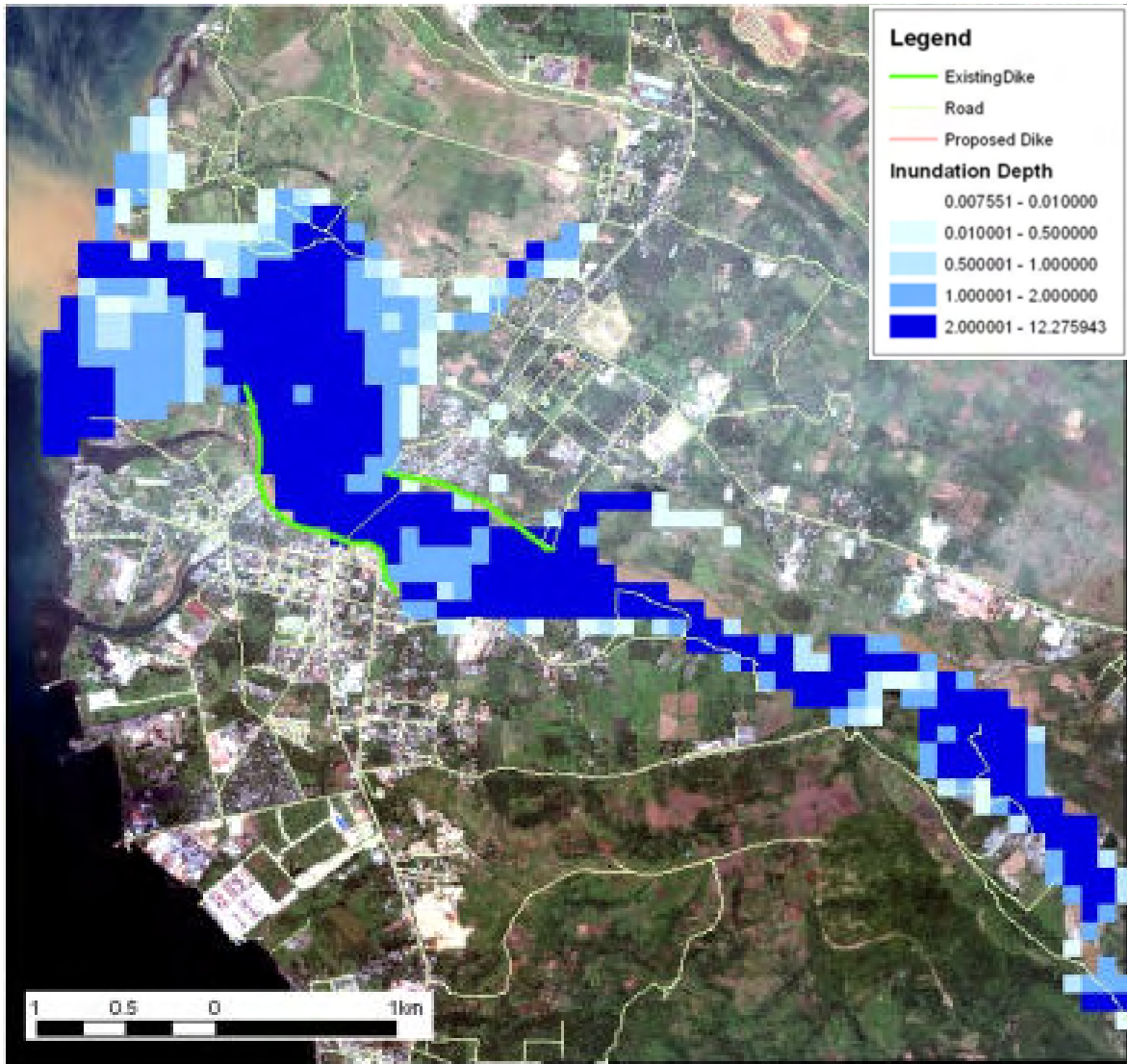
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Figure 7.4 (2 yr)

Result of Flood Inundation Analysis  
(Without Project)

5 yr



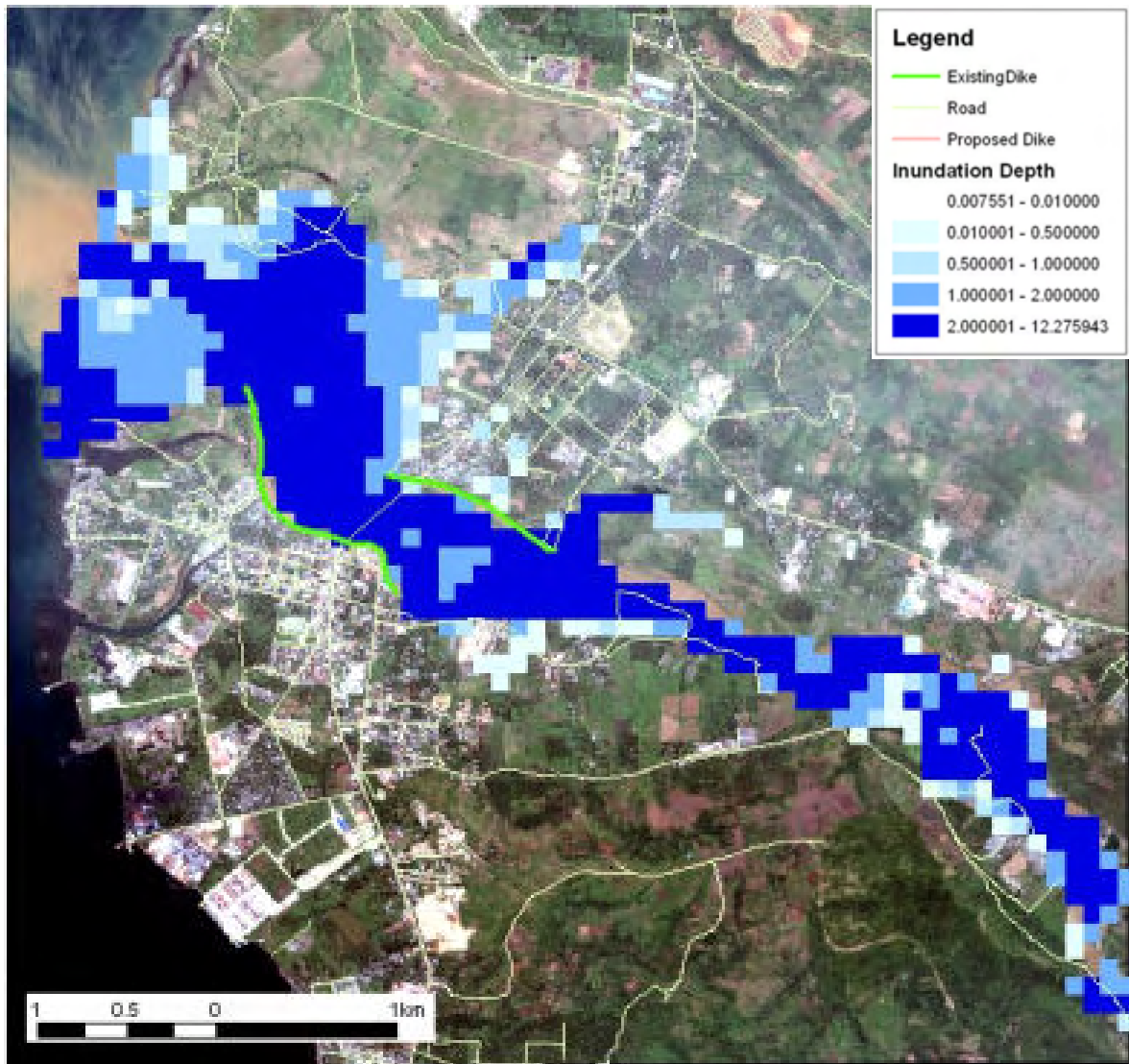
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Figure 7.4 (5 yr)

Result of Flood Inundation Analysis  
(Without Project)

10 yr



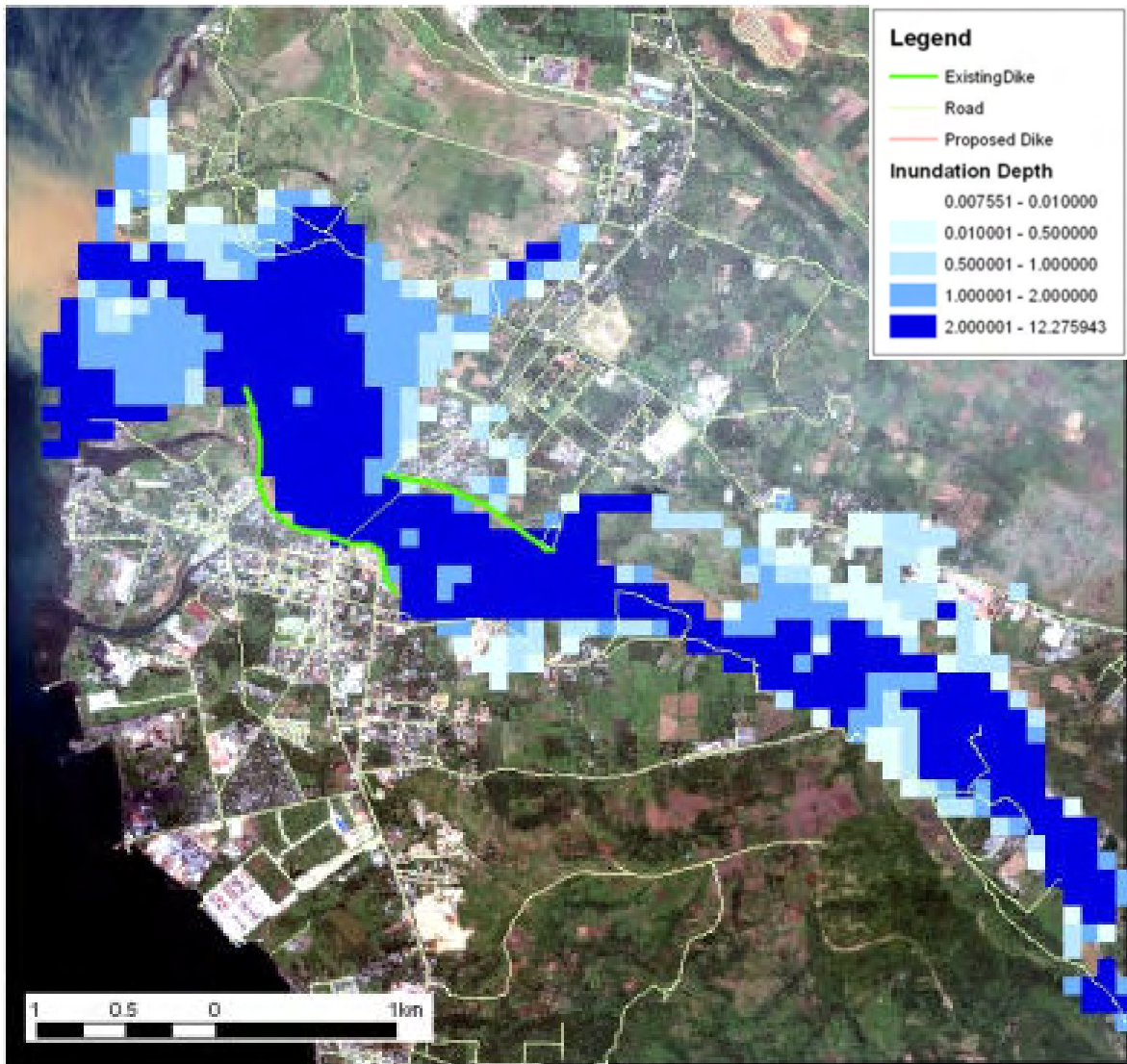
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Figure 7.4 (10 yr)

Result of Flood Inundation Analysis  
(Without Project)

25 yr



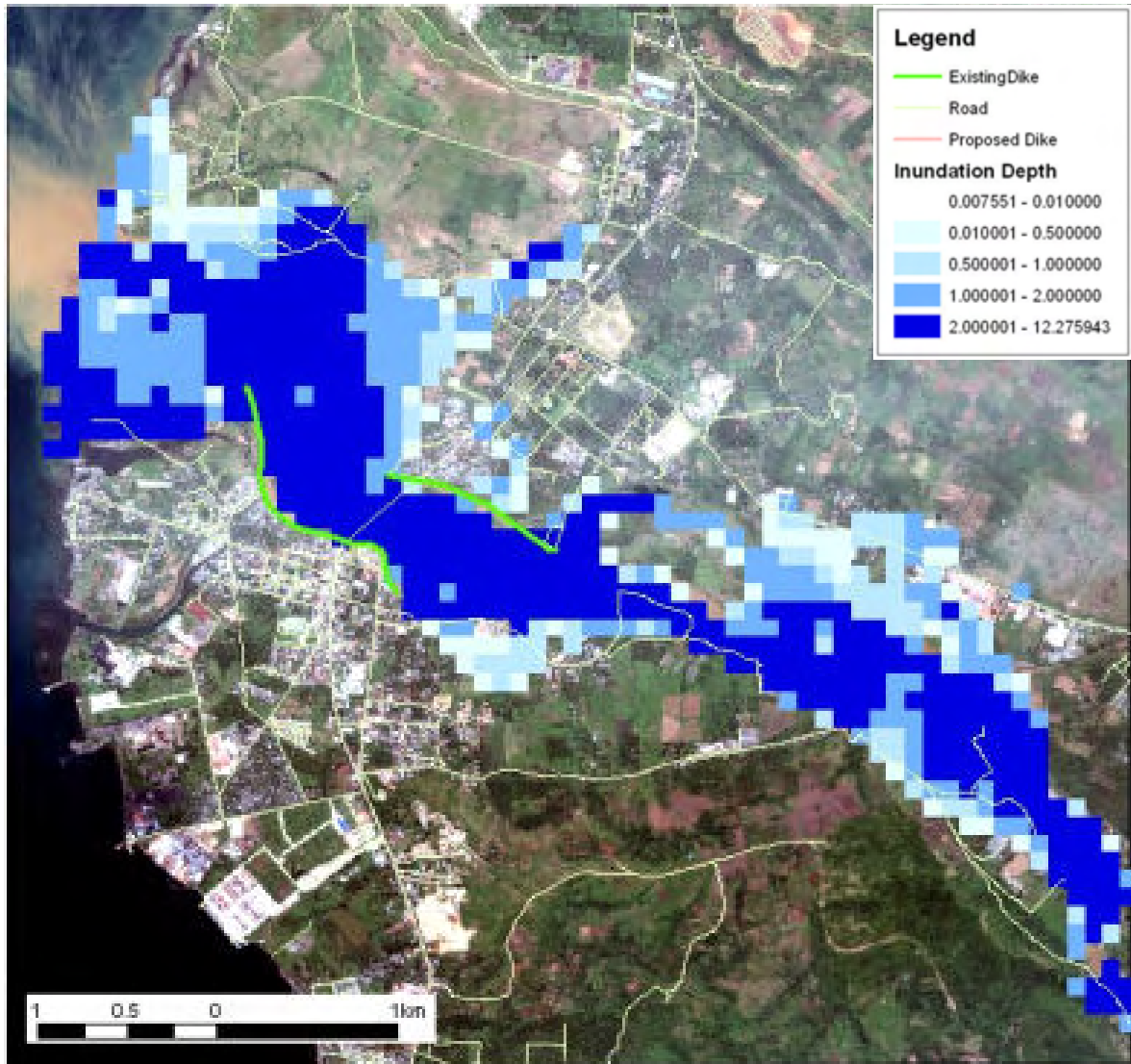
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Figure 7.4 (25 yr)

Result of Flood Inundation Analysis  
(Without Project)

50 yr



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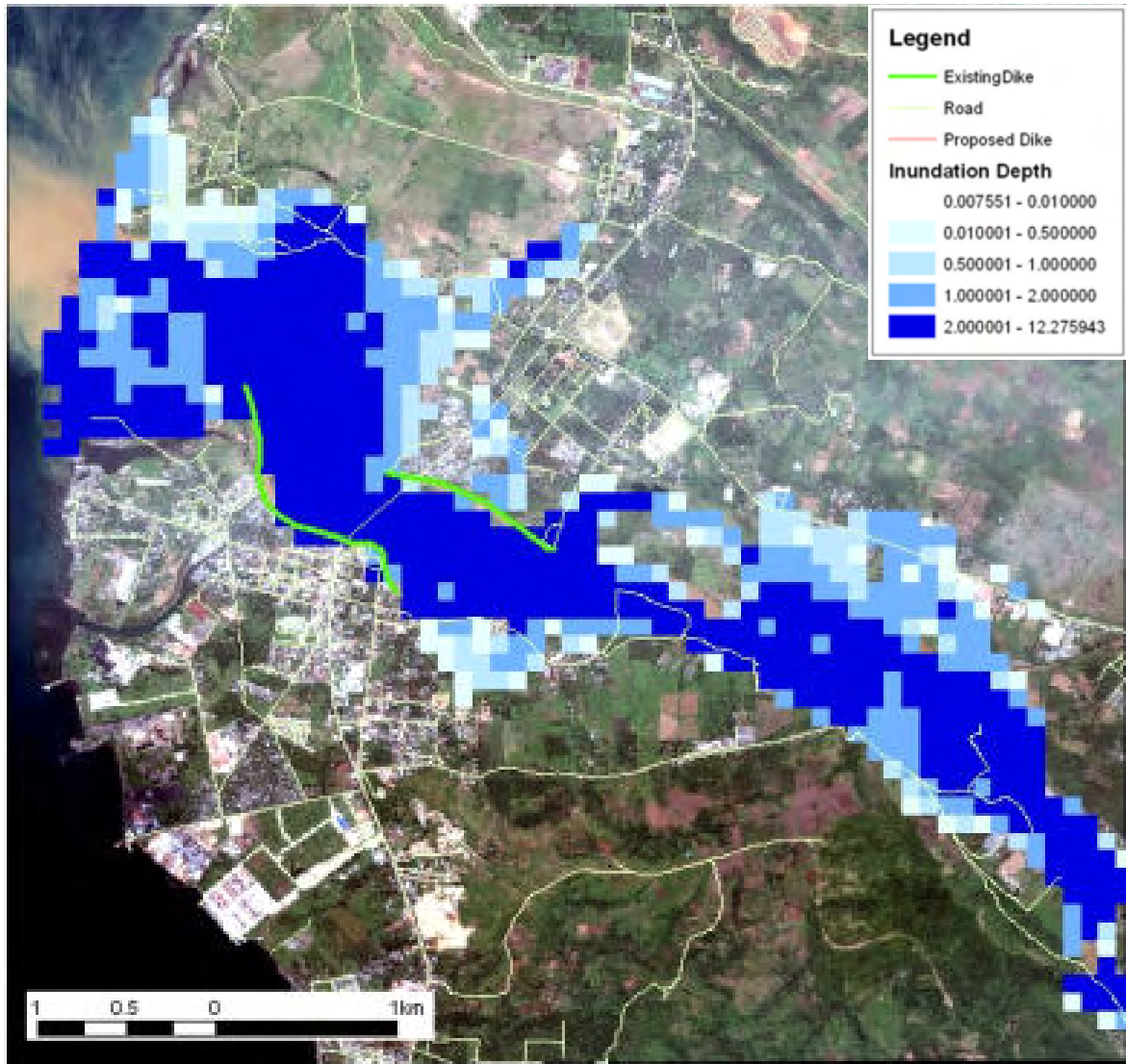
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Figure 7.4 (50 yr)

Result of Flood Inundation Analysis  
(Without Project)



100 yr

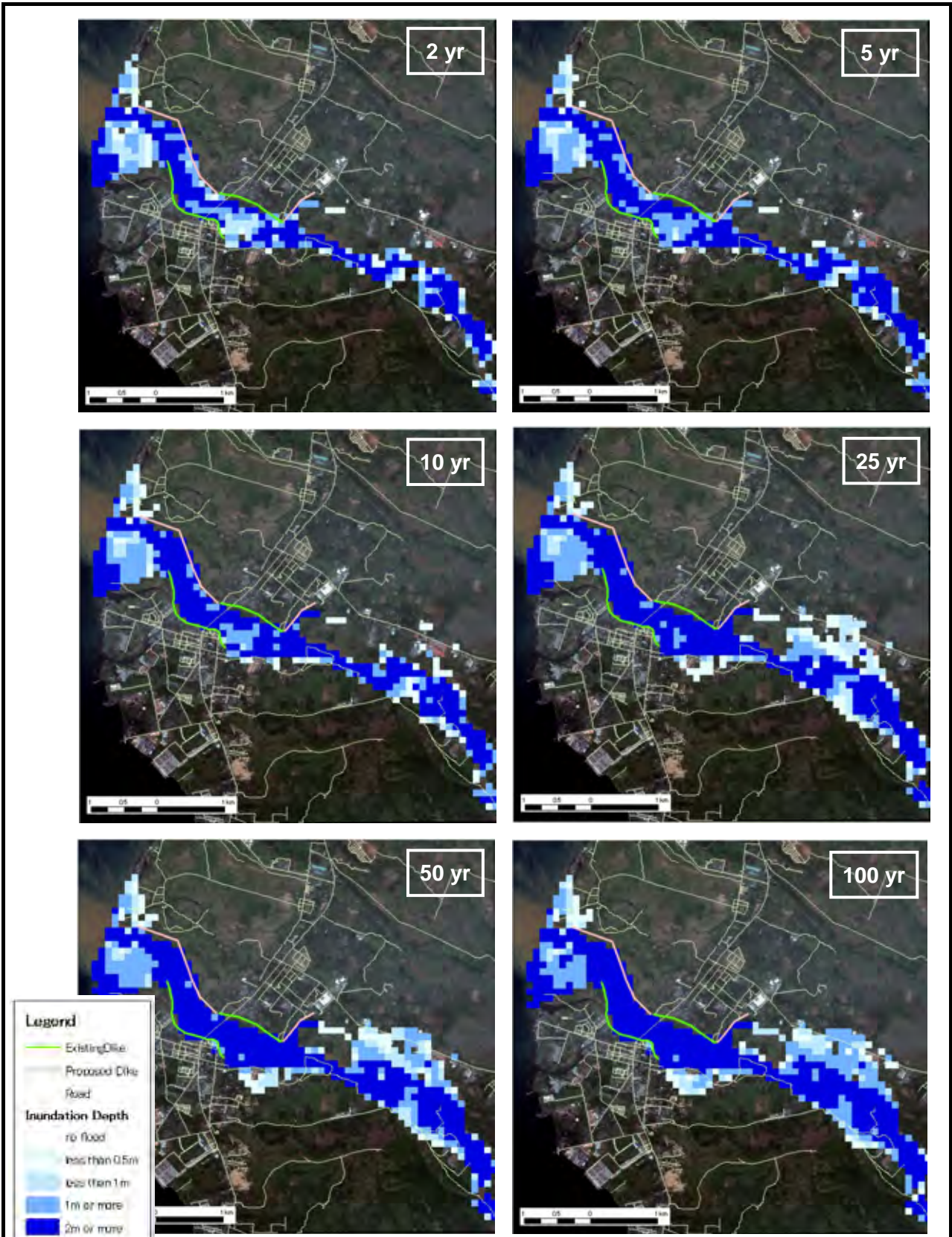


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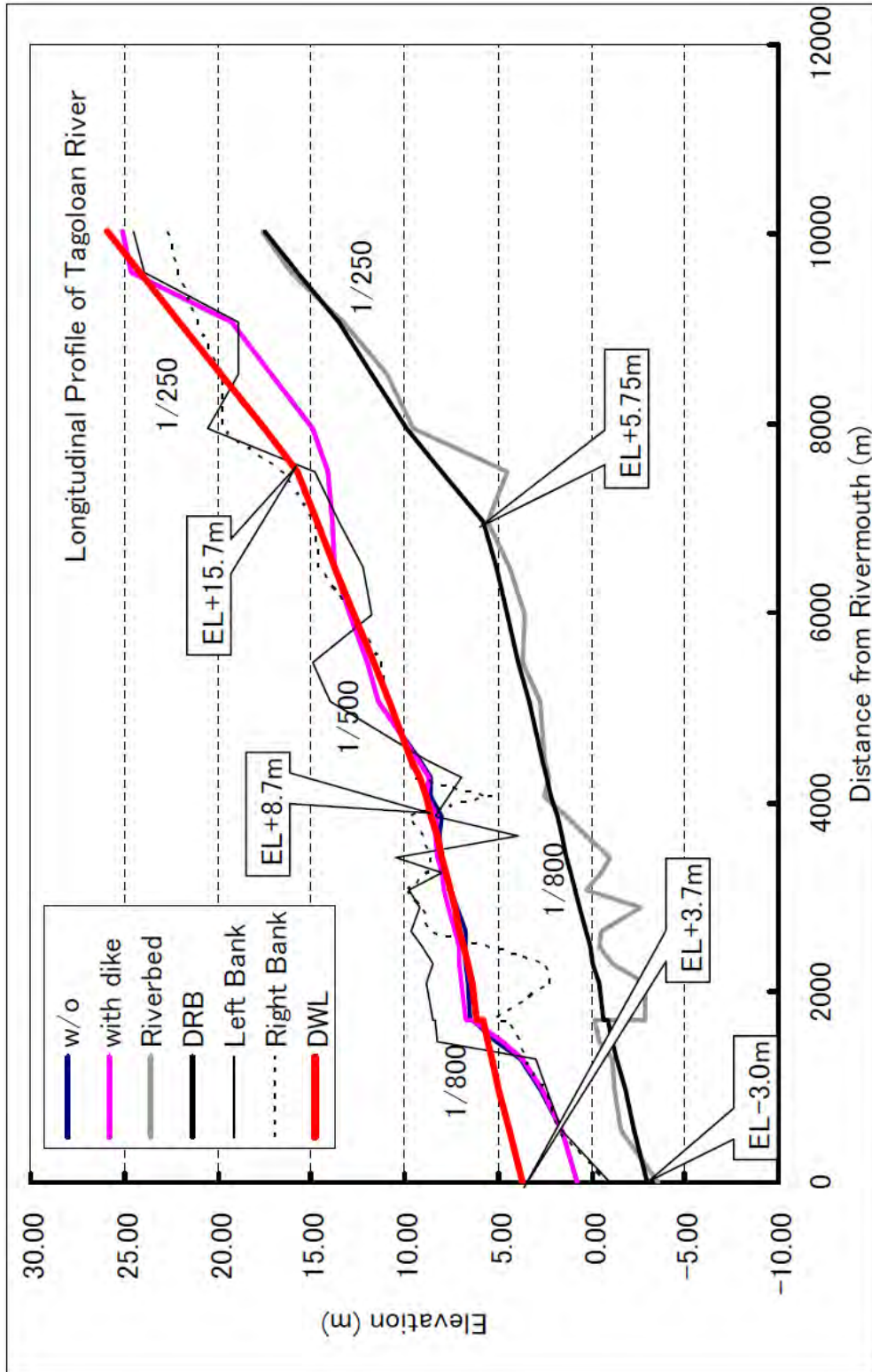
Figure 7.4 (100 yr)

Result of Flood Inundation Analysis  
(Without Project)



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Figure 7.5  
 Result of Flood Inundation Analysis  
 (With Alt-T2)

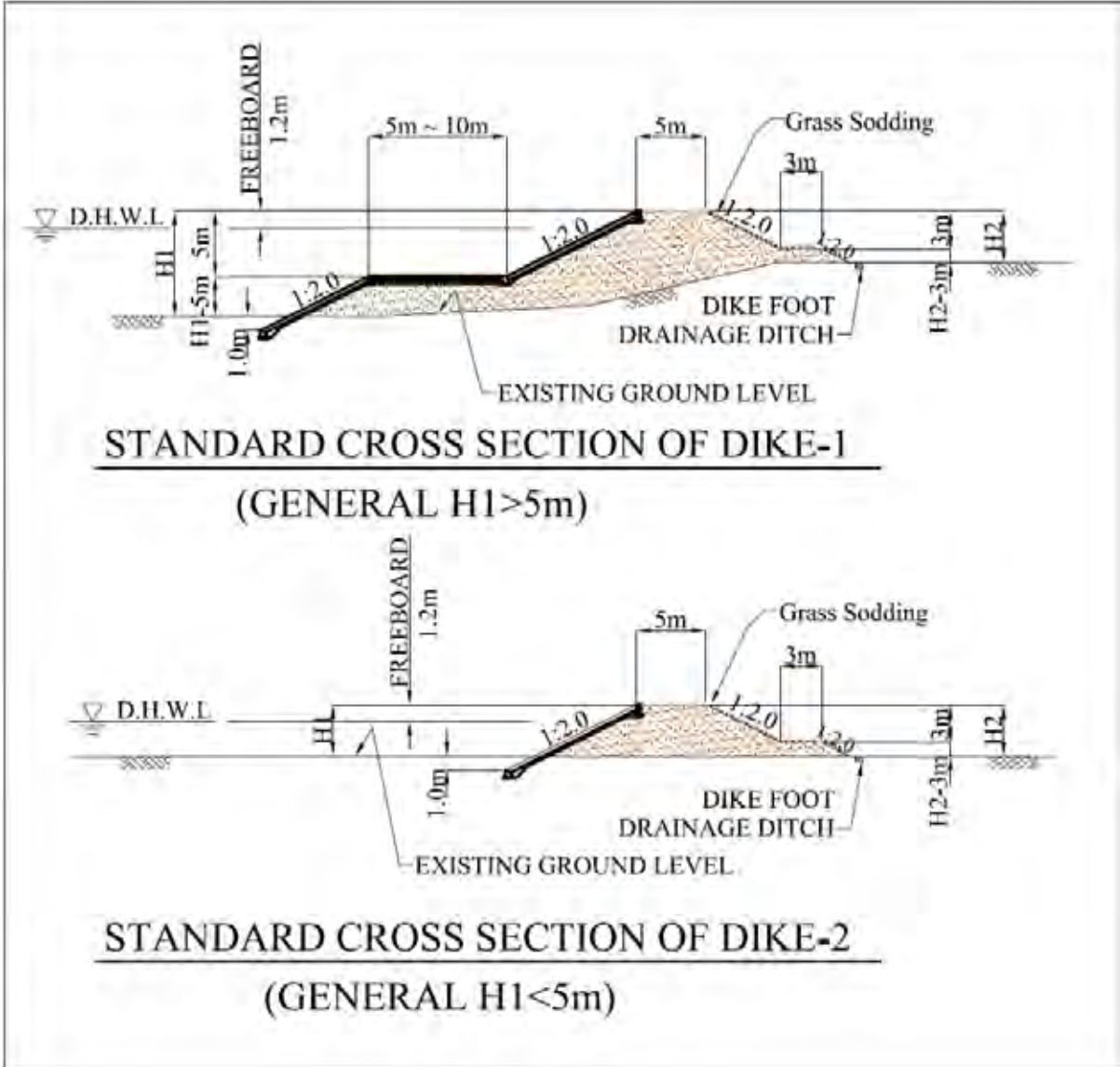


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Figure 7.6

Tagoloan River Improvement Plan  
(Longitudinal Profile with DHWL)

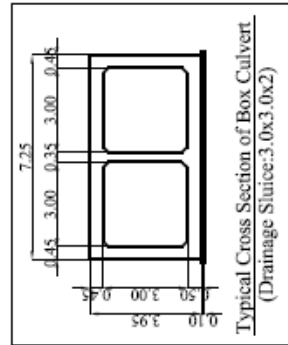
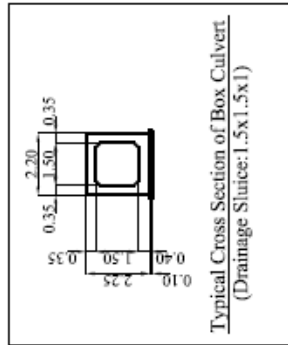
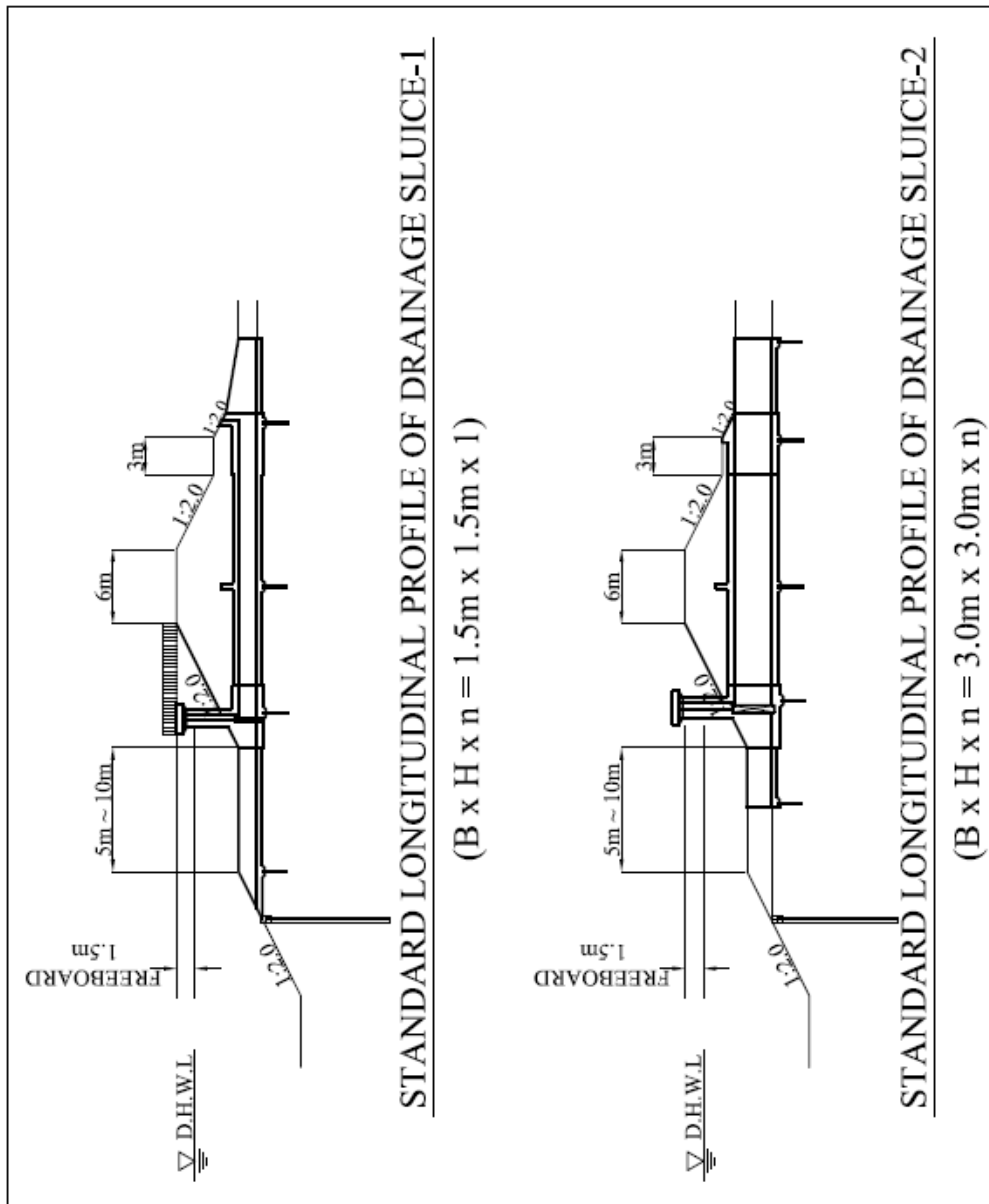


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Figure 7.7  
Typical Cross Sections of  
Flood Protection Dikes Proposed for  
Tagoloan River Improvement Plan

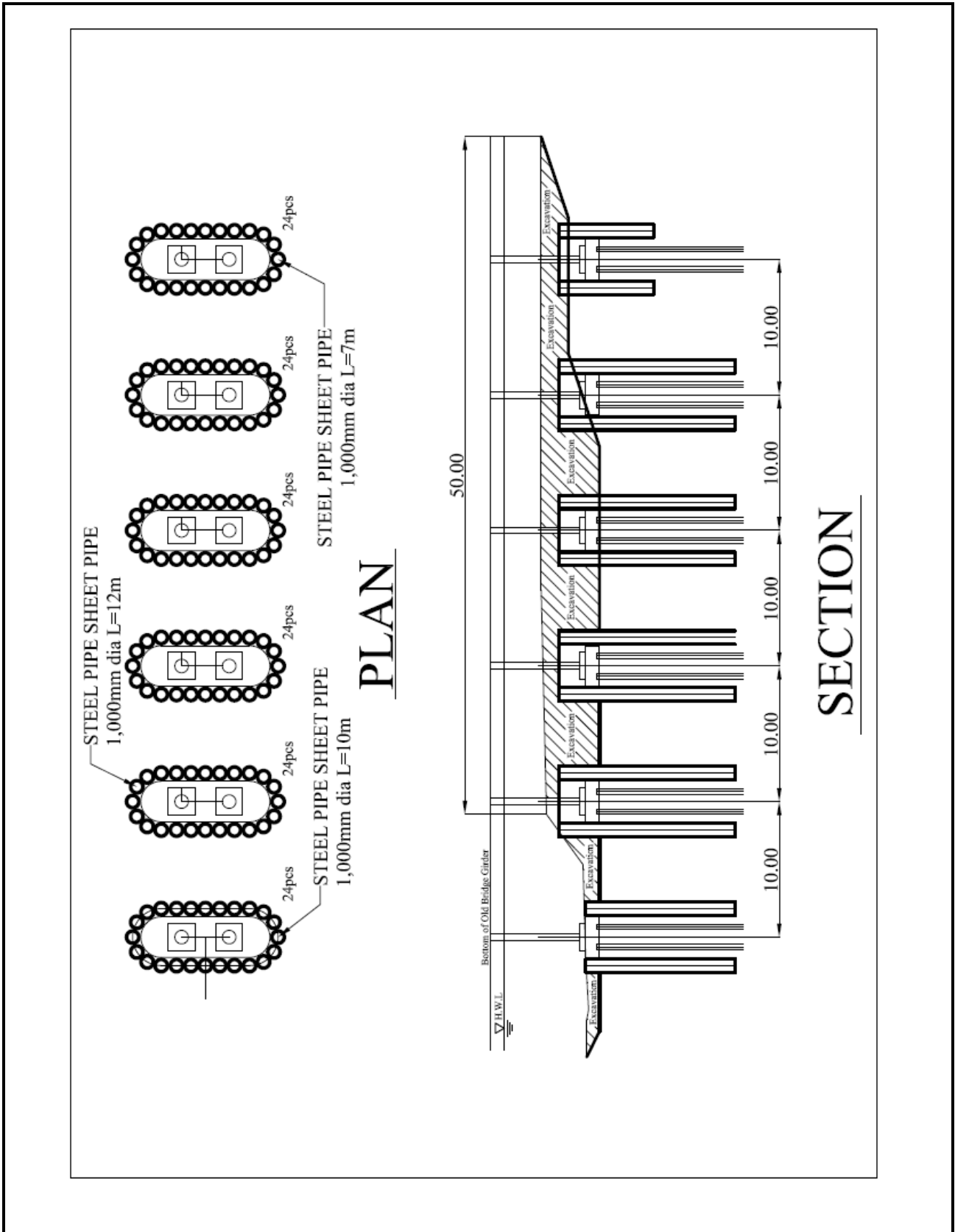




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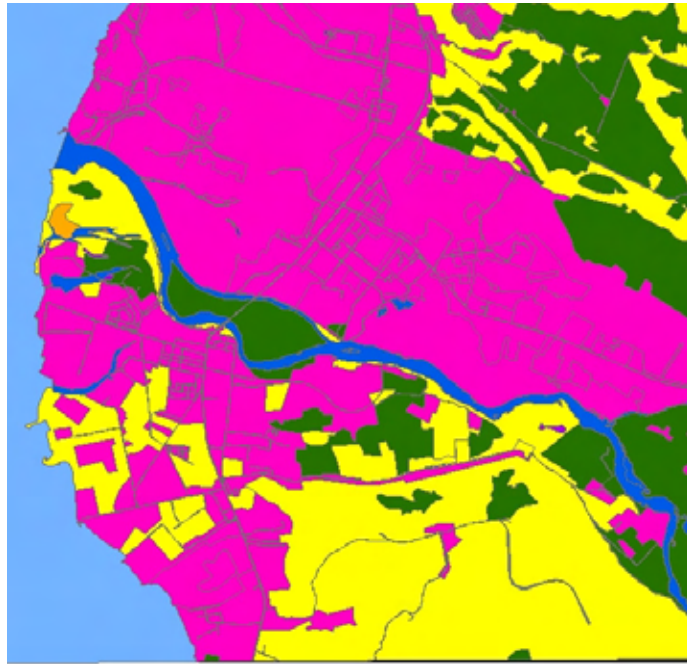
Figure 7.9  
Typical Drawings for  
Drainage Sluices for  
Tagoloan River Improvement Plan



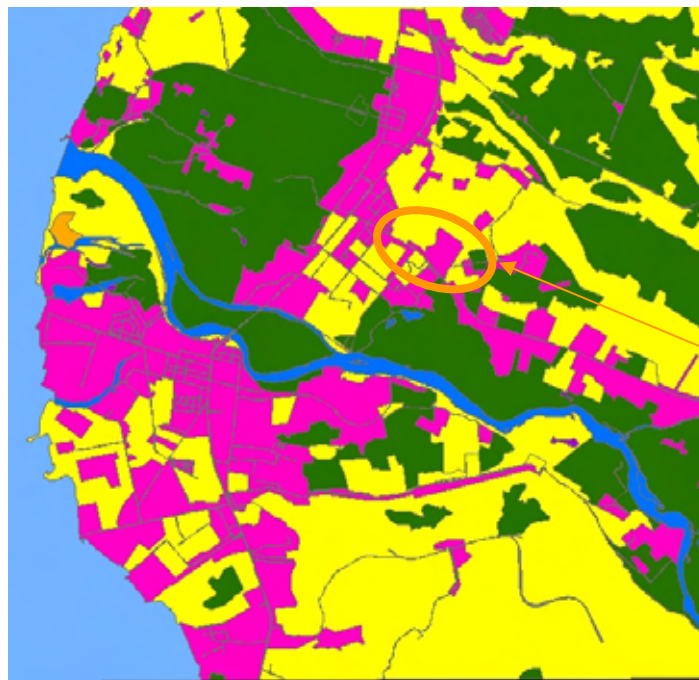
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Figure 7.10  
 Typical Foot Protection Structures for  
 Tagoloan River Improvement Plan



Future Land Use Condition (Newly Developed Area: 8.8km<sup>2</sup>)



Expected  
Diaposal  
Site

Existing Land Use Condition with Expected Disposal Site for Surplus Soils

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Figure 7.11  
Expected Disposal Sites for Surplus Soil for  
Tagoloan River Improvement Plan