

**N**

0 100 200 300 400 500 Meter

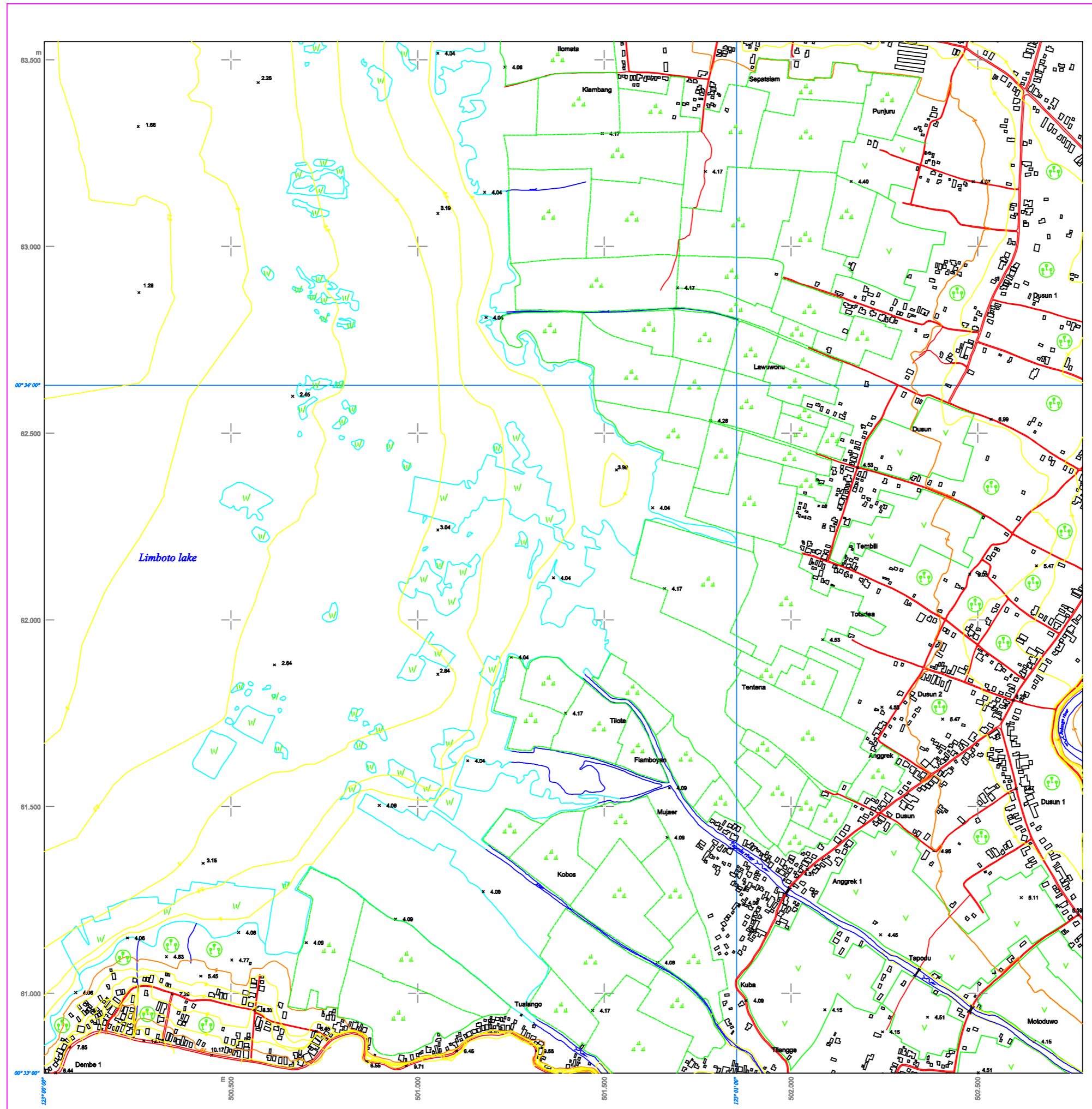
**LEGEND**

△ Existing Triangulation Point Titik Tetap Triangulasi	⊕ Electric Power Line Jalur Tegangan Tinggi
⊙ GPS Point Titik GPS	⊕ Cutting and Embankment Kerukan dan Timbunan
⊠ Existing Bench Mark Bench Mark	⊕ Swamp Rawa
x 12.88 Spot Height Titik Tinggi	⊕ Muslim graves Kuburan Muslim
⊠ House / Building Bangunan	⊕ Christian cemetery Kuburan Kristen
⊕ Factory Fabrik	⊕ Chinese graves Kuburan Cina
⊕ Public Hall Balai Kota	⊕ Paddy field Sawah
⊕ Police Station Kantor Polisi	⊕ Boundary of Vegetation Batas Tanaman
⊕ Fire Station Stasiun Pemadam Kebakaran	⊕ Field Ladang
⊕ Post Office Kantor Pos	⊕ Forest Hutan
⊕ Mosque Masjid	⊕ Grass Rumput
⊕ Church Gereja	⊕ Tree Pohon
⊕ Hospital Rumah Sakit	⊕ Water hole Lubang Air
⊕ School Sekolahan	⊕ Sluice Pintu Air
⊕ Market Pasar	⊕ Pipe Culvert Gorong - gorong
⊕ Telephone Office Kantor Telepon	⊕ Monuments Tugu
⊕ Government Office Kantor Pemerintahan	⊕ Contour Line Garis Kontur
⊕ Hotel Hotel	
⊕ Gasoline Pump Pompa Bensin	
⊕ Road Jalan	⊕ Pond, lake Kolam, danau
⊕ Path Jalan Sepapak	⊕ Sand Pasir
⊕ Bridge Jembatan	⊕ Land Slide Tebing
⊕ Station Stasiun	⊕ a. River / Sungai
⊕ Subdistrict Boundary Batas Kecamatan	⊕ b. Rivulet / Anak Sungai
⊕ Village Boundary Batas Kelurahan	⊕ c. Direction / Arah Sungai

**INDEX MAP**

- Aerial Photography ( 1 / 25.000 ) : August 2001  
 - Topographic map ( 1 / 5.000 ) : October 2001  
 - Horizontal System : UTM ( 51 Zone )  
 - Elevation System : MSL  
 - Contour Interval : 1 m

<b>DIRECTORATE GENERAL OF WATER RESOURCES, MINISTRY OF SETTLEMENT AND REGIONAL INFRASTRUCTURE</b>	
<b>THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT IN LIMBOTO - BOLANGO - BONE BASIN</b>	
<b>TOPOGRAPHIC MAP : LAKE LIMBOTO</b>	
Checked by	Approved by
Name PT. ATLAS DELTASATYA	Isoo Kusnima
Signature	
Date October 8, 2001	October 19, 2001
<b>JICA</b> JAPAN INTERNATIONAL COOPERATION AGENCY	<b>PT. ATLAS DELTASATYA</b> JALAN ... NO. ... TEL. : ... FAX : ...
	SHEET No. <b>13/17</b>



**LEGEND**

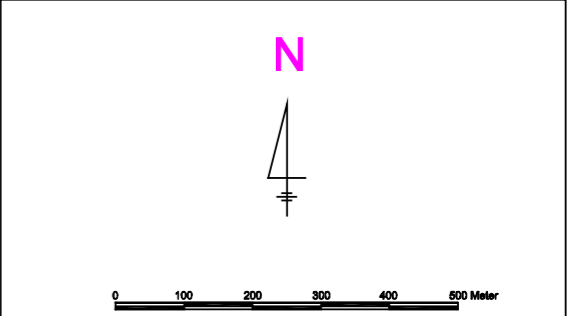
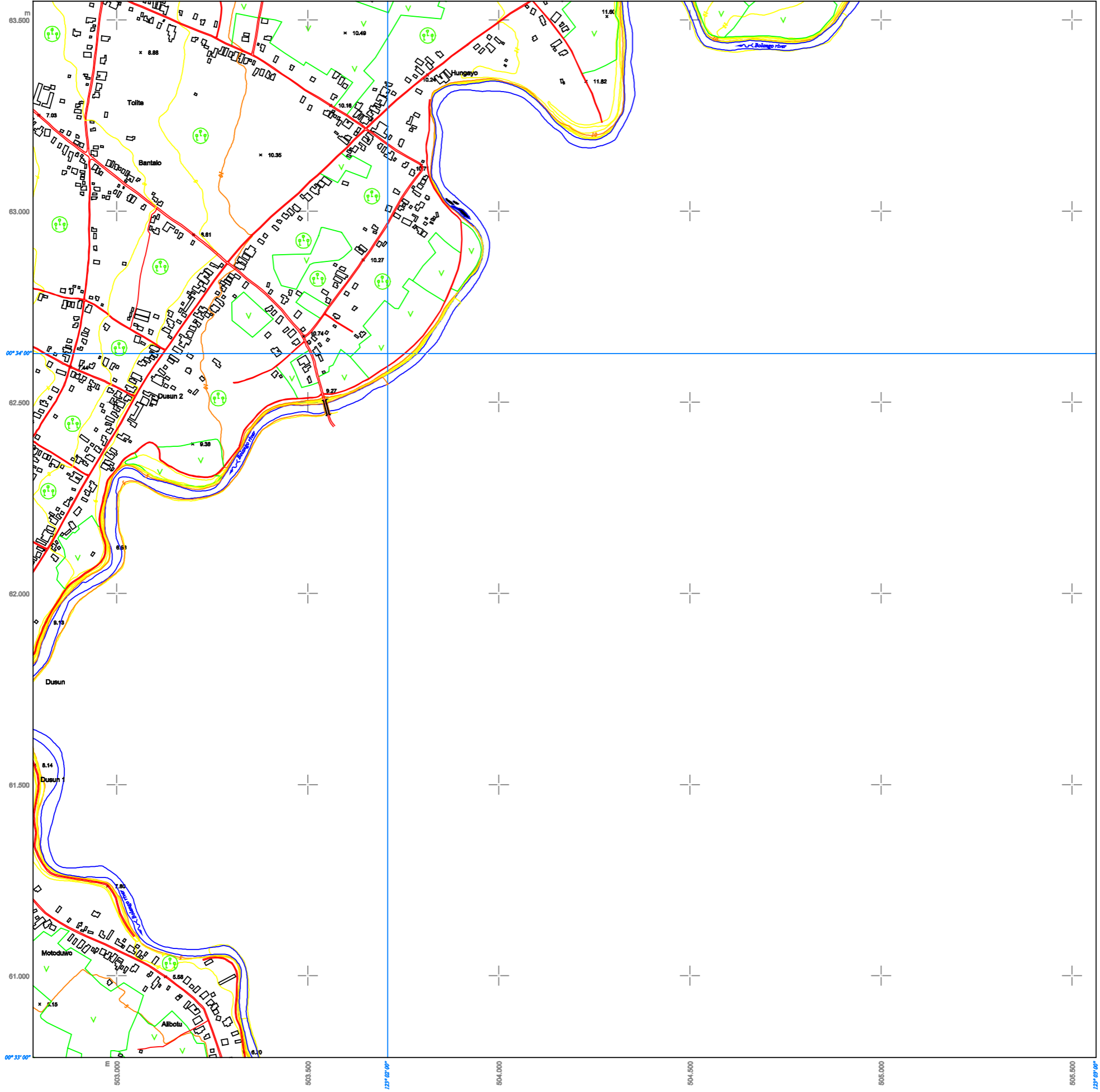
△ Existing Triangulation Point Titik Tetap Triangulasi	⊕ Electric Power Line Jalur Tegangan Tinggi
⊙ GPS Point Titik GPS	⊓ Cutting and Embankment Kerukan dan Timbunan
⊠ Existing Bench Mark Bench Mark	⊔ Swamp Rawe
× Spot Height Titik Tinggi	⊕ Muslim graves Kuburan Muslim
⊡ House / Building Bangunan	⊖ Christian cemetery Kuburan Kristen
⊢ Factory Pabrik	⊗ Chinese graves Kuburan Cina
⊣ Public Hall Balai Kota	⊘ Paddy field Sawah
⊤ Police Station Kantor Polisi	⊙ Boundary of Vegetation Batas Tanaman
⊥ Fire Station Stasiun Pemadam Kebakaran	⊖ Field Ladang
⊦ Post Office Kantor Pos	⊗ Forest Hutan
⊧ Mosque Masjid	⊘ Grass Rumput
⊨ Church Gereja	⊙ Tree Pohon
⊩ Hospital Rumah Sakit	⊠ Water hole Lubang Air
⊪ School Sekolahan	⊡ Stupa Pintu Air
⊫ Market Pasar	⊢ Pipe Culvert Gorong - gorong
⊬ Telephone Office Kantor Telepon	⊣ Monuments Tugu
⊭ Government Office Kantor Pemerintahan	⊤ Contour Line Garis Kontur
⊮ Hotel Hotel	⊥ Gasoline Pump Pompa Bensin
⊯ Road Jalan	⊦ Pond, lake Kolam, danau
⊰ Path Jalan Setapak	⊧ Sand Pasir
⊱ Bridge Jembatan	⊨ Land Slide Tebing
⊲ Station Stasiun	⊩ a. River / Sungai
⊳ Subdistrict Boundary Batas Kecamatan	⊪ b. Rivulet / Anak Sungai
⊴ Village Boundary Batas Kelurahan	⊫ c. Direction / Arah Sungai

**INDEX MAP**

- Aerial Photography (1/25,000)	: August 2001
- Topographic map (1/5,000)	: October 2001
- Horizontal System	: UTM (51 Zone)
- Elevation System	: MSL
- Contour interval	: 1 m

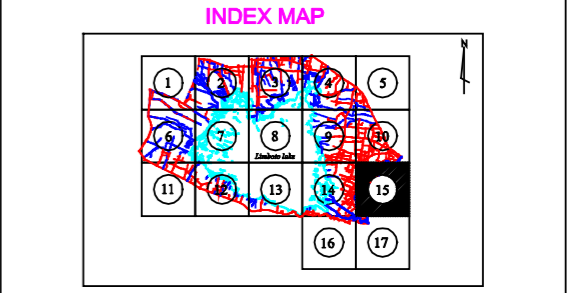
<b>DIRECTORATE GENERAL OF WATER RESOURCES, MINISTRY OF SETTLEMENT AND REGIONAL INFRASTRUCTURE</b>	
<b>THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT IN LIMBOTO - BOLANGO - BONE BASIN</b>	
<b>TOPOGRAPHIC MAP : LAKE LIMBOTO</b>	
Checked by	Approved by
Name PT. ATLAS DELTASATYA	Isoo Kusihina
Signature	
Date October 9, 2001	October 10, 2001

<b>JICA</b> JAPAN INTERNATIONAL COOPERATION AGENCY	 PT. ATLAS DELTASATYA JALAN ...	SHEET No. <b>14/17</b>
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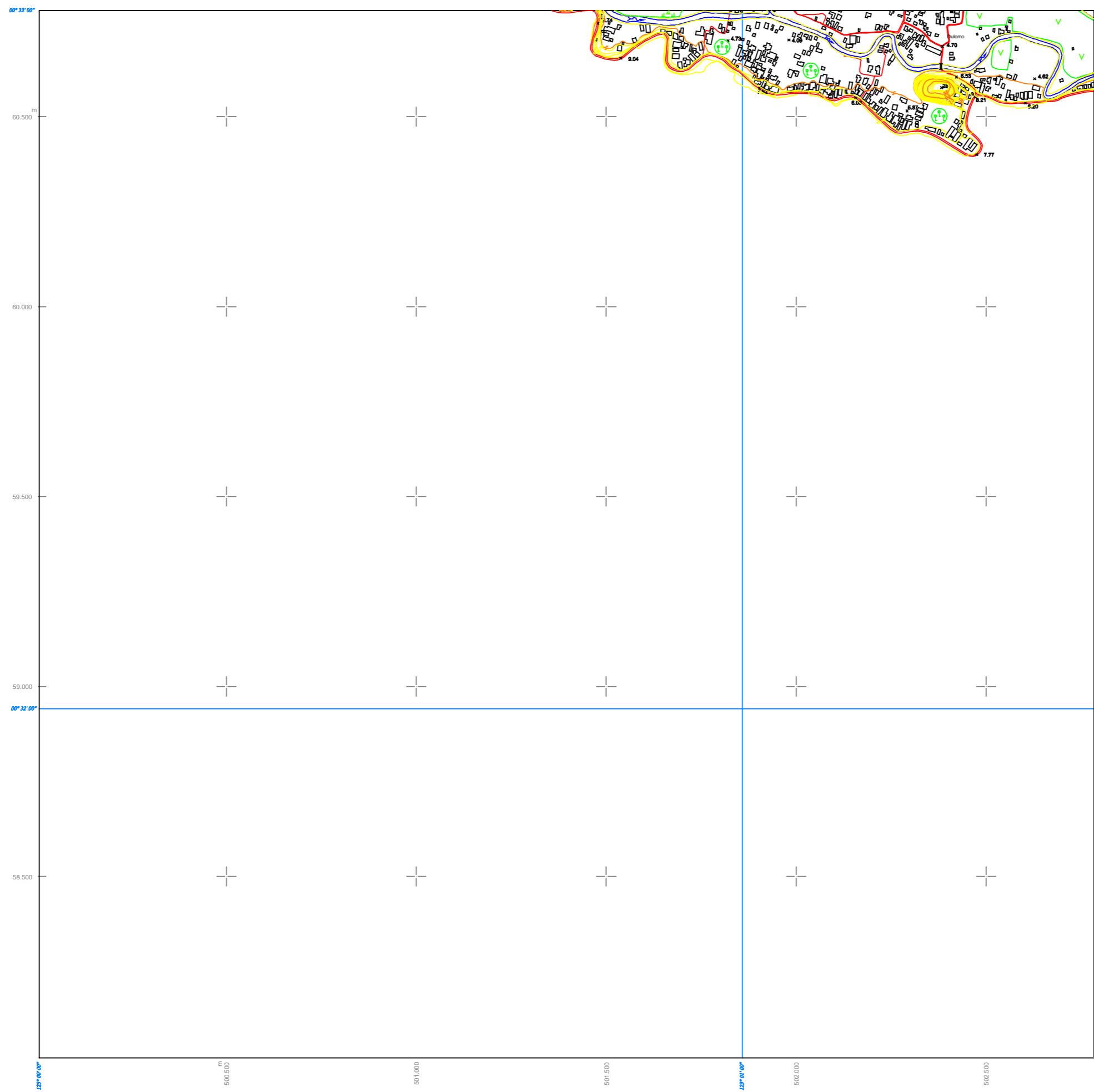
**LEGEND**


△ Existing Triangulation Point Titik Tetap Triangulasi	⊙ GPS Point Titik GPS	⊠ Existing Bench Mark Bench Mark	x 12.88 Spot Height Titik Tinggi	⊞ House / Building Bangunan	⊞ Factory Pabrik	⊞ Public Hall Balai Kota	⊞ Police Station Kantor Polisi	⊞ Fire Station Stasiun Pemadam Kebakaran	⊞ Post Office Kantor Pos	⊞ Mosque Masjid	⊞ Church Gereja	⊞ Hospital Rumah Sakit	⊞ School Sekolahan	⊞ Market Pasar	⊞ Telephone Office Kantor Telepon	⊞ Government Office Kantor Pemerintahan	⊞ Hotel Hotel	⊞ Gasoline Pump Pompa Bensin	⊞ Road Jalan	⊞ Path Jalan Sepak	⊞ Bridge Jembatan	⊞ Station Stasiun	⊞ Subdistrict Boundary Batas Kecamatan	⊞ Village Boundary Batas Kelurahan	⊞ Electric Power Line Jalur Tegangan Tinggi	⊞ Cutting and Embankment Kerukan dan Timbunan	⊞ Swamp Rawe	⊞ Muslim graves Kuburan Muslim	⊞ Christian cemetery Kuburan Kristen	⊞ Chinese graves Kuburan Cina	⊞ Paddy field Sawah	⊞ Boundary of Vegetation Batas Tanaman	⊞ Field Ladang	⊞ Forest Hutan	⊞ Grass Rumput	⊞ Tree Pohon	⊞ Water hole Lubang Air	⊞ Sluice Pintu Air	⊞ Pipe Culvert Gorong - gorong	⊞ Monuments Tugu	⊞ Contour Line Garis Kontur	⊞ Pond, lake Kolam, danau	⊞ Sand Pasir	⊞ Land Slide Tebing	⊞ a. River / Sungai b. Rivulet / Anak Sungai c. Direction / Arah Sungai
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- Aerial Photography ( 1 / 25.000 ) : August 2001  
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 - Horizontal System : UTM ( 51 Zone )  
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 - Contour Interval : 1 m

<b>DIRECTORATE GENERAL OF WATER RESOURCES, MINISTRY OF SETTLEMENT AND REGIONAL INFRASTRUCTURE</b>	
<b>THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT IN LIMBOTO - BOLANGO - BONE BASIN</b>	
<b>TOPOGRAPHIC MAP : LAKE LIBOTO</b>	
Checked by	Approved by
Name PT. ATLAS DELTASATYA	Isao Isehime
Signature	
Date October 9, 2001	October 18, 2001
SHEET No. <b>15/17</b>	





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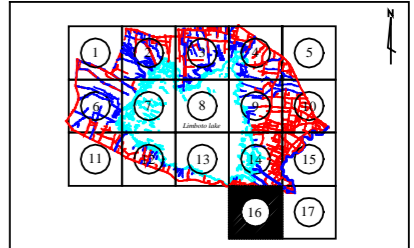


0 100 200 300 400 500 Meter


LEGEND



<ul style="list-style-type: none"> <li>▲ Existing Triangulation Point Titik Tetap Triangulasi</li> <li>⊙ GPS Point Titik GPS</li> <li>⊠ Existing Bench Mark Bench Mark</li> <li>⊗ Spot Height Titik Tinggi</li> <li>🏠 House / Building Bangunan</li> <li>Ⓜ Factory Pabrik</li> <li>Ⓜ Public Hall Balai Kota</li> <li>Ⓜ Police Station Kantor Polisi</li> <li>Ⓜ Fire Station Stasiun Pemadam Kebakaran</li> <li>Ⓜ Post Office Kantor Pos</li> <li>🕌 Mosque Masjid</li> <li>Ⓜ Church Gereja</li> <li>Ⓜ Hospital Rumah Sakit</li> <li>Ⓜ School Sekolah</li> <li>Ⓜ Market Pasar</li> <li>Ⓜ Telephone Office Kantor Telepon</li> <li>Ⓜ Government Office Kantor Pemerintahan</li> <li>🏨 Hotel</li> <li>Ⓜ Gasoline Pump Pompa Bensin</li> <li>🚗 Road Jalan</li> <li>🚶 Path Jalan Setapak</li> <li>🌉 Bridge Jembatan</li> <li>🚂 Station Stasiun</li> <li>--- Subdistrict Boundary Batas Kecamatan</li> <li>- - - Village Boundary Batas Kelurahan</li> </ul>	<ul style="list-style-type: none"> <li>⚡ Electric Power Line Jalur Tegangan Tinggi</li> <li>Ⓜ Cutting and Embankment Kerukan dan Timbunan</li> <li>🌊 Swamp Rawai</li> <li>☪ Muslim graves Kuburan Muslim</li> <li>✝ Christian cemetery Kuburan Kristen</li> <li>🏠 Chinese graves Kuburan Cina</li> <li>🌾 Paddy field Sawah</li> <li>⋯ Boundary of Vegetation Batas Tanaman</li> <li>🌱 Field Ladang</li> <li>🌳 Forest Hutan</li> <li>🌿 Grass Rumput</li> <li>🌳 Tree Pohon</li> <li>🕒 Water hole Lubang Air</li> <li>🚰 Sluice Pintu Air</li> <li>🚰 Pipe Culvert Gorong-gorong</li> <li>🗿 Monuments Tugu</li> <li>📏 Contour Line Garis Kontur</li> <li>🌊 Pond lake Kolam, danau</li> <li>🏖 Sand Pasir</li> <li>🏔 Land Slide Tebing</li> <li>🌊 a. River / Sungai b. Rivulet / Anak Sungai c. Direction / Arah Sungai</li> </ul>
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 <b>DIRECTORATE GENERAL OF WATER RESOURCES, MINISTRY OF SETTLEMENT AND REGIONAL INFRASTRUCTURE</b>	
<b>THE STUDY ON FLOOD CONTROL AND WATER MANAGEMENT IN LIMBOTO - BOLANGO - BONE BASIN</b>	
<b>TOPOGRAPHIC MAP : LAKE LIMBOTO</b>	
Checked by	Approved by
PT. ATLAS DELTASATYA	Isao Ikeshima
Signature	Signature
Date October 9, 2001	Date October 19, 2001

 <b>JICA JAPAN INTERNATIONAL COOPERATION AGENCY</b>	 <b>PT. ATLAS DELTASATYA</b> <small>PT. ATLAS DELTASATYA (PT. ATLAS DELTASATYA) PT. ATLAS DELTASATYA (PT. ATLAS DELTASATYA) PT. ATLAS DELTASATYA (PT. ATLAS DELTASATYA)</small>	SHEET No. <b>16/17</b>
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