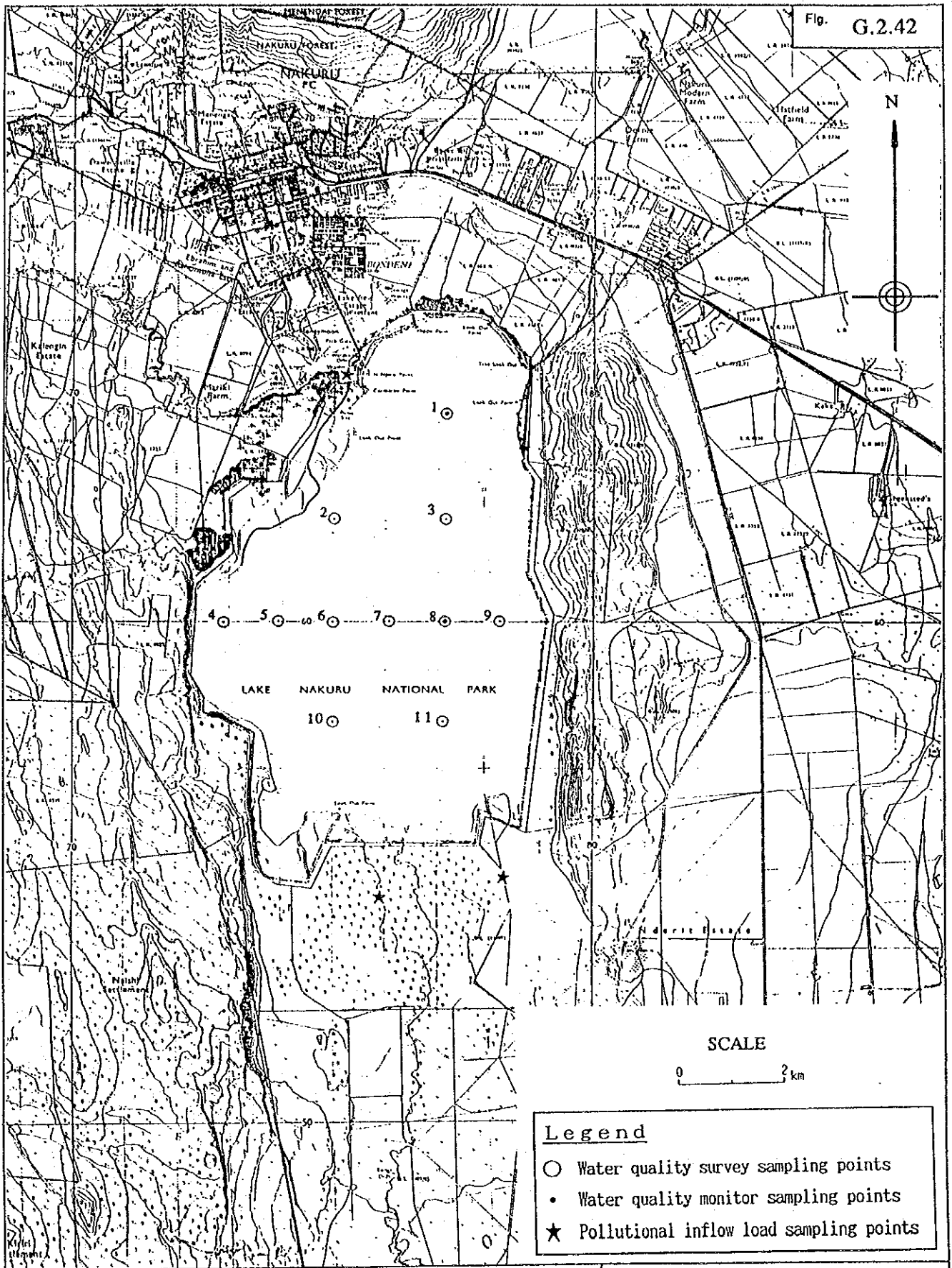


Fig. G.2.42

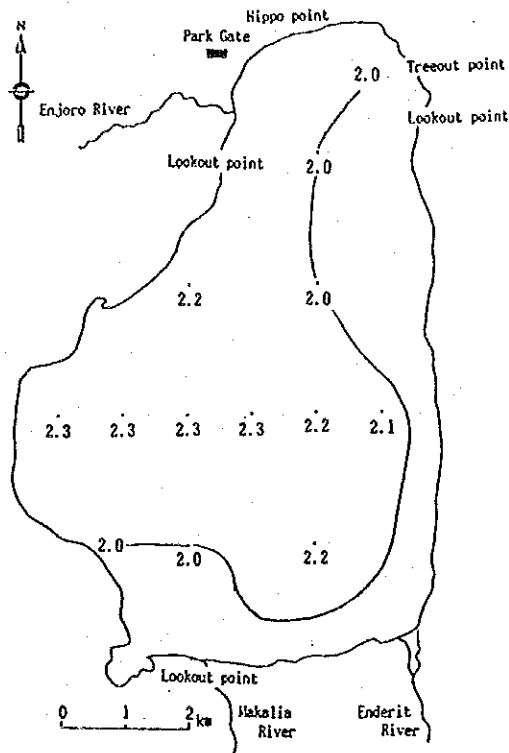


Legend

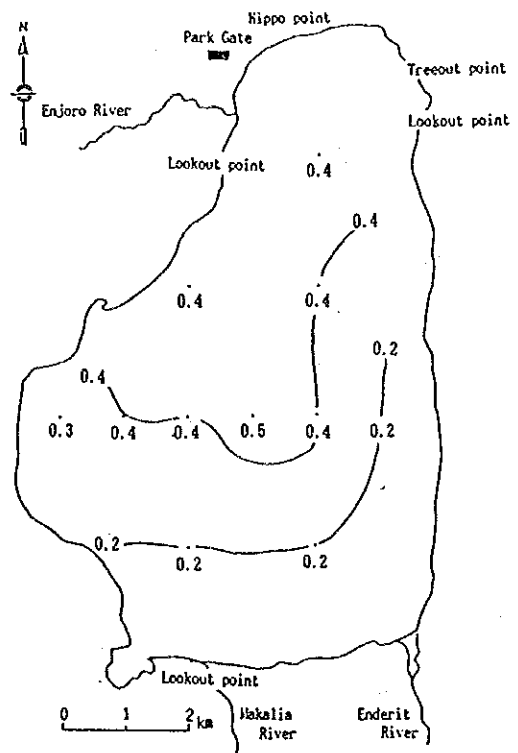
- Water quality survey sampling points
- Water quality monitor sampling points
- ★ Pollution inflow load sampling points

<p>THE REPUBLIC OF KENYA MINISTRY OF WATER DEVELOPMENT NATIONAL WATER CONSERVATION AND PIPELINE CORPORATION</p>	<p>THE STUDY FOR CONSTRUCTION OF DAM IN MALEWA RIVER SYSTEM GREATER NAKURU WATER SUPPLY PROJECT EASTERN DIVISION</p> <p>JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE Topography and Water Sampling Points in and around Lake Nakuru</p>
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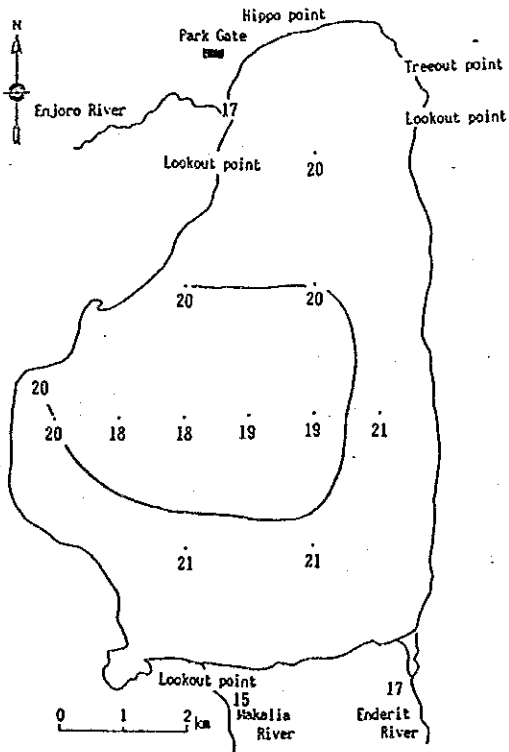
Fig. G.2.43



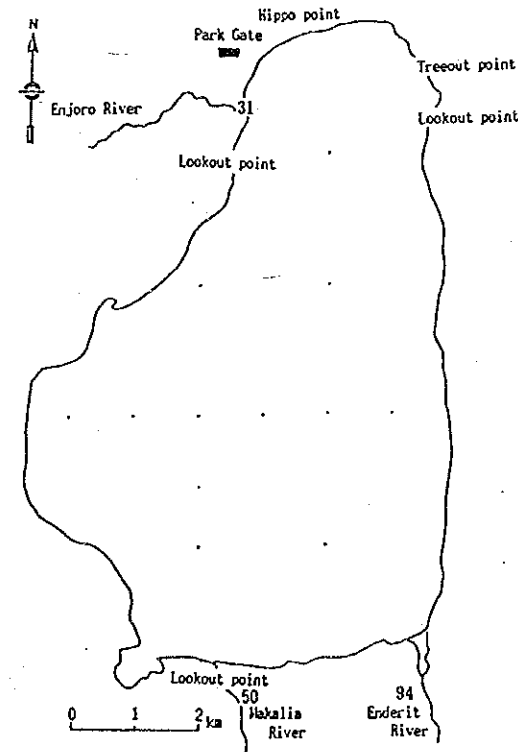
Depth (m)



Transparency (m)



Color of Water



Turbidity (mg/l)

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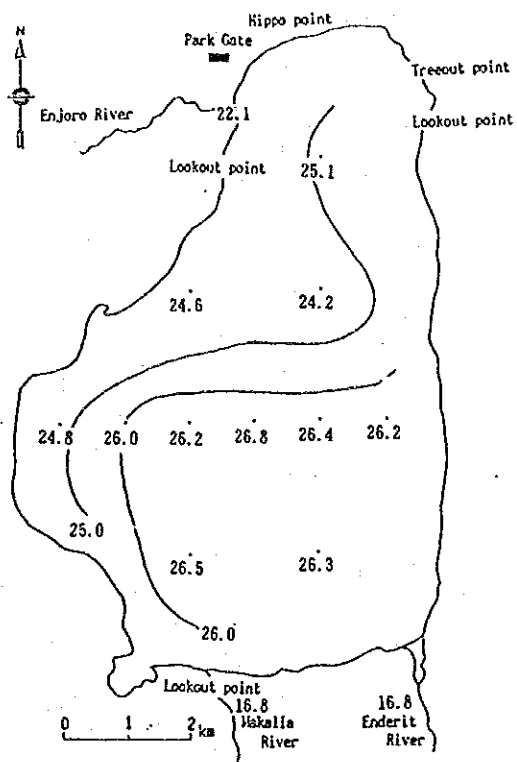
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 GREATER NAKURU WATER SUPPLY PROJECT
 EASTERN DIVISION

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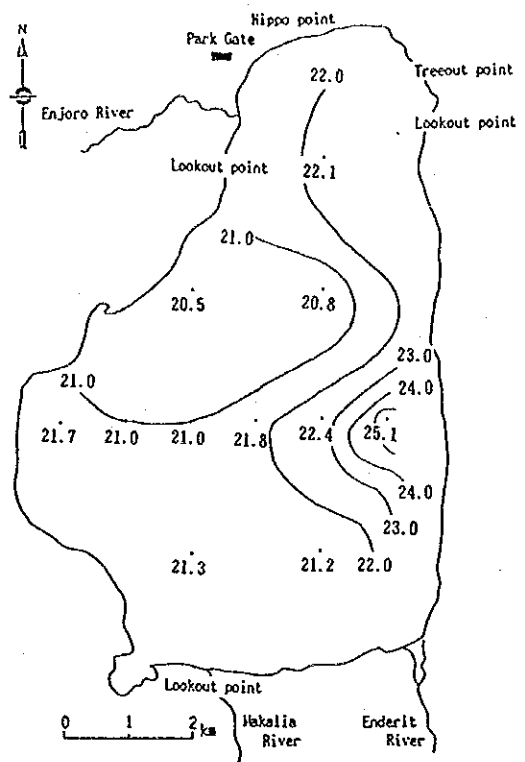
TITLE (1/6)

Horizontal distribution of
 Water quality in Lake Nakuru

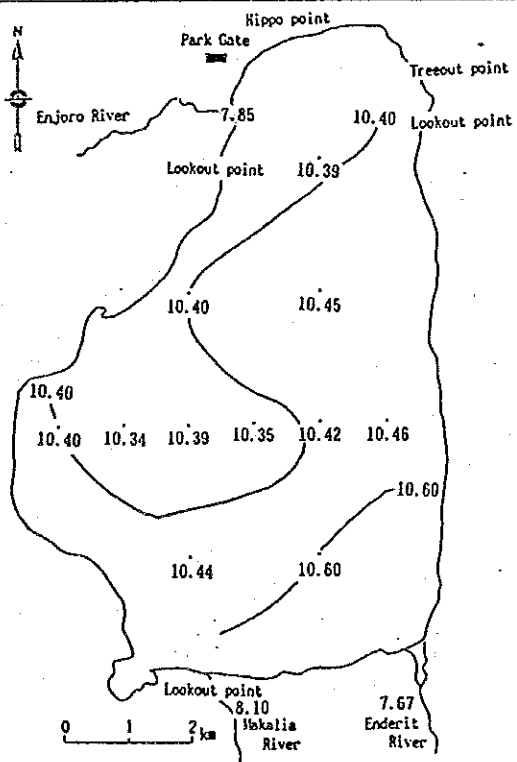
Fig. G.2.44



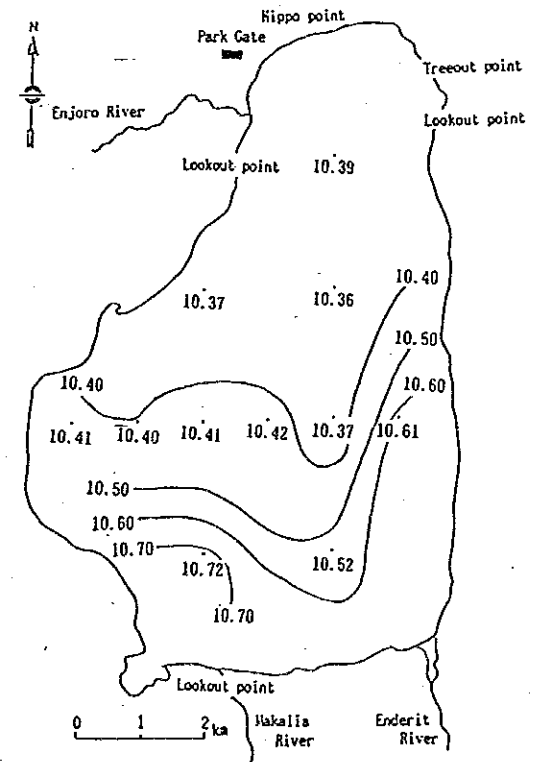
Temperature (°C) (Surface)



Temperature (°C) (Bottom)



pH (Surface)



pH (Bottom)

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 AND PIPELINE CORPORATION

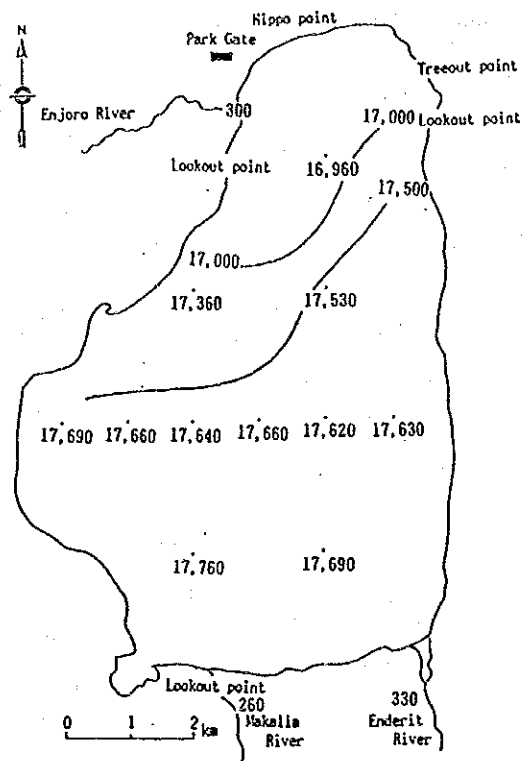
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 IN MALEWA RIVER SYSTEM
 GREATER NAKURU WATER SUPPLY PROJECT
 EASTERN DIVISION

JAPAN INTERNATIONAL COOPERATION AGENCY

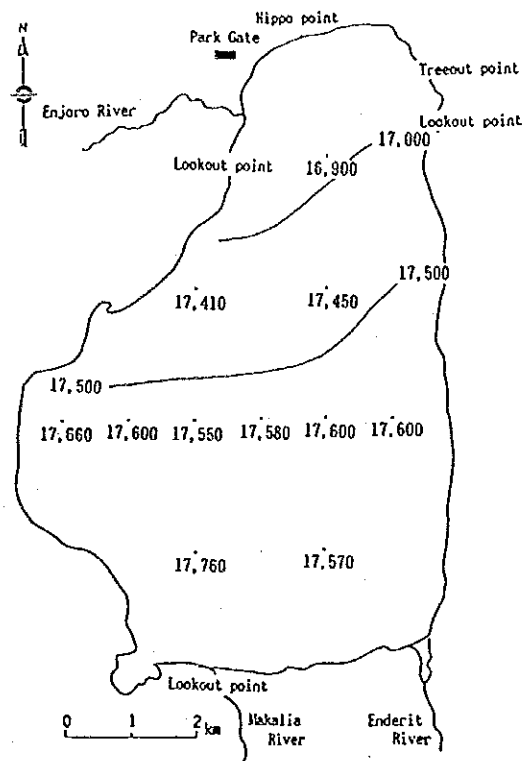
TITLE (2/6)

Horizontal distribution of
 Water quality in Lake Nakuru

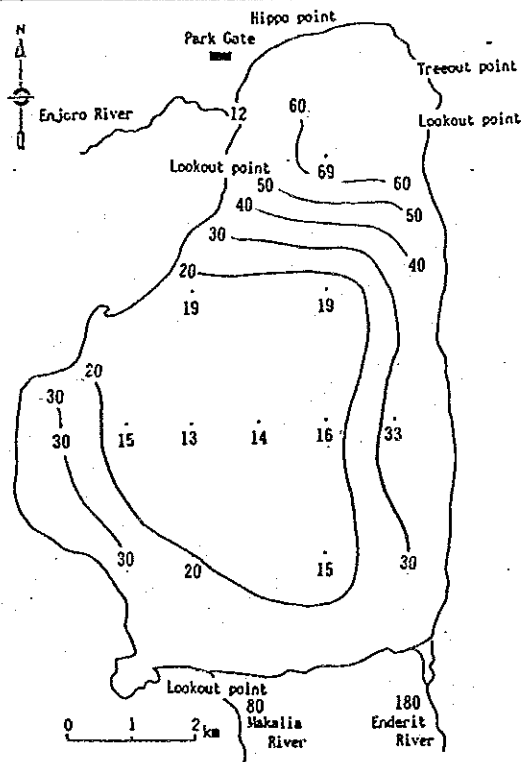
Fig. G.2.45



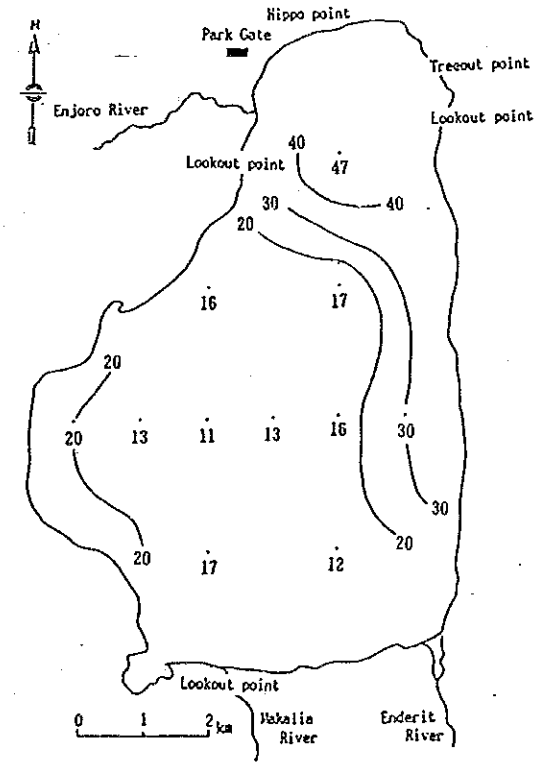
Conductivity ($\mu\text{S}/\text{cm}$) (Surface)



Conductivity ($\mu\text{S}/\text{cm}$) (Bottom)



SS (mg/ℓ) (Surface)



SS (mg/ℓ) (Bottom)

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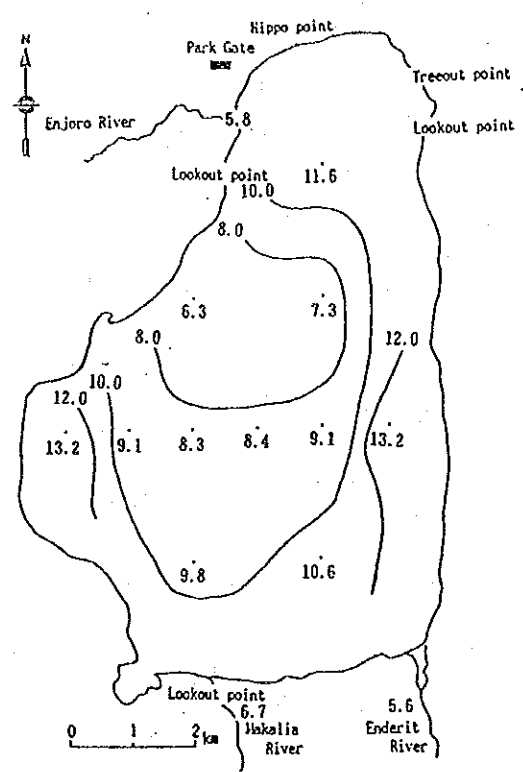
THE STUDY FOR CONSTRUCTION OF DAM
 IN MALEWA RIVER SYSTEM
 GREATER NAKURU WATER SUPPLY PROJECT
 EASTERN DIVISION

JAPAN INTERNATIONAL COOPERATION AGENCY

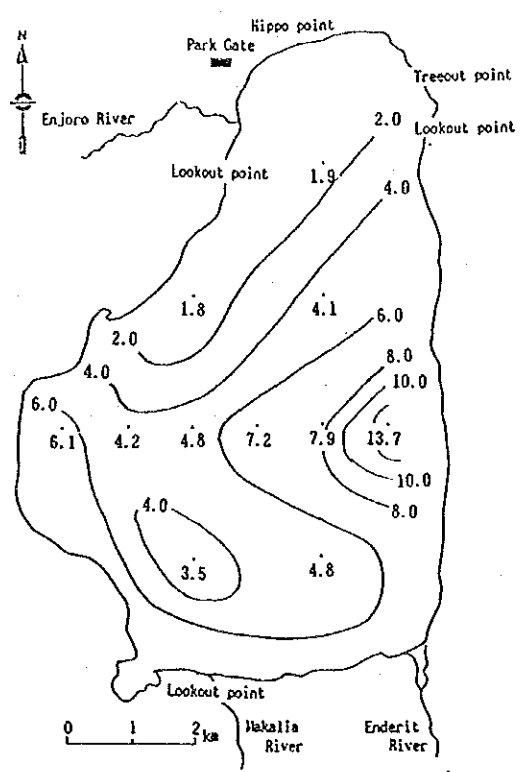
TITLE (3/6)

Horizontal distribution of
 Water quality in Lake Nakuru

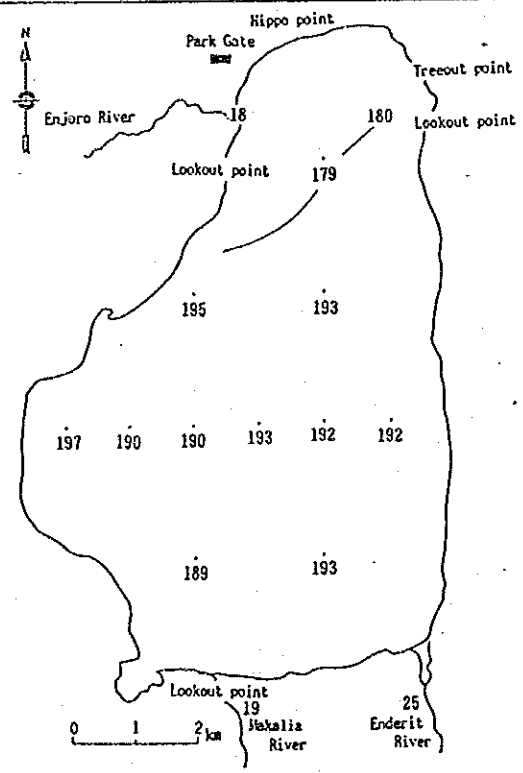
Fig. G.2.46



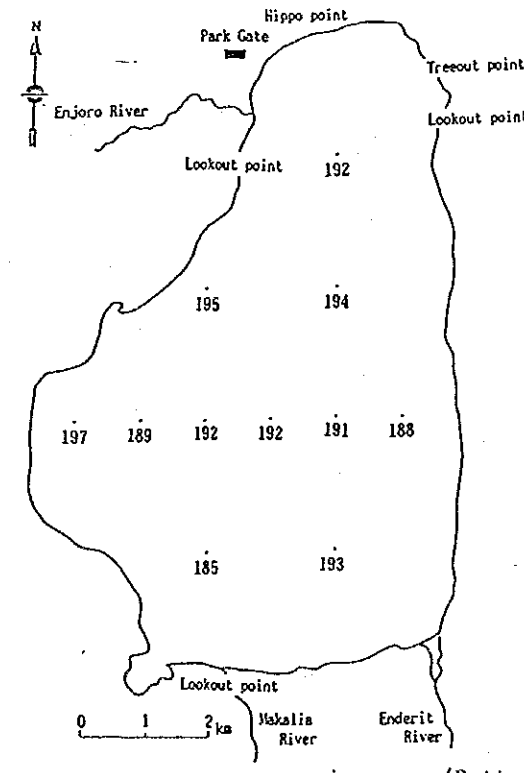
DO (mg/l) (Surface)



DO (mg/l) (Bottom)



COD (mg/l) (Surface)

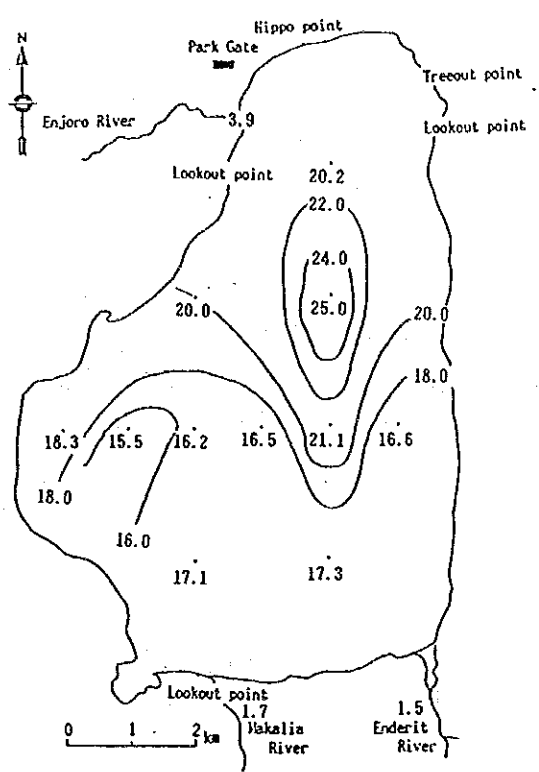


COD (mg/l) (Bottom)

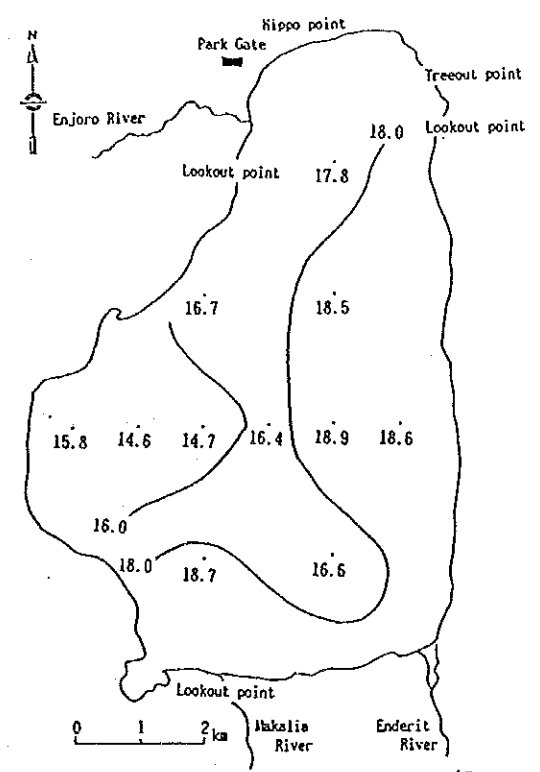
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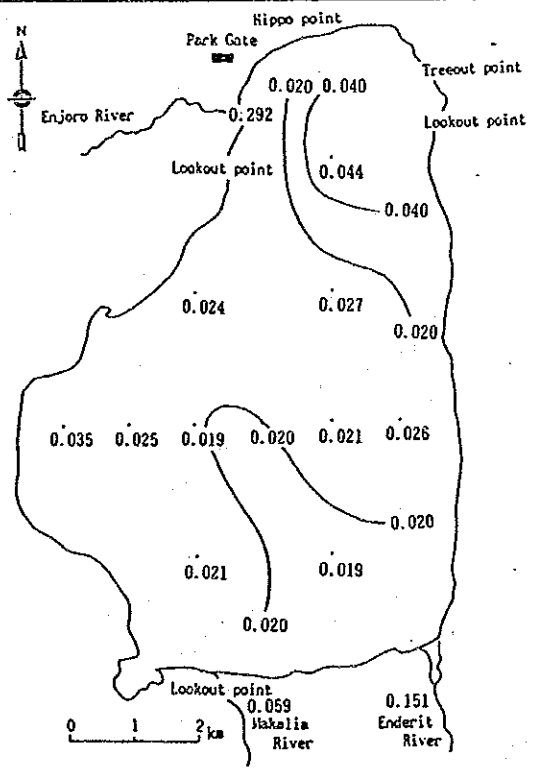
TITLE (4/6)
 Horizontal distribution of
 Water quality in Lake Nakuru



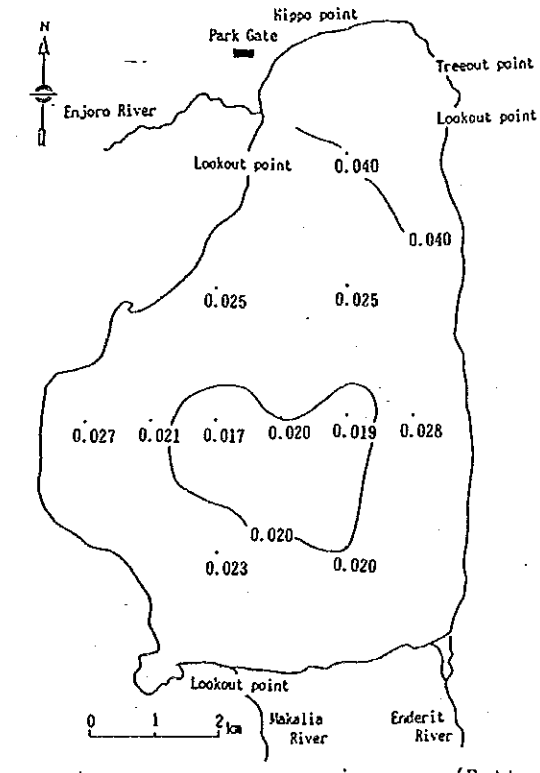
NO_3-N (mg/l) (Surface)



NO_3-N (mg/l) (Bottom)



NO_2-N (mg/l) (Surface)

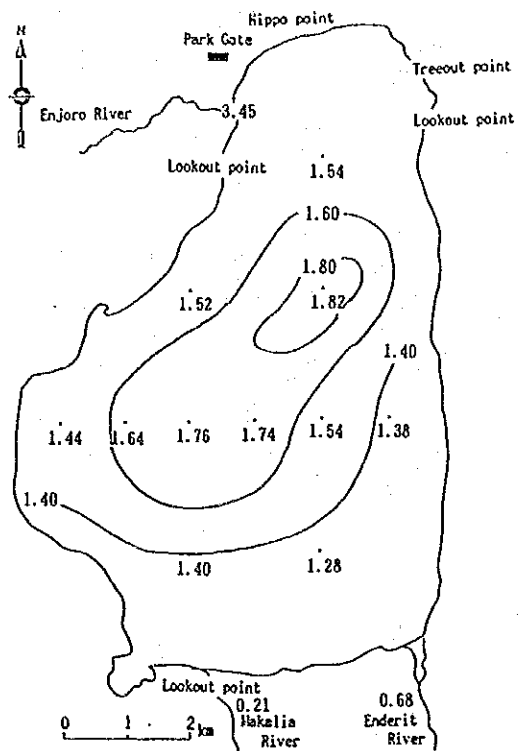


NO_2-N (mg/l) (Bottom)

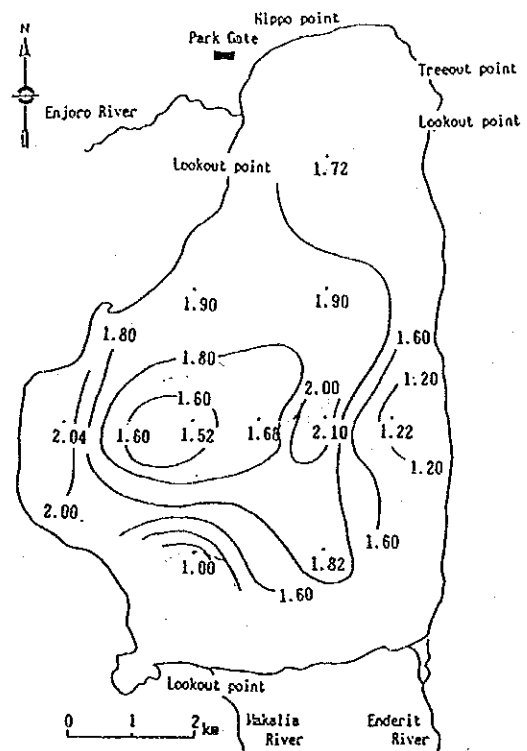
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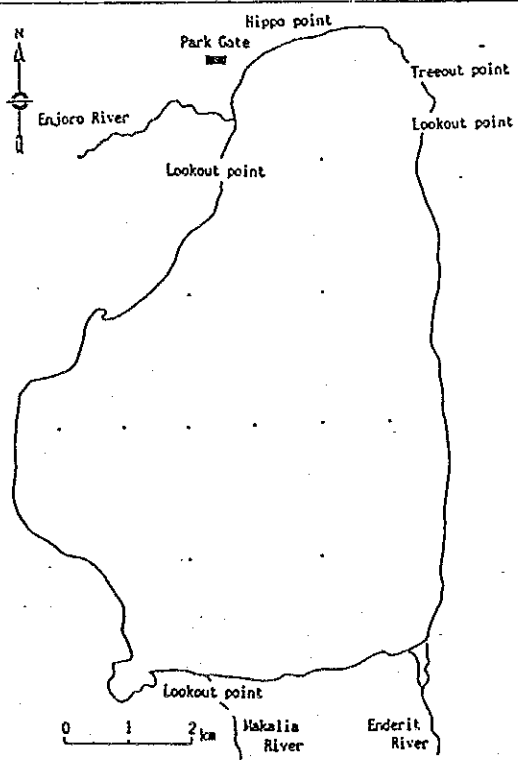
TITLE (5/6)
 Horizontal distribution of
 Water quality in Lake Nakuru



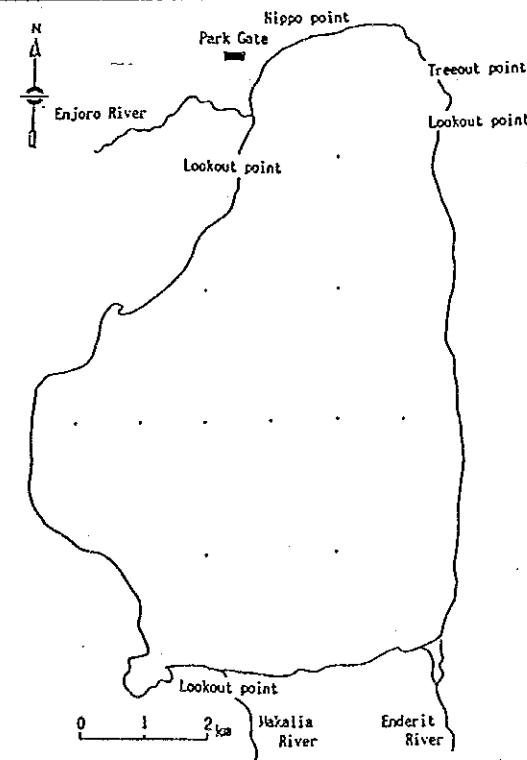
PO_4-P (mg/l) (Surface)



PO_4-P (mg/l) (Bottom)



(Surface)



(Bottom)

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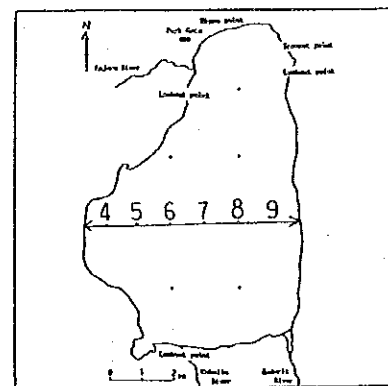
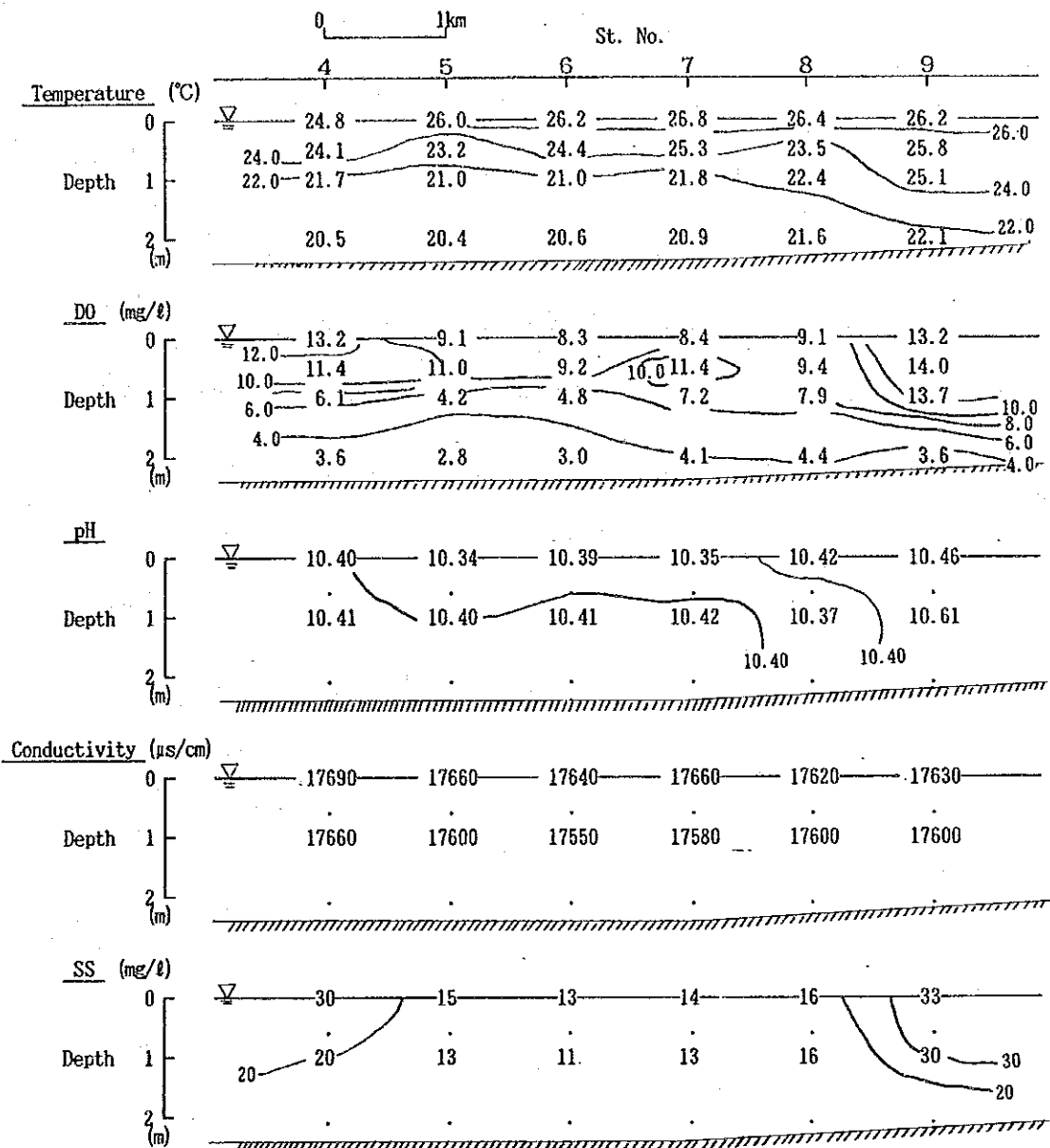
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TITLE (6/6)

Horizontal distribution of
 Water quality in Lake Nakuru

Fig. G.2.49



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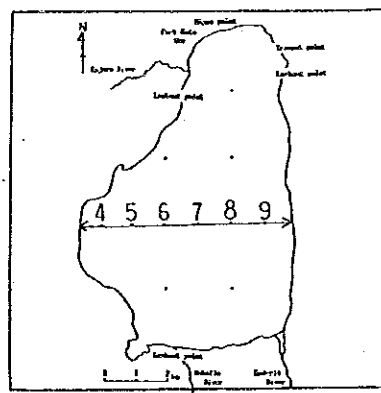
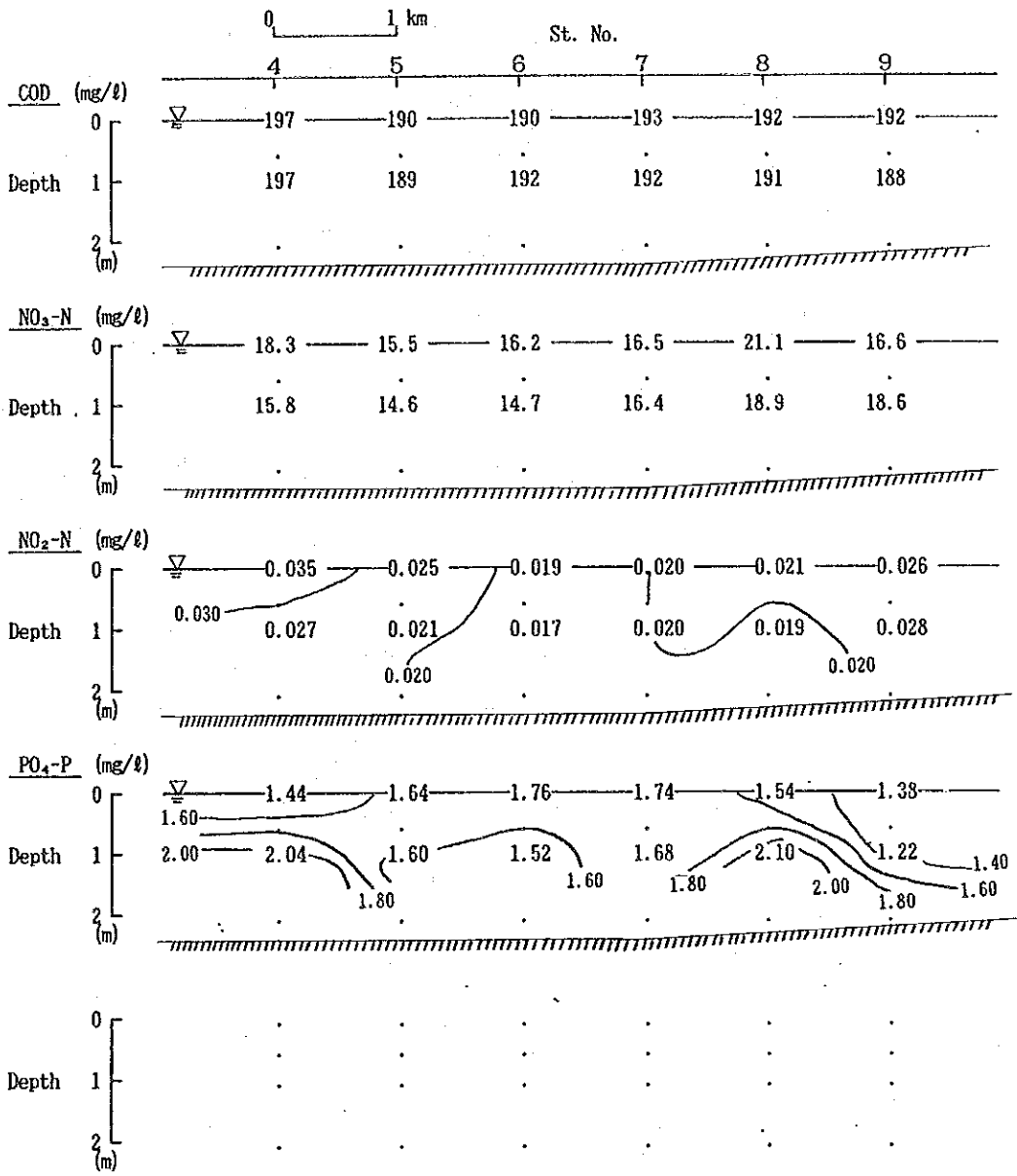
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TITLE

Distribution of Water quality
 in a Vertical section of Lake
 Nakuru (1/4)

Fig. G.2.50

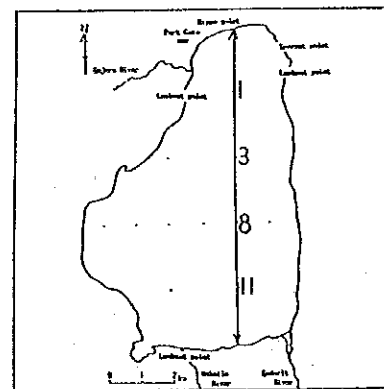
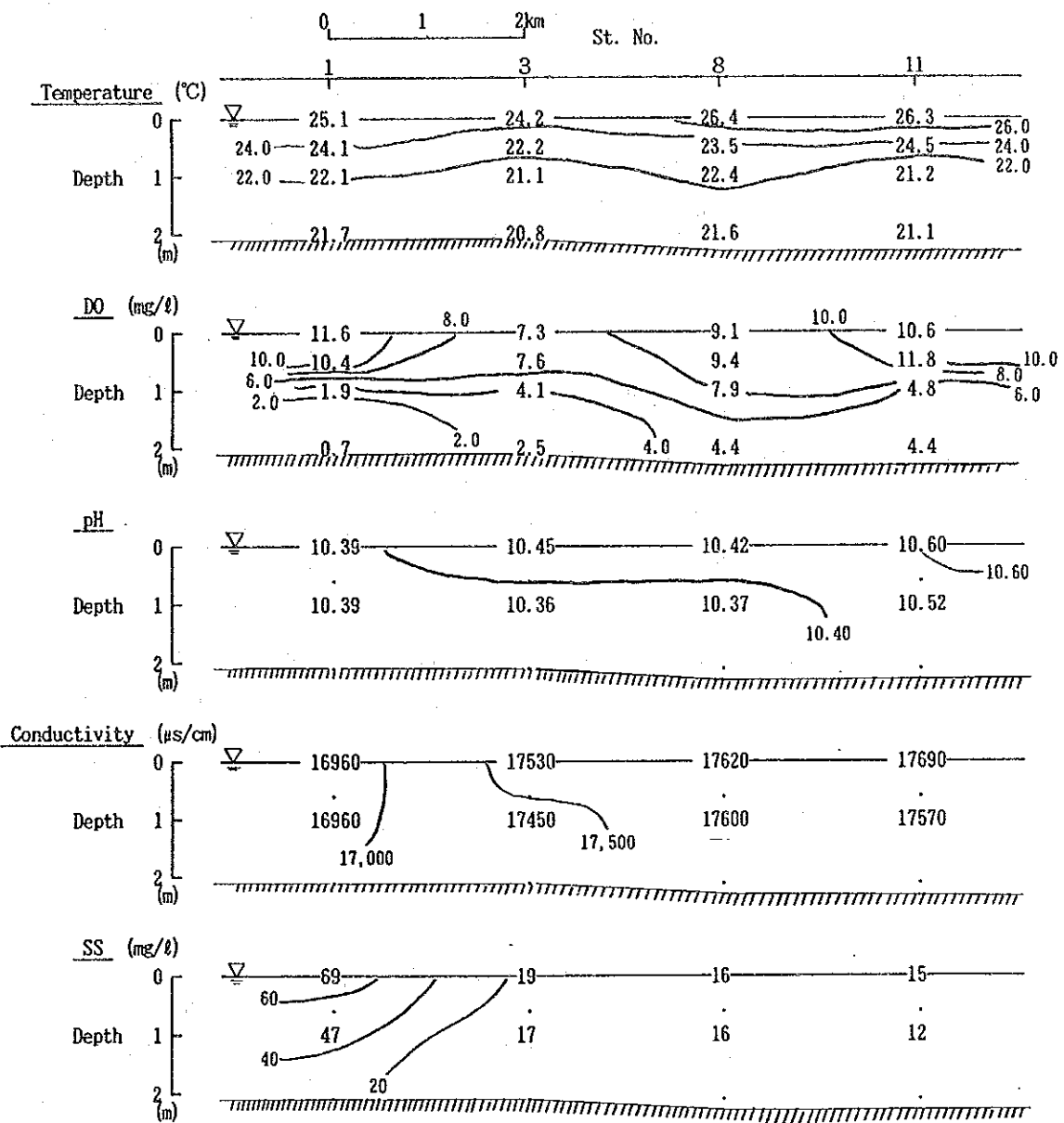


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TITLE
 Distribution of Water quality
 in a Vertical section of Lake
 Nakuru (2/4)

Fig. G.2.51



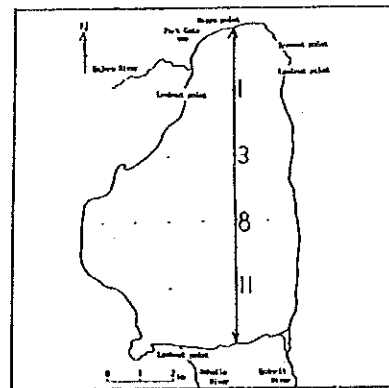
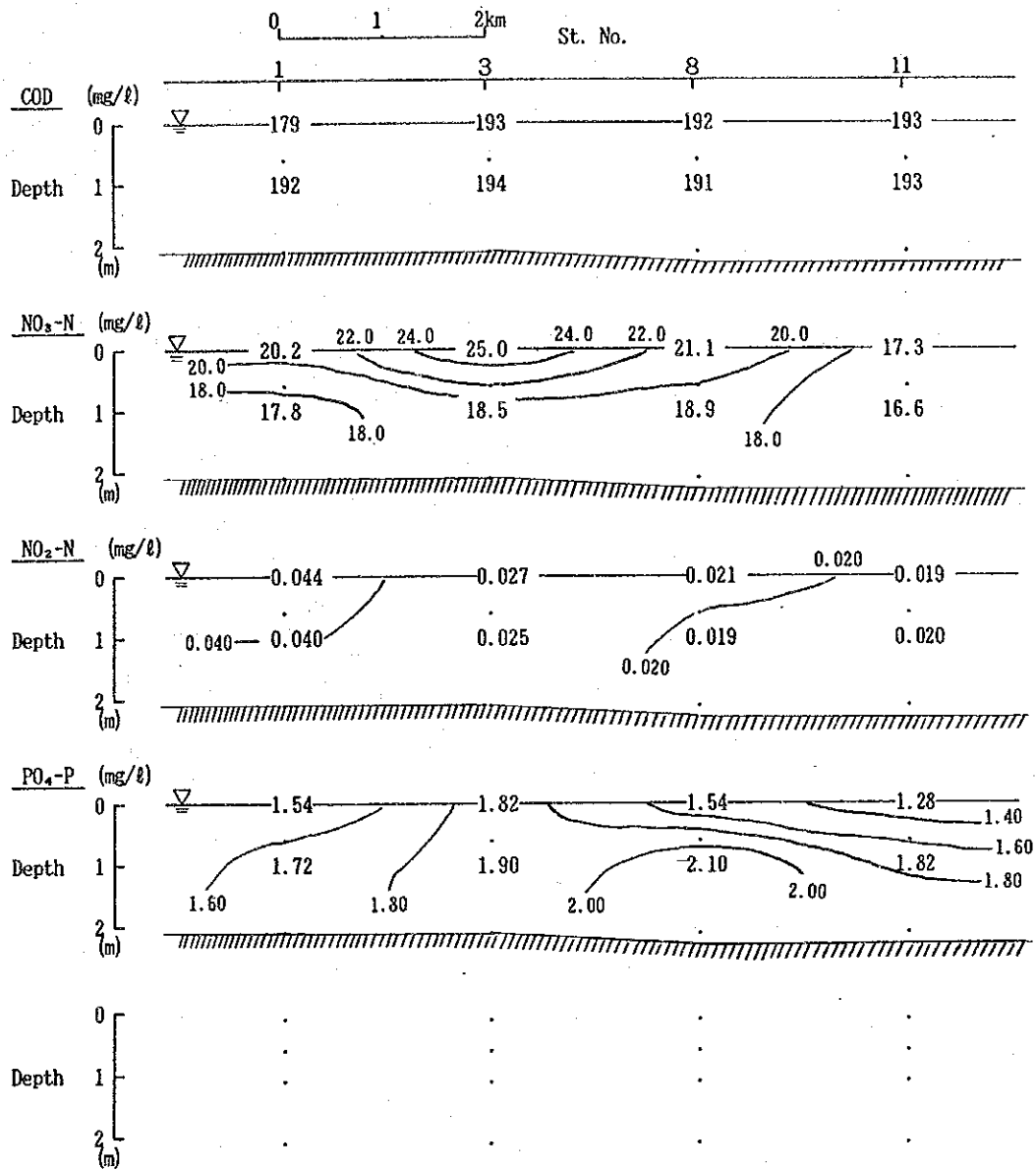
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TITLE
 Distribution of Water quality
 in a Vertical section of Lake
 Nakuru (3/4)

Fig. G.2.52



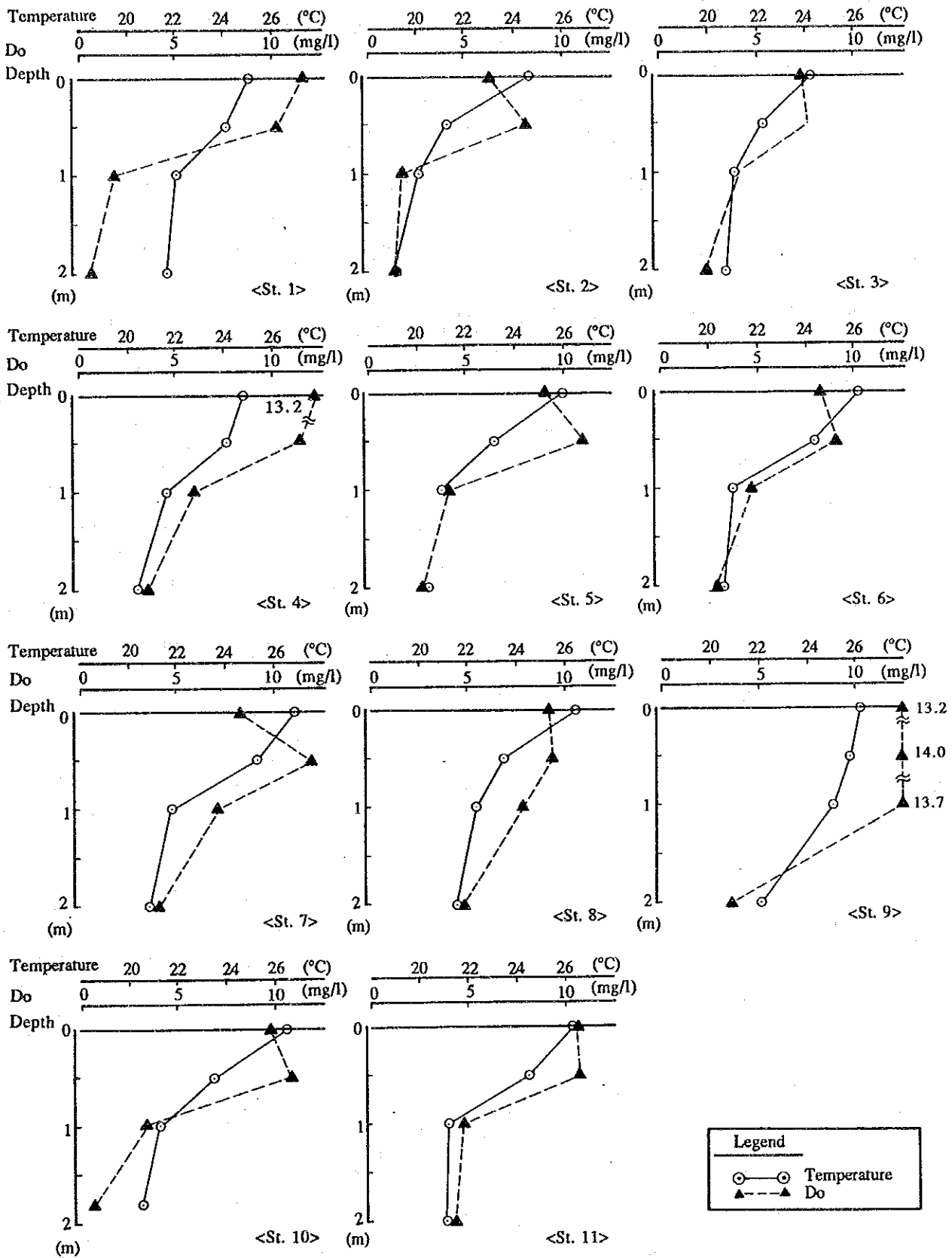
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TITLE
 Distribution of Water quality
 in a Vertical section of Lake
 Nakuru (4/4)

Fig. G.2.53



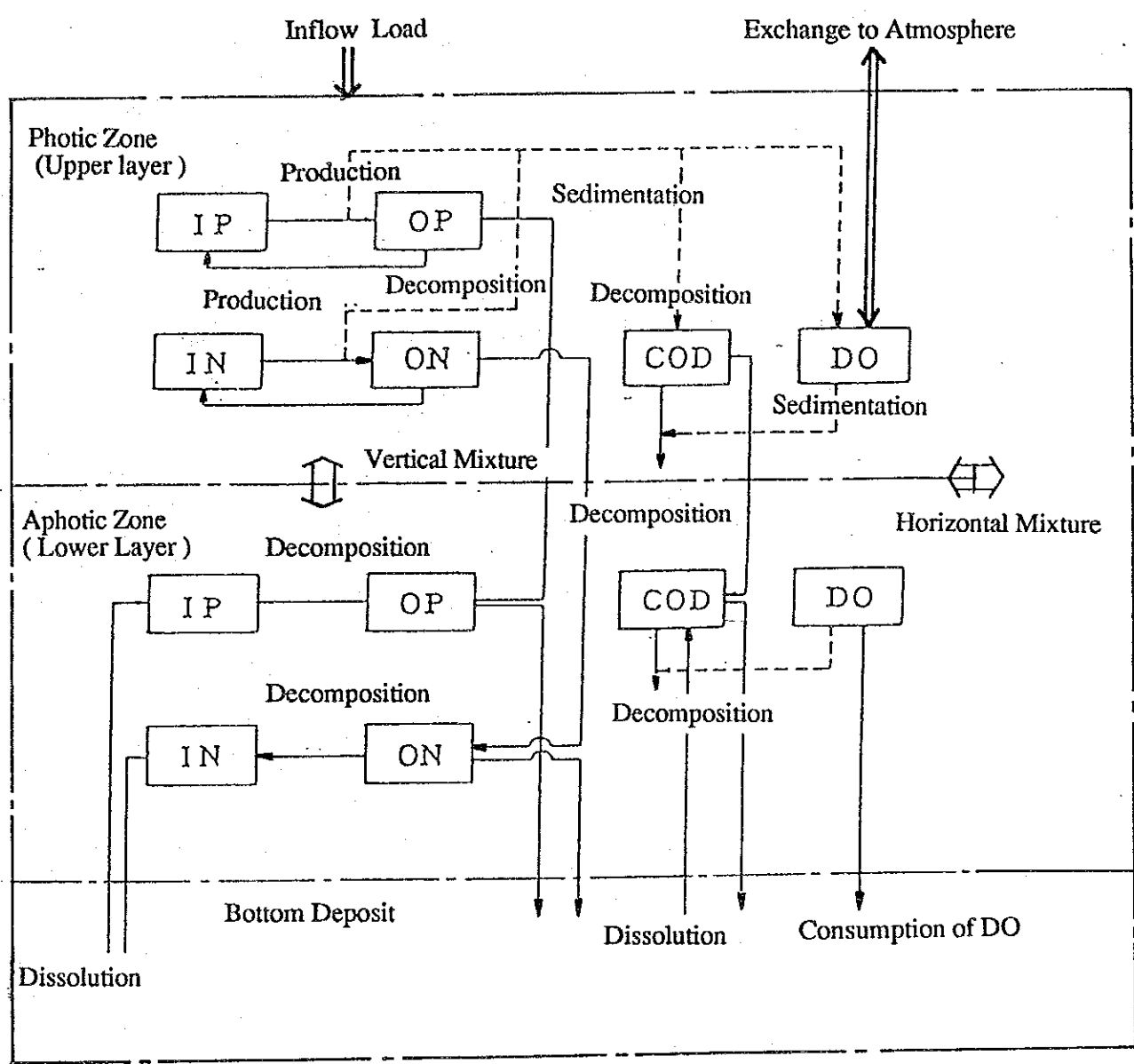
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TITLE
 Vertical distribution of Water
 quality in Lake Nakuru

Fig. G.3.1

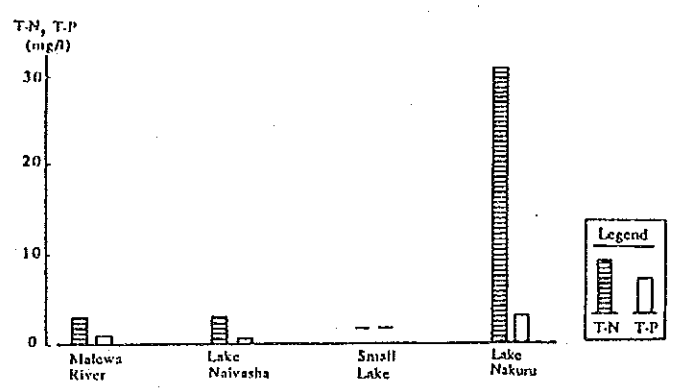
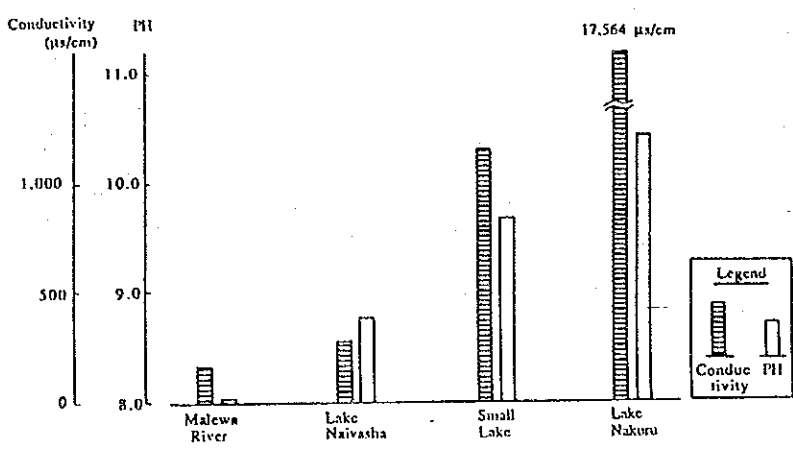
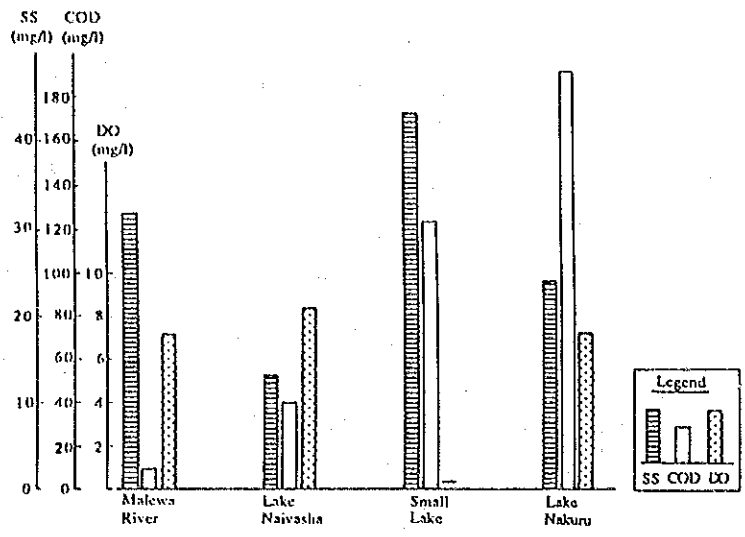


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TITLE
 Schematic Model of
 Water Quality Analysis

Fig. G.3.2

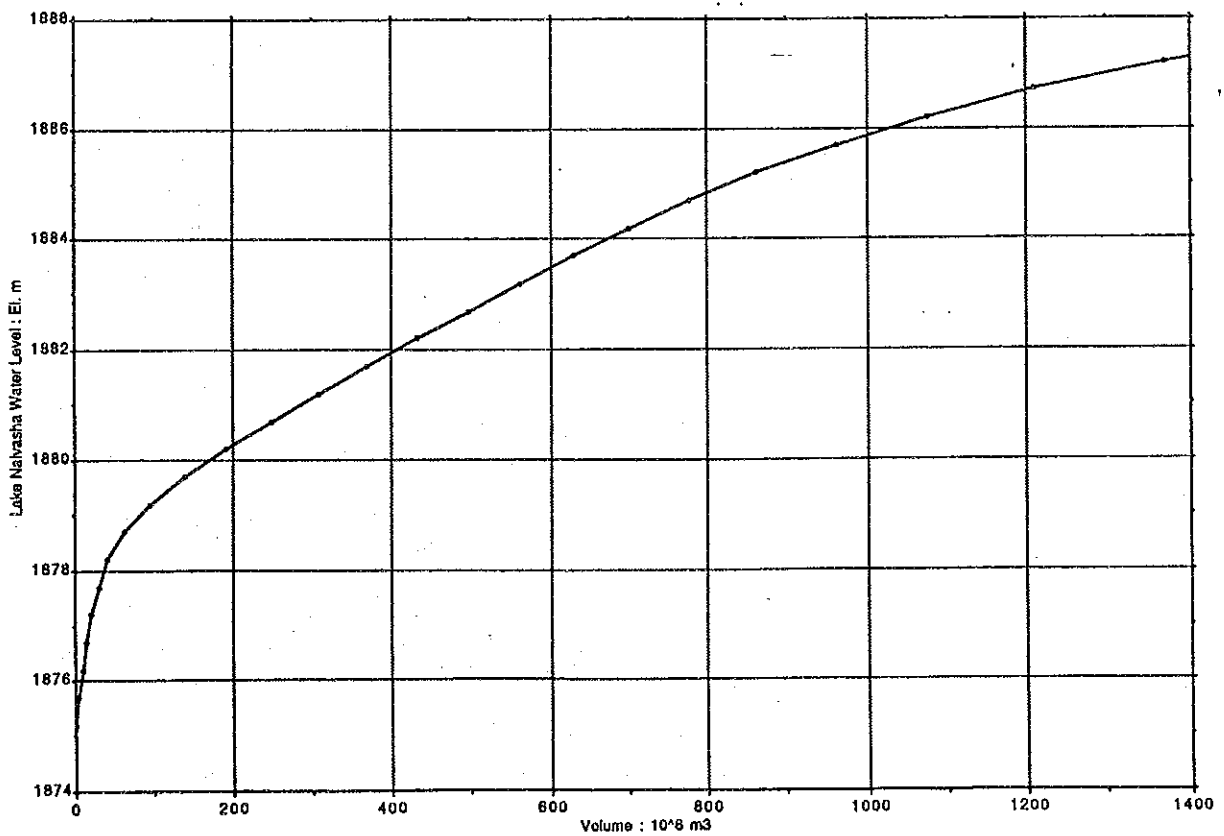
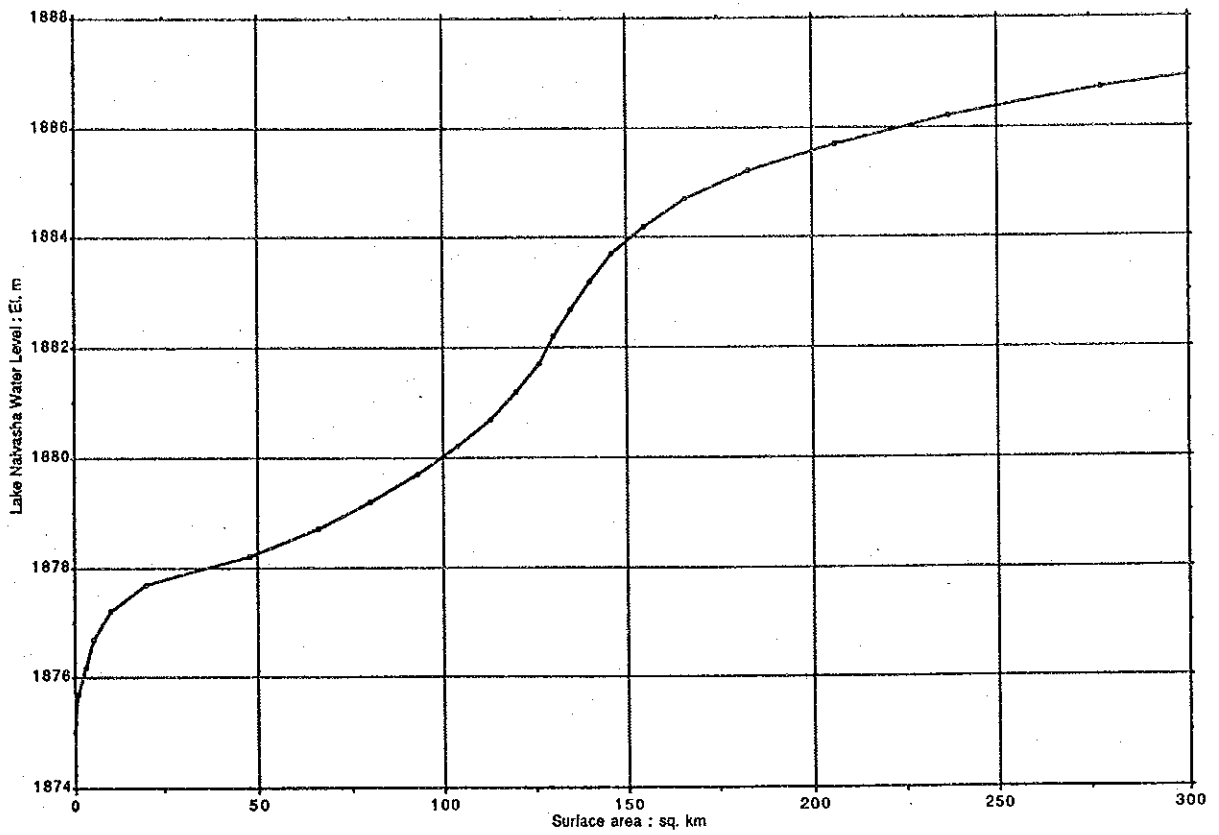


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TITLE
 Comparison of Quality of Surface
 Water in Study Area

Fig. G.3.3



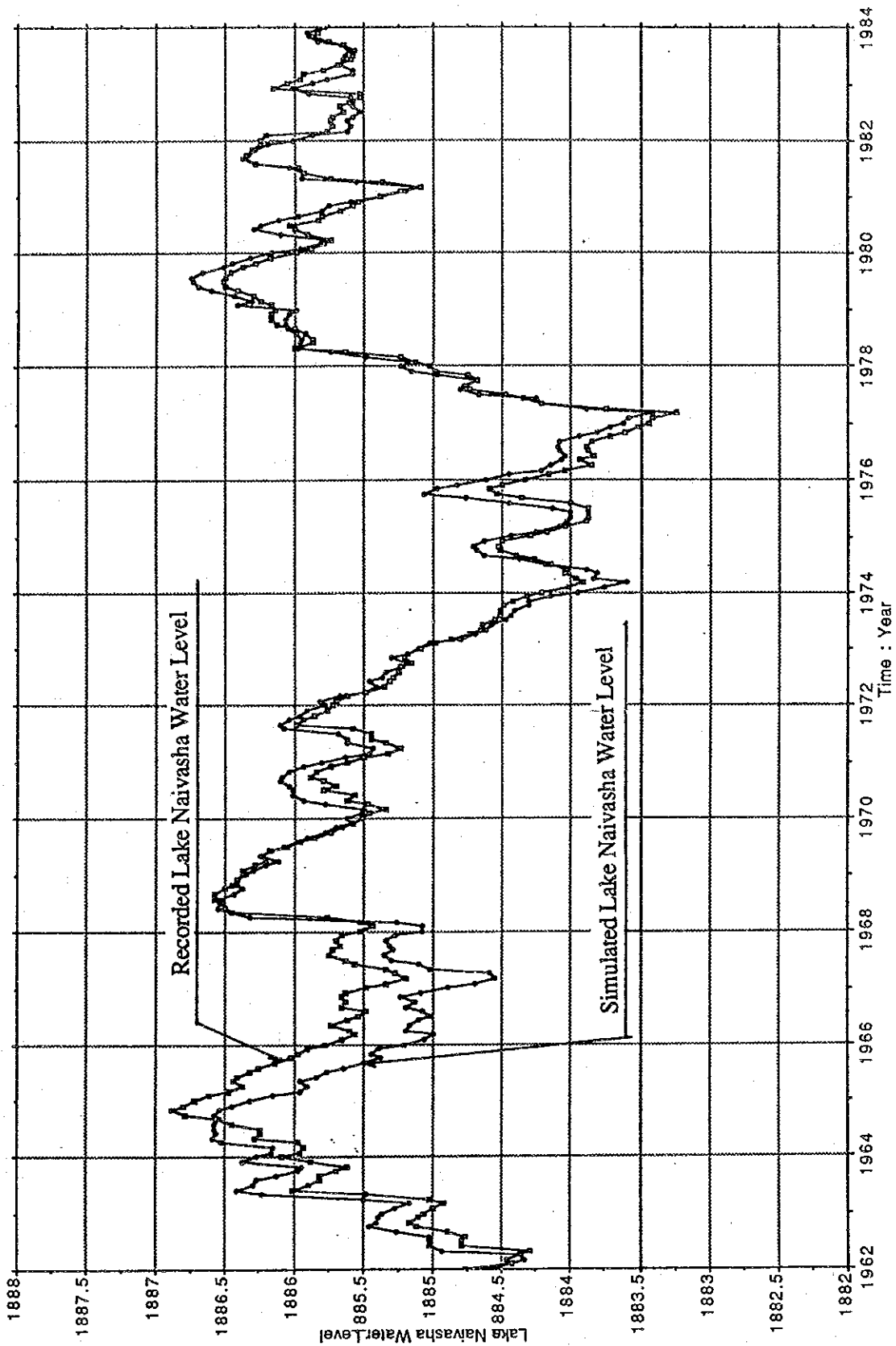
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 Elevation - Water Surface Area -
 Water Volume Curve of
 Lake Naivasha

Fig. G.3.4



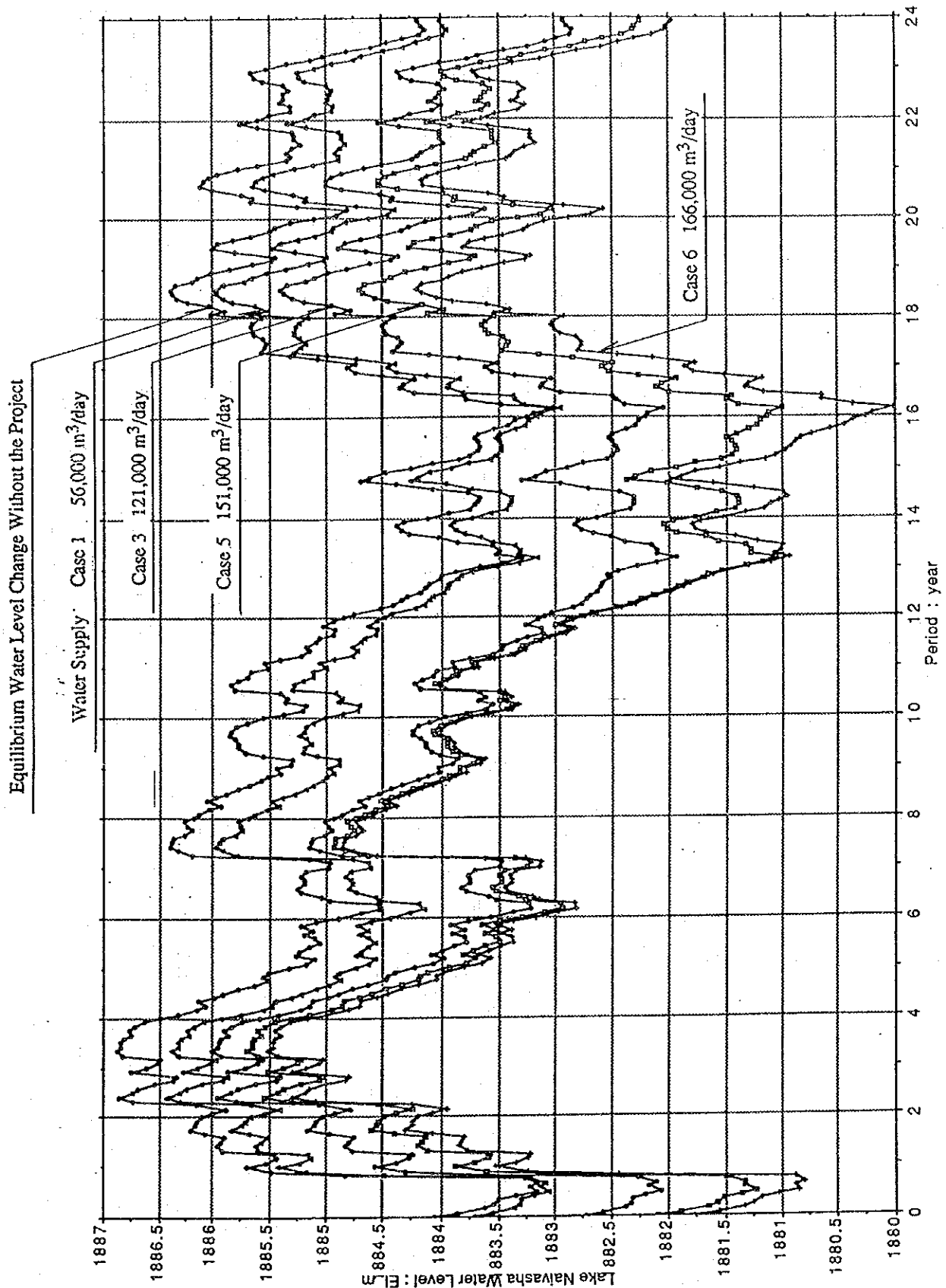
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 Comparison between Recorded
 and Simulated Lake Level
 Lake Naivasha

Fig. G.3.5

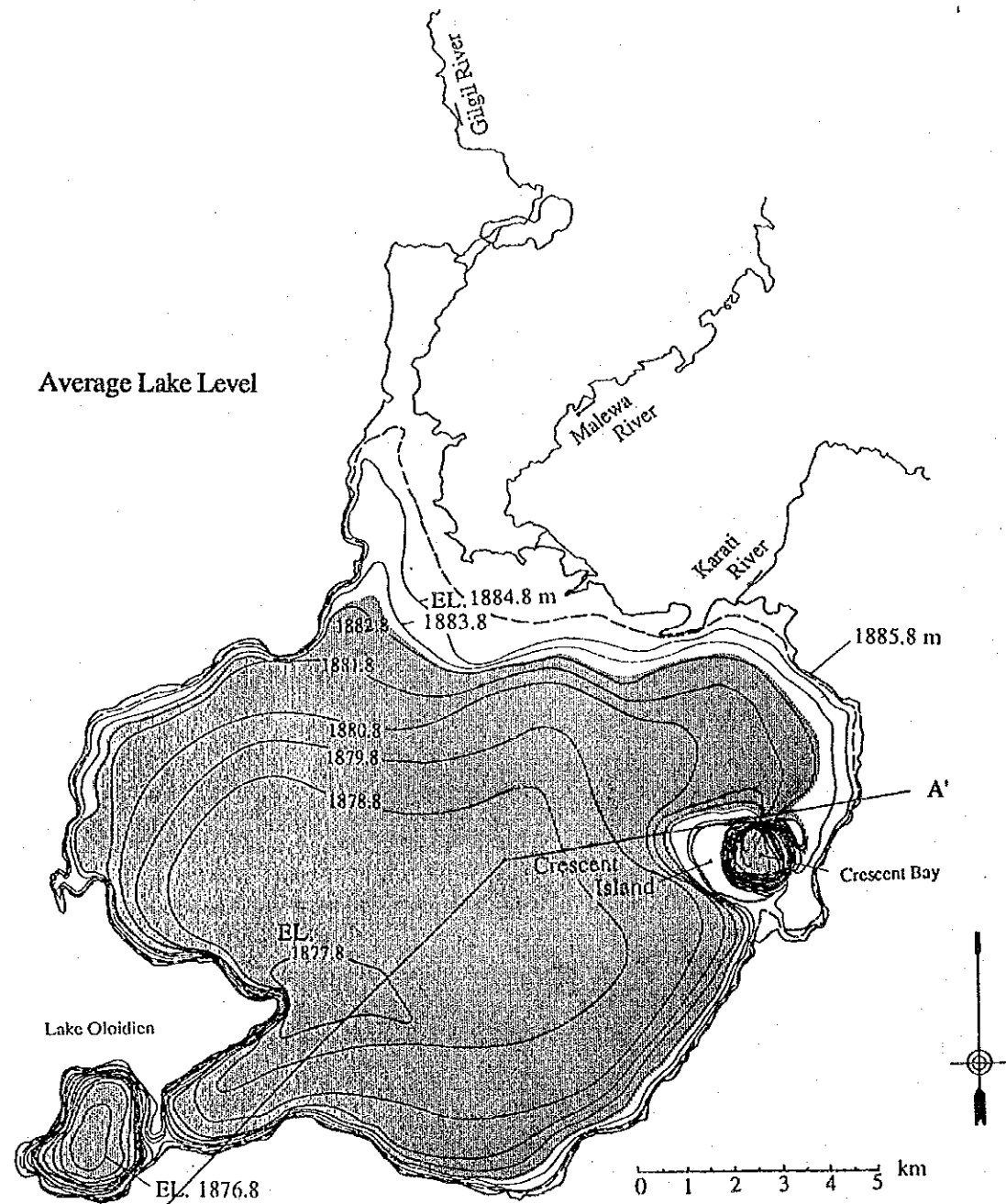


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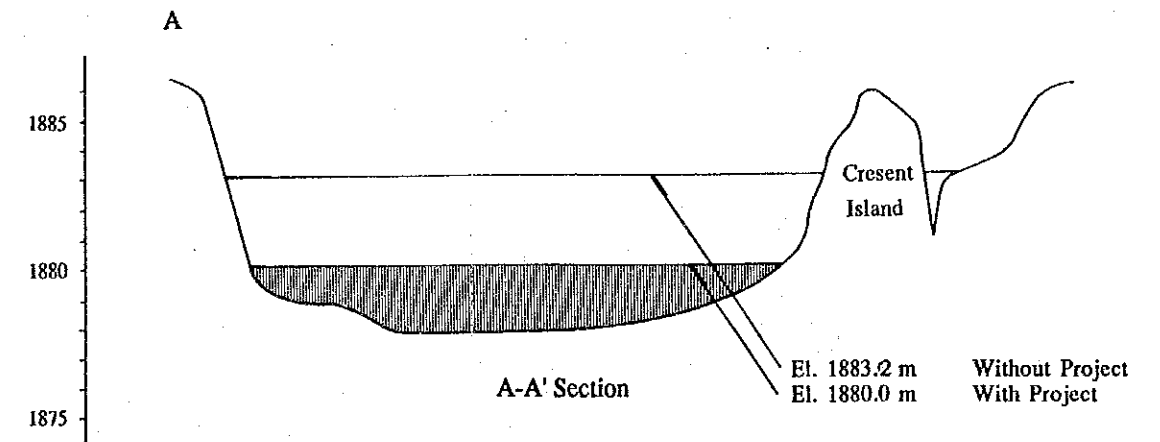
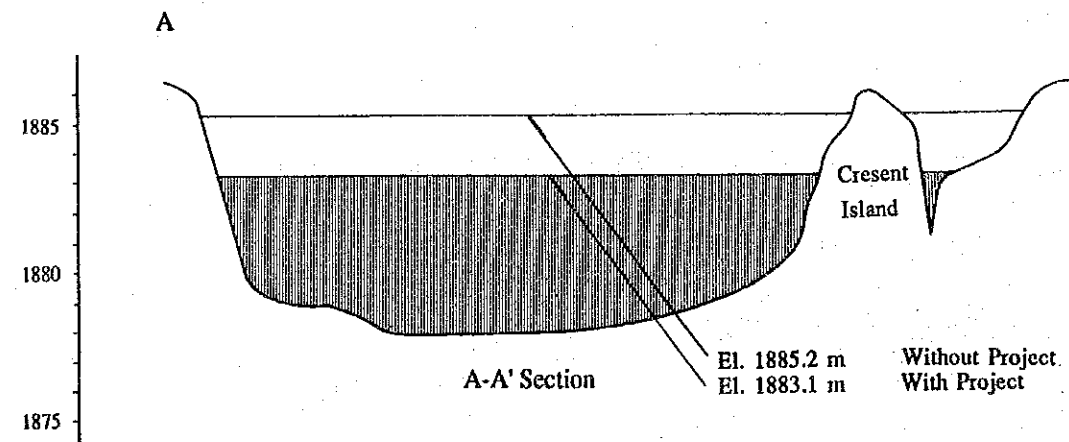
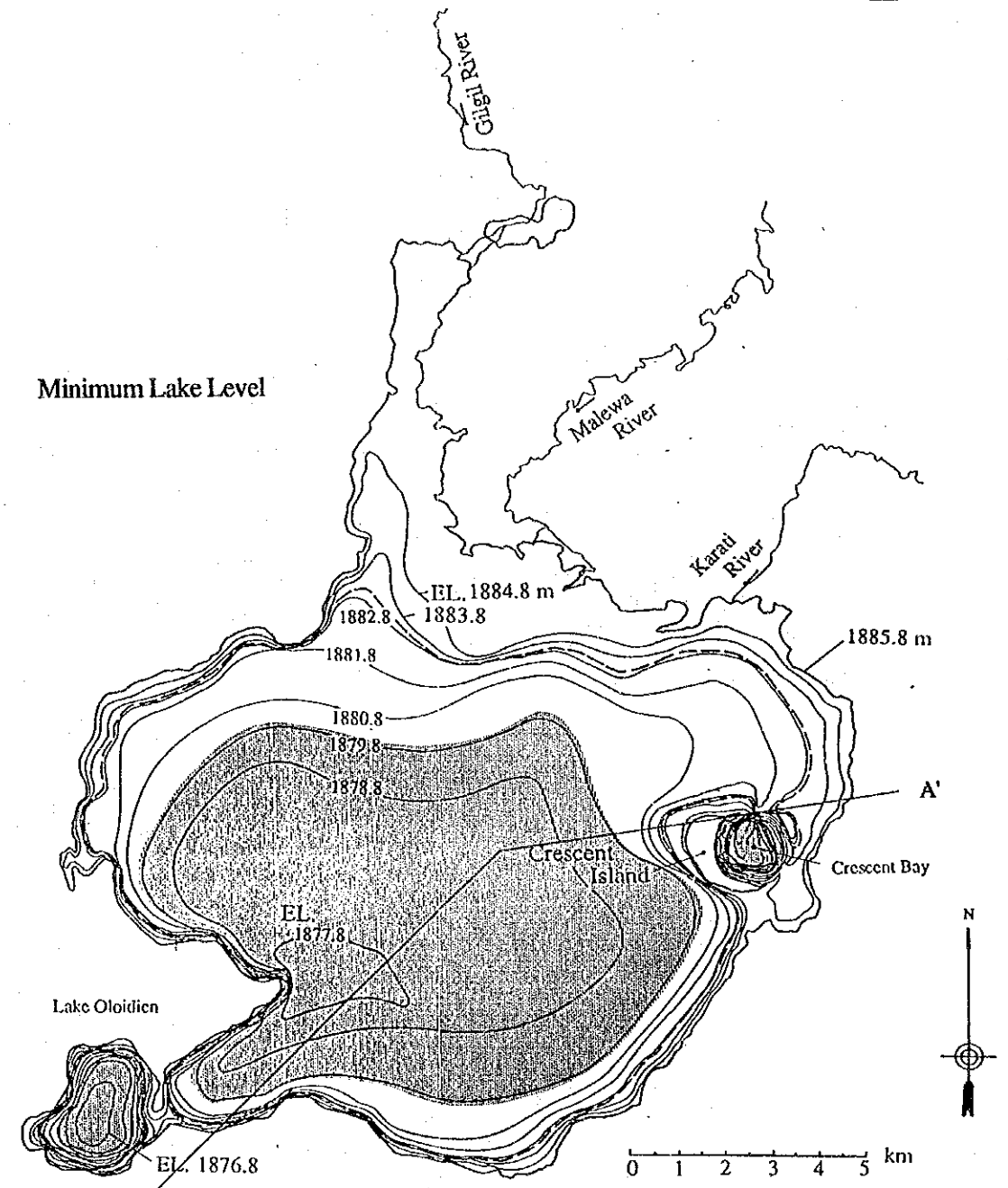
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TITLE
 Lake Naivasha Forecasted
 Water Level Change

Average Lake Level

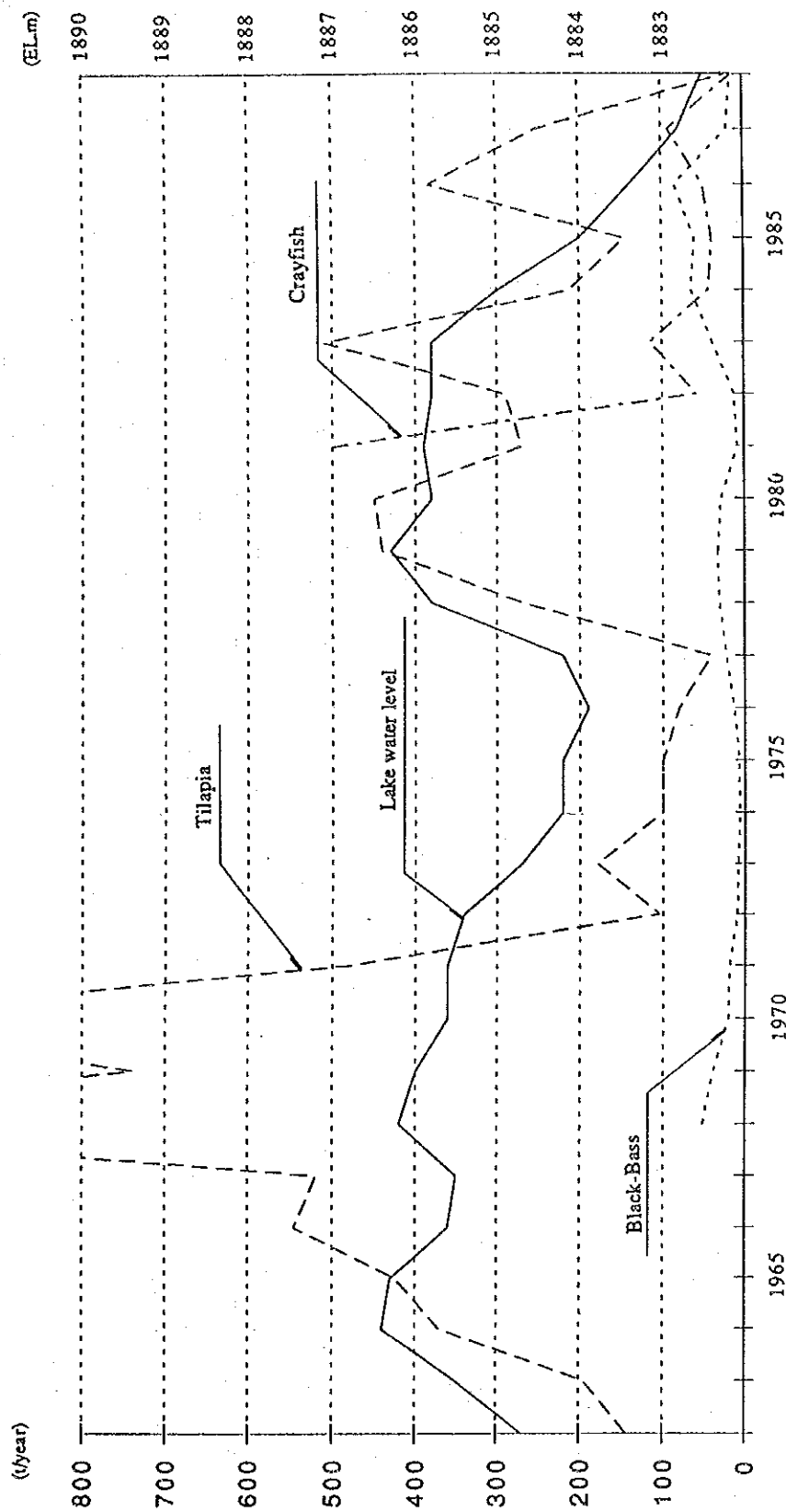


Minimum Lake Level



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Fig. G.3.7

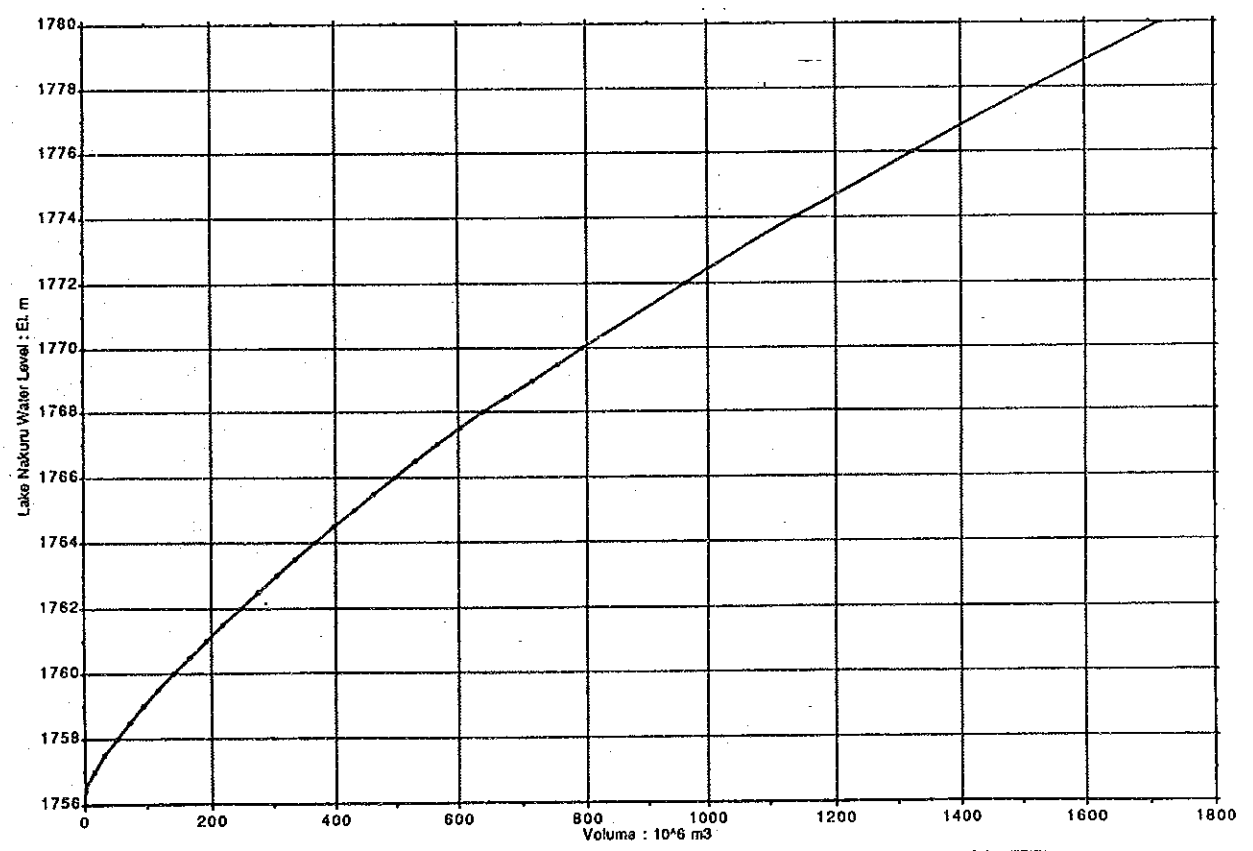
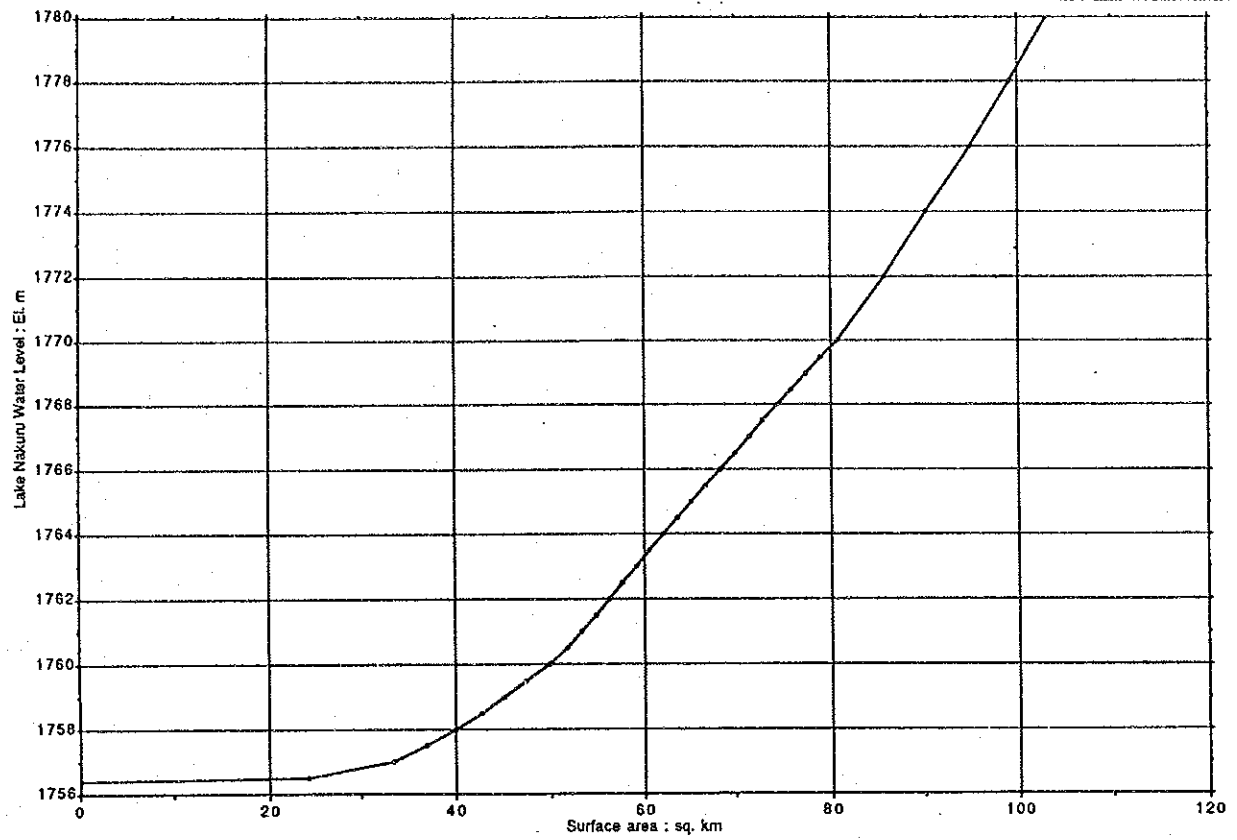


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TITLE
 Fish-catch Amount vs Water Level
 in Lake Naivasha

Fig. G.3.8

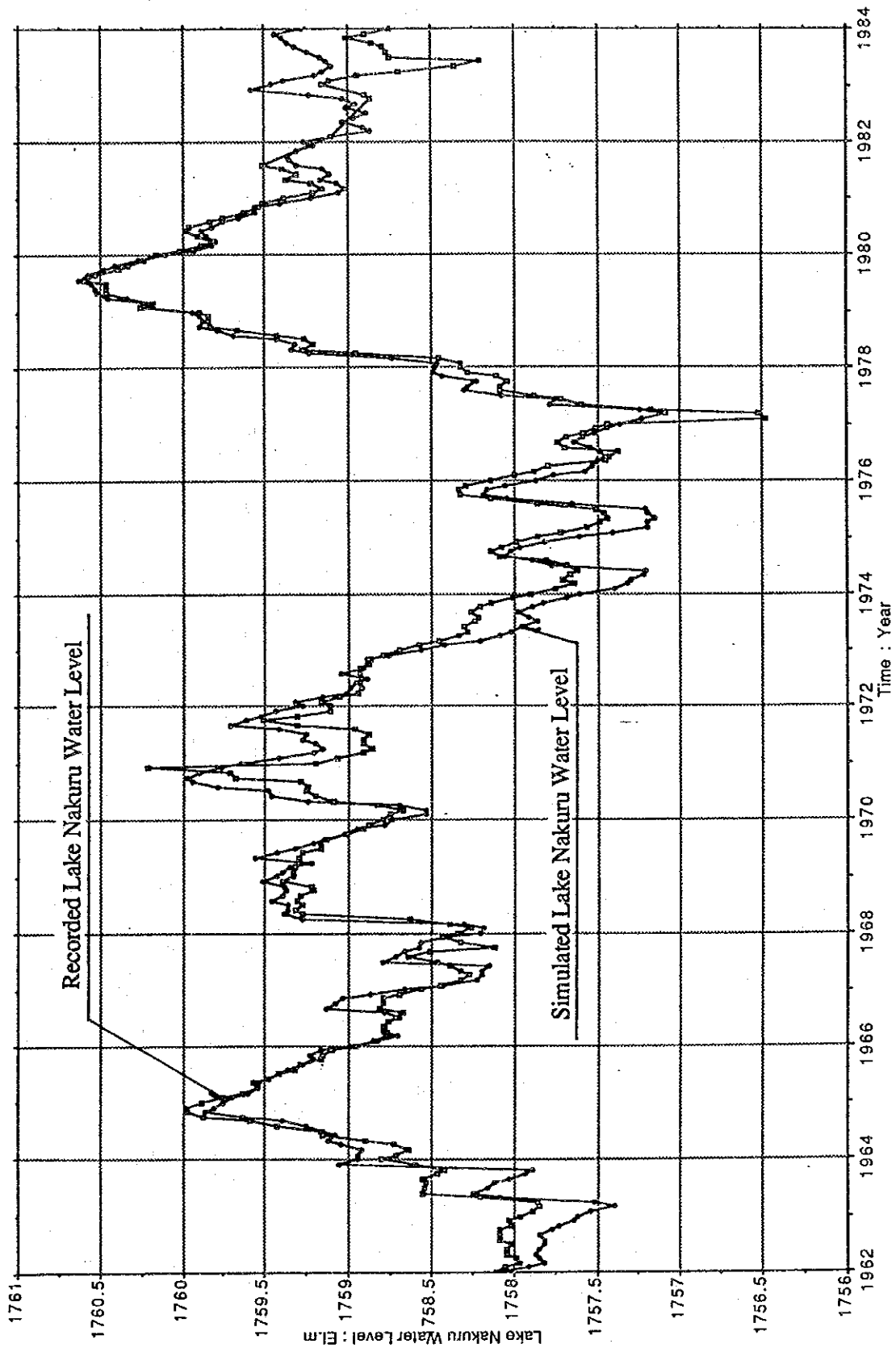


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TITLE
 Elevation - Water Surface Area -
 Water Volume Curve of
 Lake Nakuru

Fig. G.3.9



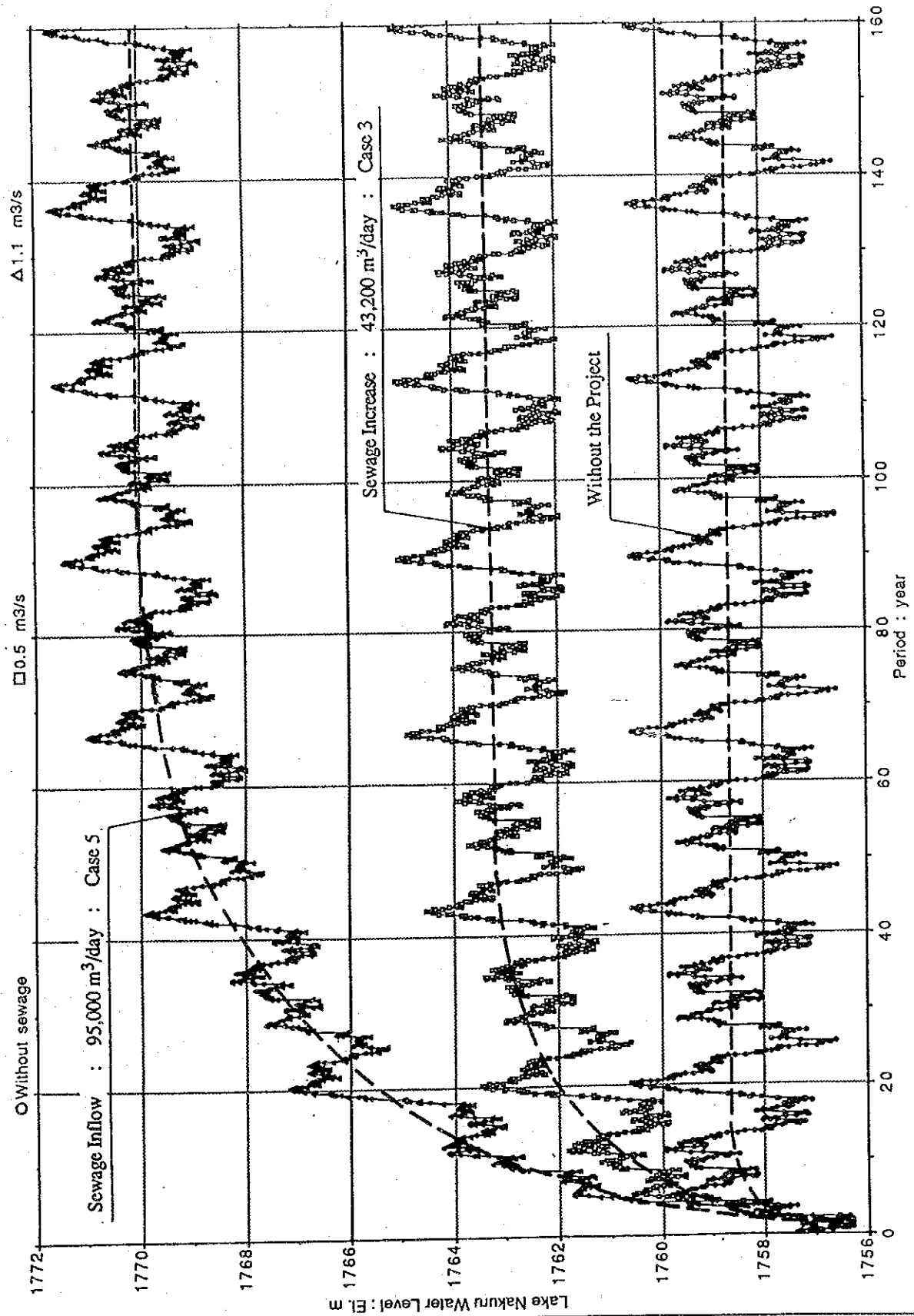
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 GREATER NAKURU WATER SUPPLY PROJECT
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TITLE Comparison between Recorded
 and Simulated Lake Level
 Lake Nakuru

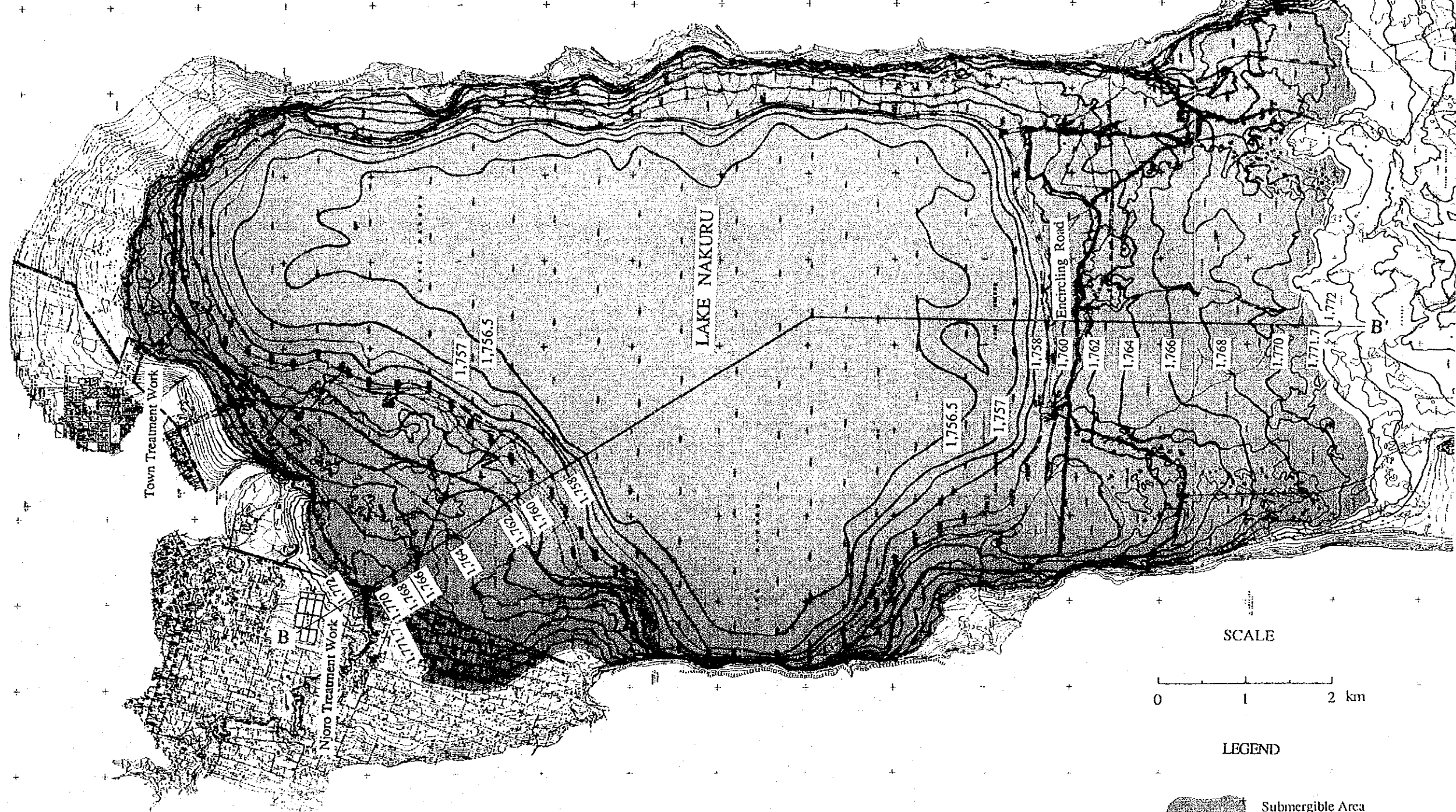
Fig. G.3.10



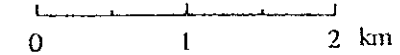
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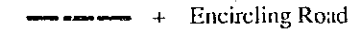
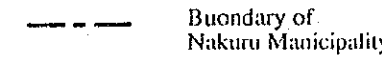
TITLE
 Lake Nakuru Forecasted
 Water Level Change

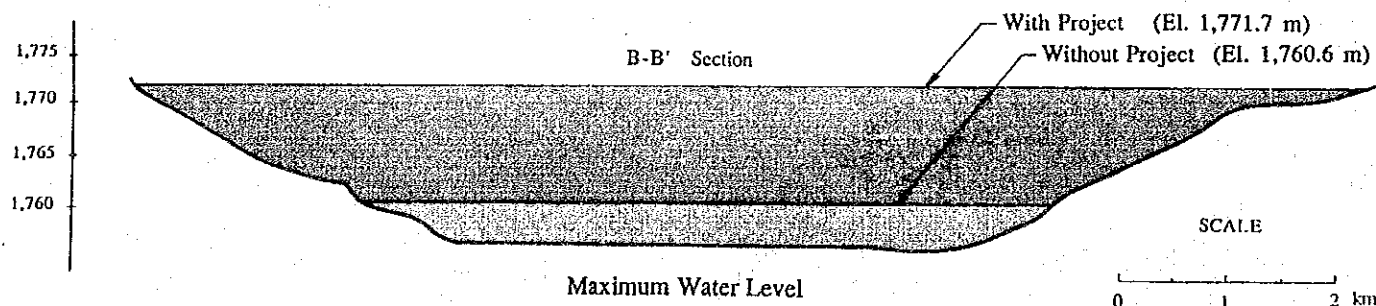


SCALE

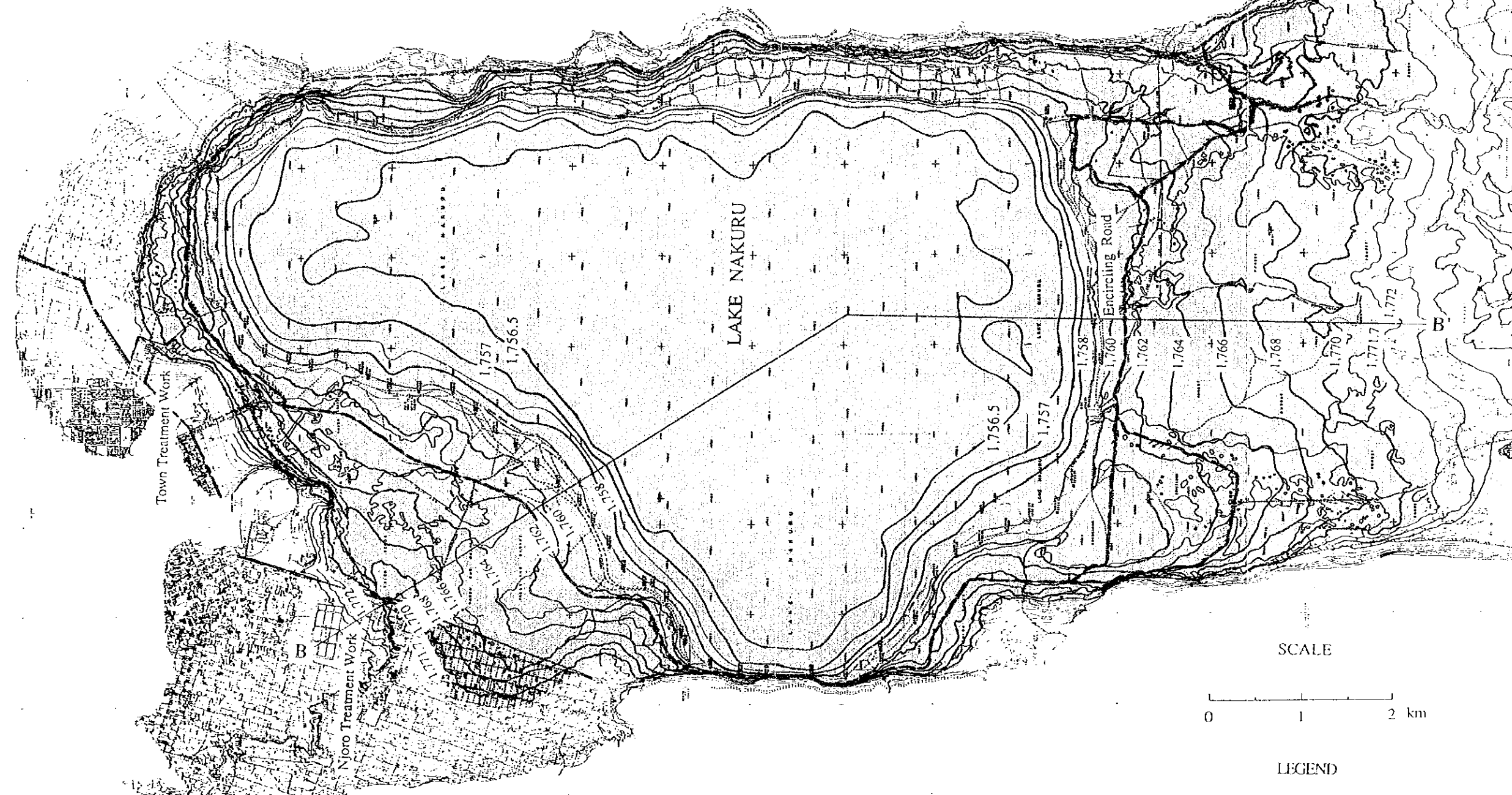


LEGEND

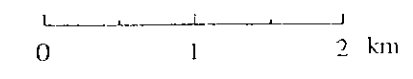
-  Submergible Area by Sewage Inflow of 95,000m³/day
-  + Encircling Road
-  Boundary of Nakuru Manicpality



<p>THE REPUBLIC OF KENYA MINISTRY OF WATER DEVELOPMENT NATIONAL WATER CONSERVATION AND PIPELINE CORPORATION</p>	<p>THE STUDY FOR CONSTRUCTION OF DAM IN MALEWA RIVER SYSTEM GREATER NAKURU WATER SUPPLY PROJECT EASTERN DIVISION JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE Lake Nakuru, Submergible Area</p>
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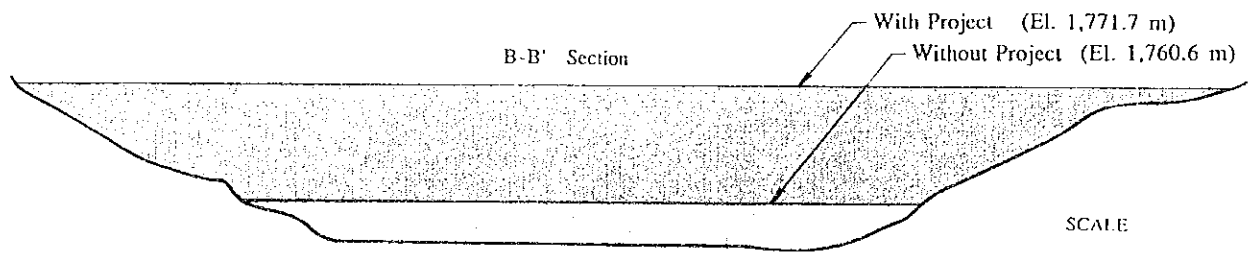
SCALE



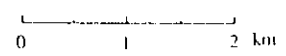
LEGEND

- Submergible Area by Sewage Inflow of 95,000m³/day
- Encircling Road
- Boundary of Nakuru Municipality

1,775
1,770
1,765
1,760

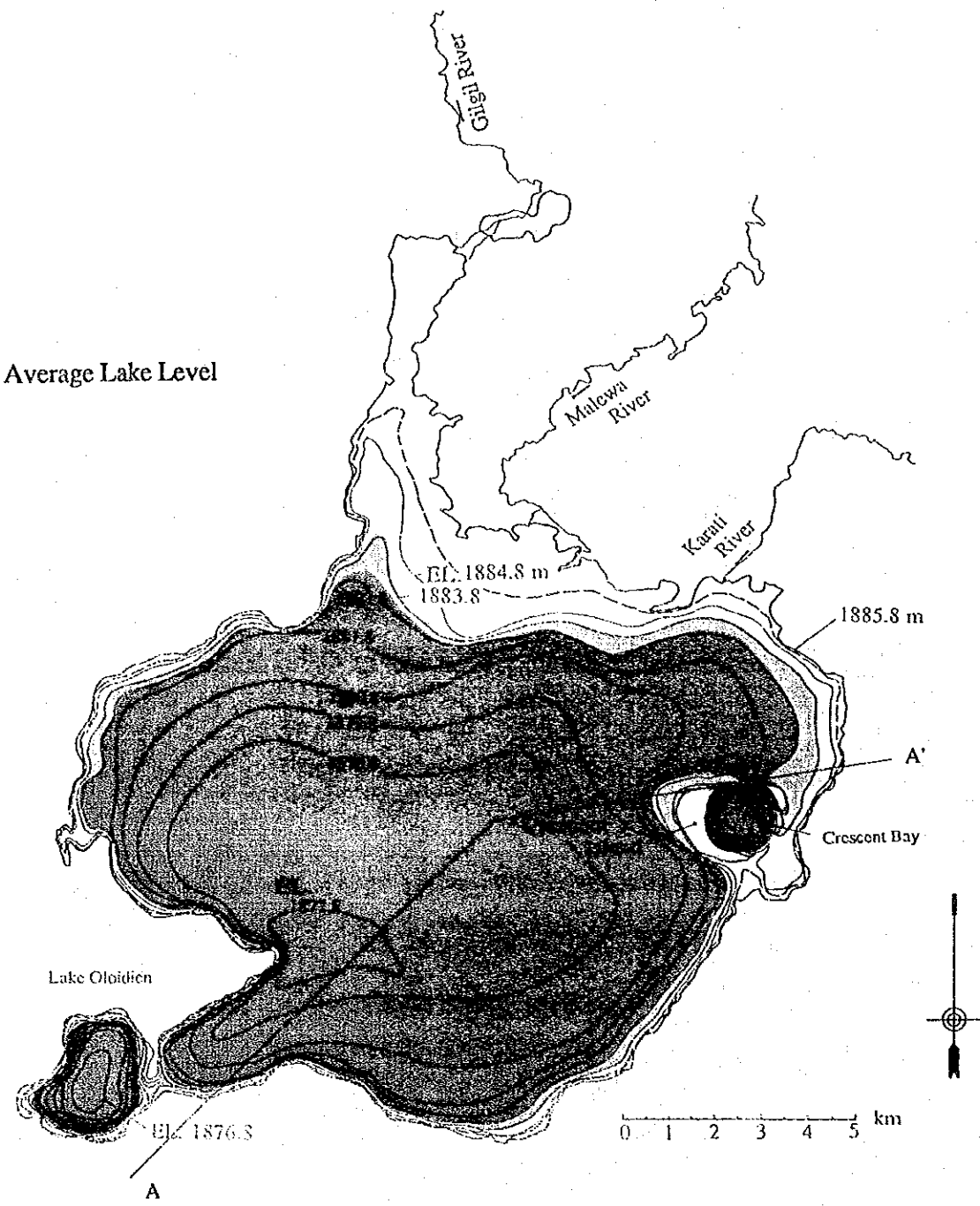


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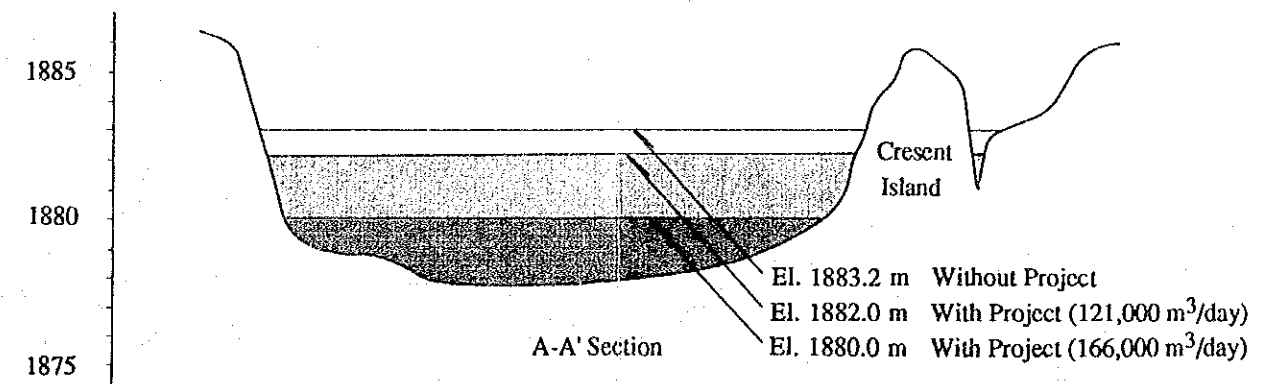
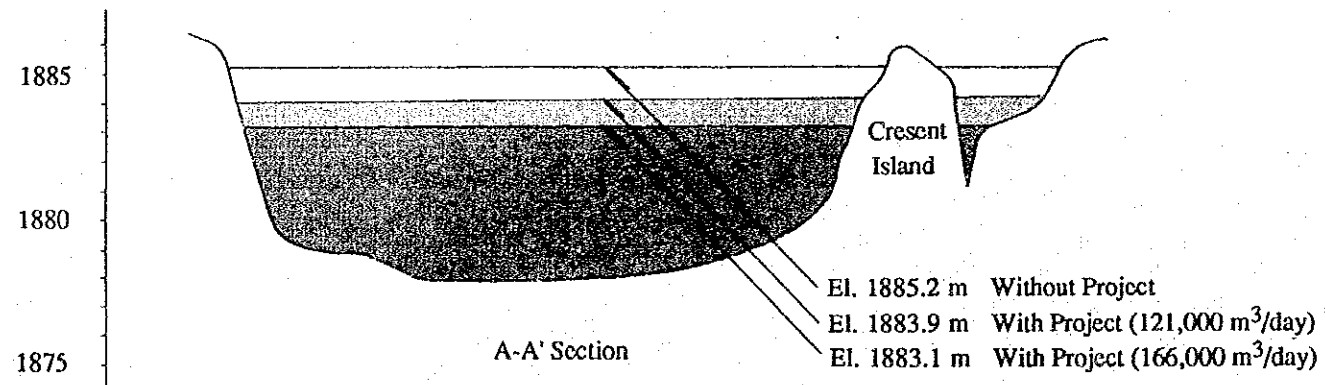
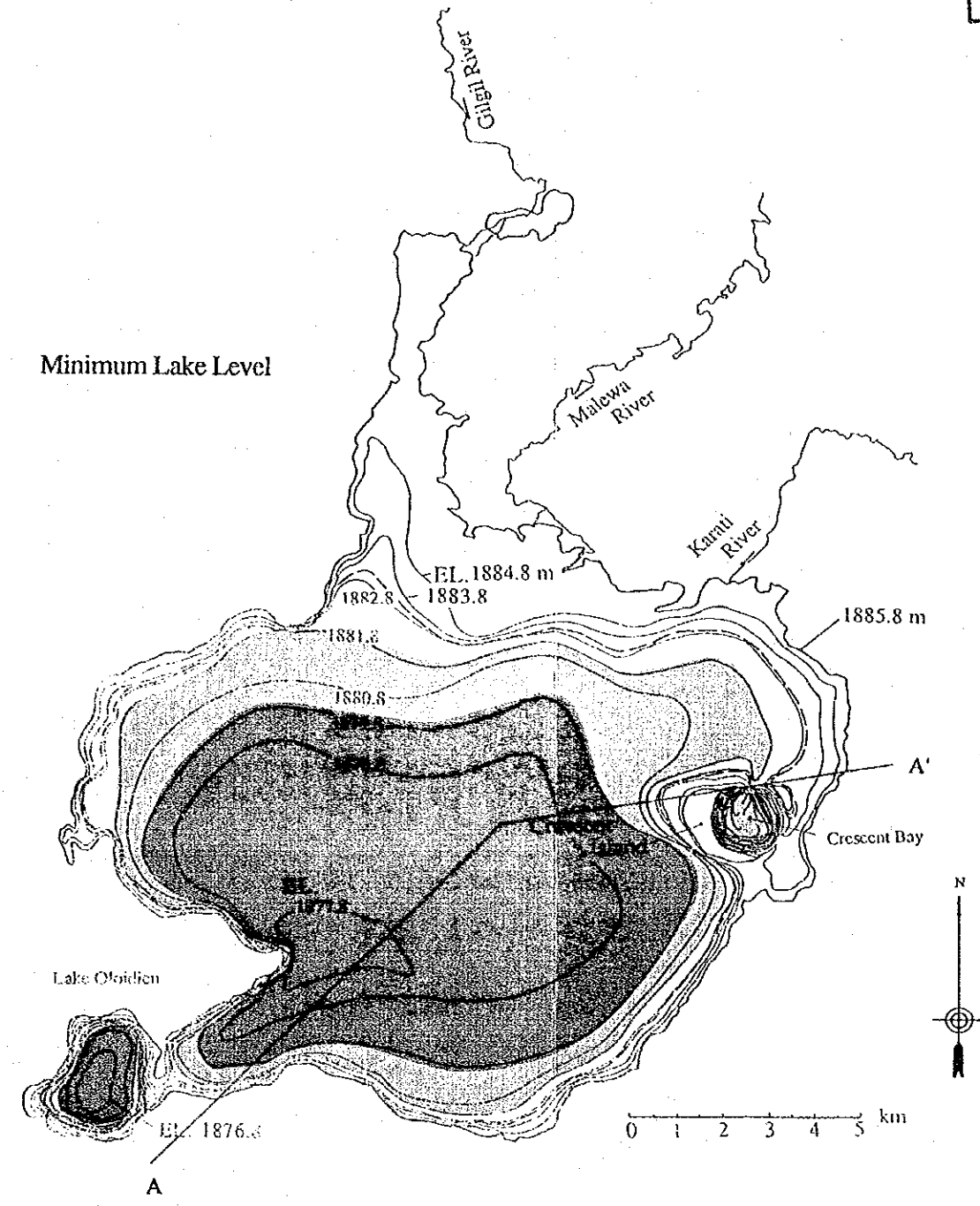


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Average Lake Level

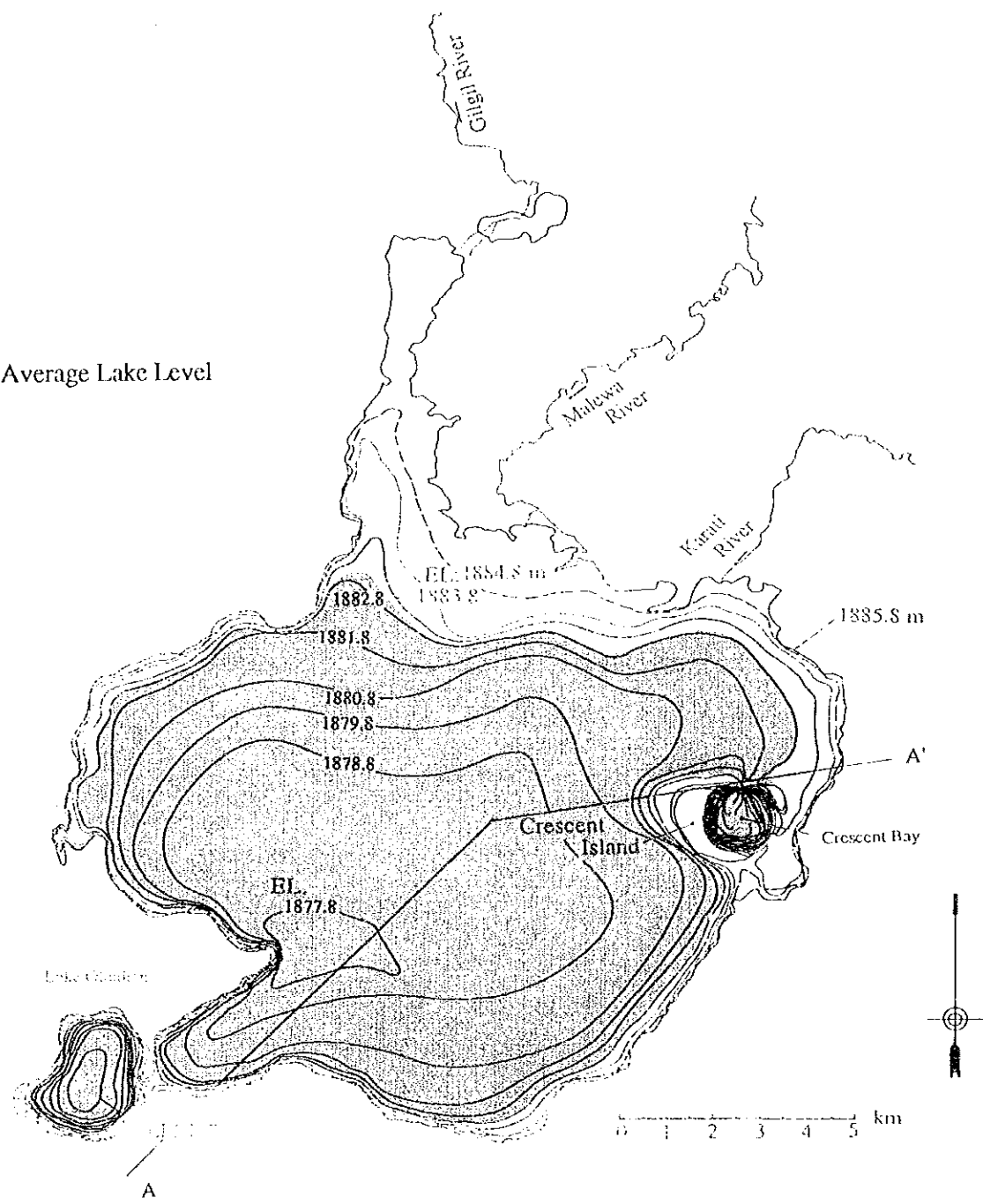


Minimum Lake Level

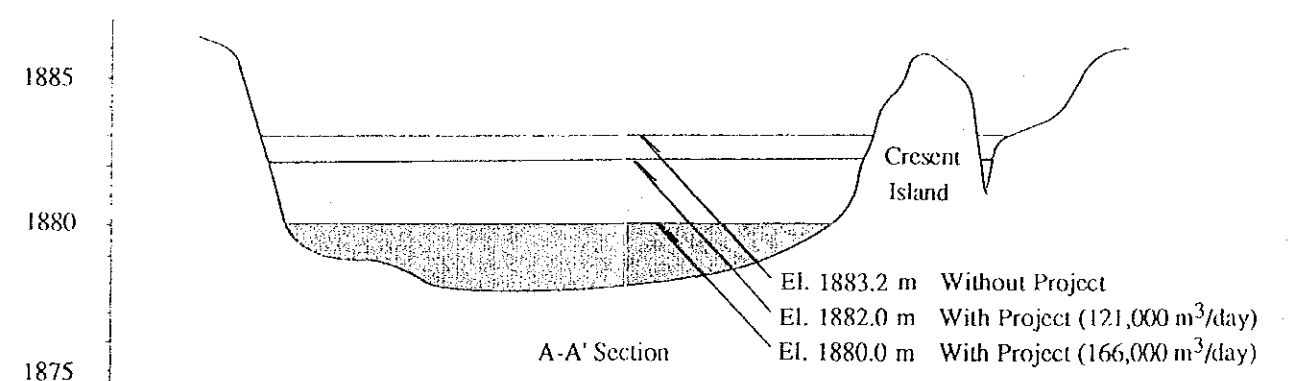
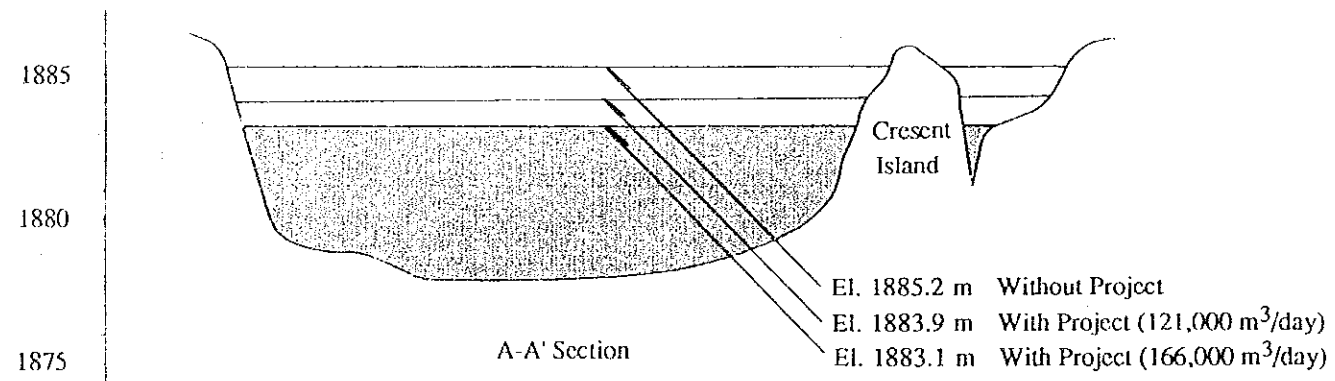
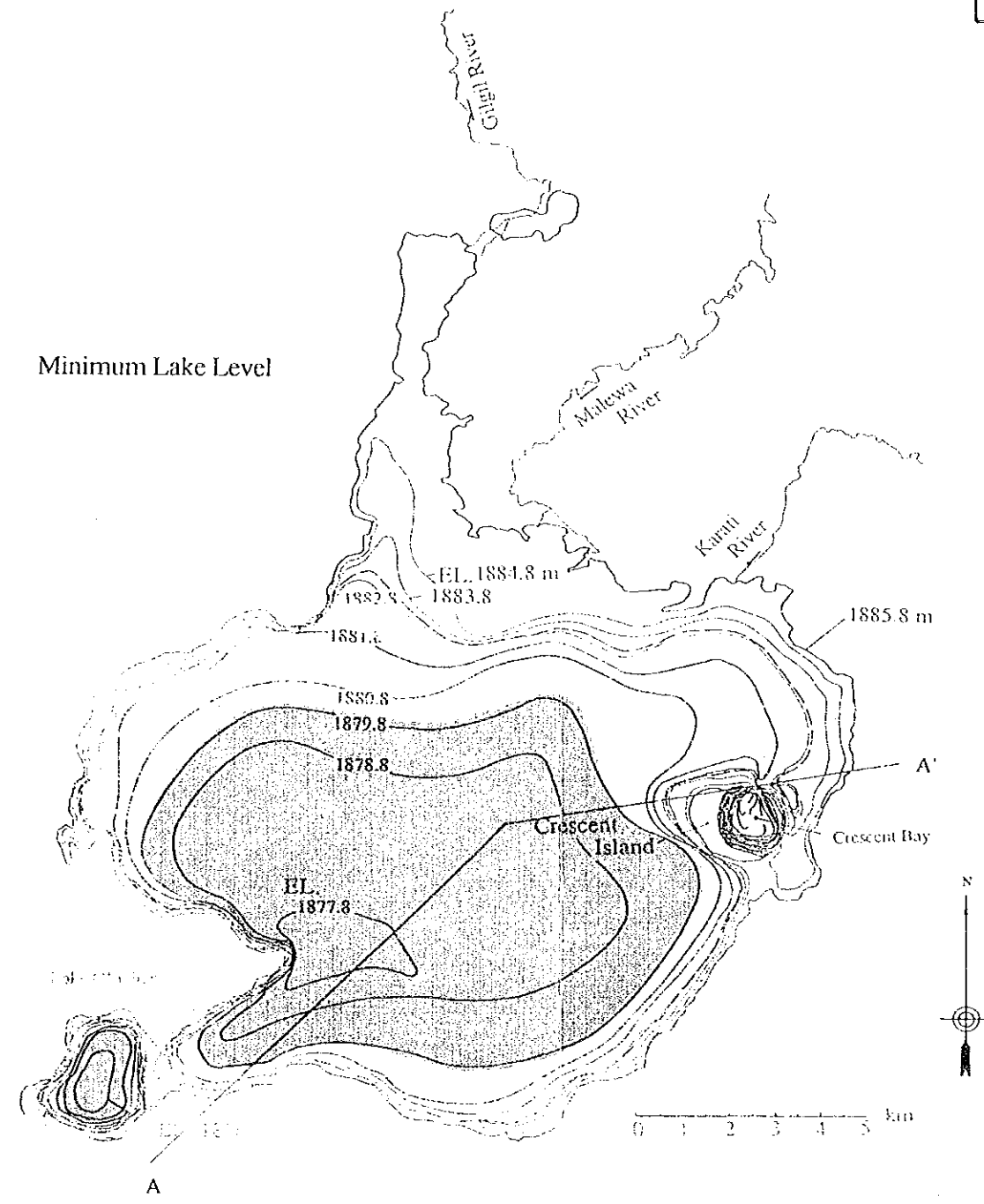


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Average Lake Level



Minimum Lake Level



<p>THE REPUBLIC OF KENYA MINISTRY OF WATER DEVELOPMENT NATIONAL WATER CONSERVATION AND PIPELINE CORPORATION</p>	<p>THE STUDY FOR CONSTRUCTION OF DAM IN MALEWA RIVER SYSTEM GREATER NAKURU WATER SUPPLY PROJECT EASTERN DIVISION JAPAN INTERNATIONAL COOPERATION AGENCY</p>	<p>TITLE Lake Naivasha, Lake Area vs. Lake Level</p>
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ADIC