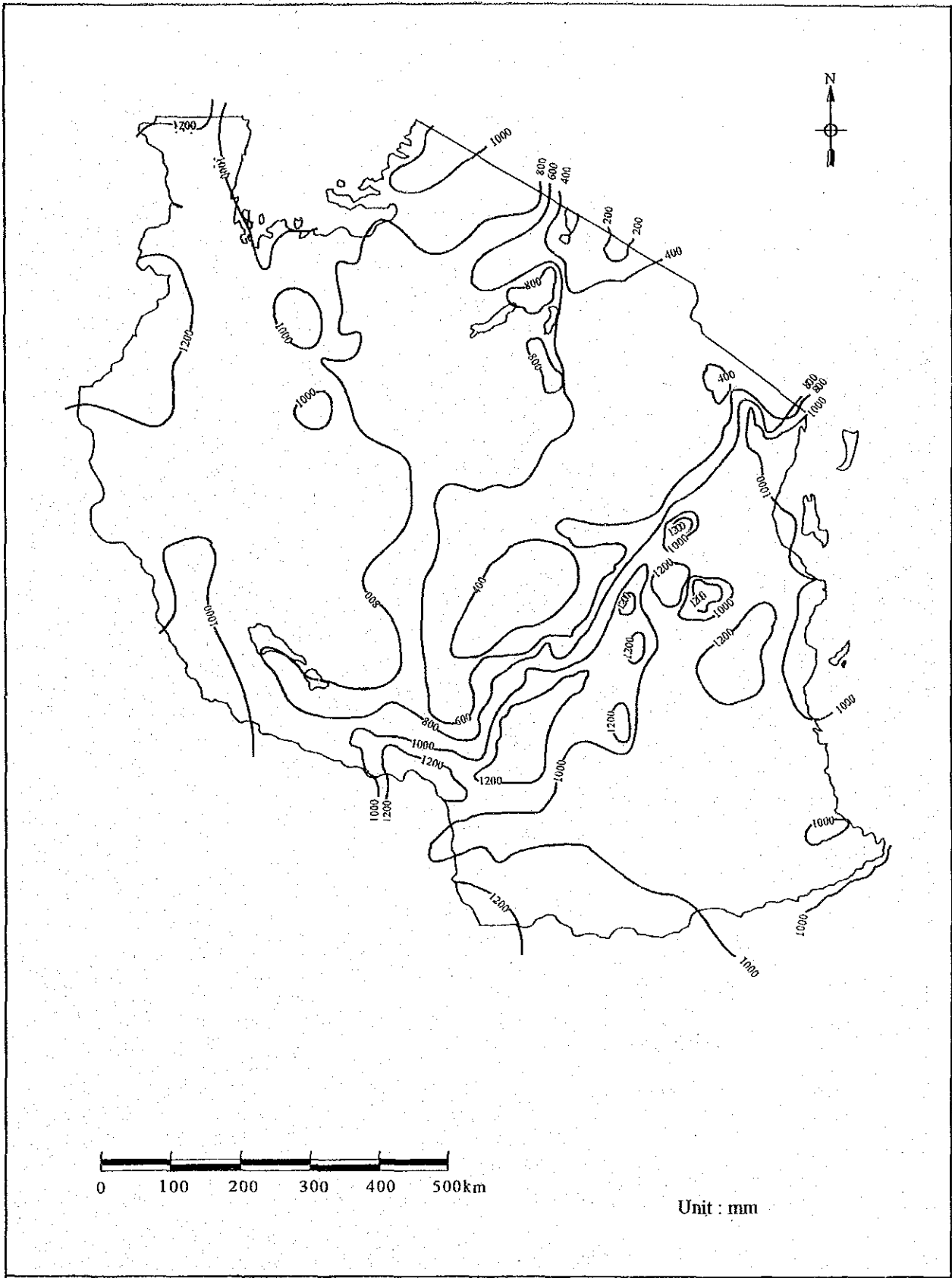


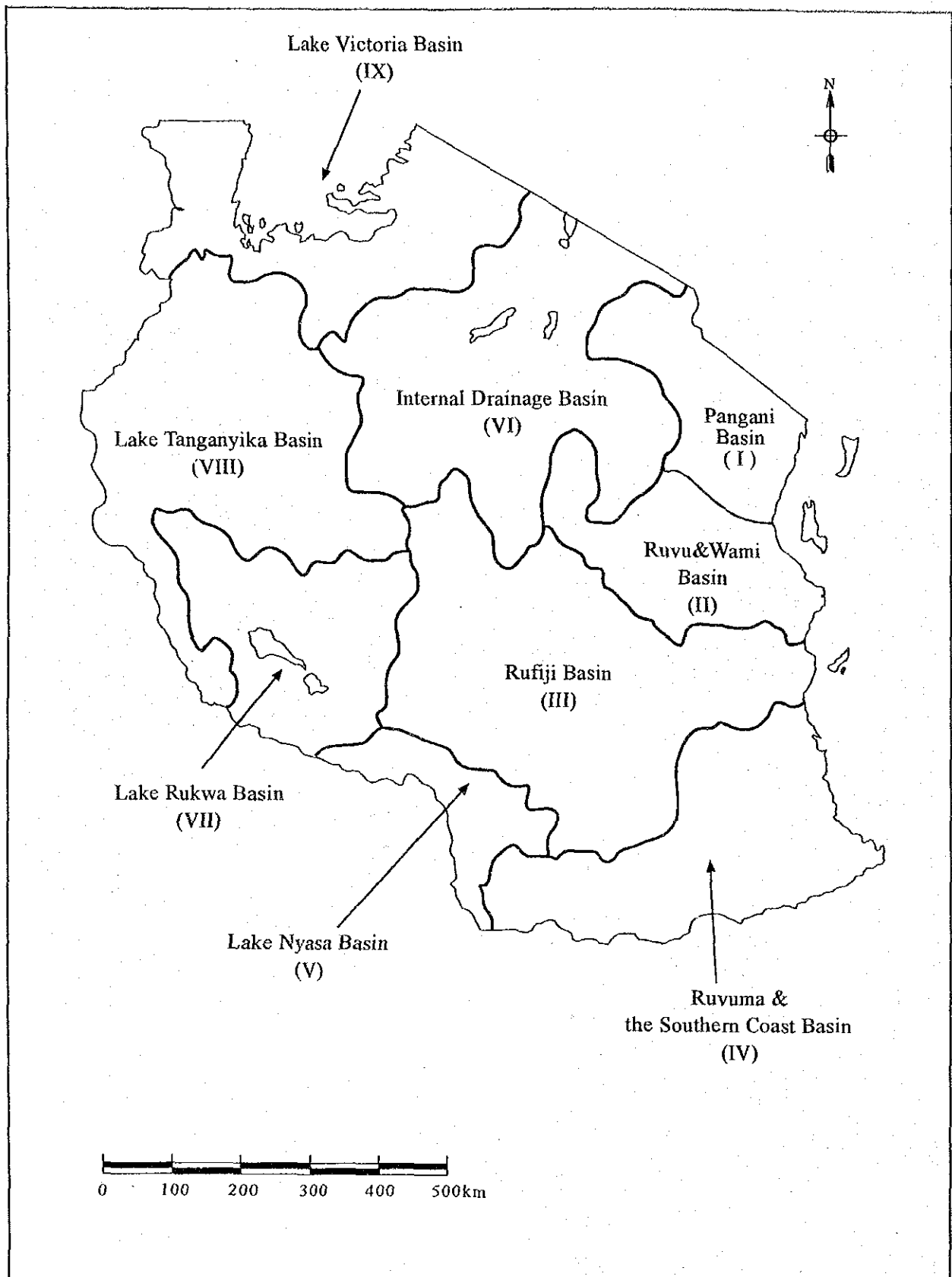
Figure



**The Study on the National Irrigation Master Plan
The United Republic of Tanzania**

Japan International Cooperation Agency

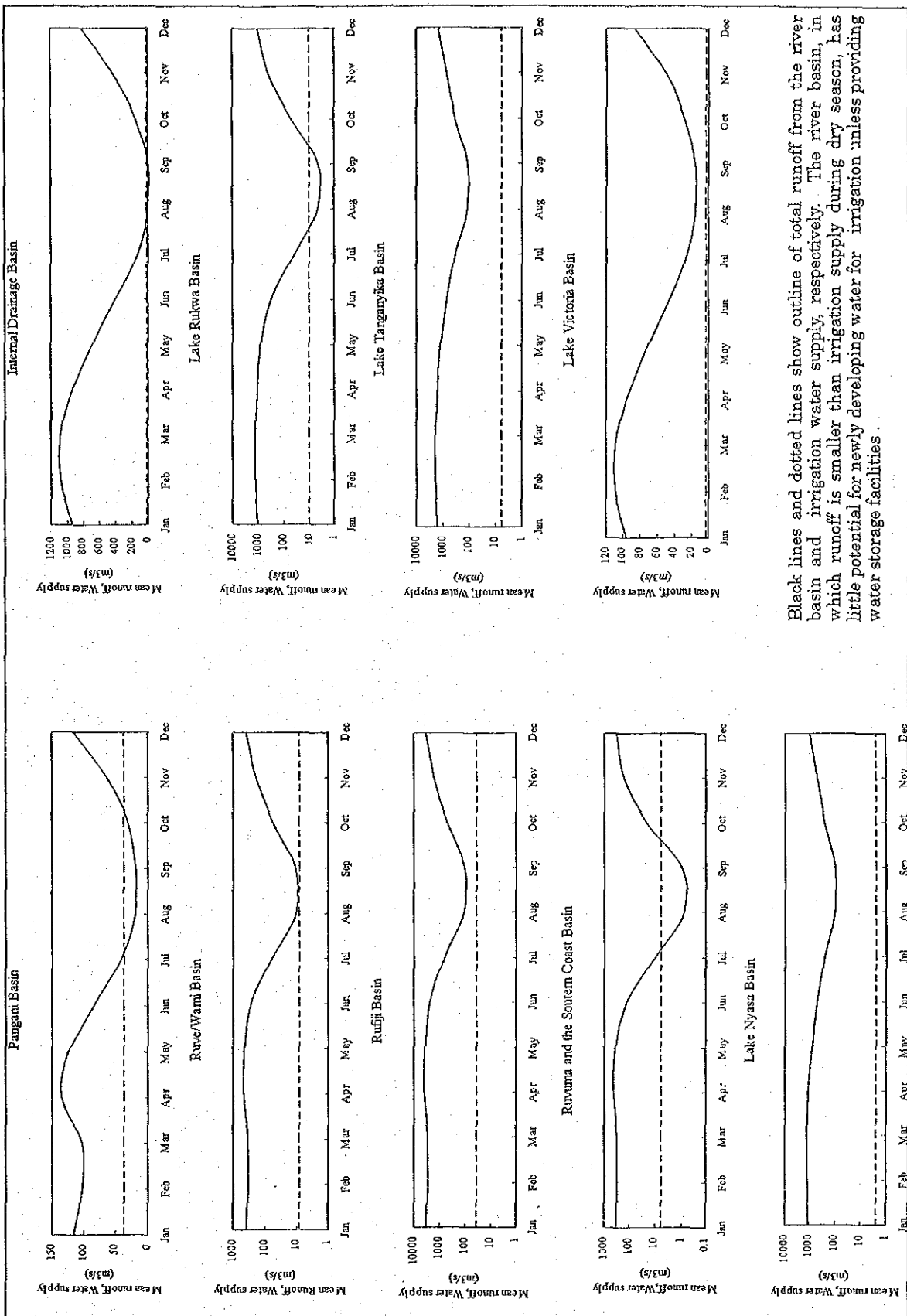
**Figure 1.1.1
Isohyt-Graph in Tanzania**



The Study on the National Irrigation Master Plan
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Japan International Cooperation Agency

Figure 1.1.2
River Basin Boundaries in Tanzania

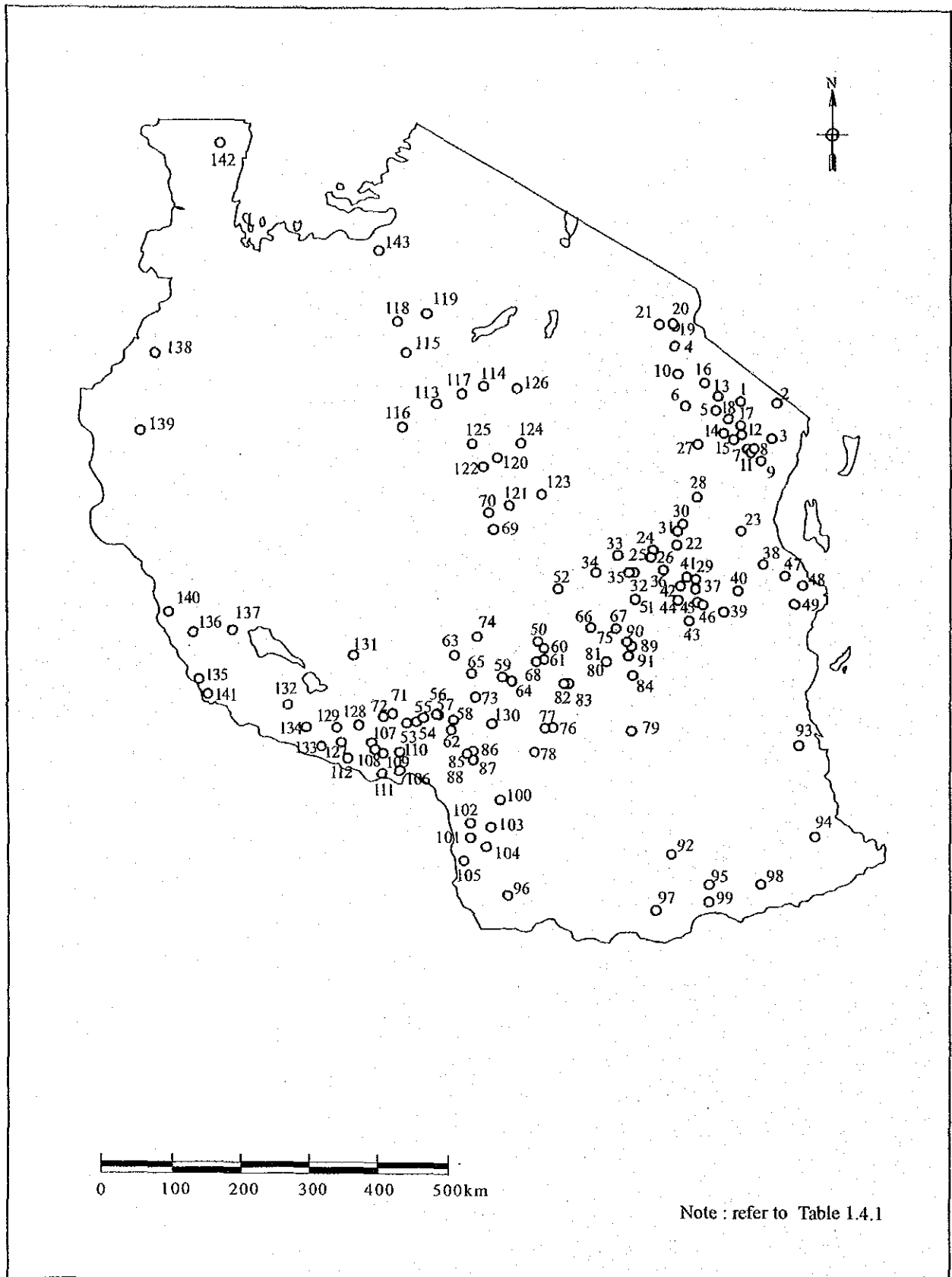


Black lines and dotted lines show outline of total runoff from the river basin and irrigation water supply, respectively. The river basin, in which runoff is smaller than irrigation supply during dry season, has little potential for newly developing water for irrigation unless providing water storage facilities.

The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

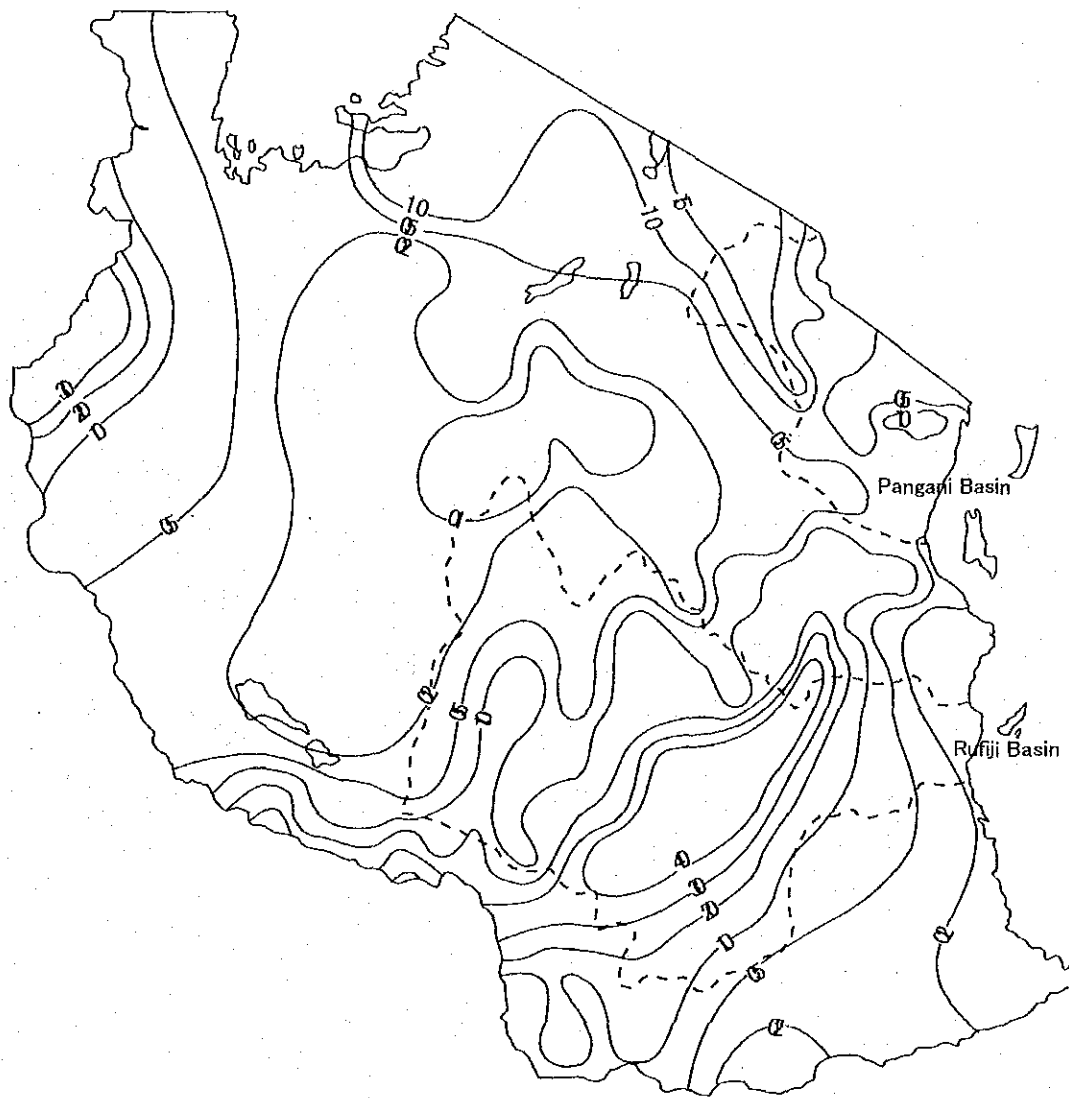
Figure 1.3.1
General Water Balance by River Basin

Japan International Cooperation Agency



Note : refer to Table 1.4.1

<p>The Study on the National Irrigation Master Plan in the United Republic of Tanzania</p>	<p>Figure 1.4.1 Location of Concerned Hydro-Meteorological Station</p>
<p>Japan International Cooperation Agency</p>	



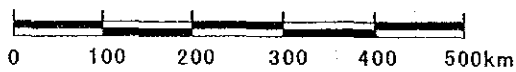
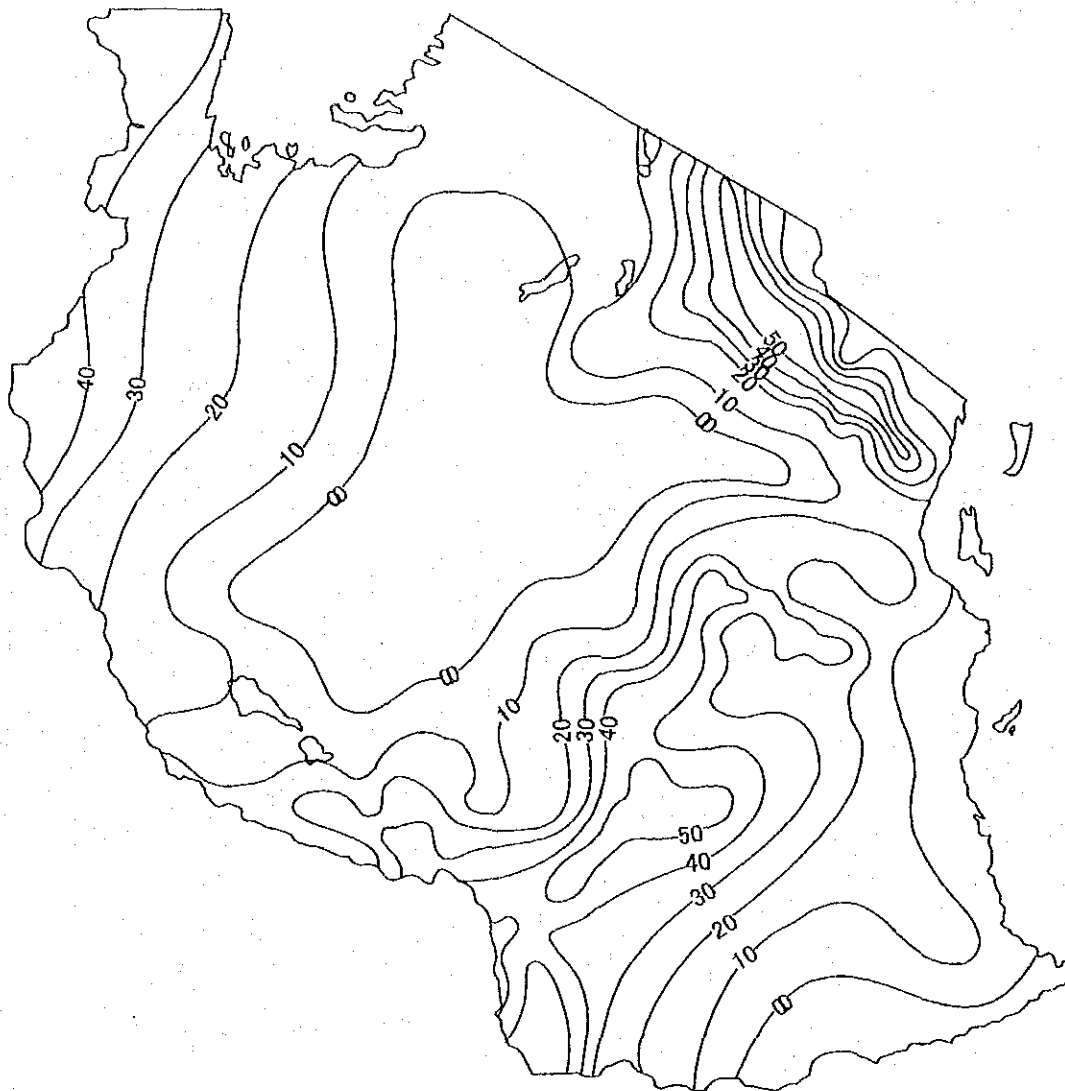
0 100 200 300 400 500km

Unit: m³-sec./500km²

The Study on the National Irrigation Master Plan
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Figure 1.5.1
Distribution of Specific Run-off
in Tanzania

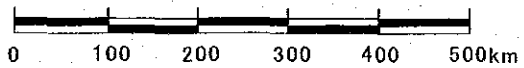
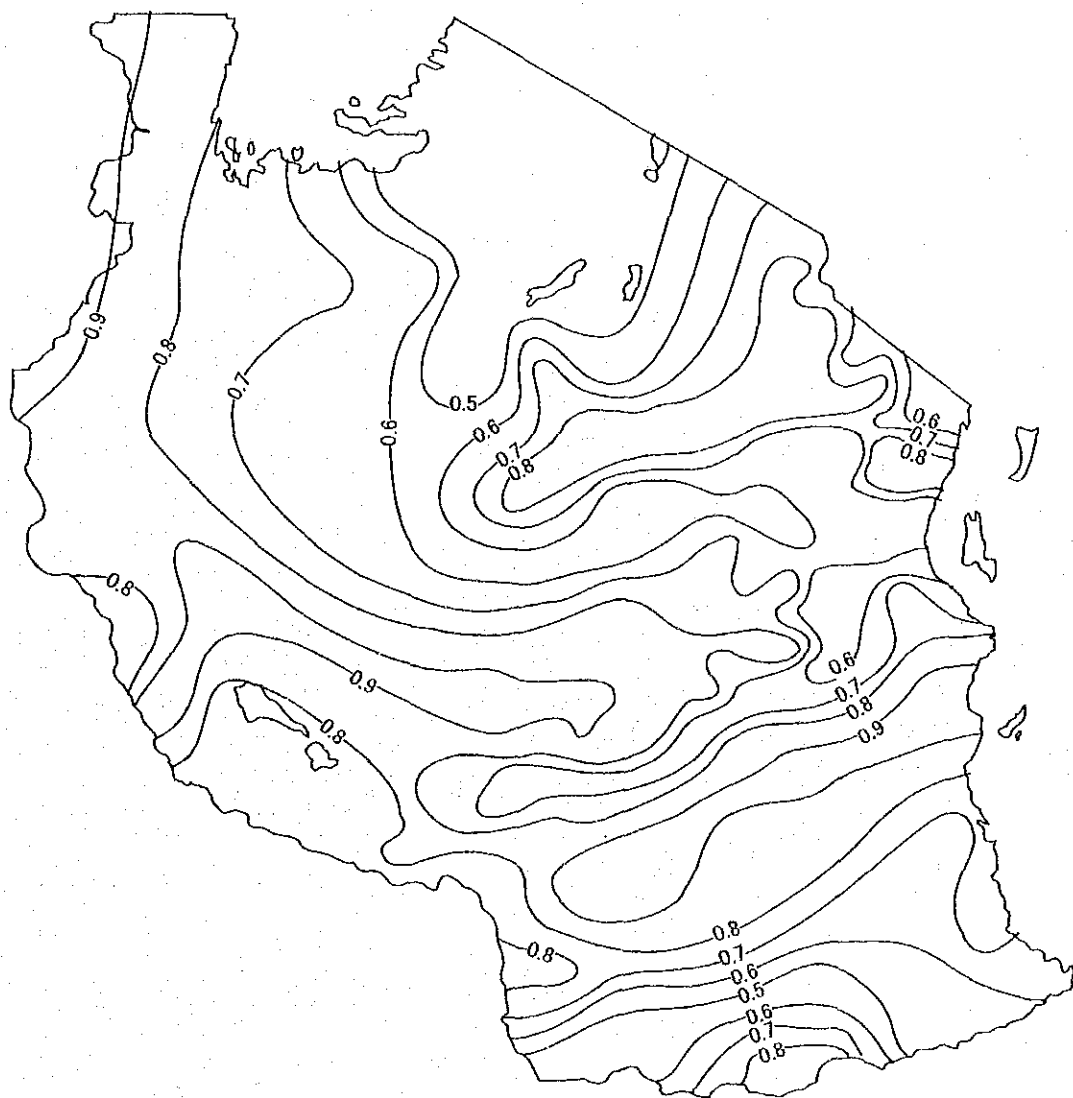


Unit: percent(%)

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in the United Republic of Tanzania

Japan International Cooperation Agency

Figure 1.5.2
Distribution of Q1(75)
in Flow Duration Curves

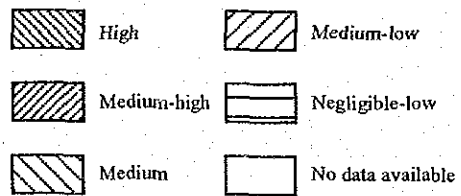
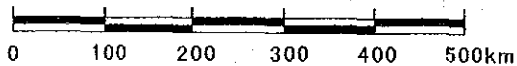
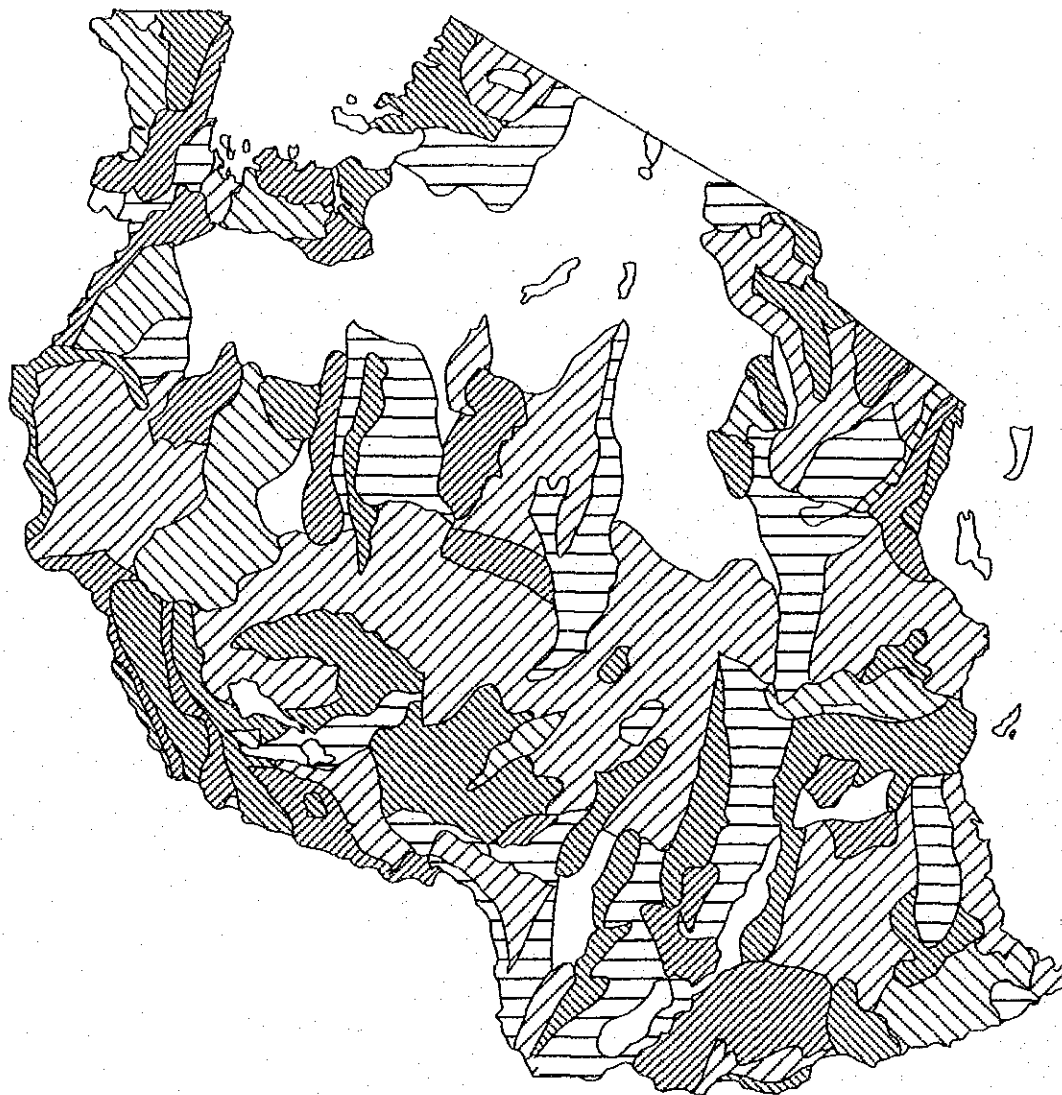


Unit: dimensionless

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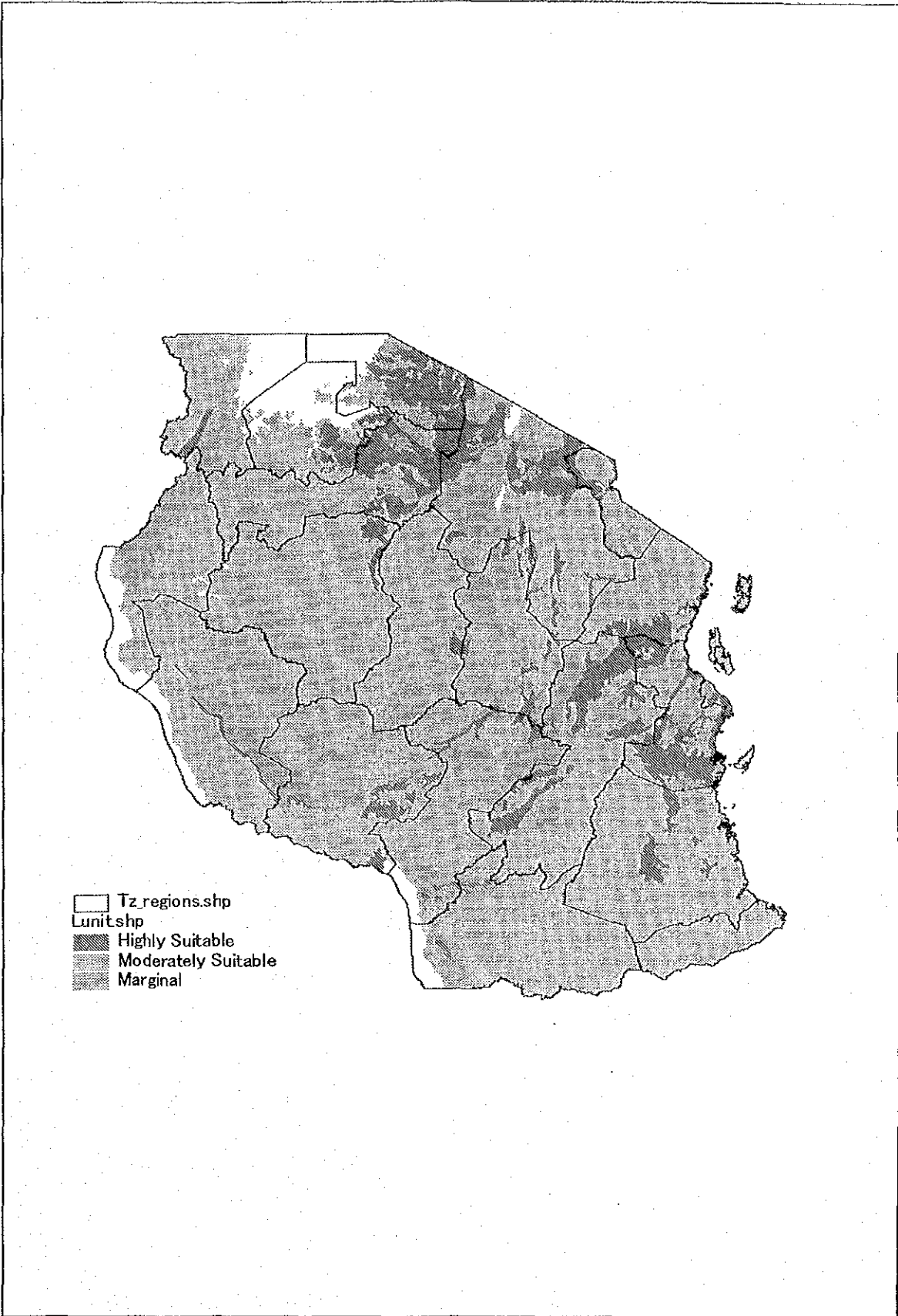
Figure 1.5.3
Distribution of Basic Flow Index(BFI)
in Tanzania



The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

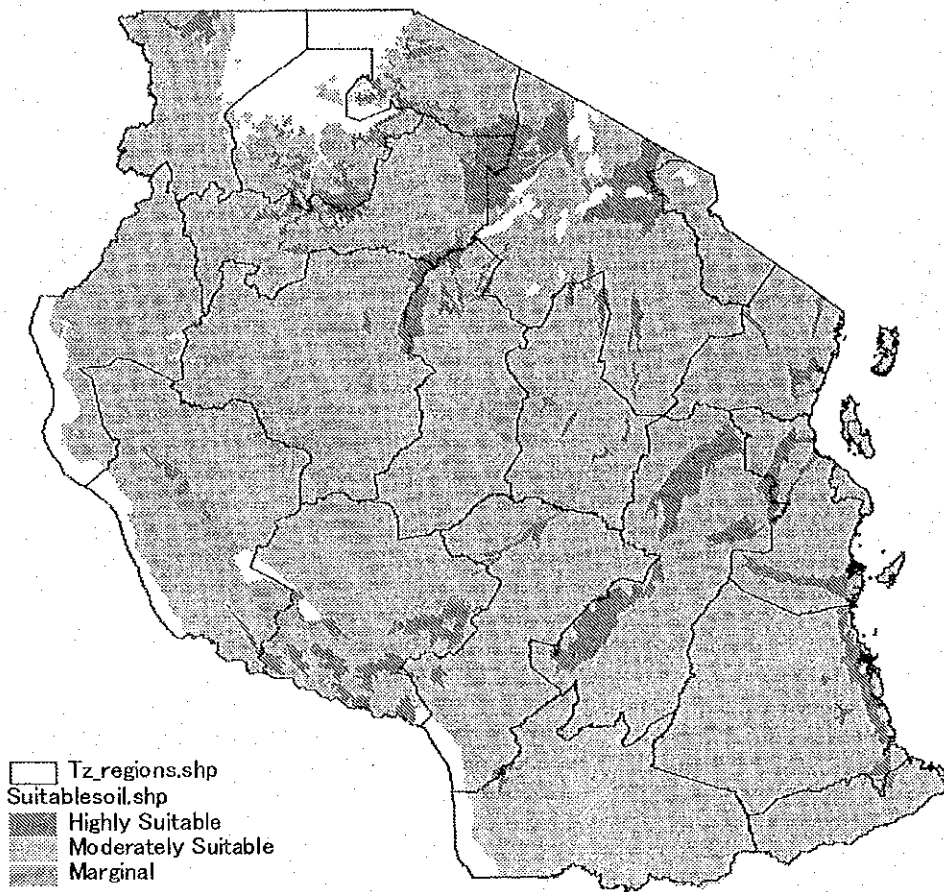
Japan International Cooperation Agency

Figure 1.5.4
General Outline of Groundwater Potential
in Tanzania



□ Tz_regions.shp
 Lunit.shp
 ▨ Highly Suitable
 ▩ Moderately Suitable
 ■ Marginal

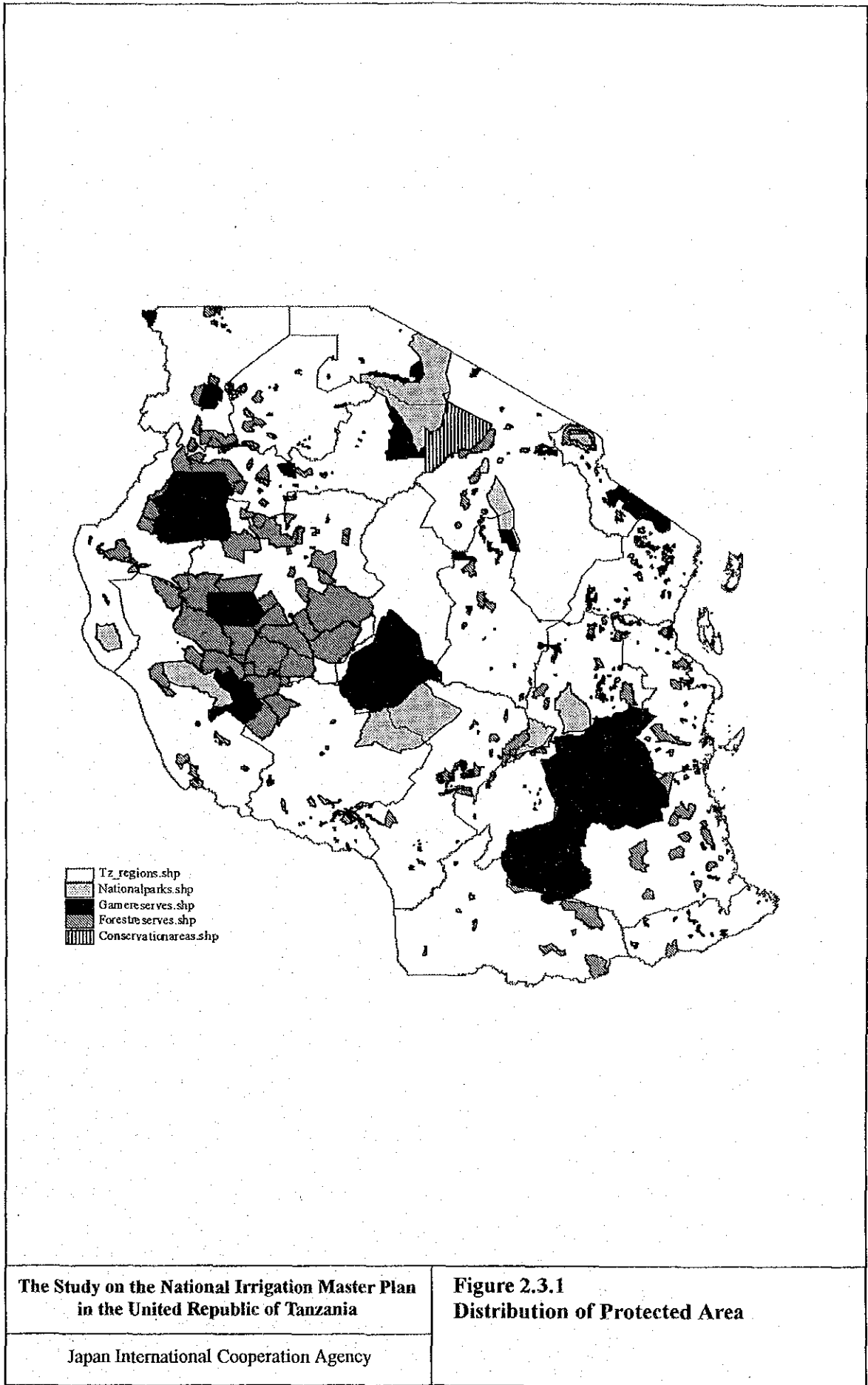
<p>The Study on the National Irrigation Master Plan in the United Republic of Tanzania</p>	<p>Figure 2.1.1 Land Unit Suitability Map</p>
<p>Japan International Cooperation Agency</p>	

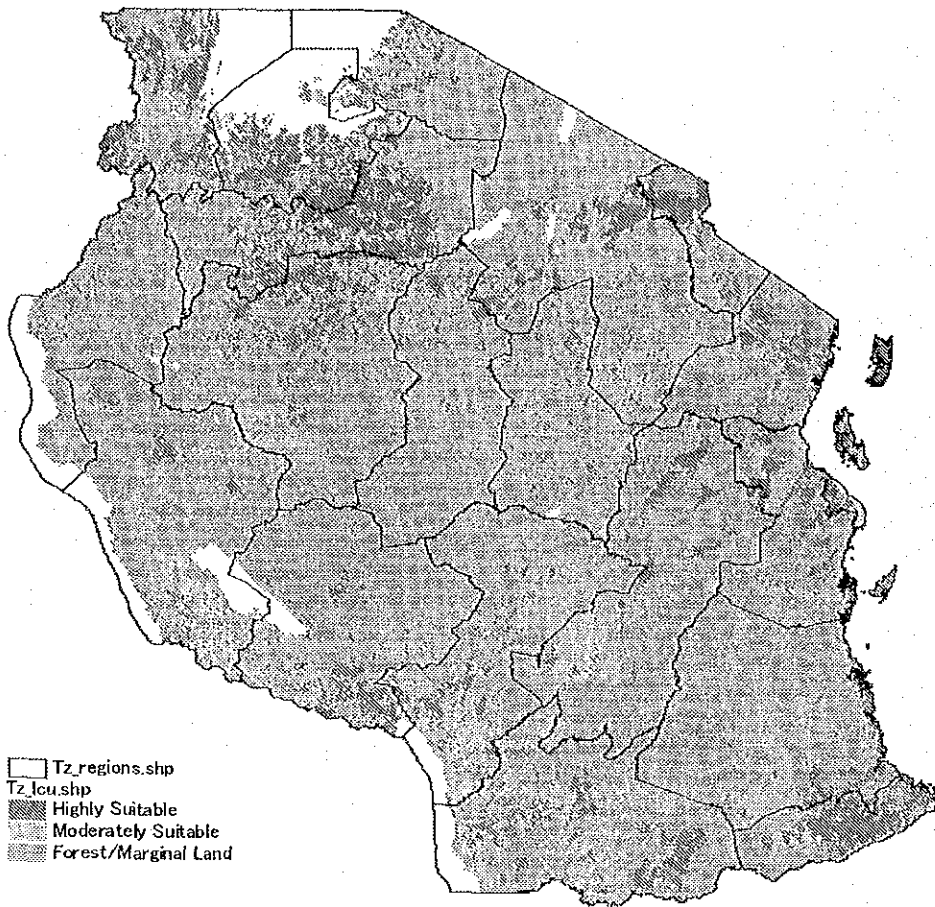


The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

Figure 2.2.1
Soil Suitability Map

Japan International Cooperation Agency

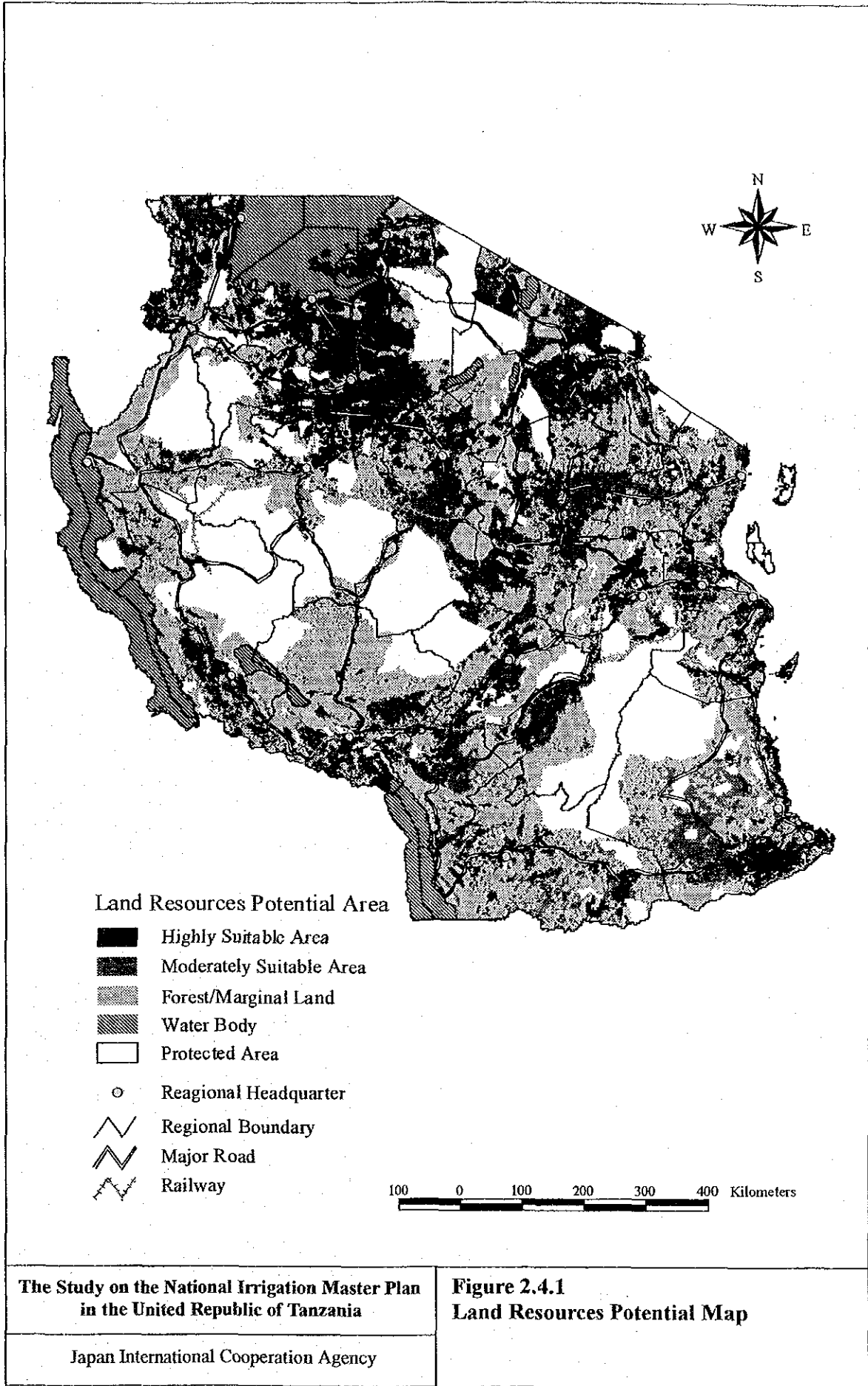


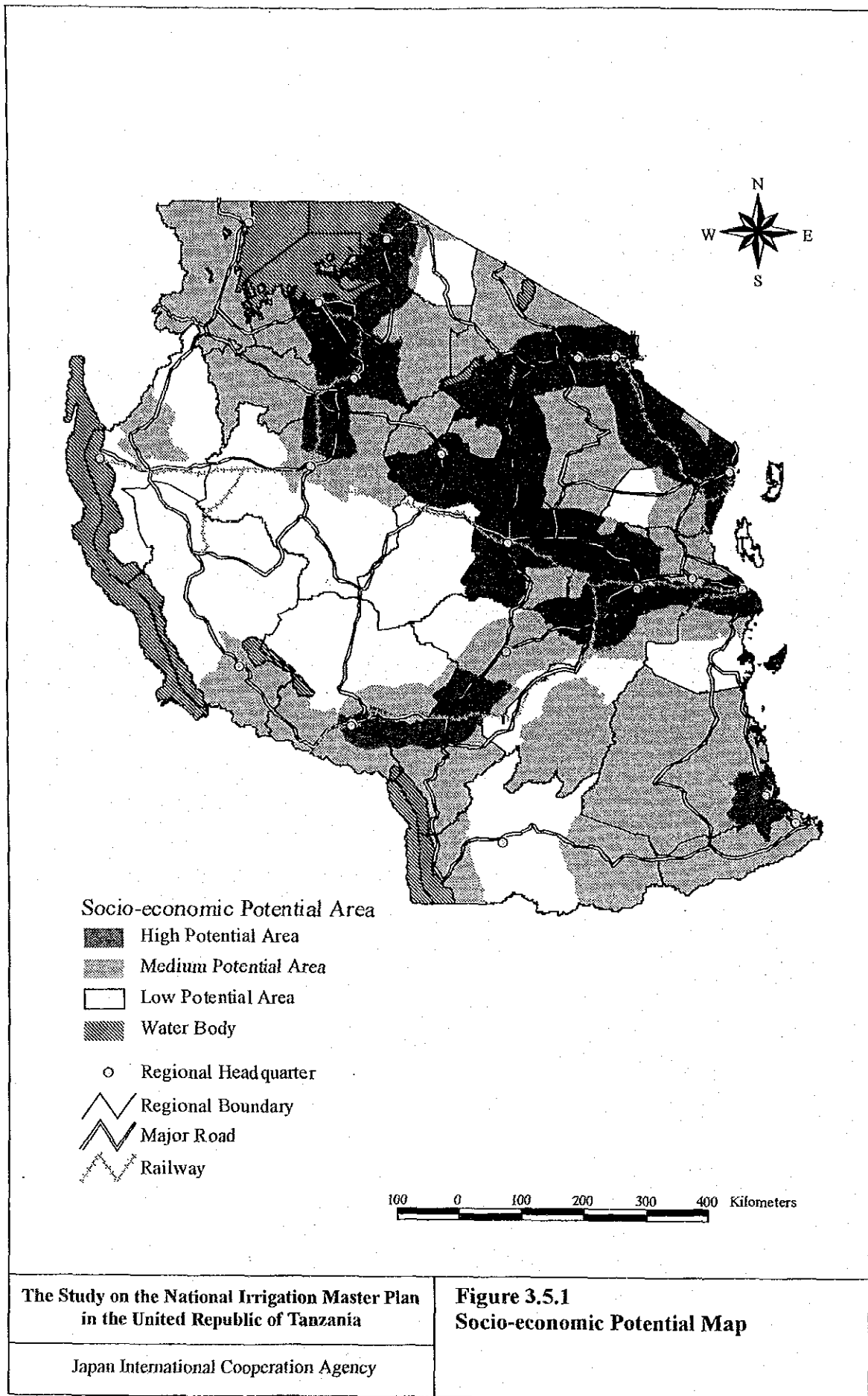


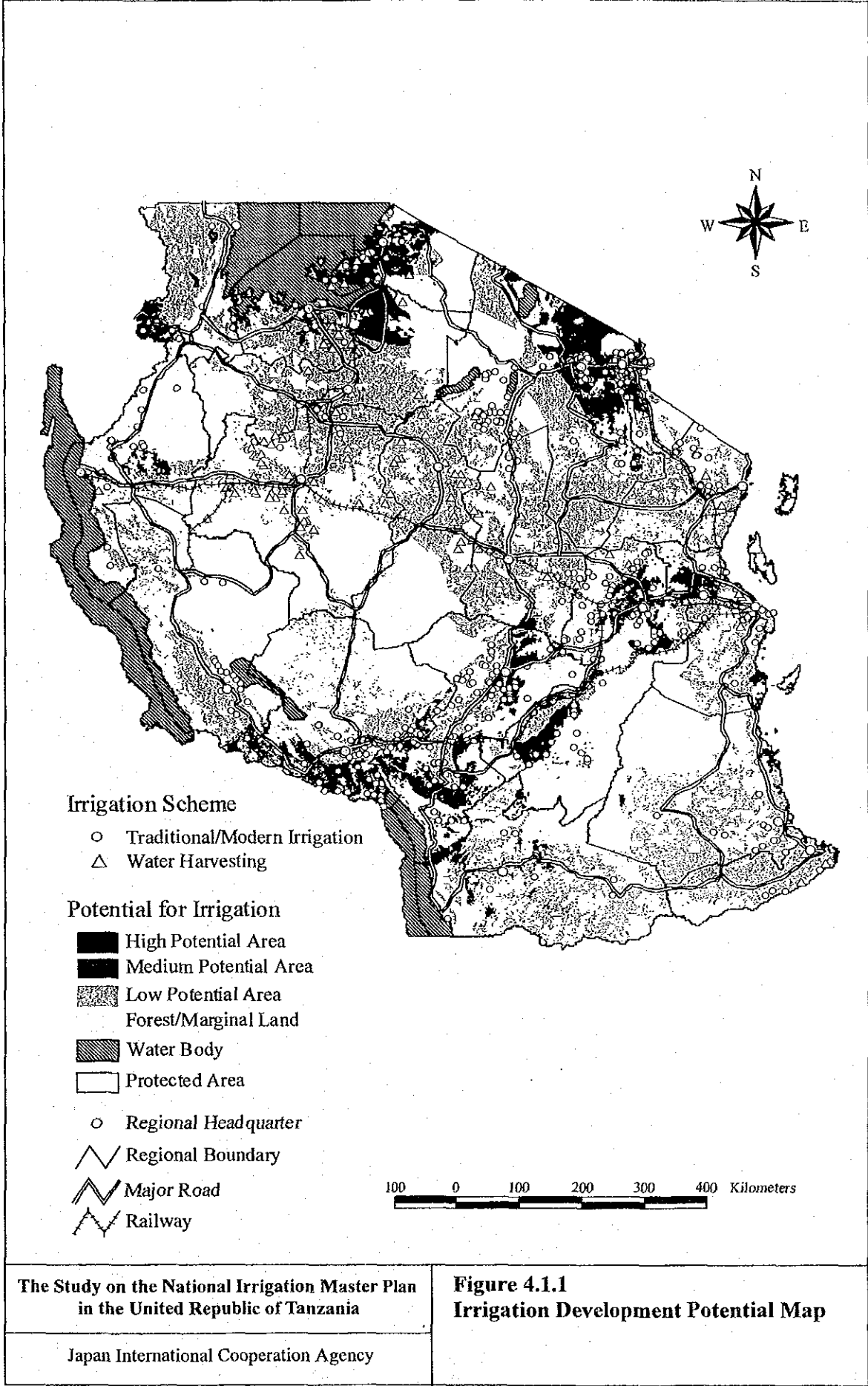
The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

Japan International Cooperation Agency

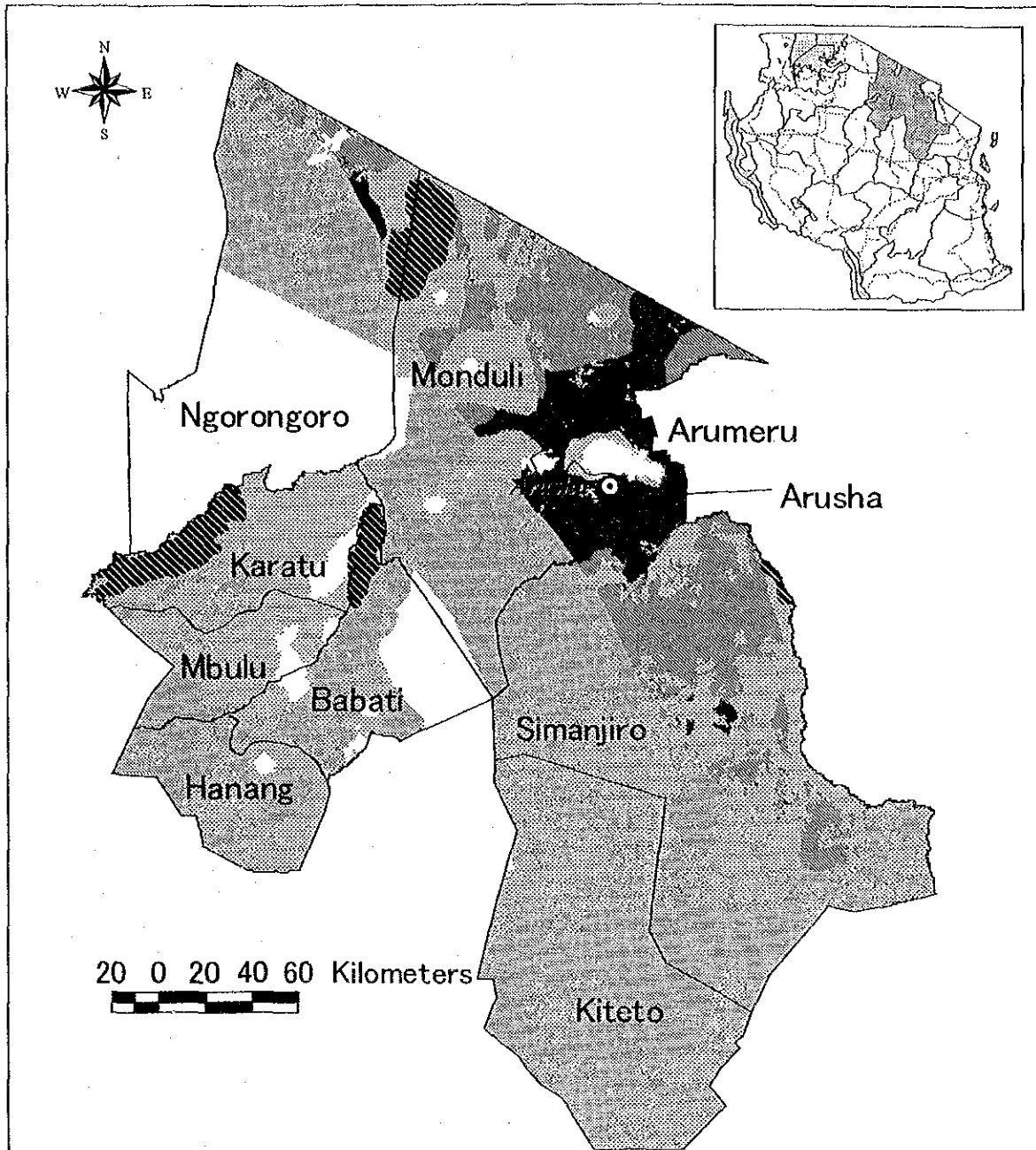
Figure 2.3.2
Land Cover Suitability Map







Attachment



Irrigation Potential Area*

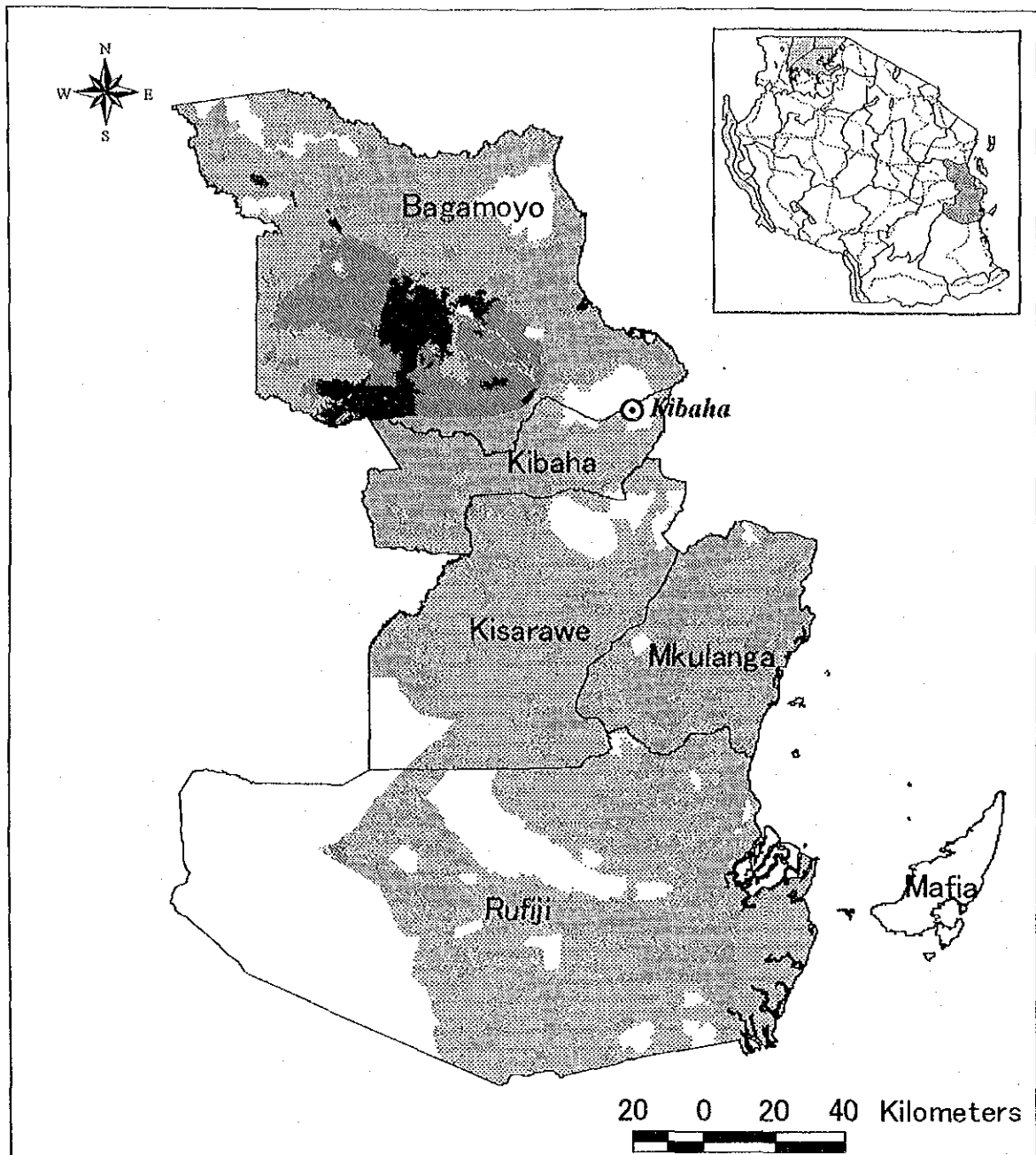
Legend	(1,000 ha)	(%)
High Potential Area	455.3	5.4
Medium Potential Area	758.3	9.0
Low Potential Area	2,626.4	31.2
Forest/Marginal Land	2,939.9	34.9
Water Body	315.1	3.7
Protected Area	1,322.0	15.7
TOTAL AREA	8,417.0	100.0

* Regional data

The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

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Attachment 1
District-base Irrigation Potential
Assessment of Arusha Region



Irrigation Potential Area*

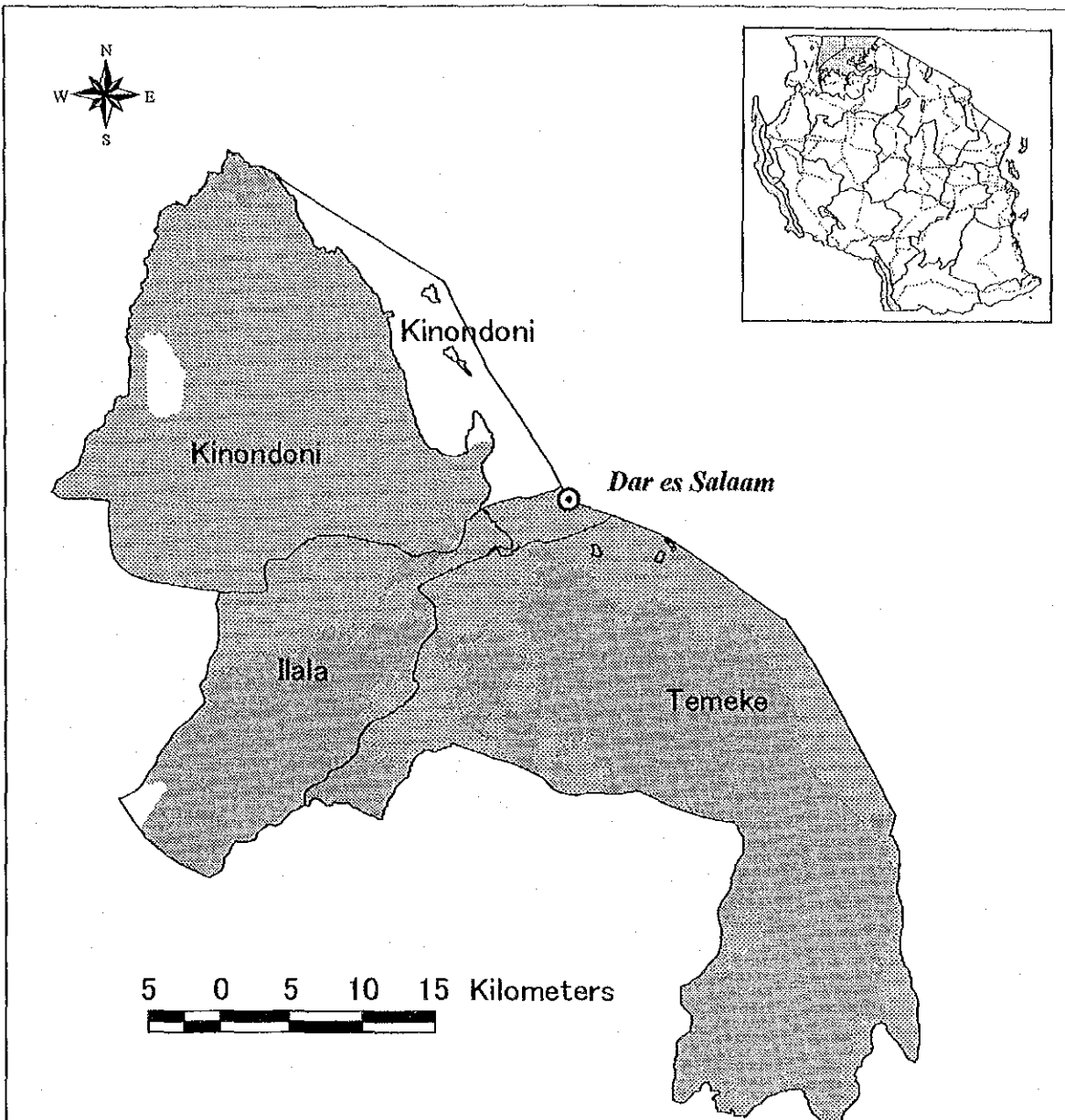
Legend	(1,000 ha)	(%)
High Potential Area	83.0	2.6
Medium Potential Area	171.8	5.4
Low Potential Area	961.7	30.1
Forest/Marginal Land	1,417.6	44.4
Water Body	49.9	1.6
Protected Area	511.0	16.0
TOTAL AREA	3,195.0	100.0

* Regional Data

The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

Japan International Cooperation Agency

Attachment 2
District-base Irrigation Potential
Assessment of Coast Region



Irrigation Potential Area*

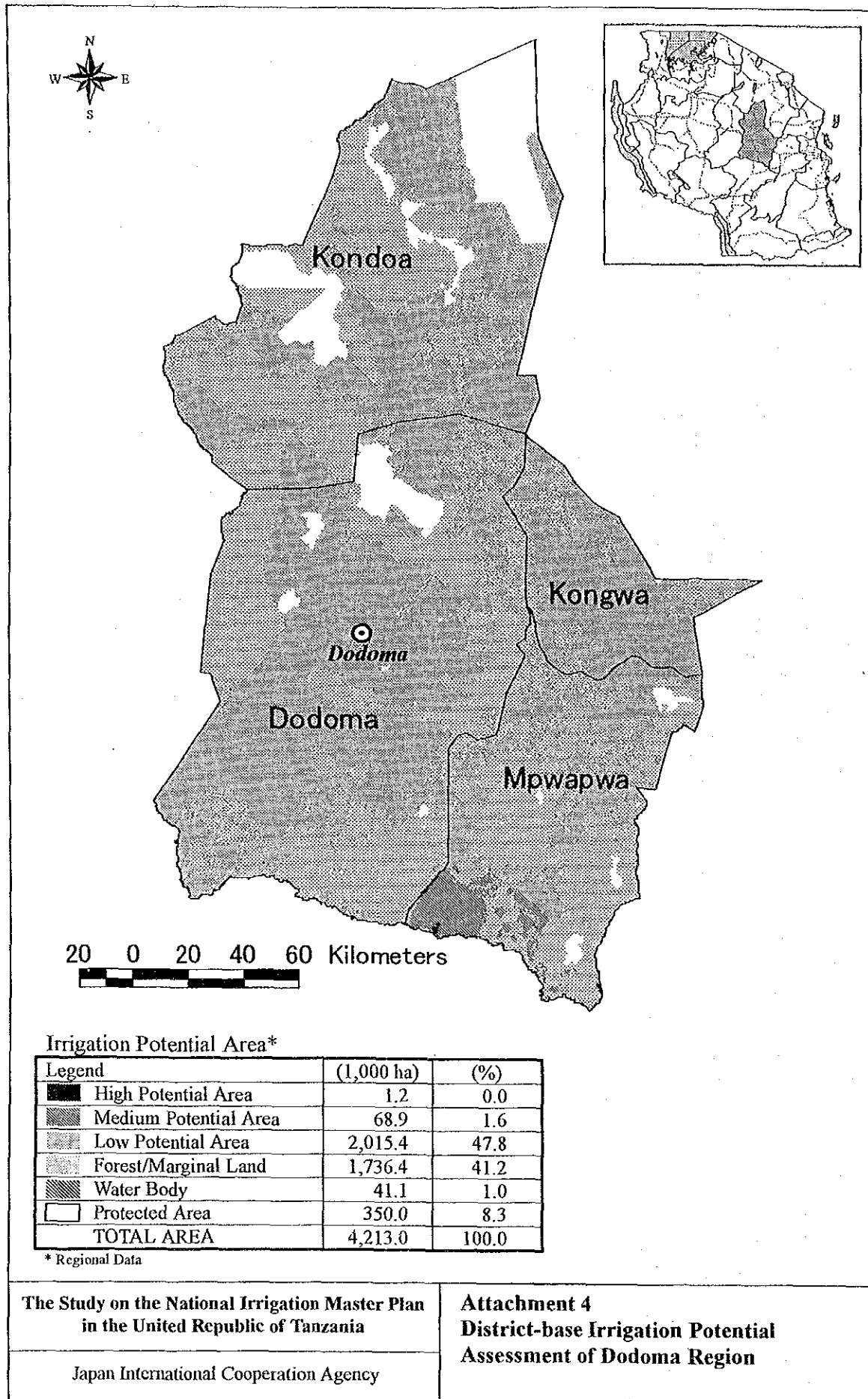
Legend	(1,000 ha)	(%)
High Potential Area	-	-
Medium Potential Area	-	-
Low Potential Area	68.9	39.6
Forest/Marginal Land	83.3	47.9
Water Body	20.8	12.0
Protected Area	1.0	0.6
TOTAL AREA	174.0	100.0

* Regional Data

**The Study on the National Irrigation Master Plan
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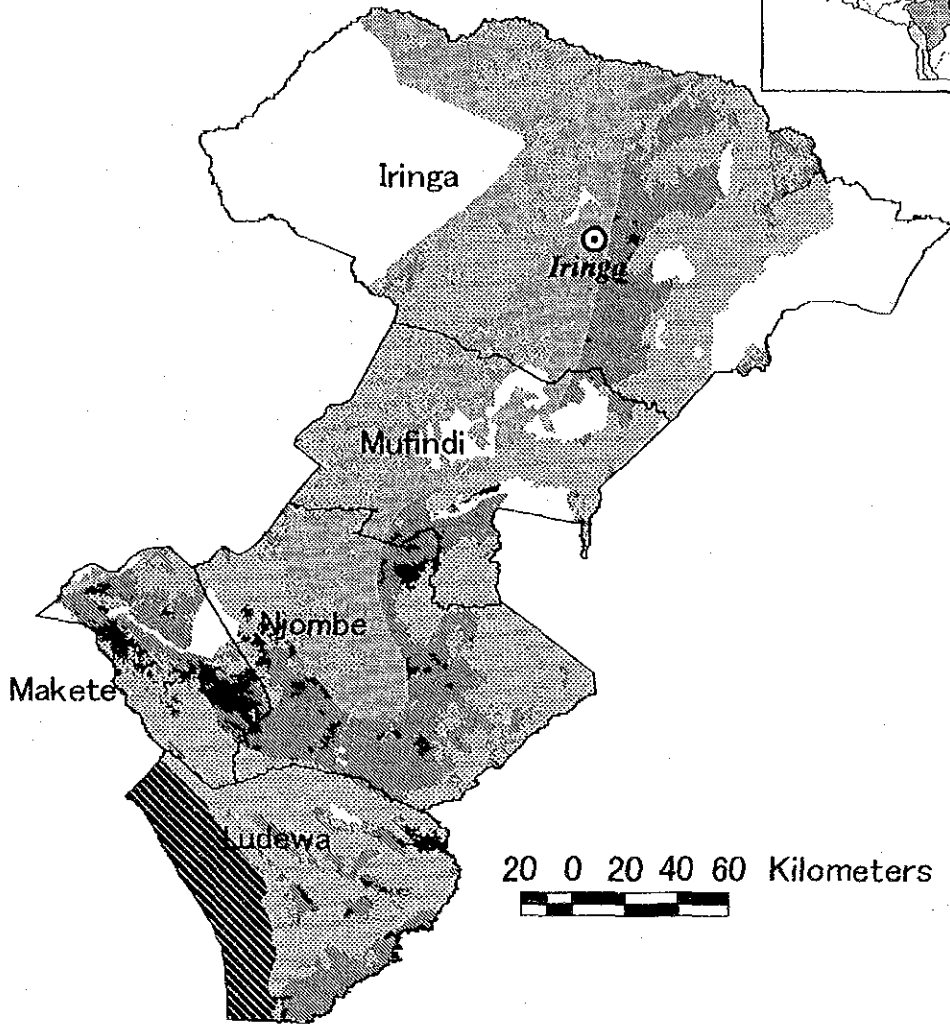
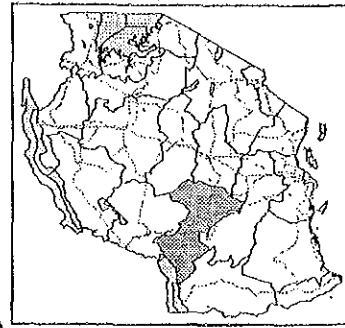
**Attachment 3
District-base Irrigation Potential
Assessment of Dar es Salaam Region**



The Study on the National Irrigation Master Plan
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Japan International Cooperation Agency

Attachment 4
District-base Irrigation Potential
Assessment of Dodoma Region



Irrigation Potential Area*

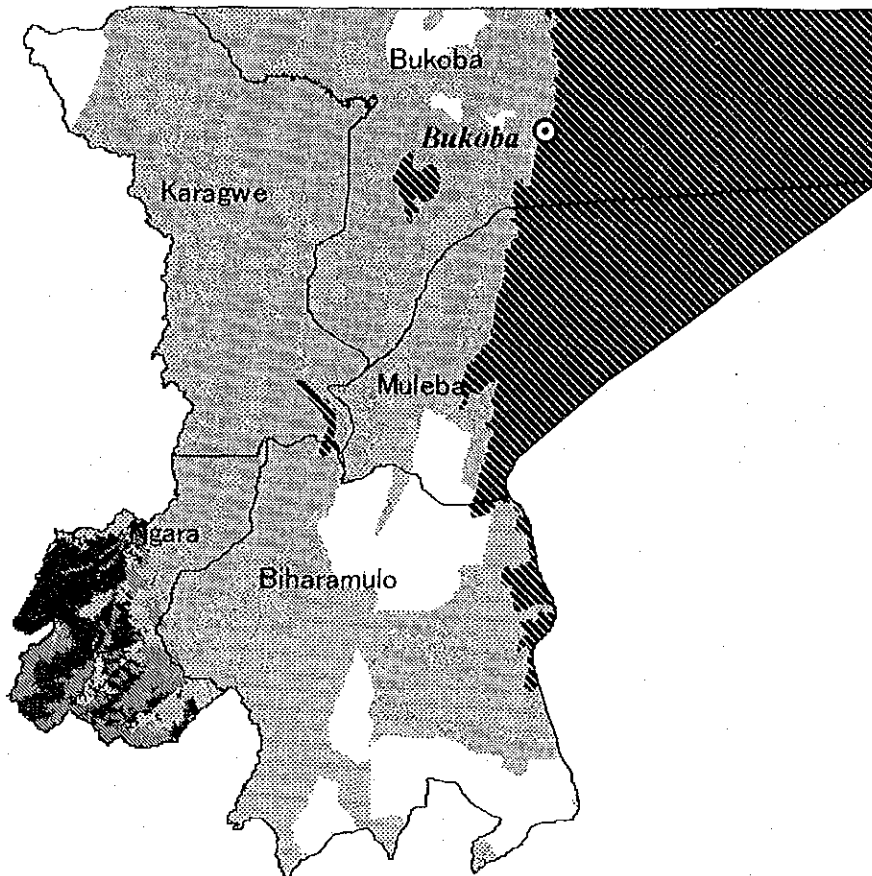
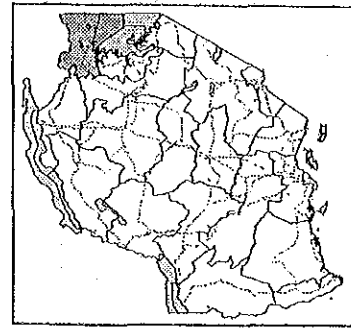
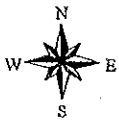
Legend	(1,000 ha)	(%)
High Potential Area	163.6	2.8
Medium Potential Area	1,091.5	18.4
Low Potential Area	1,125.0	19.0
Forest/Marginal Land	2,630.1	44.4
Water Body	268.8	4.5
Protected Area	646.0	10.9
TOTAL AREA	5,925.0	100.0

* Regional Data

The Study on the National Irrigation Master Plan
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Attachment 5
District-base Irrigation Potential
Assessment of Iringa Region



20 0 20 40 60 Kilometers

Irrigation Potential Area*

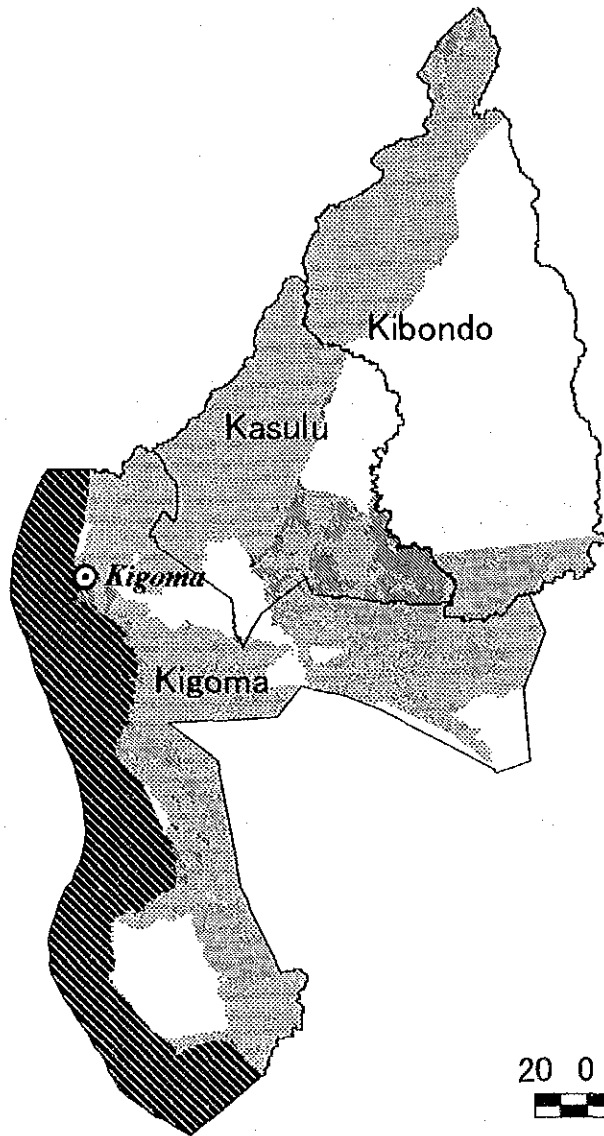
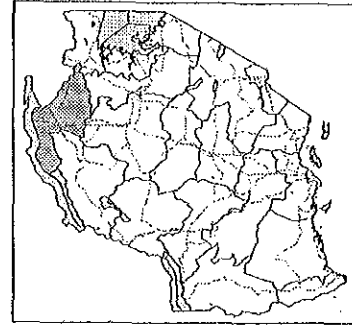
Legend	(1,000 ha)	(%)
High Potential Area	96.3	2.4
Medium Potential Area	59.0	1.5
Low Potential Area	1,063.2	27.0
Forest/Marginal Land	669.2	17.0
Water Body	1,158.3	29.5
Protected Area	887.0	22.6
TOTAL AREA	3,933.0	100.0

* Regional Data

The Study on the National Irrigation Master Plan
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Japan International Cooperation Agency

Attachment 6
District-base Irrigation Potential
Assessment of Kagera Region



20 0 20 40 60 Kilometers

Irrigation Potential Area*

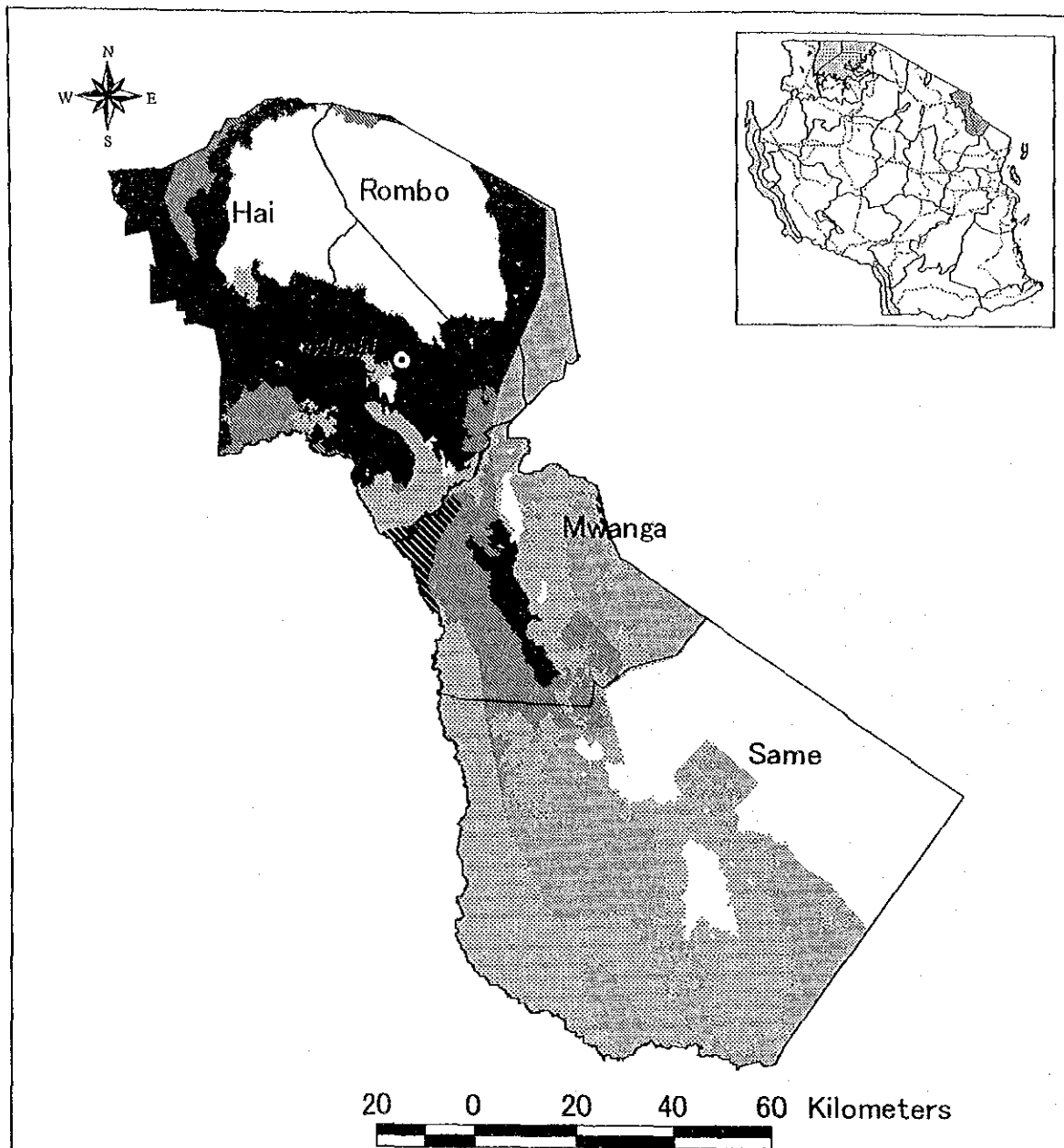
Legend	(1,000 ha)	(%)
High Potential Area	0.7	0.0
Medium Potential Area	107.4	2.3
Low Potential Area	271.1	5.9
Forest/Marginal Land	1,389.3	30.1
Water Body	944.4	20.5
Protected Area	1,899.0	41.2
TOTAL AREA	4,612.0	100.0

* Regional data

**The Study on the National Irrigation Master Plan
in the United Republic of Tanzania**

Japan International Cooperation Agency

**Attachment 7
District-base Irrigation Potential
Assessment of Kigoma Region**



Irrigation Potential Area*

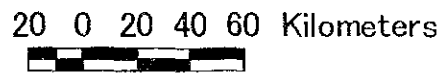
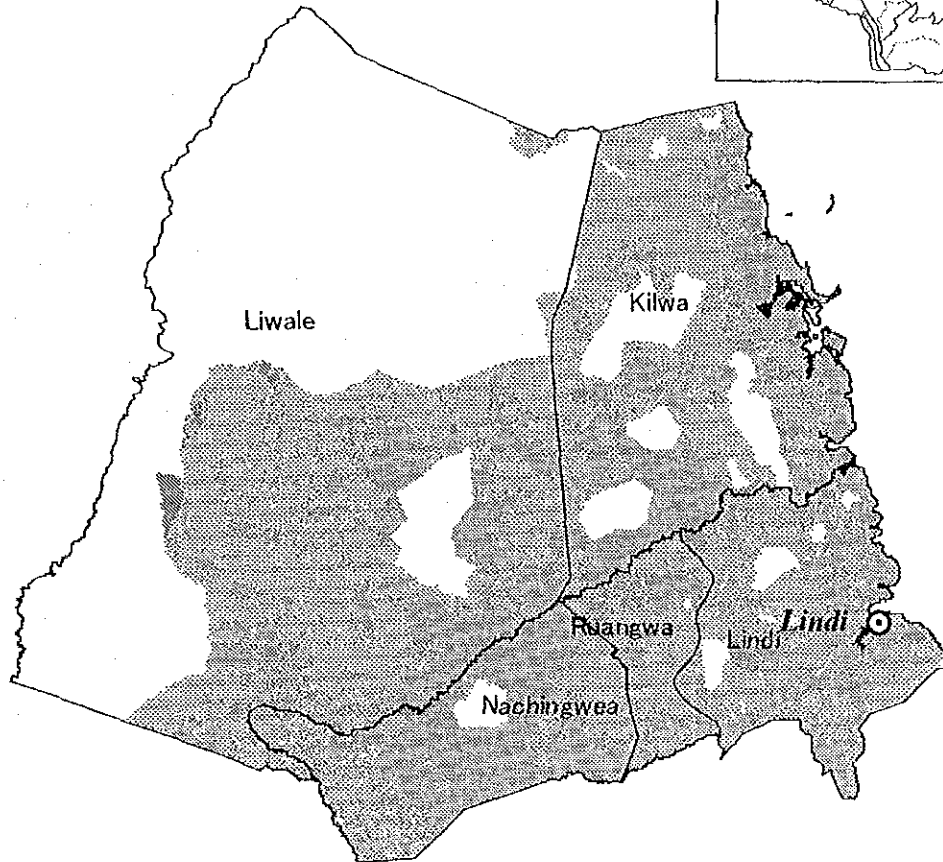
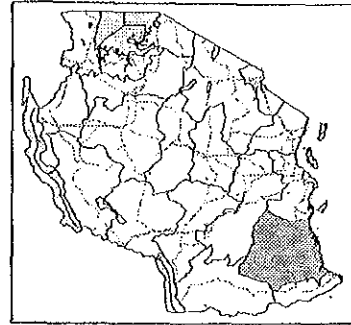
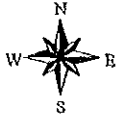
Legend	(1,000 ha)	(%)
High Potential Area	238.5	17.9
Medium Potential Area	109.6	8.2
Low Potential Area	231.6	17.4
Forest/Marginal Land	332.9	25.0
Water Body	31.4	2.4
Protected Area	390.0	29.2
TOTAL AREA	1,334.0	100.0

* Regional data

The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

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Attachment 8
District-base Irrigation Potential
Assessment of Kilimanjaro Region



Irrigation Potential Area*

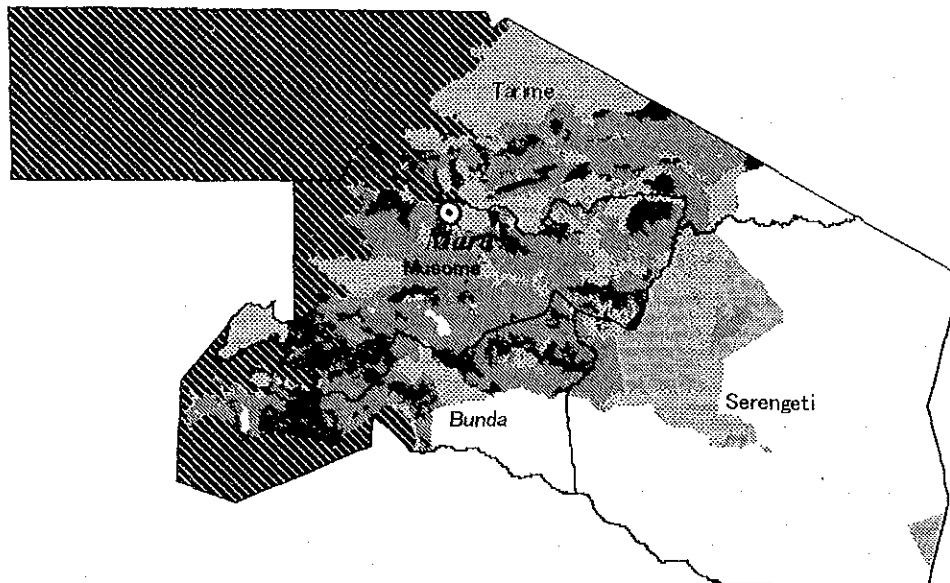
Legend	(1,000 ha)	(%)
High Potential Area	-	-
Medium Potential Area	19.6	0.3
Low Potential Area	1,704.9	25.3
Forest/Marginal Land	2,433.6	36.1
Water Body	22.9	0.3
Protected Area	2,552.0	37.9
TOTAL AREA	6,733.0	100.0

* Regional data

The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

Japan International Cooperation Agency

Attachment 9
District-base Irrigation Potential
Assessment of Lindi Region



20 0 20 40 60 Kilometers



Irrigation Potential Area*

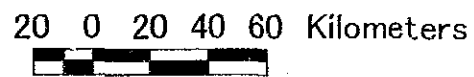
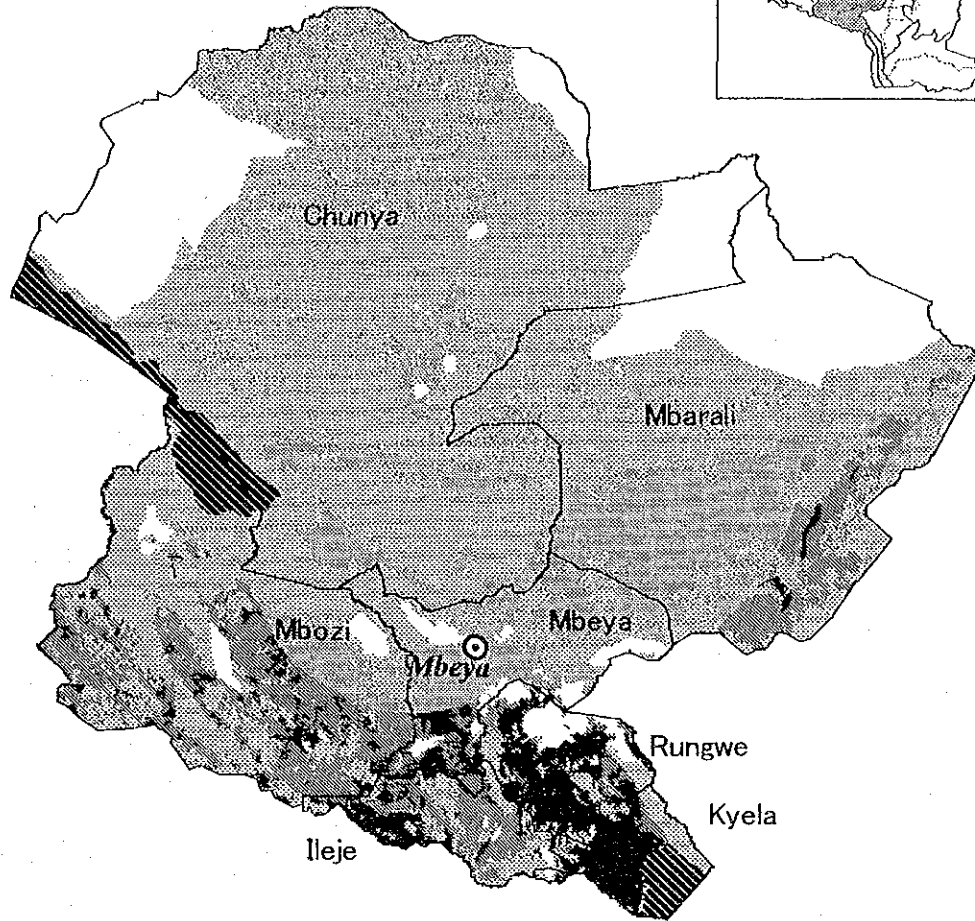
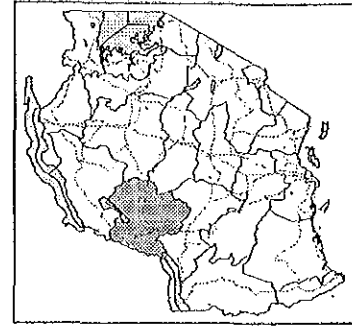
Legend	(1,000 ha)	(%)
High Potential Area	210.1	6.9
Medium Potential Area	576.5	18.9
Low Potential Area	123.4	4.0
Forest/Marginal Land	435.4	14.3
Water Body	899.5	29.5
Protected Area	809.0	26.5
TOTAL AREA	3,054.0	100.0

* Regional Data

The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

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Attachment 10
District-base Irrigation Potential
Assessment of Mara Region



Irrigation Potential Area*

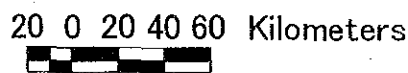
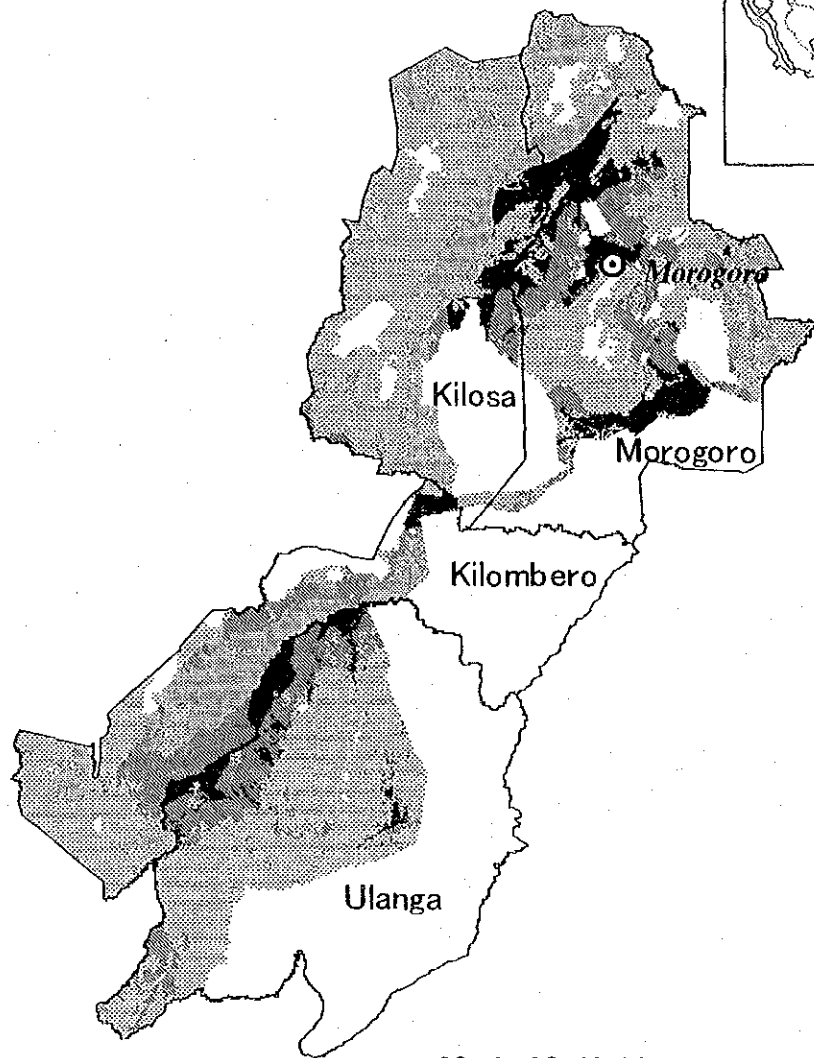
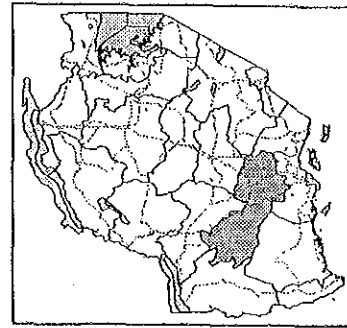
Legend	(1,000 ha)	(%)
High Potential Area	285.1	4.5
Medium Potential Area	499.7	7.9
Low Potential Area	884.8	14.0
Forest/Marginal Land	3,329.6	52.6
Water Body	309.8	4.9
Protected Area	1,016.0	16.1
TOTAL AREA	6,325.0	100.0

* Regional Data

The Study on the National Irrigation Master Plan
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Attachment 11
District-base Irrigation Potential
Assessment of Mbeya Region



Irrigation Potential Area*

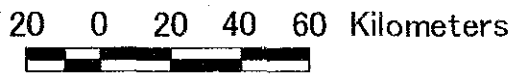
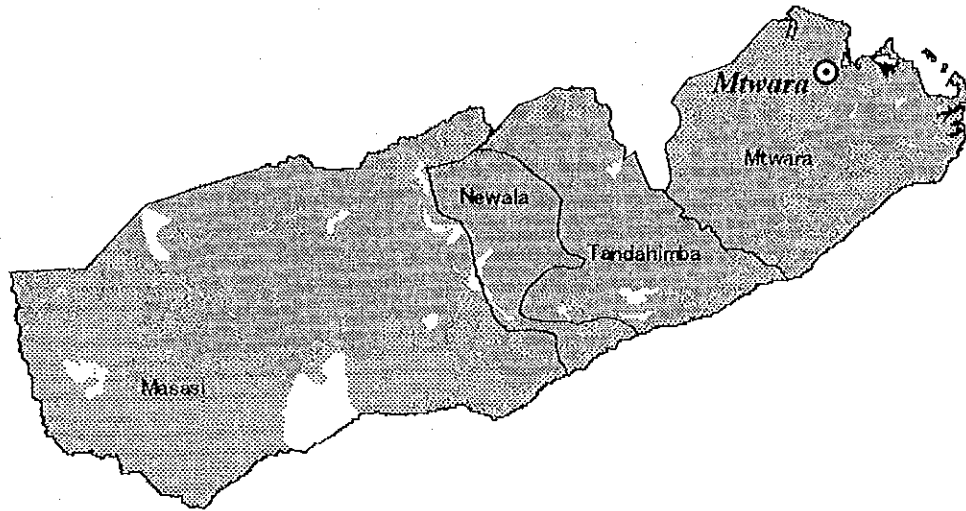
Legend	(1,000 ha)	(%)
High Potential Area	376.8	5.4
Medium Potential Area	602.4	8.7
Low Potential Area	574.3	8.3
Forest/Marginal Land	2,299.1	33.2
Water Body	30.4	0.4
Protected Area	3,045.0	44.0
TOTAL AREA	6,928.0	100.0

* Regional Data

The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

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Attachment 12
District-base Irrigation Potential
Assessment of Morogoro Region



Irrigation Potential Area*

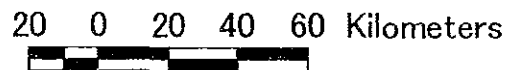
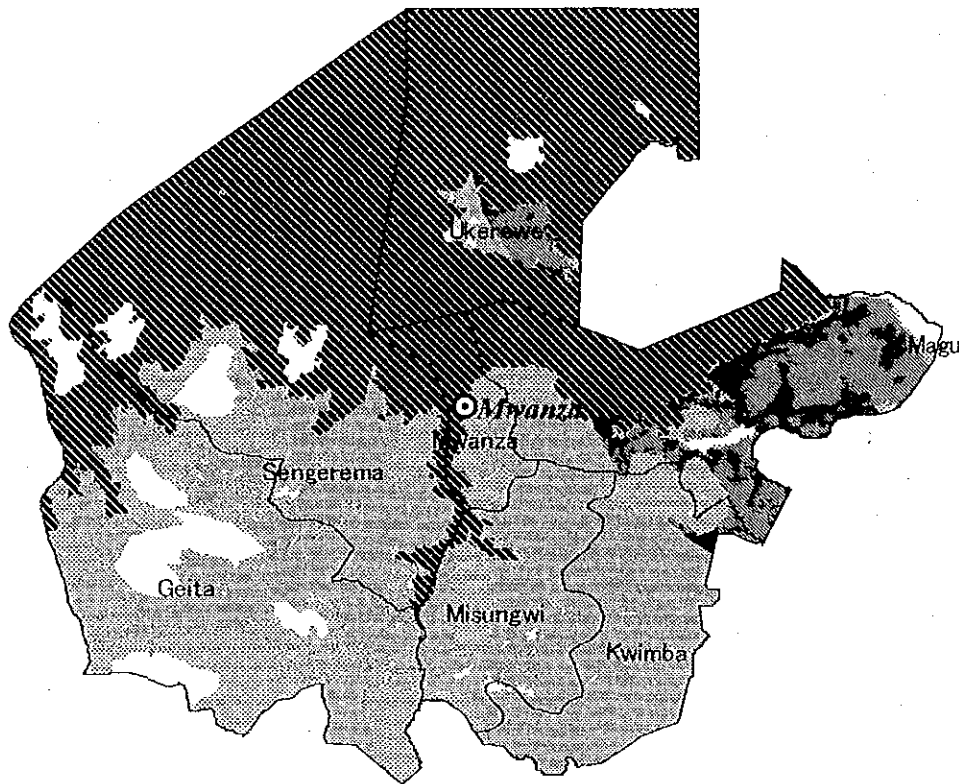
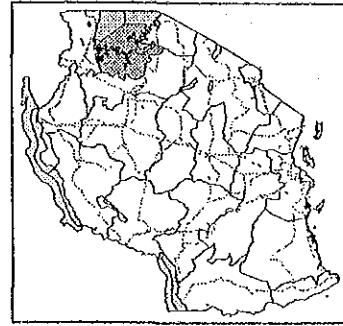
Legend	(1,000 ha)	(%)
High Potential Area	-	-
Medium Potential Area	-	-
Low Potential Area	1,332.7	60.7
Forest/Marginal Land	768.6	35.0
Water Body	20.7	0.9
Protected Area	72.0	3.3
TOTAL AREA	2,194.0	100.0

* Regional Data

**The Study on the National Irrigation Master Plan
in the United Republic of Tanzania**

Japan International Cooperation Agency

**Attachment 13
District-base Irrigation Potential
Assessment of Mtwara Region**



Irrigation Potential Area*

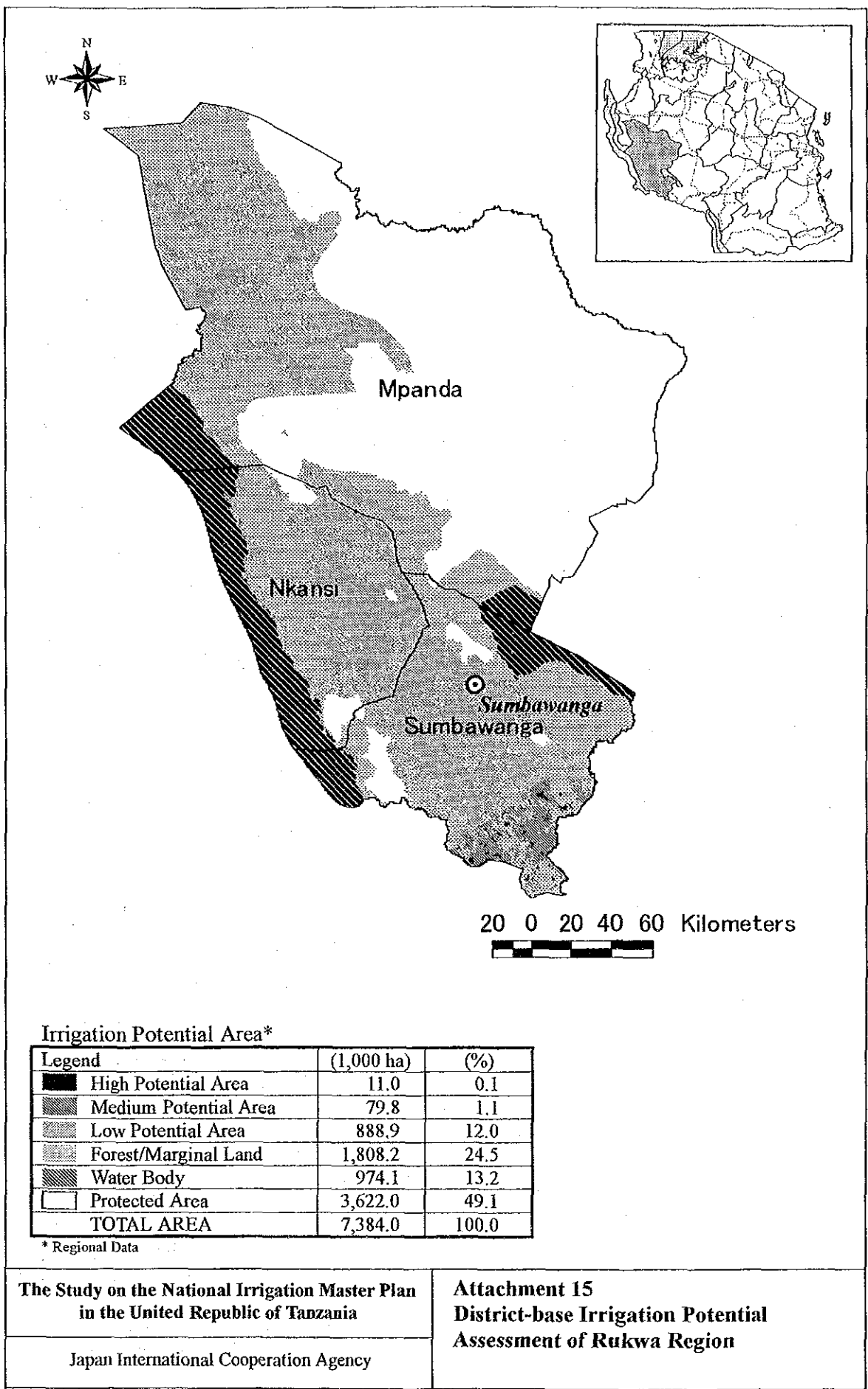
Legend	(1,000 ha)	(%)
High Potential Area	98.6	2.8
Medium Potential Area	165.0	4.7
Low Potential Area	1,013.0	28.6
Forest/Marginal Land	479.8	13.6
Water Body	1,577.7	44.6
Protected Area	204.0	5.8
TOTAL AREA	3,538.0	100.0

* Regional Data

The Study on the National Irrigation Master Plan
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Japan International Cooperation Agency

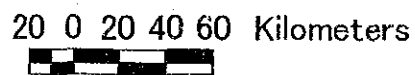
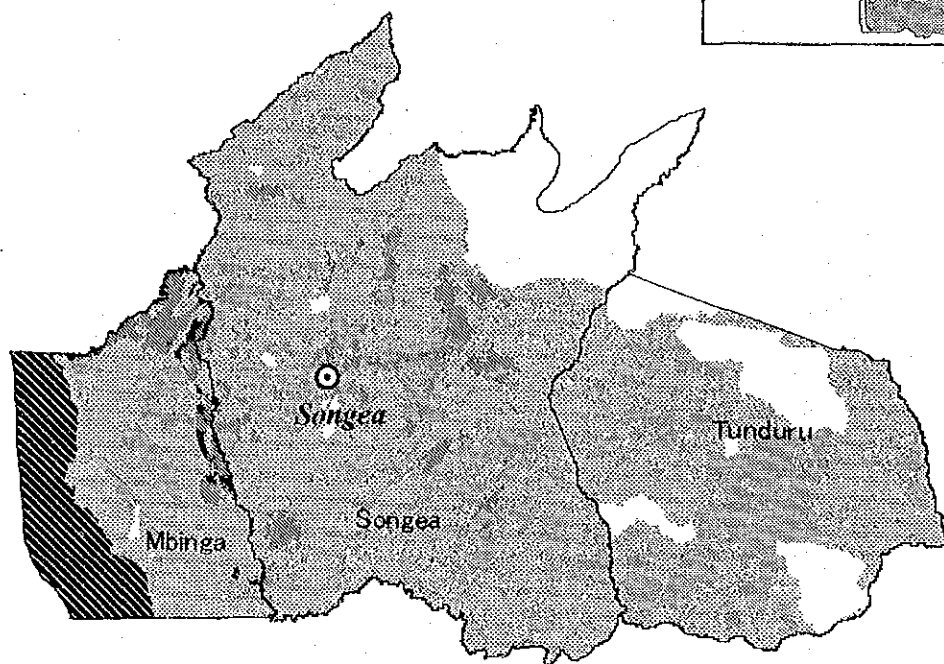
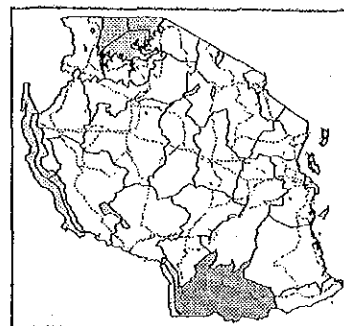
Attachment 14
District-base Irrigation Potential
Assessment of Mwanza Region



The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

Japan International Cooperation Agency

Attachment 15
District-base Irrigation Potential
Assessment of Rukwa Region



Irrigation Potential Area*

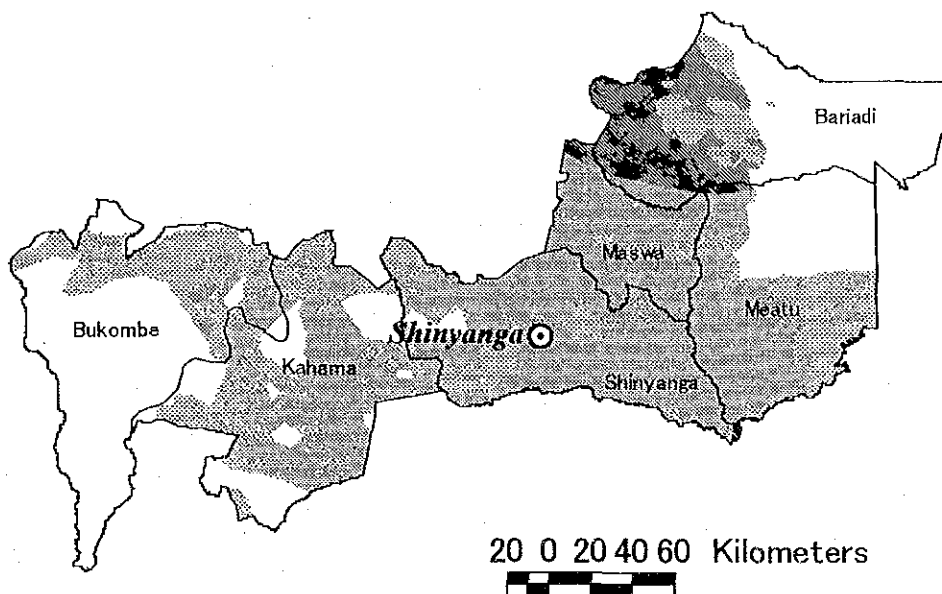
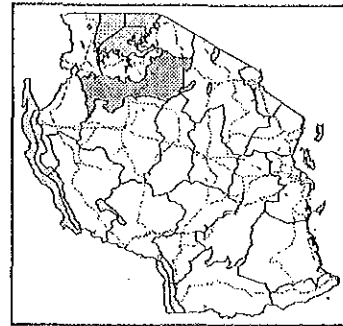
Legend	(1,000 ha)	(%)
High Potential Area	23.2	0.4
Medium Potential Area	283.7	4.3
Low Potential Area	1,617.8	24.6
Forest/Marginal Land	3,283.9	49.9
Water Body	336.3	5.1
Protected Area	1,042.0	15.8
TOTAL AREA	6,587.0	100.0

* Regional Data

**The Study on the National Irrigation Master Plan
in the United Republic of Tanzania**

Japan International Cooperation Agency

**Attachment 16
District-base Irrigation Potential
Assessment of Ruvuma Region**



Irrigation Potential Area*

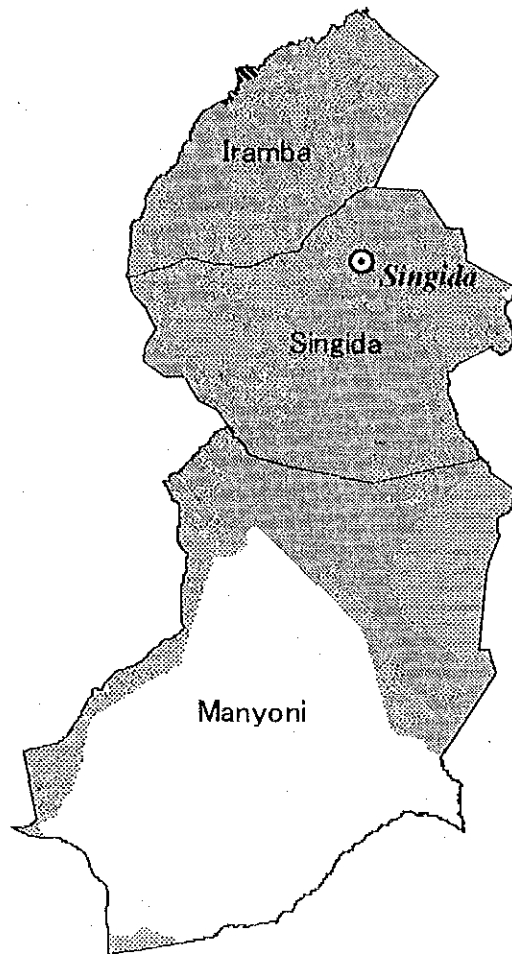
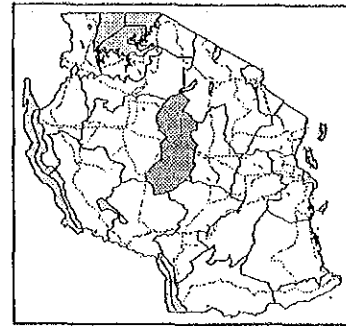
Legend	(1,000 ha)	(%)
High Potential Area	80.4	1.6
Medium Potential Area	215.6	4.3
Low Potential Area	1,821.1	36.3
Forest/Marginal Land	811.0	16.2
Water Body	61.9	1.2
Protected Area	2,023.0	40.4
TOTAL AREA	5,013.0	100.0

* Regional Data

The Study on the National Irrigation Master Plan
in the United Republic of Tanzania

Japan International Cooperation Agency

Attachment 17
District-base Irrigation Potential
Assessment of Shinyanga Region



Irrigation Potential Area*

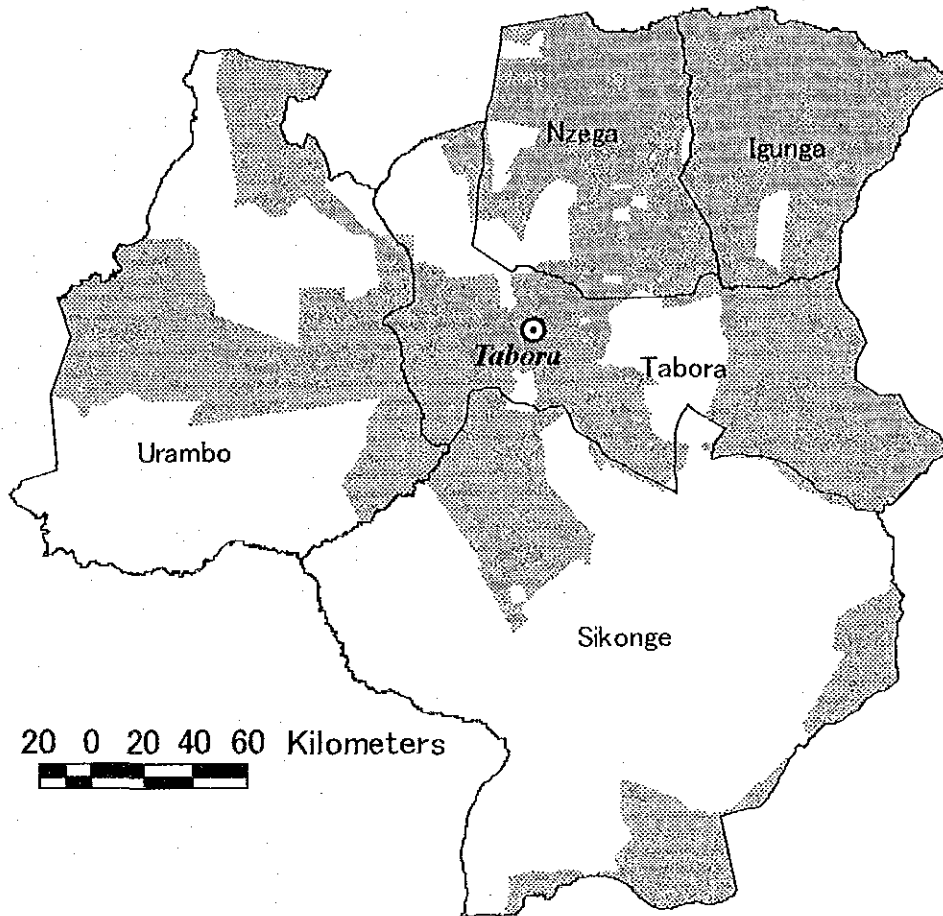
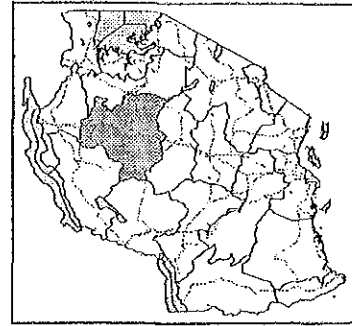
Legend	(1,000 ha)	(%)
High Potential Area	-	-
Medium Potential Area	-	-
Low Potential Area	1,348.9	27.6
Forest/Marginal Land	931.1	19.1
Water Body	112.0	2.3
Protected Area	2,494.0	51.0
TOTAL AREA	4,886.0	100.0

* Regional Data

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Attachment 18
District-base Irrigation Potential
Assessment of Singida Region



Irrigation Potential Area*

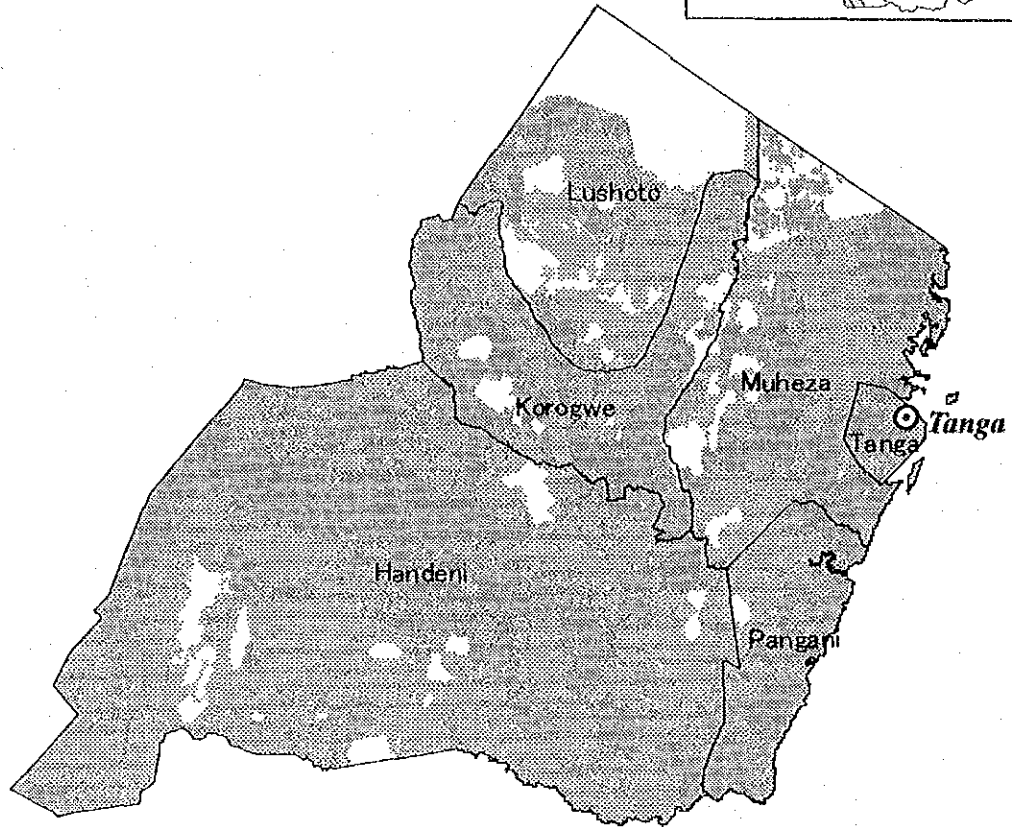
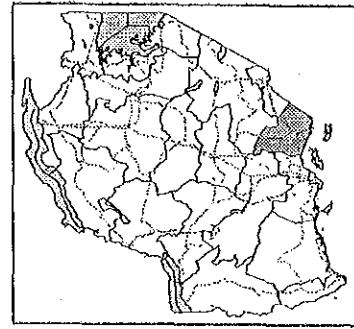
Legend	(1,000 ha)	(%)
High Potential Area	-	-
Medium Potential Area	-	-
Low Potential Area	1,517.0	20.0
Forest/Marginal Land	1,888.9	24.9
Water Body	170.1	2.2
Protected Area	4,025.0	53.0
TOTAL AREA	7,601.0	100.0

* Regional Data

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Attachment 19
District-base Irrigation Potential
Assessment of Tabora Region



Irrigation Potential Area*

Legend	(1,000 ha)	(%)
High Potential Area	-	-
Medium Potential Area	-	-
Low Potential Area	1,151.3	41.1
Forest/Marginal Land	1,428.2	51.0
Water Body	1.5	0.1
Protected Area	219.0	7.8
TOTAL AREA	2,800.0	100.0

* Regional Data

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**Attachment 20
District-base Irrigation Potential
Assessment of Tanga Region**