



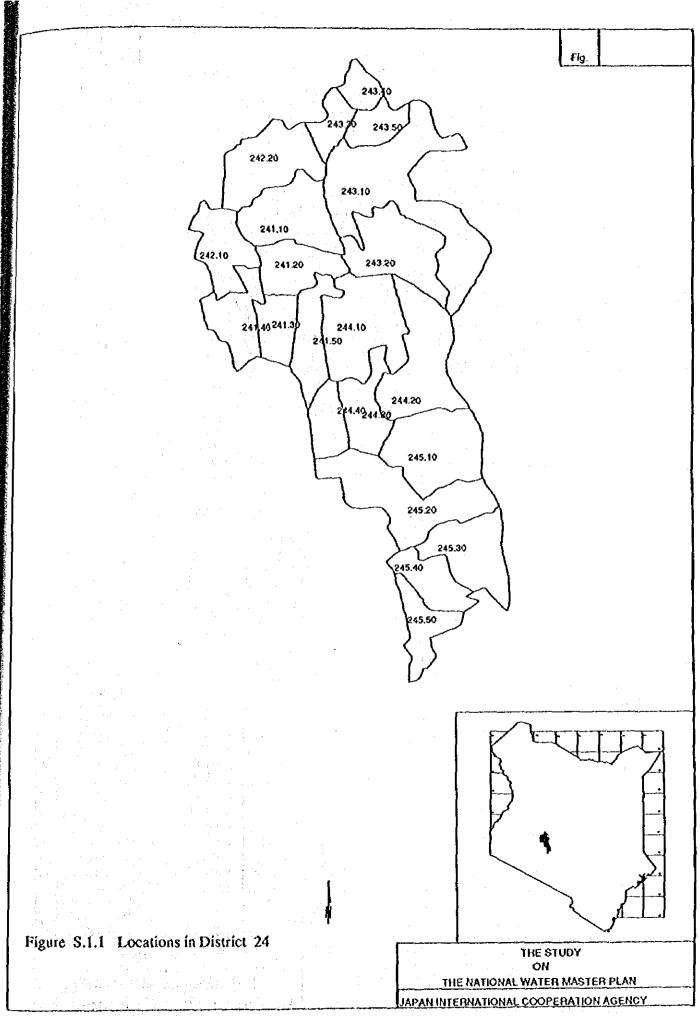
APPENDIX S.1

Examples of Data in GIS Data base

Examples of Data in GIS Data Base

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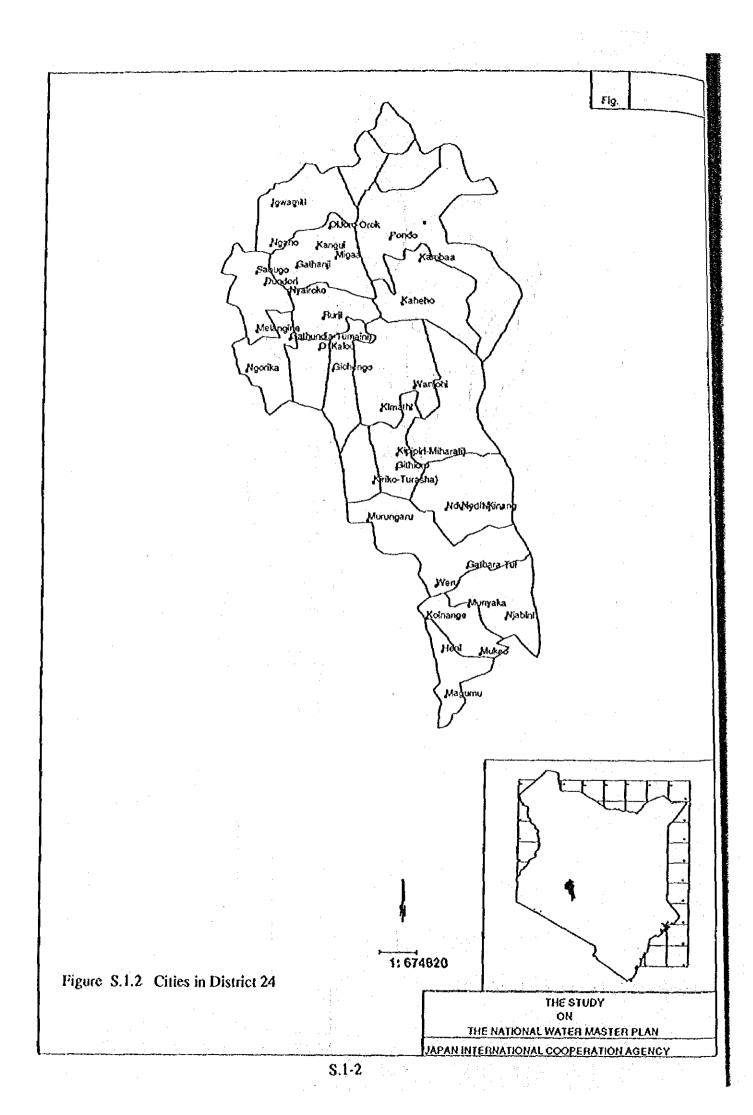


Figure S.1.3 Projected Urban Population by Town

Town Name	Loc	ation of Town Centre	Projected Urban Population (1000)				
town name	Code	Location Name	1990	1995	2000	2005	2010
Nairobi(*)(**)	110		1,481.8	1,882.2	2,370.4	2,949.7	3,633.9
Klambu	210		130.8	188.2	277.8	382.8	517.5
Karuri	211.1	Klambaa	2.2	2.9	3.8	4.9	6.1
Klambu(*)	211.4	Kiambu Municipality	8.7	12.6	17.9	24.9	34.
GatundurNgenda	212.1	Ngenda	0.0	0.0	1.6	2.0	2.
Hangu		Hangu	0.0	0.0	0.6	0.7	Ò.
Kiganjo	212.3	Kiganjo	0.0	0.0	0.5	0.6	0.
Limuru	213.1	Limora	3.3	4.4	5.7	7.4	9.
Tigóni	213,2	Tigoni	0.0	0.0	1.9	2.3	2.
Rutru	214.1	Rutra	3.3	4.4	5.7	7.3	9.
Kdarugu	214.3	Juja	0.0	0.0	2.1	2.5	3.
Thika	214.4	Thika Hunicipality	97.9	141.8	201.8	280.7	382.
Githunguri	215.1	Githunguri	6.0	8.5	12.3	17.1	23.
Wang Ige	216.1	Kabete	0.0	0.0	0.9	1.1	ı.
Kikuyu	216.6	Kikuyu	9.4	13.6	19.3	26.9	36.
Kimende		Kijabe	0.0	0.0	0.5	0.6	0.
Kagwa	217.3	=	0.0	0.0	3.1	3.8	4.
Kirinyaga	220		16.6	22.8	32.6	42.6	54.
Xanguru .	4	Tebera	0.0	0.0	1.0	1.2	. 1.
Sagana		Kilne	4.4	6.1	8.2	10.8	13.
Kerugoya(*)	222.3		7.5	10.3	13.9	18.3	23.
Baricho	222.4		0.0	0.0	0.5	0.6	Q.
Kutus		Kabare	4.7	6.4	8.7	11.4	14.
Klanyaga		Baragwi	0.0	0.0	0.3	0.3	٥.
Kurang'a	230	#** * **	45.6	64.3	93.3	126.0	167.
Kabati		Galchanjiru	0.0	0.0	0.9	1.1	1.
Kandara	231.4		1.6	2.0	2.6	3.3	4.
Karwara(Gatanga)	231.5		0.0	0.0	0.8	1.0	1.
Kigumo		Kigumo	0.0	0.0	0.8	0.9	1.
Saba Saba		Kamahuha	0.0	0.0	0.5	0.6	0.
Karagwa '	232.7		2.4	3.2	4.1	5.2	6.
Kangema	233.4	Iyego	1.8	2.3	3.0	3.8	4.
Kahuro(Huriranjas)	234.1	* *	0.0	0.0	1.1	1.3	1.
Hurang'a(*)	234.3		35.0	49.8	69.8	95.5	128.
Hakuyu	235.1	Hakuyu	4.9	6.9	9.7	13.3	17
Nyandarua	240		3.3	4.1	8.4	10.1	12
01 Kalou(*)	241.3	Ol Kalou	3.3	4.1	5.2	6.3	7.
01'Joro Orok		Ol'Joro Orok	0.0	0.0	0.9	1.1	1.
Kipipiri	244.3	Kipipiri	0.0	0.0	0.5	0.6	0.
North Kinangep	245.1		0.0	0.0	0.9	1.0	1.
Njabini	245.3		0.0	0.0	0.9	1.1	1
Kyeri	250	••	86.6	119.0	162.3	214.1	217
Karo Horu		Kambura Inf	0.0	0.0	0.6	0.8	0
Hwelga	252.1		0.0	0.0	0.4	0.5	0
Karatina		Kirimukaya	6.3	8.7	21.7	15.5	20
lhureru	255.4		0.0	0.0	0.3		0.
Othaya	256.1	Karima	4.6	6.3	8.5		14
Nyer1(*)(**)	257.0		75.7	104.0	140.7		240

Remark : (*) means the administrative head-quarters of the District.

Zero figures in 1990 and 1995 mean that towns (rural centres at present) are assumed to be raised to the status of urban centres by 2000. (To be continued)

^(**) means the administrative head-quarters of the Province.

Suuplementary Information for Land Suitability Analysis

Suuplementary Information for Land Suitability Analysis

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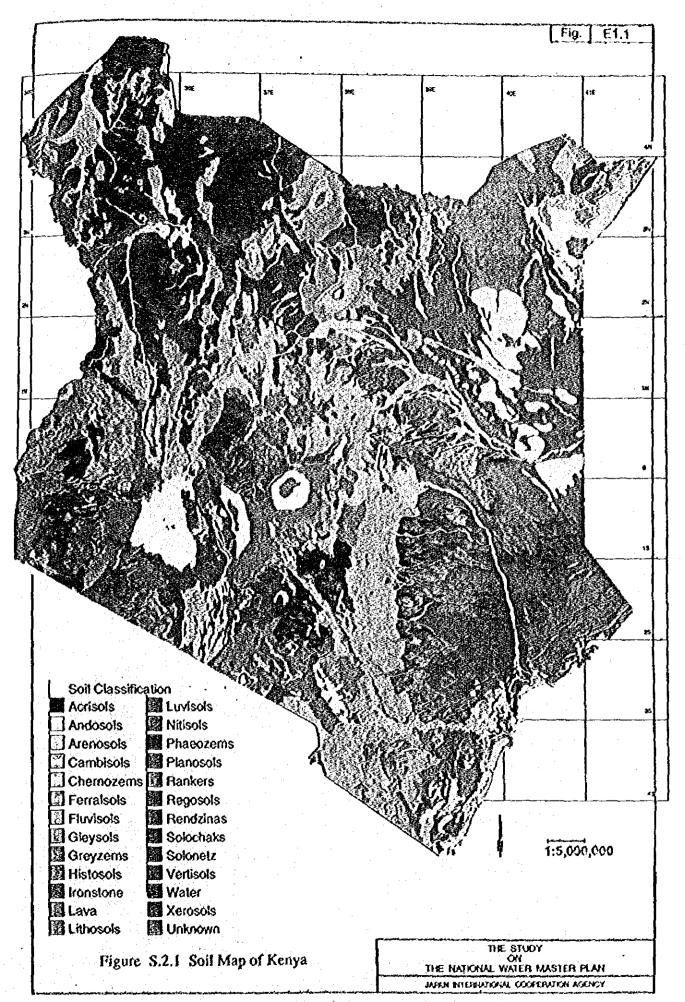


Figure S.2.2 Criteria for Rating Soil Properties

(1) Soil	Fertility	
Suitabil	hy Class	Fentility Class
	i	High
	2	Akviente
	3	Low
	4	Very Low

Suitability Class	
1	Excessively to well drained
2	Moderately well drained
3	Imperiectly drained
4	Poorly drained
Š	Very poorly drained

(sec	Table	below of	Calcal	for soil	entitity)
	1. 7		1		1.57

		ECe (n	nmhə/am)
Suitability Class	Salinity class	0 - 30 cm	nnho/cm) 30 - 100 cm*
1	Non-Saline	0 - 4	0 - 8
2	Slightly Saline	8.4	15.8
3	Moderately Saline	15.8	15 - 30
4	Strongly Saline	> 15	> 30

m)	(4) Sodicity		ŧ	SP
00 cm*	Suitability Class	Sodicity Class	0 - 30 cm*	30 - 100 cm*
- 8	1	Non-Socie	0-6	0 - 15
5.8	2	Slightly Socie	15,6	15 - 30
- 30	3	Moderately Sodie	15 - 30	30 - 50
30	4	Strongly Spoic	> 30	> 50
	sou depu	•		

(5) Effective Sou Depth											
Jess Effective Soil Depth Class	Depth (cm)										
Extremely deep	180 <										
Very deep	120 - 180										
Deep	80 - 120										
Moderately deep	50 - 80										
Shallow	0 - 50										
	Itss Effective Soil Depth Class Extremely deep Yety deep Deep Moderately deep										

(6) Soil	Texture, S	oniness and Rockiness	
Code	\$oil	Texture	Class
III	Heavy	Fine texture	C, SC and SiC
M	Medium	Moderately fine texture	CL SCL and SiCL
	<u> </u>	Medam textured	L, SiL and Si
***************************************		Moderately coarse tentured	SL
L	Light	Course textured	S and LS

5	Shallow	0 - 50	L Light 1	Course textured	Sand	LS
		Table Criteri	a for Soil Ferti	lity		
Soil Unit	Sub-tolt Unit	Fertility C	lus \$5i] Udl	Sub-soll Vall	Fertility	Cfgt
У ОШ.		_	Regosols	ando-calcaric	moderate	2
erutsols	rhódic or órthic	low	3	eutic	moderne	2
	nito-rhodic	low	3	dystric	low -	3
and the second	hymic	low	3	celceric	moderate	2
	scric to rhodic	low	3 Andesols	bumlo	bigh.	1
	acric to modic	low	3	moliic	à lgb	ļ
	nito-humie	So w	3	viaje .	bizh	į
4,	ortale	low	3 Nitosols	eviric	blab	. !
	orthic and Xanthic	low	3	recto-euric	MAL	
*	orthic to rhodic	low	3	mollic	bler	•
.uvisols	(erric	low.	3	ando-humio	blab	į
	gleylo -	moderate	2	dyrtric	eletecom Pletecom	2
	chromic	moderate	2	verto-mollic bumic	Pitp	f
	calcic	moders;9	2 Cambicole	patric	bigh	•
	pito-ferric	iow iow	5 CIMBIGOIS	ಕ್ಕಾರ್ಗಿ ಕ್ರಾಥ್ಕ	bish	i
1000	furrato-chromic/ordic	low	2	olmondo-onia	moserne A	•
2.4	vertic	moderate	2 3	ando-eutric	high	î
100	famio-femo	low	4	chrombe	modernie	Ž
	onbic	low	1	ferratio	ED OGCE A C	2
	ferrelo-chiomic/orthic/ferric	low	1	cakic	mooerate	2
	ferrelo-chiomic	low	2	ando-chromic	moderate	5
lankers		moderate	3 2 1	distic	moderate	2 2 2
unisbas:	cambic	bigh	2	venic	3/4/3/com	5
	orthic	enoderate	2	gleyic	moderate	5
lanceols	eutric	anoderate	£	gleyic	bigh	- 1
1	solodie	low	3 Phaeotems		high	- 1
	verto-eutric	moderate	2	ando-haplic hapic	bigh	
	dystric	lo *	3		bleb	
	bunic	moderate	2 2 2	verto-luvio	možerate m	
reytems.	yerto-orthic	moderate	2	ortho luvic	binh	- 1
	onbic	moderate :	2	chromo-fuvic	bigh	
ileytois	vertic	moderate	2	ando-luvio Iuvio	ELOCCISIS	
	calcarie .	moderate	2	alto-luric	ateracom.	
	burnic	ā (a	1	ando haplic	Pitp	- 1
	molile	bigh	3 Missania	dystric	EXPOSES 6	•
trenosols	čelcero-cemble	low	3 Historois 3 Xerosois	celcic	moserate	- 3
	camble	low	1 7610103	hiplic	moderate	- 3
	luvic	low	ī.	trosic	moderate	- 2
	ferralic	very low very low	4 Acrisois	chromic	low	3
	fenelo-chromic	very low	4	ando-bumic	low	
	luvic terralic	very low	i	ຄົນໝ ົ ເ	low	1
		low	ě	ferralojekromie	low.	1
	celceric celcero-cembio	low	ī	ferralofchromic-orthic	low	
	Canalic-luvic	very low	ž.	ferrelo/ortale	low	
familia d		moderate to high	1 2	gleyic	low	
'enisols	pellic chromic		2	ferrelo-chromic/orthic/ferric	low	
ithosofs	Confine	moderate in this		olinthic	law	
	t antio	modetage	2 2 Fluvisols 2 3	calcaric	moderate	
astenozen	haplic	moderate	5	eutic	bìgh	
bernotems	biolic		T	thionic	modernie	
ioloschaks	enble	, low	3 Luvisole	nito chromic	low	
14 1 S	lakyric	low	1	calcie to chromic	moderate	-
	gleyic	lo w	* ·	gieric to pible	low	
Solocetz	aleric mollic	low		Walte to broce		
* *	me)He	Jon .	1			
	òrible	low	y			
	for value at the	· Low				

Figure S.2.3 Suitability Class Table for Soil Mapping code (1/3)

1. M1	Serial S	oit Mapping Code	Depth	Drainage	Sodicity	Salmity	Fastibly	Texture	Serial S No.	Soil Mapping Code	Desth	Drainage	Sodicky	Stlinity	Fertility	Texture
2. M2 2 1 1 1 1 M-H 39. L4 5 1 1 1 3 4 1 1 3 4 4 1 1 1 3 4 4 4 1 1 1 1					3	. 4		M 8	37	1.2	 •	1		3	1	н
1. M13 2 1 1 1 1 M 39. LA 5 1 1 1 1 1 M 5R 44. M4 4 1 1 1 1 M M 60. L5 5 1 1 1 1 1 1 M 5R 44. L6 5 1 2 2 2 2 2 6 M6 4 1 1 1 1 2 M M R 42. L7 5 1 1 1 2 2 7 M 7 5 1 1 1 1 2 M 5R 44. L9 2 2 1 1 1 2 9 M 5R 44. L9 2 2 1 1 1 2 9 M 5R 44. L9 2 2 1 1 1 2 9 M 5R 44. L9 2 2 1 1 1 2 9 M 5R 44. L9 2 2 1 1 2 9 M 5R 44. L9 2 2 1 1 2 2 1 1 1 1 1 2 M 5R 44. L9 2 2 1 1 2 2 1 1 1 1 1 2 M 5R 44. L9 2 2 1 1 2 2 1 1 1 1 1 2 M 5R 44. L11 2 3 3 1 1 2 2 1 1 1 1 1 2 M 5R 44. L11 2 3 3 1 1 2 2 1 1 1 1 1 2 M 5R 44. L11 2 3 3 1 1 2 2 1 1 1 1 1 1 2 M 5R 44. L11 2 3 3 1 1 2 2 1 1 1 1 1 1 2 M 5R 48. L11 3 3 3 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1			3	1	3	,	1				i		i	ì	i	H
4. M4	2.		- - -		•	•	•				Š	3	i	i	3	HR
5. M5 5 1 1 1 1 2 MHR 42. L7 5 1 1 1 2 2 4 5 4 1 1 2 2 4 5 6 6 M6 4 1 1 1 1 2 MHR 42. L7 5 1 1 1 1 2 MHR 42. L7 5 1 1 1 1 2 MHR 42. L7 5 1 1 1 1 2 MHR 42. L7 5 1 1 1 1 2 MHR 42. L7 5 1 1 1 1 2 MHR 42. L7 5 1 1 1 1 2 MHR 42. L7 5 1 1 1 1 2 MHR 42. L7 5 1 1 1 1 2 MHR 42. L10 2 3 1 1 1 2 MHR 45. L10 2 3 1 1 2 MHR 45. L10 2 3 1 1 2 2 MHR 45. L10 2 3 1 1 2 2 MHR 45. L10 2 3 1 1 2 2 MHR 45. L10 2 3 1 1 2 2 MHR 45. L10 2 3 1 1 2 2 MHR 45. L10 2 3 1 1 2 2 MHR 46. L11 3 3 1 1 1 2 MHR 47. L12 3 3 3 1 1 1 2 2 MHR 48. L13 3 3 1 1 1 1 2 MHR 49. L14 3 3 1 1 1 1 2 MHR 49. L14 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.		- 2	1		•	i				•		i	i	ĭ	M X
6. M6	4.		4								- - -		· .	;	;	M
7. M7 5 1 1 1 2 M SR 41. L8 3 2 1 1 2 9 M SR 43. L8 3 2 1 1 1 2 9 M SR 44. L9 2 2 1 1 1 2 1 1 1 2 1 1 1 2 M SR 44. L9 2 2 1 1 1 2 1 1 1 2 1 1 1 2 M SR 44. L9 2 2 1 1 1 2 1 1 1 2 1 1 1 2 M SR 44. L19 2 3 1 1 2 1 1 1 2 M SR 45. L10 2 3 1 1 2 2 1 1 1 1 1 2 M SR 47. L12 3 3 1 1 1 2 1 1 1 1 2 M SR 47. L12 3 3 3 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	5.		3		:	•					~ ~		1		•	M
8 M8 5 1 1 1 2 M SR 44. L9 2 2 1 1 2 2 9 10 M10 5 1 1 1 1 2 M 45. L10 2 3 1 1 2 2 1 1 1 2 1 1 1 1 2 M 46. L11 2 2 3 1 1 2 2 1 1 1 2 1 1 1 1 1 2 M 5R 47. L12 3 3 1 1 1 2 1 1 1 1 2 M 46. L11 2 3 3 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	6 .		4	1	:		- 1				4	•	i	:	í	n Vi
9. M9 5 3 1 1 2 M 45. L10 2 3 1 1 2 2 10. M10 5 1 1 1 1 2 M 5R 48. L11 3 3 1 1 2 2 11. M11 5 1 1 1 1 2 M 5R 47. L12 3 3 1 1 1 2 11. M11 5 1 1 1 1 1 1 M 5R 50. L15 4 3 1 1 1 2 11. M 5R 51. L16 3 4 1 1 1 2 M 5R 51. L16 3 4 1 1 1 2 M 5R 51. L16 3 4 1 1 1 2 M 5R 51. L16 3 4 1 1 1 2 M 5R 51. L16 3 4 1 1 1 2 M 5R 51. L16 3 4 1 1 1 2 M 5R 51. L16 3 4 1 1 1 2 M 5R 51. L16 3 4 1 1 1 2 M 5R 52. L17 5 4 1 1 1 1 2 M 5R 52. L17 5 4 1 1 1 1 1 1 M 5R 53. L19 3 1 1 1 1 1 1 M 5R 54 1 1 1 1 1 M 5R 54 1 1 1 1 1 M 5R 54. L20 4 1 1 1 1 1 M 5R 54. L20 4 1 1 1 1 1 M 5R 54. L20 4 1 1 1 1 1 M 5R 54. L20 4 1 1 1 1 1 M 5R 54. L20 4 1 1 1 1 M 5R 54. L20 4 1 1 1 1 M 5R 54. L20 4 1 1 1 M 5R 54. L20 4 1 1 M 5R 55. L21 3 3 1 M 5R 51. L19 5 1 M 5R 52. L17 5 1 M 5R 52. L17 5 M 5R 52	7.		3	:	•						- 3	5		- 1		H H
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12 M12 4 1 1 1 2 M 48 L13 3 3 1 1 2 13 H1 5 1 1 1 1 3 H 49 L14 3 3 1 1 2 14 H2 5 1 1 1 1 1 M 5R 50. L15 4 3 1 1 2 15 H3 5 1 1 1 1 2 M 5R 52 L17 5 4 1 1 2 16 H4 5 1 1 1 2 M 5R 52 L17 5 4 1 1 2 17 H5 4 1 1 1 1 M 5R 54 L20 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5	ı	1		2								2	11 3
13. H1 5 1 1 1 1 3 H 49. L14 3 3 1 1 2 14. H2 5 1 1 1 1 1 M 5R 50. L15 4 3 1 1 3 15. H3 5 1 1 1 1 2 M 5R 51. L16 3 4 1 1 2 16. H4 5 1 1 1 1 2 M 5R 52. L17 5 4 1 1 2 17. H5 4 1 1 1 1 M 5R 53. L19 3 1 1 1 1 1 18. H6 3 1 1 1 1 M 5R 53. L19 3 1 1 1 1 1 19. H7 5 2 1 1 1 1 M 5R 54. L20 4 1 1 1 1 19. H7 5 2 1 1 1 1 H 5 55. L21 3 3 1 1 1 20. H8 5 1 1 1 1 H 5 55. L21 3 3 1 1 1 21. H9 5 1 1 3 2 M 5 57. L23 2 1 1 1 1 3 22. H10 5 2 1 1 1 2 M 8 5 57. L23 2 1 1 1 1 3 23. H11 5 1 1 3 2 M 8 5 57. L23 2 1 1 1 1 3 24. H12 4 1 8 1 3 M R 60. L26 4 3 1 3 2 25. H13 5 1 1 1 3 M R 60. L26 4 3 1 3 2 26. H14 5 1 1 1 3 M FR 60. L26 4 3 1 3 2 27. H15 5 1 1 1 3 M FR 60. L26 4 3 1 3 2 28. H16 5 1 1 1 3 M FR 61. L27 3 1 1 1 2 29. H17 5 1 1 1 2 M R SR 61. L29 5 1 1 1 2 29. H17 5 1 1 1 2 M R SR 61. L29 5 1 1 1 2 30. H18 5 1 1 1 2 M R SR 65. L11 3 1 1 2 31. H19 5 1 1 1 2 M R SR 61. L29 5 1 1 1 2 31. H19 5 1 1 1 2 M R SR 61. L29 5 1 1 1 2 31. H19 5 1 1 1 2 M R SR 61. L29 5 1 1 1 2 31. H19 5 1 1 1 2 M R SR 65. L31 3 1 1 2 33. H10 5 1 1 1 2 M R SR 65. L31 3 1 1 1 2 34. H16 5 1 1 1 1 2 M R SR 65. L31 3 1 1 1 2 35. H17 5 1 1 1 2 M R SR 65. L31 3 1 1 1 2 36. H18 5 1 1 1 2 M R SR 65. L31 3 1 1 1 2 37. H19 5 1 1 1 1 2 M R SR 65. L31 3 1 1 1 2 38. H19 5 1 1 1 1 2 M SR 60. L51 4 1 1 1 2 39. H19 5 1 1 1 1 2 M SR 60. L51 4 1 1 1 1 2 31. H19 5 1 1 1 1 2 M SR 60. L51 4 1 1 1 1 2 31. H19 5 1 1 1 1 2 M SR 60. L51 4 1 1 1 1 2 31. H19 5 1 1 1 1 2 M SR 60. L51 4 1 1 1 1 2 31. H19 5 1 1 1 1 2 M SR 60. L51 4 1 1 1 1 2 31. H19 5 1 1 1 1 2 M SR 60. L51 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5	1	1	1	2				3	3		1	2	H
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15. H4 5 1 1 1 2 M SR 52. L17 5 4 1 1 2 17. H5 4 1 1 1 1 M SS. L19 3 1 <td< td=""><td></td><td></td><td>5</td><td>1</td><td>1</td><td>1</td><td>1</td><td></td><td></td><td></td><td></td><td>3</td><td>1</td><td>1</td><td>3</td><td>н</td></td<>			5	1	1	1	1					3	1	1	3	н
17. H5 4 1 1 1 1 M SR 53. L19 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15.	213	5	1	ı	. 1	2				3	4 .	1	ı	2	11
18. H6 3 1 1 1 1 M SR 54. L20 4 1	15.	H4	5	1	1	1	2				5	4	1	. 1	2	H
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22. 1110 5 2 1 1 2 WHS 58. L24 4 1 1 1 2 2 4 1 1 2 2 3 1 1 1 2 2 3 1 1 1 2 2 3 3 1 1 1 2 2 3 3 1 1 1 2 3 3 3 3	20.	HB	5	ı	l,	1	ı	H	56.		3	3	1 1	1	1	M-H
23. H11 5 1 1 1 2 V SR 59. L25 2 3 1 1 2 2 4 H12 4 1 1 1 3 M R 60. L26 4 3 1 3 2 25. H13 5 1 1 1 3 M SR 61. L27 3 1 1 1 3 3 2 2 3 3 1 1 1 2 3 3 3 3 3 3	21.	H9	5	1	1	3	2	M S	57.		2	1	1	- 1	3	ĸ
24. H12	22.	1110	5	2	1	1	2	MKS	58.		4	1	1	1	3	В
25. H13	23.	H11	. 5	1	1	. 1	2	V SR	59.		2	3	ŧ	í	2	М
26. H14 5 1 1 1 3 M·H·SR 62. L28 5 1 1 1 2 21. H15 5 1 1 1 2 M·H·SR 63. L29 5 1 1 1 2 28. H16 5 1 1 1 3 M·R 64. L30 5 1 1 1 2 29. H17 5 1 1 1 2 M·H·SR 65. L31 3 1 1 3 30. H18 5 1 1 1 2 H·S 65. L31 3 1 1 1 2 31. H19 5 1 1 1 2 H·S 67. L52 4 1 1 1 2 32. H20 5 1 1 1 2 H·S 68. LC1 3 1 1 1 2 33. H21 5 1 1 1 2 M·G 69. LC2 1 1 1 1 3 34. H22 5 1 1 1 2 M·SR 70. LC3 2 1 1 4	24.	H15	4	1		3	3	MR	60.	L26	4	• 3	1	, 3	2	Н
27. H15 5 1 1 1 2 MH SR 63. L29 5 1 1 1 2 28. H16 5 1 1 1 2 MH SR 64. L30 5 1 1 1 2 2 29. H17 5 1 1 1 2 MH SR 65. L31 3 1 1 1 3 3 30. H18 5 1 1 1 2 H S 66. L51 4 1 1 1 2 3 31. H19 5 1 1 1 2 H S 67. L52 4 1 1 1 2 2 32. H20 5 1 1 1 2 H S 68. LC1 3 1 1 1 2 3 3 33. H21 5 1 1 1 2 M 69. LC2 1 1 1 1 3 3 34. H22 5 1 1 1 2 M SR 70. LC3 2 1 1 4 4	25.	H13	5	- 1	1	1	3	M SR	61.	1.27	. 3	1	1	1	3	н
28. H16 5 1 1 1 3 M R 64. L30 5 1 1 1 2 29. H17 5 1 1 1 2 M-H SR 65. L31 3 1 1 1 3 30. H18 5 1 1 1 2 H S 65. L51 4 1 1 1 2 31. H19 5 1 1 1 2 H S 67. LS2 4 1 1 1 2 32. H20 5 1 1 1 2 H 68. LC1 3 1 1 1 2 33. H21 5 1 1 1 2 M 69. LC2 1 1 1 1 3 34. H22 5 1 1 1 2 M SR 70. LC3 2 1 1 4	26.	H14	· 5	ì	1	1	3	M-H SR	62.	L28	5	1	1	1	2	H
28. H16 5 1 1 1 3 M R 64. L30 5 1 1 1 2 29. H17 5 1 1 1 2 M-H SR 65. L31 3 1 1 1 3 30. H18 5 1 1 1 2 H S 65. L51 4 1 1 1 2 31. H19 5 1 1 1 2 H S 67. LS2 4 1 1 1 2 32. H20 5 1 1 1 2 H S 68. LC1 3 1 1 1 2 33. H21 5 1 1 1 2 H 68. LC1 3 1 1 1 3 34. H22 5 1 1 1 2 M 69. LC2 1 1 1 1 3 34. H22 5 1 1 1 2 M SR 70. LC3 2 1 1 4			5	1	1	1	2	MHSR	63.	L29	5	1	1	1	2	M
29. 1117		H16	5	1	1	1	3	MR	64.	L30	5	1	1	1	2	M
30. H18 5 1 1 1 2 H S 66. L51 4 1 1 1 2 H S 11. H19 5 1 1 1 2 H S 67. L52 4 1 1 1 2 H S 67. L52 5 1 1 1 2 H S 68. LC1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			S	1	1	1	2				. 3	1	1	1	3	H
31. H(9 5 1 1 1 2 H S 67. LS2 4 1 1 1 2 2 32. H(20 5 1 1 1 2 H S 68. LC1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			5	1	ī	1	_				4	i	1	• 1	Ž	M-H S
32. 1120 5 1 1 1 2 18 68. LC1 3 1 1 1 1 1 3 1 33. H21 5 1 1 1 2 M 69. LC2 1 1 1 1 3 3 34. H22 5 1 1 1 2 M 5R 70. LC3 2 1 1 1 4			5	ī	ī	ī	2				4	ī	ī	i	2	M·II
33. H21 5 1 1 2 M 69. LC2 1 1 1 3 3 34. H22 5 1 1 1 2 M 5R 70. LC3 2 1 1 1 4			š	ī	ī		2				3	i	1	ī	ī	М
34, H22 5 1 1 1 2 M SR 70. LC3 2 1 1 1 4			3		i	i i					í	i	i	ī	i	M-H
			3	i	i	i					,	ī		ĩ	á	I-M
			4	ì	ì	i					ī	i	ì	ì	- 1	H
36. L1 2 1 1 1 3 H 72. Lul 3 1 1 1			· -	:	•	•					,	•	•		1	M-H

Script S No.	Soil Mapping Code	Depth	Drainage	Solicity	Salinity	Fertility	Texture	Scrial No.	Soil Mapping Code	Depth	Drainage	Sodicity	Salinity	Tertiky	Texture
73.	Lu2	3	1	ı	1	1	M	109.	Yi	\$	1	1	1	1	M-10
74.	R2	1	1	1	1	1	ĸ	210.	Υ2	3	1	3	. 1	3	H
75	R3	i	ŧ	1	1	3	16	111.	Y3	3	1	1	ı	1.	- M
76.	R4	2	1	1	i	2	H	112	Y4	ě.	t	2	2	2 .	M
77.	R5	3	1	1	1	3	H	113.	Y5	. 2	2	4	. 4	3	M-H
78.	R6	3 -	1	i	1	1	H	114.	Y6	3	2	j	1	3 .	M-H
79.	R7	3	1	1	1	1	H	115.	Y7	2	ı	1	1	3	M·B
80.	R#	5	. 1	1	1	2	M-11	116.	YE	2	1	1	i	4	М
BI.	R9	5	1	ι	1	1	HH	117.	¥9	3	1	3	1	2	М
82.	R10	5	. 1	1	1	ī	31	118.	Y10	2	2	2.	1	3	LM
83.	R11	2	1	1	i	i	H	119.	YH	2	3	1	i	2	H
64.	R12	4	. 1	1	1	1	М	120.	Y12	2	4	3	1	3	н
85.	R13	5	ī	Í	1	ň	М	121.	Y13	2	4	3	1	2	M-H
85.	R14	S	i	3	3	2	K SR	122.	Uul	3	i	i	ī	ī	15
87.	FI	2	ž	i	ī	ī	H ·	123.	Uv2	3	. 1		i	2	M
88.	F2	3	1	ī	i	3	H	124.	Uu3	5	i	1	. i	ī	M
89.	F3	3	ì	ī	1	2	H	125,	Ubl	ĭ	ī	i	- 1	5	Н
90.	F4	2	2	ì	· 1	ī	H	126.	Ub2	ī	ī	ī	ì	1	H
91.	ES	4	i	3	3	2	M	127.	Ub3	i i	ī	1	ı	ï	H
92.	16	3	3	1	1	1	M .	128.	Ub4	5	1	ī	1	2	н
93.	F7	3	ì	1	. 1	2	11	129.	Uh3+Uh4	S	1	i	1	2	н
94.	F8	4	3	4	3	2	M	130.	บหร	ì	i	ī	1	í	н
95.	P	3	3	i	- i	3	M-H	131.	Ubo	ž	i	i	i	á	М-Н
96.	FlO	2	ı	3	i	3	В	132.	ሁኔ7	2	i	i	1	3	M-H
91.	F11	2	1	3	1	2	H	133.	UL3	2	ī	Ĭ.	ì	3	M-H
93.	F12	2	1	i	1	3	L-M	134.	Uh9	3	1	1 .	i	2	М
99.	F13	2	ì	ī	i i	4	L M	135.	UNIO	ī	ī	š	i	1.	H
100	F14	. 2	i	ī	ī	3	L-M	136.	Ubil	1	1	i	i	1	Н
101	F15	3	Ĭ	ī	i	3	M-H	137.	Ub12	4	Ī	ī	Ī	3	M-H
102	FI6	3	i	i	i	4	Y	138.	Ub13	i	ī	•	i i	3	M
103.	F17	í	i	i	ī	À	м-н	139.	Uni4	í	i	i	. 1	•	и
104.	F18	4	•	i	i	1	M-H	140.	Ŭa15	2	i	i		á	M-II
105.	F19	•	i	i	i	á	L	141.	Uhi6	• •	i	i	i	í	MH
106.	FYI		į	į	i		м-н	142.	Uh17	5	i	į		;	MH
107.	FY2	3	i	•	•	,	M	[4].	Uhi8	5	i	•	i	1	M-H
108.	FY3	3	:	•	•	,	M	144.	Uh19	4	•		•	•	M

Source: Ref.B.36 S.2-3

Figure S.2.3 Suitability Class Table for Soil Mapping code (2/3)

	Code	Deeth	Drainage	Society	Salinity	Fertility	Texture	Serial 5 No.	oil Mapping Code	Deca	Drausge	Sodicity	Salinity	Tertity	Texture
No.	Coo				·										
	Uml	. 1	í	1	1	3	. н	181.	Uis	4	2	1	1	1	H
145.	Um2	2	1	1	ì	3	н.	182.	Up	Ś	2	Ī	1	3	11 \$
146	Uml	3	1	1	1	1	ĸ	183.	C110	4	1	i	1	2	мн
147.	Uz.4	3	ì	1	1	1 1	MH	184	Uili	5	2	ì	1	3 -	M-H
146.	Und	ī	i	3	i	i i	Н	185	U112	5	2	ì	1	3	м
149.	Um5	,	1	i	1	3	Н	186.	U113	1	i	ì	1	3	М
150.	Um7	\$	ì	i	ì	. 3	M-H	187	UI14	4	i	1	ı	2	мн
151 -	Um3	3	ì	ì	1	1	H	188.	Unis	2	1	1	1	3	M-H
152 153.	Um9	4	i	i	ï	3	M-H	189.	U116	4	1	i	1	. 3	M-H
154.	Um 10	3	ı	1	1	3	M-H	190.	UH7	2	1	1	1 1	3 1	31
155.	Umil	3	1)	1	3	H	191.	U)18	4	1	1	1	3 '	MH
156.	Um 12	3	3	i	1	3	MR	192	Unig	5	3	1	· 1	3	M-IL SR
157.	Va 13	2	1	1	1	3	Н	193.	U120	4	1	1	3	3	Н
158.	Uca 14	4	1	1	. 1	3	H R	194.	U121	4	2	1	1 .	1	H .
159.	Ua 15	•	1	1	1	3	13	195.	Usl	5	1	1	1	2	16
160.	Um 16	1	i	i	i	3	H	196.	U12	3	3	1	1	2	M·H
161.	Um 17	- Ā	í	ì	i	ž	мн	197.	Ux3	3	i	i	1	. 3	В
162	Umil	1	i	ĩ	ī	3	М	198.	U14	2	ì	1	1	. 1	М
	Um 19	À	i	1	i	3	M-H	199.	UiS	2	1	1	1	1	11
163.	Um 20	- 1	í	i.	•	. 3	MЖ	200.	U.6	'- <u>\$</u>	ī	i	1	2	H
164.	Um 21	7	;	i	. ;	•	MH	201.	U.7	5	ī	3	4	2	MH
165.	Um22	- 3	•		•	3	M	202	U18	Š	ž	1	1	2	M-H
156.	Um23	ζ.	- 1		i	í	M	203.	U19	5	3	1	1	1	M-H
157.	Um24		•		i	3	M R	204	U+10	5	1	4	ŧ	2	М
168	Vm25	<			•	1	M·H	205.	Ucl	1	i	1	ı	1	Н
169.	Um25	- 1	•	i		i	Mil	206.	Uc2	Š	3	4	1 .	2	Н
170. 171.	Um 27	- 7	;	i	•	_ ;	L-M SR	201.	Uc3	- 3	ī	i	1	4	L
172.	Um 28	4	•	i	i	3	H	208.	Uc4	3	ĭ	3	1		LM
173.	Um 29	Ã	i	ī	i	. 3	M	209.	UcS	5	1	1	1	3	MH
174.	UII	- 7	í	1	i	i	H	210.	Uc6	3	3	1	1	3	M
175.	U12	- 1	ī	1.00	ī	ž	11	211.	Uc7	3	. 3	2	1 .	2	M-H
176.	UIS	\$	i	í	i	ī	н	212	Ukš	2	2 -	3	i	3	M
177.	Ut4	4	ī	ī	ī	2	11	213.	Uc9	2	3	1	1	4	LM
178.	UIS	•	ī	ī	ī	1	M-H	214.	Ució	4	4	4	3	3	мн
179.	U16	Š	i	i	i	- 3	MH	215.	Ucli	4	2	3	1	2	M
180.	U17	- 2	•		ī	3	Н	216.	Upl	4	3	7	1	2	M
100.	UIT									 -			· · · · ·		

Serial No.	Soil Mapping Code	Deeth	Dreinage	Sodicity	Salinity	Fertility	Texture	Senal No.	Soil Mapping Code	Depth	Drainage	Sodicay	Selicity	Ferilay	Teature
217.	Up2	3		3	1	2	н	253.	Pa 30	. 5	ı	1	1	1	м-н
218.	Upa	Á	Ā	i	i	2	M-H	254.	Pa31	2	· 1	1	1	3	м-н
219.	Upi	- 3	3	Ä	1	2	H	255.	Pc12	3	1	1	1 .	2	мн
220.	UpS	ž	3	` i	i.	2	м-н	256.	Po33	3	3	1	1	3	MH
221.	Ups	3	3	3	1	1	Ħ	257.	Pn34	3	1	1	1	4	LM
272.	Up7	- 1	3	1	1	2	Mil	258.	Pn35	5	1	1	1	3	M
223.	Ur8	3	3	1	ı	2	M-}I	259.	P61	5	3	1	1	1	MR
224.	Pol	Ž		1	1	3	н	260.	Pd2	5	2	ı	I	•	H
225.	Pu2	5	1	1	1	2	M-11 S	261.	Pd3	Ş	1	1	1	4	M-H
226.	Pa3	3	3	4	1	2	11	262	Pd4	5	1	3	1	2	М
227,	Pa4	1	3	3	3	2	H	263.	P45	3	1	1	2	2	М
228.	FnS	1	3	i	i	2	M-H	264.	P36	5)	3	1	3	М
229.	Po5	3	3	1	i	2	M·H	265.	Pri	2	1		1	4	L-M
230.	Pa7	4	3	2	1	2	н	266.	P. 2	3	1	1	1	4	M
231.	Po8	3	1	1	i	3	M	267.	Pr3	3	1	i	1	4	М
232.	P=9	ž	ī	i	1	2	M	265.	Px3+Px15	4	3	3	J	4	М
233.	PaiO	1	3	1	ī	2	H	269.	Pt4	3	1	1	i	3	LM
234.	Poll	1	1	ī	i	2	H	270.	Pr S	2	3	3	3	3	М
235.	Po12	•	í	i	i	3	M-H	271.	P16	2	1	1	1	3	м
236.	fall		:	;	;	3	M-H	272.	Ps7	2	1	1	1	2	M
		7	1	;		3	м	273.	PrB	- 3	1	1	1	3	M-H
237. 238.	Fn14	•	3	,	•	2	н	274.	Ps9	2	1	3	3	2	M
239.	Po15 Po16	•	7	,	•	5	M-H	275.	F:10	2	3	4	2	3	M-11
249.	Pa 17	•		•	i	2	н	276.	Pell	3	4	4	2	3	м-н
241.	Pa18	,	3	•	•	í	Ĥ	277.	Pr12	3	. 4	1	3	3	H
242.	Pal9	7	•	á .	2	3	м	278.	P#11+D1	3	4	4	2	3	ми
243.	Pn20	3	á	1	5	ź	н	279.	Ps14	3	3	1	1	2	M-H
244.	Pn21	5	1	- 1	2	ĩ	H	280.	Fr15	- 4	3	3	1	3	М
245.	Pr.22	~	1	í	ī	3	16	281.	P+16	3	4	- 3	3	3	31
246.	m23	. 1	í	1	i	2	H	282	Ps17	3	4	2	1	2	н
		,	7	í	;	2	M-H	283.	P:18	3	4 -	3	1	2	14
247.	Pr/24	3	•	•	:	5	13	284.	Pr19	3	4	3	3	3	M·H
248.	Pu25	•		- 1	1	2	м	285.	Fs20	3	3	2	1	3	M
249.	Pn26)	3		- 1	· •	м	286.	Ps21	2	3	4	2	3	М
250.	2021	,	3		1	4) i	287.	\$122	ž	3	ż	2	ž	M·H
251.	Pn28	2	3	3	?	4	M-H	288.	F123	1	i	3	1	3	M
252.	Fr:29	4	3	3			P3 · F3								

Source: Ref E 36 S.2-4

Figure S.2.3 Suitability Class Table for Soil Mapping code (3/3)

289. Pt24	Terbue	fenday	Salinity	Society	Draintge	Delap	oil Mupping Code	Serial S No.	Texture	Fertility	Salinity	Society	Drainage	Decth	Soil Mapping Code	Senal No.
290. Pr25	н	3	4 -	4	4	2	F18	325.	H .	3	4	4	4	7	P-24	250
291. Pr26	H	3	2	4	5	2	P19	326.		2	3	3	i			
292 Ps27 2 1 2 2 3 H 328 PH2 4 3 1 1 2 293 Pr28 2 1 3 1 2 M 336 PH3 2 4 2 1 2 2 M 331 N 300 PH3 2 4 2 1 2 2 M 331 N 300 PH3 3 1 2 1 1 1 1 2 1 1 1 1 2 2 1 1 1 1 2 2 1 1 1 1 <t< td=""><td>Υ</td><td>3</td><td>4</td><td>4</td><td>3</td><td>5</td><td>P110</td><td>327.</td><td></td><td>3</td><td>i</td><td>1</td><td>ì</td><td>2</td><td></td><td></td></t<>	Υ	3	4	4	3	5	P110	327.		3	i	1	ì	2		
293. Pk28 2 1 3 1 2 M 329. PH3 2 4 2 1 2 294. Pk281D1 2 1 3 M 300. PH1 5 4 2 1 2 2 M 331. D1 3 1 1 2 2 M 331. D1 3 1	MH	2	1	L	3	4	P112	328.	H	3	2	2	i	5		
294. Pr281D1 2 1 3 1 3 M 330. Pi14 5 4 2 1 2 2 2 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1	· 13	2	1	2	4	2	P113	329.	М	2	1	3	ĭ	2		
295. Pi29	: H	2	1 .	2	4	5	PH .	330.	М	3	1	3	ī	2		
296. Pv1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	M	2	1	1 .	1	3	M -	331.	М	2	2	ì	3	2		
297. Pv2 2 1 1 1 1 2 M 333. Pt3 2 1 1 1 1 2 2 M 324. Pt4 2 3 4 3 3 3 3 3 3 3 3 3 M M 340. At 2 2 2 3 4 4 3 3 3 3 3 3 3 3 3 3 3 M M 340. At 2 2 4 4 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	MH	1	1	1	2	3	P12	332.	H	1	1	1	i	ĩ		
298. Pv3 3 1 3 1 2 M 334. Pt4 2 3 4 1 1 2 3 3 3 3 3 3 3 1 1 2 M 335. Pt0 2 1 1 1 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	M	4	1.	1	1	2	Pi3	333.	H	2	i.	ı	1	2		
299. Pv4 3 3 3 3 3 3 H 335. Pf1 2 1 1 1 2 2 300. Pv5 3 4 3 3 2 H 336. Pf2 2 1 3 3 3 3 3 3 3 3 1 L 1 1 1 1 3 L M 337. Pf3 2 2 4 4 4 3 302. Pv7 2 1 2 1 1 1 M 338. pf4 2 2 4 4 4 3 303. Pv8 3 1 1 1 1 M 340. A1 2 3 4 4 2 2 3 3 4 4 2 2 3 3 3 1 L M 341. A2 2 2 2 3 3 1 1 3 L M 341. A2 2 2 2 3 3 1 1 3 L M 341. A2 2 2 2 3 3 3 1 1 2 L M 341. A2 2 2 2 3 3 3 1 1 2 L M 341. A2 2 2 2 3 3 3 1 1 3 1 L 1 1 1 L 1 L 1 L 1 L 1 L	H	3	3	4.	3	2	P14	334.	M	2	1	3	1	3		
300. Pv5	МН	2	. 1	1	1	2	PO	335.	н	3	3	3	3	1		
301. Pt6 2 1 1 1 1 3 L-M 337. Pt3 2 2 4 4 3 3 302. Pt7 2 1 2 1 1 M 338. pt6 2 2 2 4 4 3 3 303. Pt8 3 1 1 1 1 M 339. Pt5 2 3 4 4 2 3 305. Pt0 2 3 2 2 1 1 M 340. A1 2 2 3 4 4 2 3 305. Pt0 2 3 2 2 1 2 M-H 342. A3 2 1 3 2 2 3 3 1 3 2 3 3 1 3 3 3 3 1 1 1 1	M-R	3	3	3	1	2				2	3	3	4	· 1		
302. PV7 2 1 2 1 1 1 M 338. pl4 2 2 4 4 3 3 303. PV8 3 1 1 1 1 M 339. Pl5 2 3 4 4 2 3 304. PV9 4 1 2 1 1 M 340. Al 2 3 4 4 2 3 305. PV10 2 3 2 2 2 3 M 341. A2 2 2 2 3 3 3 1 3 3 3 3 1 3 3 3 3 3 3 3	Н	3 -	4	4	2	2			Ĺ-M	3	ī	i	ì	ž		
303. Fv8 3 1 1 1 1 1 M 339. Ft5 2 3 4 4 2 2 304. Pv9 4 1 2 1 1 M 340. At 2 2 3 4 4 2 305. Pv10 2 3 2 2 2 3 M 341. A2 2 2 2 3 3 1 3 2 2 3 3 3 1 3 2 2 3 3 3 2 3 3 3 3	M-H	3	4	4	Ž	2				ĭ	ĩ	2	ī	2		
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363.	B5	3	4	ı	1	2	H
354.	B6	3	4	2	1	2	H
365.	B7	2	3	3	3	2	H
366.	BB	2	4	4	1 .	3	H
367.	B9	2	4	3	3	2	H
358.	B10	2	4	3	3 -	3	M-11
369.	B11	2	4	1	1	3	H
370.	B12	3	4	1	4	3	M.
371.	B13	1	4	i	1	ı	M·H
372.	B14	2	4	3	3	3	H
373.	B15	2	4	3	1	2	H
374.	B16	2	4	1	1	1 .	H
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389.	22	2	2	3	1	3	M
390.	23	2	3	3	3	3	M

Source : Ref E.36

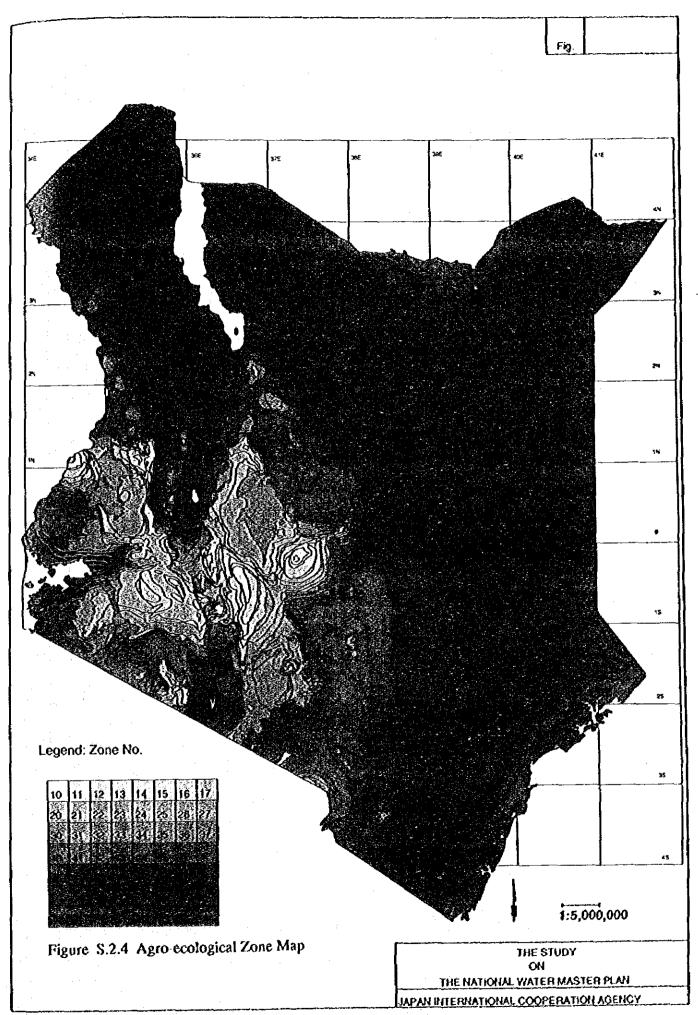


Fig.

E1.3

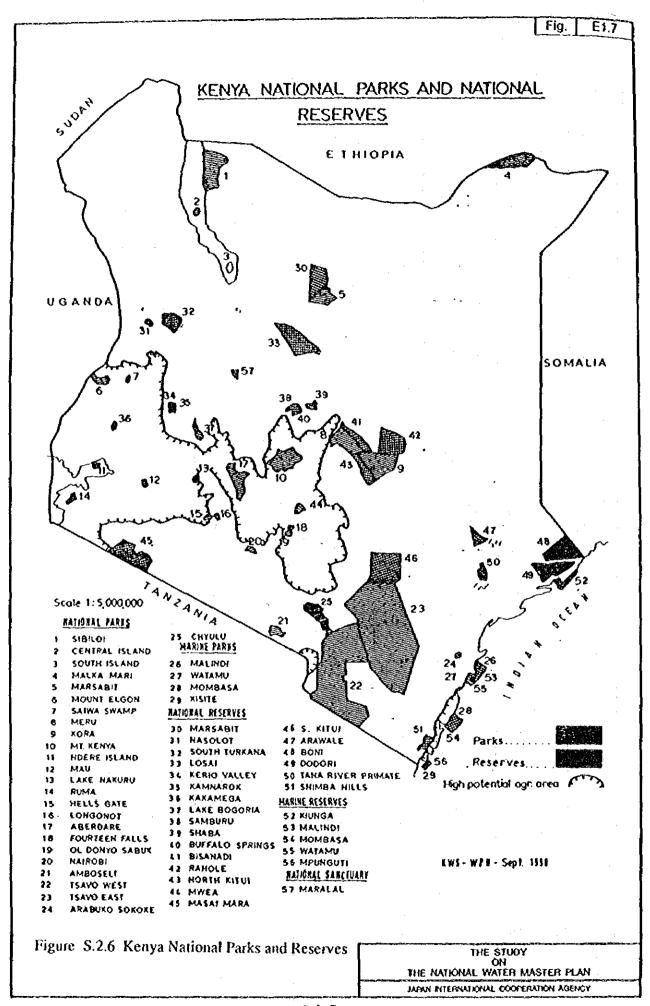
				Main Zone					
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TA	Glacier			T Sheen Zane			; /		-
Alpine Zones Ann, mean	Mountain Swamps	The Chart of the		Andrea describer and			28	त्म्यून यावात्मवन्त्र वेटड्टाउ	
UH Upper High- land Zones Ann. mean 10-15C Seasonal night frosts		Sheep Dairy Zone	Pyrethrun- Wheat Zone	Wheat- Barley Zone	U Highland Ranching Zone	U. H. Nomadism Zone	sm Zone"		
LH Lower High-land Zone Ann. mean 15-18 C M. min. 8-11C Norm, no frost	Zones	Tea- Dairy Zone	Wheat/ Maize- Pyrethrum Zone	WheatMaizc- Barley Zone	Caltle- Sheep- Barley zone	L. Highland Ranching Zone	L. H. Nomadism Zone	sm Zone*	L
UM Upper Mid- land Zones Ann. mean 18-21 C M. min. 11-14 C	1	Coffee- Tea Zone	Main Coffee Zone	Marginal Coffee Zone	Sunflower- Maize Zone	Livestock- Sorghun Zone	U. Midland Ranching Zone	U. Midland Nom. Zone	**************************************
LM Lower Mid- land Zones Ann. mean 21-34 C M. min, > 14 C.	i i	L. Midl. Sugar- cane Zone	Marginal Sugarcanc Zone	L. Midland Cotton Zone	Marginal Cotton Zone	L. Midland Livestock- Millet Zone	L. Midland Ranching Zone	L. Midland Nom. Zone	
L. Lowland Zones IL. Inner Lowland Z. Ann. mean > 24 C Mean max. >31 C	•	Rice- Taro Zone"	Lowland Sugarcane Zone*	Lowland Couon Zone"	Groundnut Zone"	Lowland Livestock Millet Zone	Lowland Ranching Zone	U. Midland Nom. Zone	
CL Coastal Lowl, Z. Ann. mean > 24 C. Mean max. < 31 C.	1 1 1 1 1 1 1 1 1 5	Cocoa- Oilpalm Zone*	Lowland Sugarcane Zone	Coconut- Cassava Zone	Cass. Zone	Lowland Livestock Millet Zone	Lowland Ranching Zone	L. Midland Nom. Zone	

Note: * Not in Kenya

Source: Ref. E.17

Figure S.2.5 Agro-ecological Zones for Keniya

THE STUDY
ON
THE NATIONAL WATER MASTER PLAN



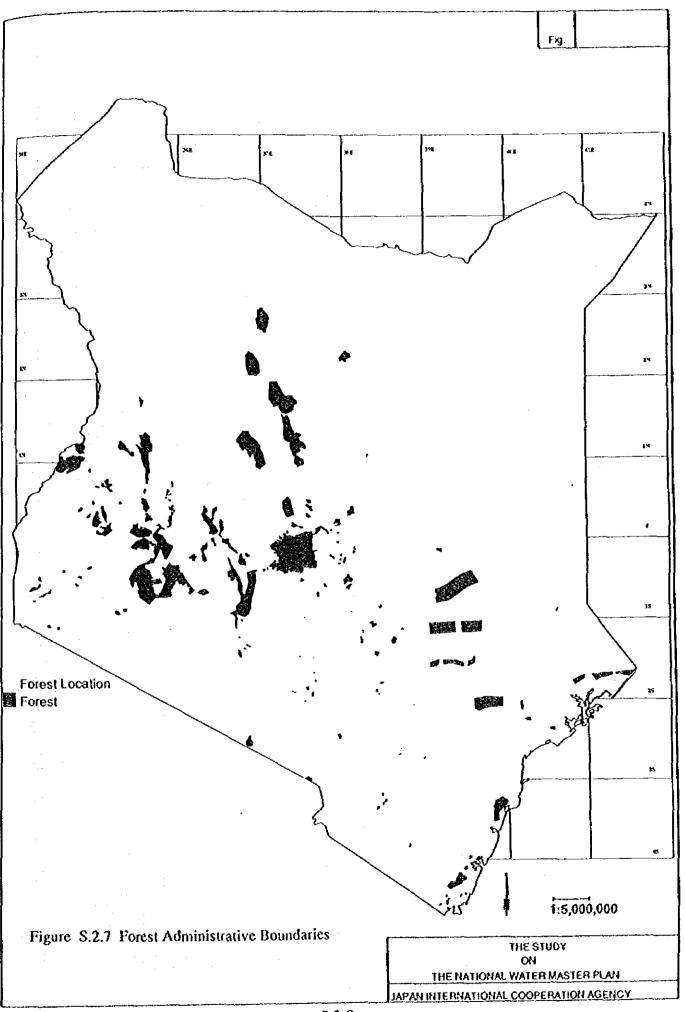


Figure S.2.8 Land Suitability Class for Major Crops

Carabill	Smirshillie Agree-colonical	Texture (Sail	Similar	Ş	V Davingo	Salmin Sodicin Drainage Effective	Surahilin	Switchillity Acro-ecological	Toront S.		California Co	100		
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Maize							Tes							
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ß	IMA, CLA	H 3	-	ო	4	4	S3	LM1	Ħ	т	H	, p-4	~	ιm
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Wheat							Cotton							
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ß	UHZ, LHZ	H	64	4	74	ń	S	LM3	M, H	m	71	4	- -4	ຕ
ß	LH4	H	c1	4	ന	4	SS	LM4, CL4, LM2	ᅯ	'n	e	Y	7	4
SZ.		4 H	e	4	4	ሃነ	SN		7	4	4	vs	n	v
Rice (Raunfed)	(pojujed)						Sugarcane							
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ß	973	×	F 4	m	٧٦	4	23	77	LX	13	e-d	7	m	СĄ
ß	LM1-3	7	7	4	٧٦	4	S	LM2	Ħ	m	ä	ເ	ო	, tu
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Sorthm / Millet	/Milet						Pyrethm							
ಸ	UM4, I.M4, II.3	r X	r-4	61	61	72	S	UHZ	×	61	g-d	~	ч	73
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S	UMI-3, LMI-3, LMS, ILS.	H.L. 3	74	m	m	4	S3	UHI, UKB, LEB	L K	ú	кı	'n	ന	ពា
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Z		H.L. 4	en	4	*4*	٧n	Sisal							
Potatoes							SI	UMA, LMA, CLA	×	7	⊶	71	H	ત
જ	THI	L M		-	-	en	ß	CL3	•	63	ä	m	63	
Ø	UHI, LHZ	1 × 2	~	~	, 1	4	SS	CLS. ILS. UNB.S. LMB.S	LH	m	4	m	ተን	tr)
ĸ	UHZ,3, LHB	H	p=4		7	4	SX		r L	4	ජා	4	*	4
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ß	UMI 3.4. LMI 3	7	- 4	64		4	S	LH3, UM3,4, CL2.3,4, UH3.	T H	m	r	'n	ч	❖
ន	LH1-3, LM4	#4 **	p-4	ጠ	13	4		LM3,4						
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											-			

Note: 51: Highly swinble for crops. 52: Moderately swinble for crops, 53: Marginally switable for crops NS: Not swinble for crops Source: Farm Management Handbook of Kenya (MOA, 1982), Fertilizer Rocommendation Project (MOA, 1988)

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Figure S.2.9 Suitable Area for Major Crops by District (2/3)

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Figure S.2.9 Suitable Area for Major Crops by District (3/3)

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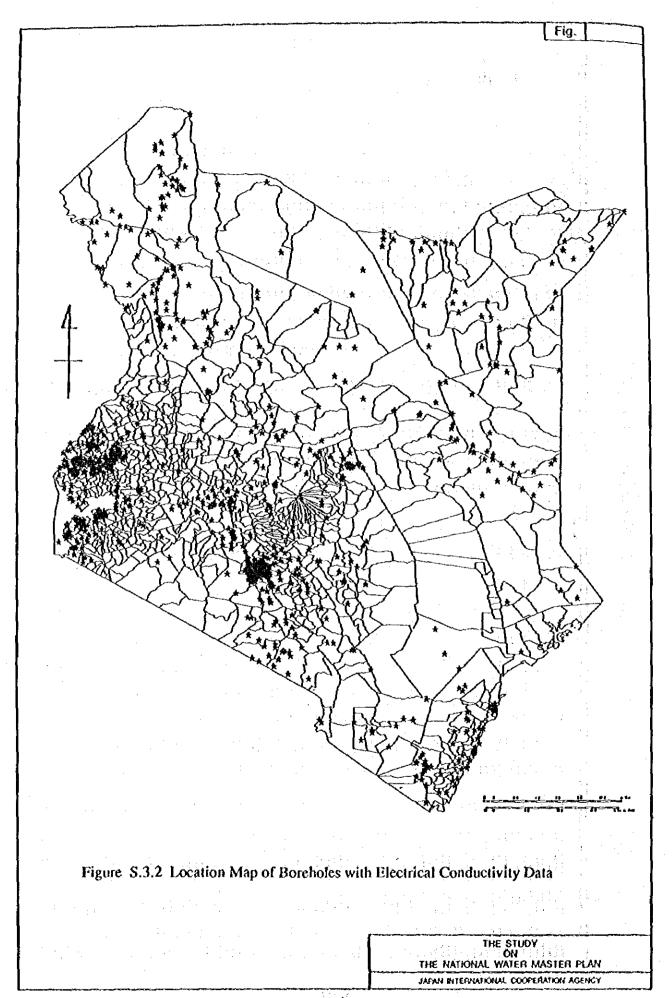
Supplmentary Information for Analysing Irrigation Potential with Groundwater

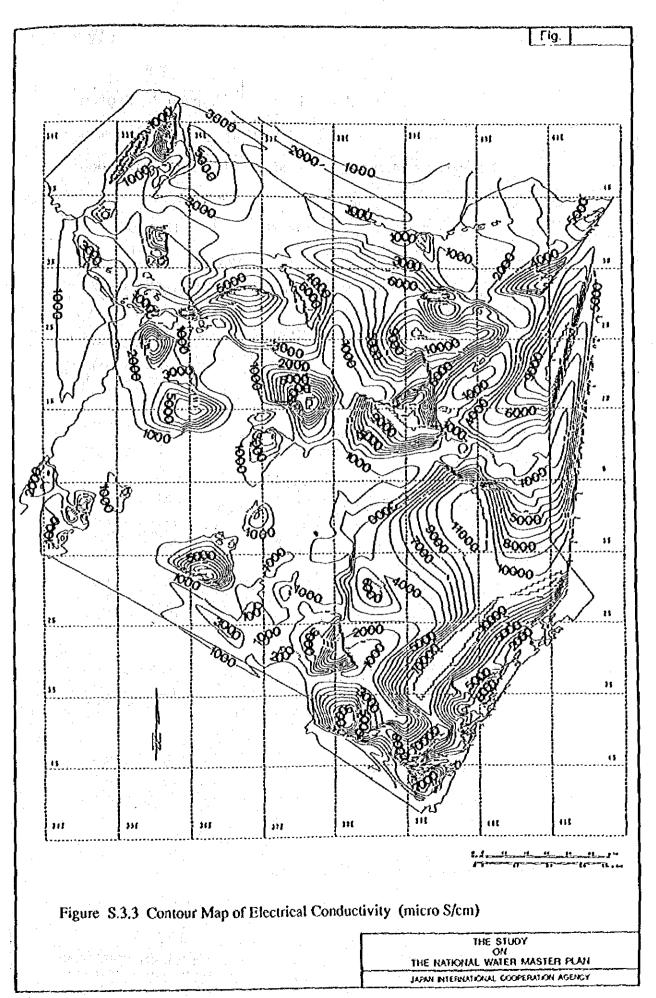
Supplmentary Information for Analysing Irrigation Potential with Groundwater

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7.	Suitable Land for Irrigation with Groundwater (Lowland)	S.3-8
8.	Suitable Land for Irrigation with Groundwater (Upland)	S.3-9
9.	Irrigation Potential by Groundwater for Lowland Crops	S.3-10
10.	Irrigation Potential by Groundwater for Upland Crops	S.3-11

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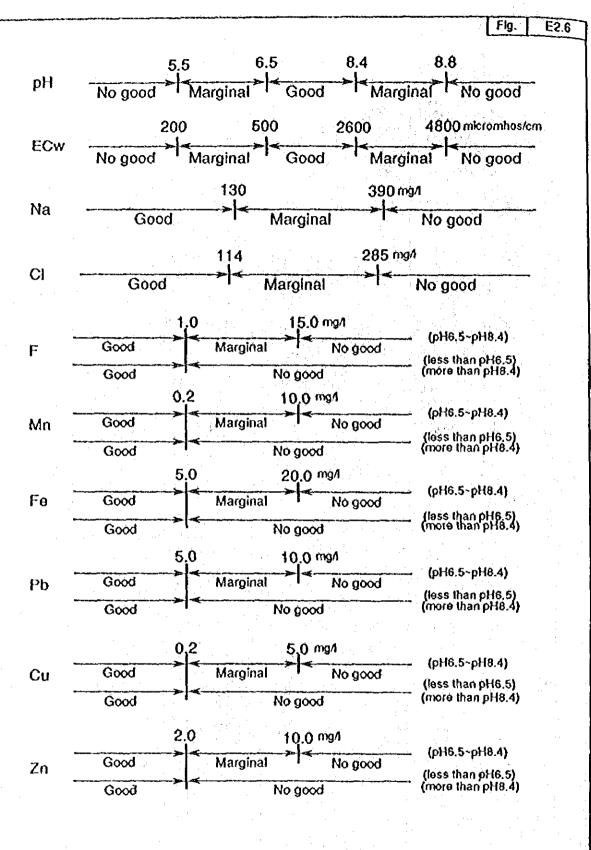
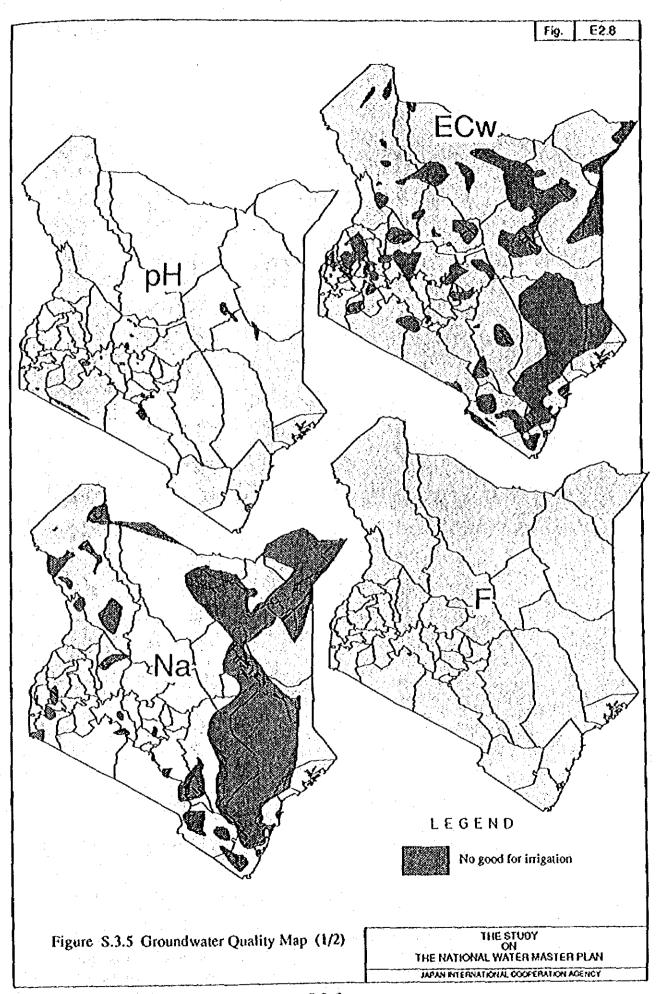
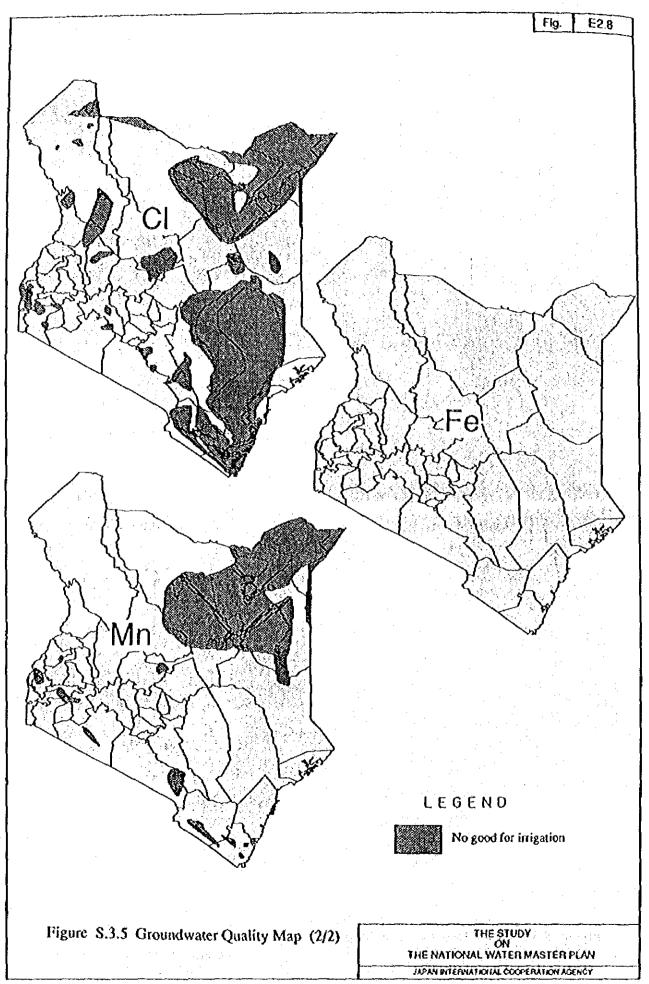


Figure S.3.4 Water Quality Evaluation Criteria for Irrigation

Source : Ref. E.46

THE STUDY
ON
THE NATIONAL WAYER MASTER PLAN
JAPAN INTERNATIONAL COOPERATION AGENCY





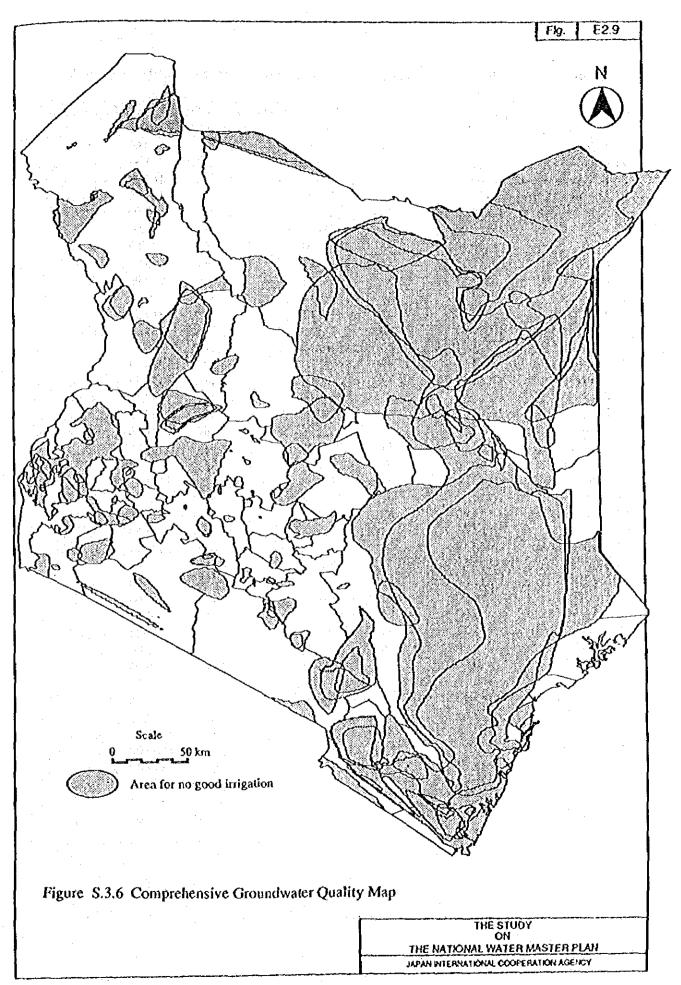


Table S.3.7 Suitable Land for Irrigation with Groundwater (Lowland)

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District	Crop Suitability	District	Groundwater Suitabili	District	imgation with	i Groundwater	
	Suitable	<u> </u>	Suitable		Irrigable		
11 Nairobi	0.00	11	698.60	11	0.00		
21 Kiambu	1.34	21		21	1.34		
22 Kirinyaga	200.94	22	986.81	22	163.48	:	
23 Muranga	134.86	23	2265,46	23	134.86		
24 Nyandarua	0.00	24	3019.89	24	0.00	•	
25 Nyeri	0.00	25	2831.51	25	0.00		
31 Kilifi	6470.10	31	593.61	31	118.83	* .	
32 Kwale	3841.37	32	1252.07	32	873.95		
33 Lamu	3997.57	33	4587.28	33	2923.93		
34 Monbasa	0.00	34	0.00	34	0.00		
35 Taita Taveta	3539.26	35	4101.57	35	714.56	•	
36 Tana River	10600.00	36	913.14	36	454.31		
41 Embu	733.01	41	2161.62	41	and the second of the second o		
42 Isiolo	9044.57	42	6412.55	42			
43 Kitui	13600.00	43	10800.00	43			
44 Machakos	4459.90	44	10100.00	44			
45 Marsabit	24900.00	45	32700.00	45	The second secon		
46 Meru	1377.55	46	6525.90	46			
51 Garissa	16700.00	51	9666.32	51	the state of the s	-	
52 Mandera	12400.00	52	0.00	52			
53 Wajir	29600.00	53	6204.60	53	and the second second		
61 Kisii	0.47	61	1026.98	61			
62 Kisumu	981.60	62	1144.83	62			
63 Siaya	1563.56	63	911.83	63			
64 South Nyanza	2668.19	64	4428.76	64			
71 Kajiado	4957.66	71	17700.00	71			
72 Kericho	17.84	72	4201.34	72		· · · · · · · · · · · · · · · · · · ·	
73 Laikipia	0.00	73	7551.16	73		. *	
74 Nakuru	0.00	74	6015.25	74			
75 Narok	48.21.	75	15100.00	75			
76 Trans Nzoia	0.00	76		76			
77 Uasin Gishu	0.00	77	3074.43	77			
81 Baringo	540.93	81	4965.11	81			
82 Elg. Marakwei	343.98	82	2286.65	82			
83 Nandi	3.85	83		83			
84 Samburu	2967.25	84	13100.00	84			
85 Turkana	21800.00	85	51400.00	85			
86 West Pokot -	611.19	86	6881.18	86		.*	
91 Bungoma	544.55	91	1892.14	91			
92 Busia	869.28	92	824.74	92			
93 Kakamega	1019.56	93	1305.55	93	· ·		

District	Crop Suitability	District	Groundwater Suitability	District	Irrigation with Groundwate
	Suitable		Suitable		Irrigable
11 Nairobi	0.00	11	698.60	11	
21 Kiambu	1170.33	21		21	
22 Kirinyaga	823.14	22		22	
23 Muranga	1522.21	23	2265.47	23	1287.43
24 Nyandarua	369.92	24	3019.89	24	329.43
25 Nyeri	1200.09	25	2831.52	25	1091.93
31 Kilifi	5783.42	31	593.61	31	65.21
32 Kwale	4160.02	32	1251.37	32	883.76
33 Lamu	3997.83	33	4586.42	33	2923.84
34 Monbasa	0.00	34	0.00	34	0.00
35 Taita Taveta	4864.18	35	4101.39	35	887.47
36 Tana River	10600.00	36	912,90	36	431,16
41 Embu	1121.95	41	2161.62	41	652.76
42 Isiolo	8490.73	42	6412.55	42	1987.52
43 Kitui	15400.00	43	10800.00	43	3 5446.73
44 Machakos	7430.55	44	10100.00	44	5232.02
45 Marsabit	12900.00	45	32700.00	4:	5 6076.52
46 Meru	3774.22	46		40	5 2855.54
51 Garissa	16000.00	51		5	3005.07
52 Mandera	9175.64	52		5:	2 0.00
53 Wajir	18100.00	53		5	3 5073.91
61 Kisii	1561.81	61		6	723.43
62 Kisumu	1162.33	62		6	2 736.64
63 Siaya	1744.46	63		6	3 693,61
64 South Nyanza	3889.04	64	the contract of the contract o	6	4 2977.45
71 Kajiado	9591.36	71	· · · · · · · · · · · · · · · · · · ·	7	1 7337.43
72 Kericho	3010,67	72		7:	2 2471.73
73 Laikipia	5902.42	73		7.	3 5190.77
74 Nakuru	2134,23	74		7.	4 1790.65
75 Narok	9371.49	75	15100.00	7.	5 7960.70
76 Trans Nzoia	1675.74	76	1996.67	7	6 1251.23
77 Uasin Gishu	2213,91	1 77	3074.43	7	7 1883.15
81 Baringo	946.77	81		8	782.41
82 Elg. Marakwet	529.01	82	2286.63	8	2 339.59
83 Nandi	1783.40	83		8	3 906.75
84 Samburu	4304.45	84		8	
85 Turkana	13000.00	85		8.	5 11000.00
86 West Pokot	1370.13	86		8	6 1032.49
91 Bungoma	1745.50	91		9	905.34
92 Busia	975.13	92	and the second s	9:	2 524.95
93 Kakamega	2699.17	93		9	3 993.60

