

**APPENDIX E.4**  
**Irrigation Project Sheets**



**Appendix 4**  
**Irrigation Project Sheets**  
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# Project Sheet

Project Type : Irrigation

Project Code :

Project Name : **Aror**

District : Elgeyo Marakwet

Division : Tot, Northern

Location : Mon, Aror

## Present Status

Master Plan / Pre F/S  
Implement agency :  
Donor :

✓ F/S  
Implement agency : TARDA  
Donor : Italy

D/D  
Implement agency :  
Donor :

## Project Feature

Irrigation area : 1,340 ha    Irrigation method : surface  
Water source : Aror river    Major crops : Banana, Cassava, finger millet  
Water supply by Dam  
Water conveyance : canal    River Basin 2CB

## Irrigation Water Demand

Unit m<sup>3</sup>/sec

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
0.28	0.27	0.28	0.57	1.1	1.13	0.97	1.04	1.33	0.8	0.21	0.25	

## Implementation Schedule

	1st	2nd	3rd	4th	5th	6th	7th
Detailed Design	■						
Tender Procedure		■					
Construction			■	■	■		

## Project Evaluation

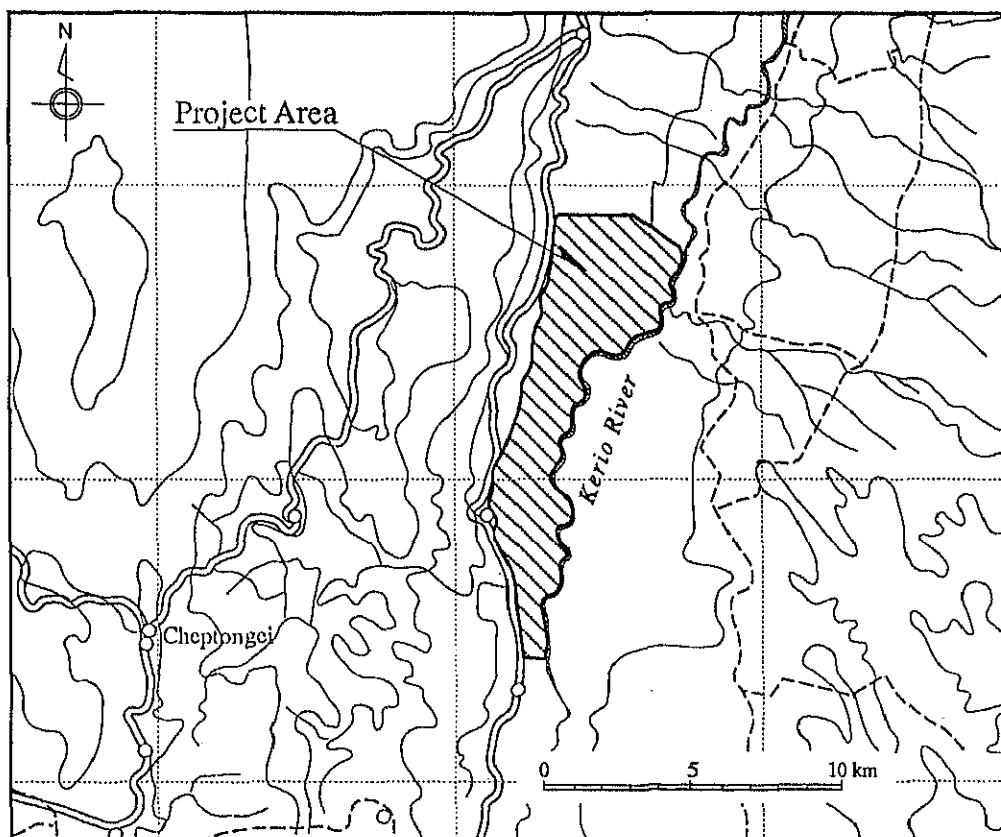
Project cost :  
..... 402.58 million Ksh

Project Benefit :  
..... 28.36 million Ksh

B - C :

EIRR : 10.5 %

## Location Map



<b>Project Sheet</b>				Project Type : Irrigation																																																										
Project Code :		Project Name : <b>Kano Plain</b>																																																												
District : Kisumu		Division : Nyakach, East Nyando, West Nyando		Location : N.E Kano, S.E Kano, S.W. Kano, N.W Kano, N.																																																										
Present Status																																																														
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : LBDA Donor : JICA		<input checked="" type="checkbox"/> F/S Implement agency : LBDA Donor : JICA		D/D Implement agency : Donor :																																																										
Project Feature																																																														
Irrigation area :		25,640 ha		Irrigation method : surface																																																										
Water source :		Sondur , Nyando		Major crops : Rice, Maize																																																										
Water supply by :		gravity		River Basin																																																										
Water conveyance :		canal		IJG																																																										
Irrigation Water Demand				Unit m <sup>3</sup> /sec																																																										
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year																																																		
7.1	17.4	18.5	17.1	19.2	14.7	7.9	15	26.3	29.1	23.5	11.2																																																			
Implementation Schedule						Project Evaluation																																																								
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th><th>1991</th><th>1992</th><th>1993</th><th>1994</th><th>1995</th><th>1996</th><th>1997</th><th>1998</th><th>1999</th><th>2000</th></tr> </thead> <tbody> <tr> <td>Feasibility Study</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Detailed Design</td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Tender Procedure</td><td></td><td></td><td></td><td></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td><td></td></tr> <tr> <td>Construction</td><td></td><td></td><td></td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td></tr> </tbody> </table>							1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	Feasibility Study											Detailed Design											Tender Procedure											Construction											Project cost : ..... 2,915 million Ksh  Project Benefit : ..... 528 million Ksh  B - C :  EIRR : 16.3 %	
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000																																																				
Feasibility Study																																																														
Detailed Design																																																														
Tender Procedure																																																														
Construction																																																														
Location Map																																																														

<b>Project Sheet</b>				Project Type : Irrigation																
Project Code :		Project Name : <b>Kanzalu</b>																		
District : Machakos		Division : Mwala		Location : Mbiuni																
<b>Present Status</b>																				
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : TARDA Donor :		F/S Implement agency : Donor :		D/D Implement agency : Donor :																
<b>Project Feature</b>																				
Irrigation area :		4,055 ha		Irrigation method : surface																
Water source :		Athi river		Major crops : rice																
Water supply by :		gravity		River Basin 3DA																
Water conveyance :		canal																		
<b>Irrigation Water Demand</b>				Unit 1/sec/ha																
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year								
1.05	1.17	0.47	0.45	0.69	0.71	0.62	0.72	1.04	1.08	0.41	0.78	0.80								
<b>Implementation Schedule</b>						<b>Project Evaluation</b>  Project cost : ..... 297.7 million Ksh  Project Benefit : ..... 90.832 million Ksh  B - C :  EIRR : 12.1 %														
			1st	2nd	3rd							4th	5th	6th	7th	8th	9th	10th	11th	12th
D/D																				
Construction																				
Head Works																				
Farm																				
<b>Location Map</b>																				

<b>Project Sheet</b>	Project Type : Irrigation
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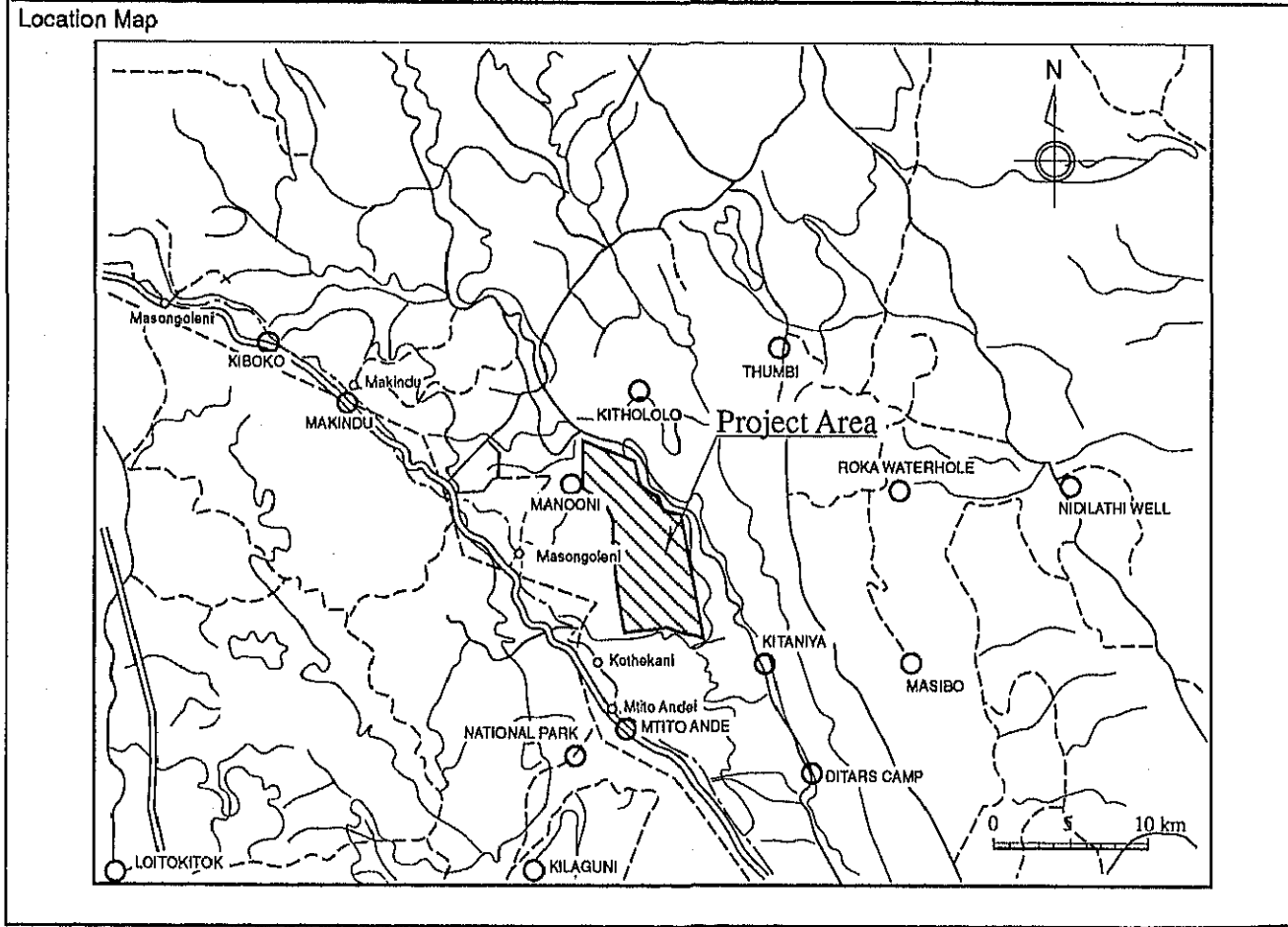
Project Code :	Project Name : <b>Kibwezi extension</b>
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District : Machakos	Division : Kibwezi	Location : Ngwata, Mito Andei
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<b>Present Status</b>		
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : TARDA Donor :	F/S Implement agency : Donor :	D/D Implement agency : Donor :

<b>Project Feature</b>		River Basin 3FB
Irrigation area : 13,200 ha	Irrigation method : surface	
Water source : Athi river	Major crops : rice	
Water supply by gravity		
Water conveyance : canal		

<b>Irrigation Water Demand</b>	Unit 1/sec/ha	<b>Project Evaluation</b>																																																																														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>JAN</th><th>FEB</th><th>MAR</th><th>APR</th><th>MAY</th><th>JUN</th><th>JUL</th><th>AUG</th><th>SEP</th><th>OCT</th><th>NOV</th><th>DEC</th><th>Year</th> </tr> </thead> <tbody> <tr> <td>0.99</td><td>1.13</td><td>1.02</td><td>0.62</td><td>0.87</td><td>0.92</td><td>0.90</td><td>1.01</td><td>1.26</td><td>1.20</td><td>0.52</td><td>0.54</td><td>0.91</td> </tr> </tbody> </table>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year	0.99	1.13	1.02	0.62	0.87	0.92	0.90	1.01	1.26	1.20	0.52	0.54	0.91		Project cost : ..... 822.58 million Ksh  Project Benefit : ..... million Ksh  B - C :  EIRR : 12.6 %																																																				
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year																																																																				
0.99	1.13	1.02	0.62	0.87	0.92	0.90	1.01	1.26	1.20	0.52	0.54	0.91																																																																				
<b>Implementation Schedule</b>																																																																																
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th><th>1st</th><th>2nd</th><th>3rd</th><th>4th</th><th>5th</th><th>6th</th><th>7th</th><th>8th</th><th>9th</th><th>10th</th><th>11th</th><th>12th</th> </tr> </thead> <tbody> <tr> <td>D/D</td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Tender Procedure</td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Construction</td><td></td><td></td><td></td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td> </tr> <tr> <td style="padding-left: 20px;">1st 6000ha</td><td></td><td></td><td></td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td> </tr> <tr> <td style="padding-left: 20px;">2nd 7200ha</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td> </tr> </tbody> </table>		1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	D/D													Tender Procedure													Construction													1st 6000ha													2nd 7200ha														
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th																																																																				
D/D																																																																																
Tender Procedure																																																																																
Construction																																																																																
1st 6000ha																																																																																
2nd 7200ha																																																																																





# Project Sheet

Project Type : Irrigation

Project Code :

Project Name : **Kimira**

District : South Nyanza

Division : Kenda Bay

Location : Central, Karachuonyo

## Present Status

✓ Master Plan / Pre F/S  
Implement agency : LBDA  
Donor : JICA

✓ F/S  
Implement agency : LBDA  
Donor : Netherland

D/D  
Implement agency :  
Donor :

## Project Feature

Irrigation area : 2,000 ha Irrigation method : surface

Water source : Awach Kibuon Major crops : rice

Water supply by gravity

Water conveyance : canal

River Basin  
1HD

## Irrigation Water Demand

Unit m<sup>3</sup>/sec

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
1.74	2.24	2.24	3.2	1.1	1.56	0.56	0.2	0.62	1.54	2.12	2.38	

## Project Evaluation

Project cost :  
..... 26.5 million Ksh

Project Benefit :  
..... million Ksh

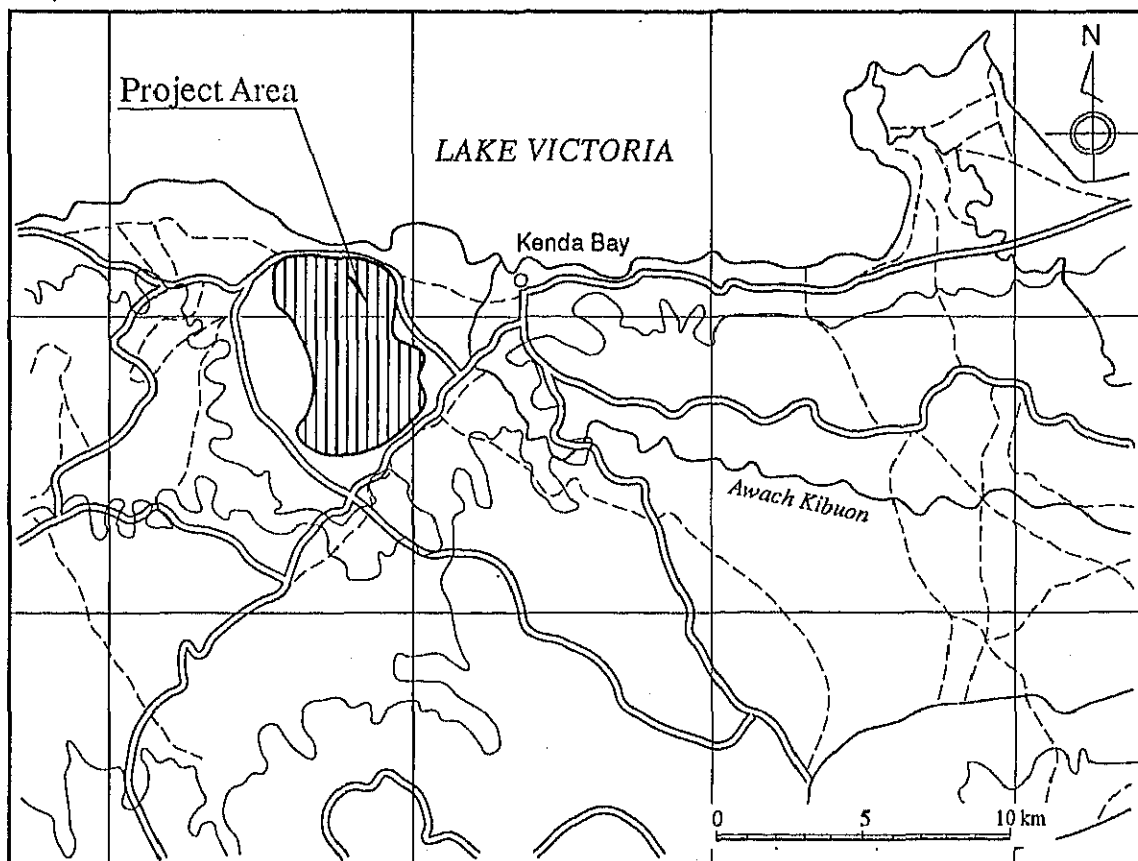
B - C :

EIRR : %

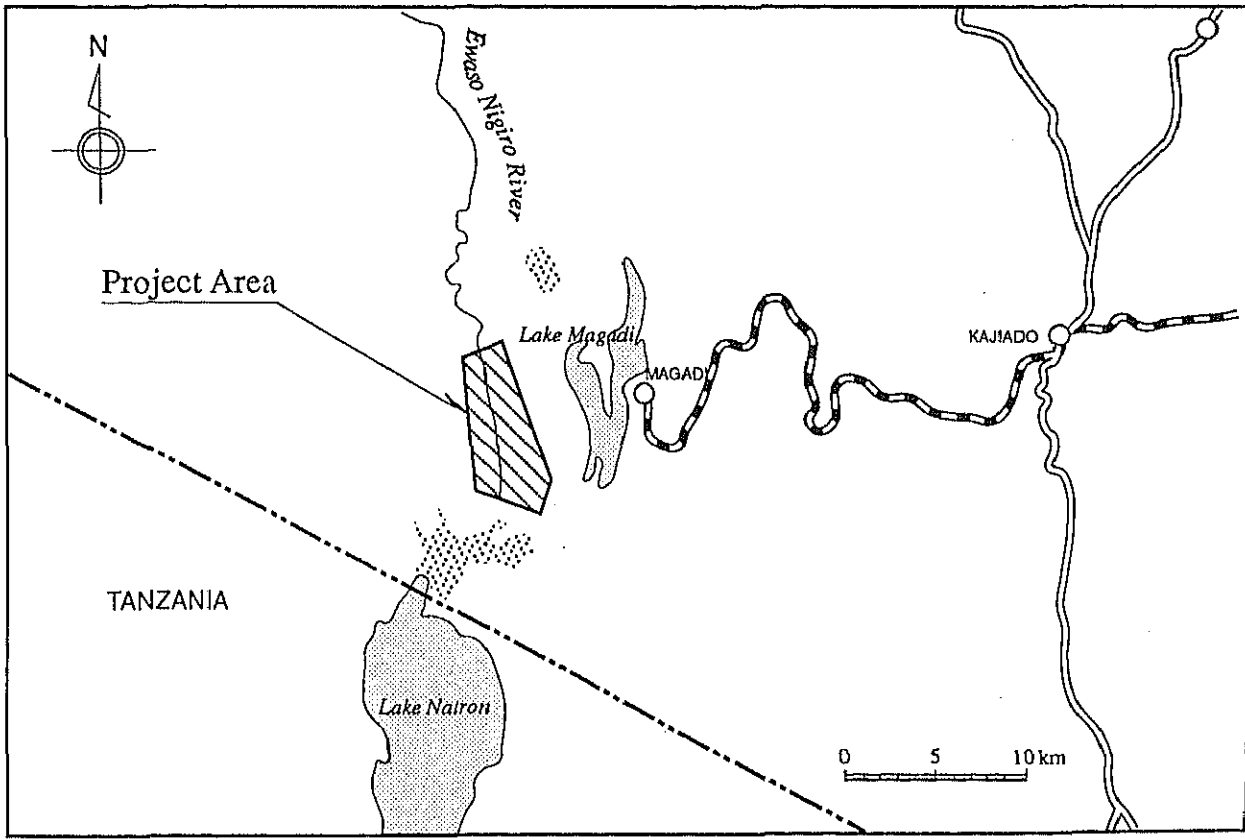
## Implementation Schedule

	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
Financial Arrangement	█											
D/D		█										
Tendering			█									
Construction				█	█	█	█	█	█	█	█	█

## Location Map



<b>Project Sheet</b>				Project Type : Irrigation											
Project Code :		Project Name : <b>Kunafi</b>													
District : Meru		Division : Nithi		Location : Mwonge											
<b>Present Status</b>															
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : TARDA Donor :		F/S Implement agency : Donor :		D/D Implement agency : Donor :											
<b>Project Feature</b>															
Irrigation area : 1,050 ha		Irrigation method : surface													
Water source : Thanantu river		Major crops : Cotton, Maize, Vegetables, Tobacco													
Water supply by gravity		River Basin 4FA													
Water conveyance :															
<b>Irrigation Water Demand</b>				Unit l/sec/ha											
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year	<b>Project Evaluation</b>  Project cost : ..... million Ksh  Project Benefit : ..... million Ksh  B - C :  EIRR : %		
0.32	0.42	0.53	0.37	0.38	0.32	0.25	0.13	0.19	0.39	0.28	0.37	3.97			
<b>Implementation Schedule</b>															
<b>Location Map</b>															

<b>Project Sheet</b>				Project Type : Irrigation								
Project Code :		Project Name : Lower Ewaso 'Ngiro										
District : Kajiado		Division : Magadi		Location : Magdi								
<b>Present Status</b>												
Master Plan / Pre F/S Implement agency : Donor :		F/S Implement agency : Donor :		D/D Implement agency : Donor :								
<b>Project Feature</b>												
Irrigation area :		10,000 ha		Irrigation method :								
Water source :		Major crops :										
Water supply by		River Basin										
Water conveyance :		2KC										
<b>Irrigation Water Demand</b>				Unit								
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
<b>Implementation Schedule</b>												
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
Pilot Project	■	■	■									
D/D			■	■	■							
Tender Procedure						■	■					
Construction								■	■	■	■	■
<b>Project Evaluation</b>												
Project cost : 932.8 million Ksh												
Project Benefit :                      million Ksh												
B - C :												
EIRR : %												
<b>Location Map</b>												
												



<b>Project Sheet</b>				Project Type : Irrigation								
Project Code :		Project Name : <b>Lower Nzoia/Bunyala Extension</b>										
District : Siaya		Division : Hakati South, Hakati North		Location : East Bunyala, Samia South								
<b>Present Status</b>												
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : LBDA Donor :		F/S Implement agency : Donor :		D/D Implement agency : Donor :								
<b>Project Feature</b>												
Irrigation area : 10,480 ha		Irrigation method : surface										
Water source : Nzoia river		Major crops : Rice, Cotton, Maize										
Water supply by gravity					River Basin 1EP							
Water conveyance : canal												
<b>Irrigation Water Demand</b>				Unit l/sec/ha								
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
0.27	0.26	0.36	0.18	0.16	0.54	1.08	1.31	1.79	1.06	0.74	1.00	
<b>Implementation Schedule</b>						<b>Project Evaluation</b>						
						Project cost : ..... 152 million Ksh						
						Project Benefit : ..... million Ksh						
						B - C:						
						EIRR : %						
<b>Location Map</b>												

<b>Project Sheet</b>				Project Type : Irrigation																																										
Project Code :		Project Name : Lower Rupingazi																																												
District : Embu, Kirinyaga		Division : Gachoka, Mwea		Location : Mbeti South, Murinduko																																										
<b>Present Status</b>																																														
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : TARDA Donor :		F/S Implement agency : Donor :		D/D Implement agency : Donor :																																										
<b>Project Feature</b>																																														
Irrigation area : 1,800 ha		Irrigation method : sprinkler																																												
Water source : Rupingazi river		Major crops : Cotton, Maize, Vegiyables, Tobacco																																												
Water supply by gravity		River Basin 4DC																																												
Water conveyance : pipe line																																														
<b>Irrigation Water Demand</b>				Unit m3/sec																																										
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year																																		
0.73	0.86	0.99	0.35	0.8	0.93	0.58	0.57	1.10	1.15	0.50	0.67																																			
<b>Implementation Schedule</b>						<b>Project Evaluation</b>																																								
<table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th></th> <th>1st</th><th>2nd</th><th>3rd</th><th>4th</th><th>5th</th><th>6th</th><th>7th</th><th>8th</th><th>9th</th><th>10th</th><th>11th</th><th>12th</th> </tr> </thead> <tbody> <tr> <td>D/D</td> <td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td>Construction</td> <td></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td style="background-color: #cccccc;"></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </tbody> </table>							1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th	D/D													Construction													Project cost : ..... 60.2 million Ksh  Project Benefit : ..... million Ksh  B - C :  EIRR : %	
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th																																		
D/D																																														
Construction																																														
<b>Location Map</b>																																														

<b>Project Sheet</b>				Project Type : Irrigation								
Project Code :		Project Name : Mwea extension										
District : Kirinyaga		Division : Mwea		Location : Mutithi								
<b>Present Status</b>												
Master Plan / Pre F/S Implement agency : Donor :		✓ F/S Implement agency : NIB Donor : JICA		D/D Implement agency : Donor :								
<b>Project Feature</b>												
Irrigation area : 2,900 ha		Irrigation method : surface										
Water source : Tana & Tiba		Major crops : Rice , upland crops										
Water supply by Gravity		River Basin 4DA										
Water conveyance : canal												
<b>Irrigation Water Demand</b>				Unit m <sup>3</sup> /sec								
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
0.99	1.2	3.32	2.59	1.21	1.41	0.92	2.68	4.43	2.88	1.08	2.14	
<b>Implementation Schedule</b>												
	1991	1992	1993	1994	1995	1996	1997	<b>Project Evaluation</b>  Project cost : ..... 1,227.1 million Ksh  Project Benefit : ..... 299.6 million Ksh  B - C :  EIRR : %				
Detailed Design												
Thiba Dam												
Headworks												
Extension Area												
<b>Location Map</b>												

<b>Project Sheet</b>	Project Type : Irrigation
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Project Code :	Project Name : <b>Sabaki Extension</b>
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District : Kilifi	Division : Malindi	Location : Dagamra, Garashi
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<b>Present Status</b>		
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : TARDA Donor :	F/S Implement agency : Donor :	D/D Implement agency : Donor :

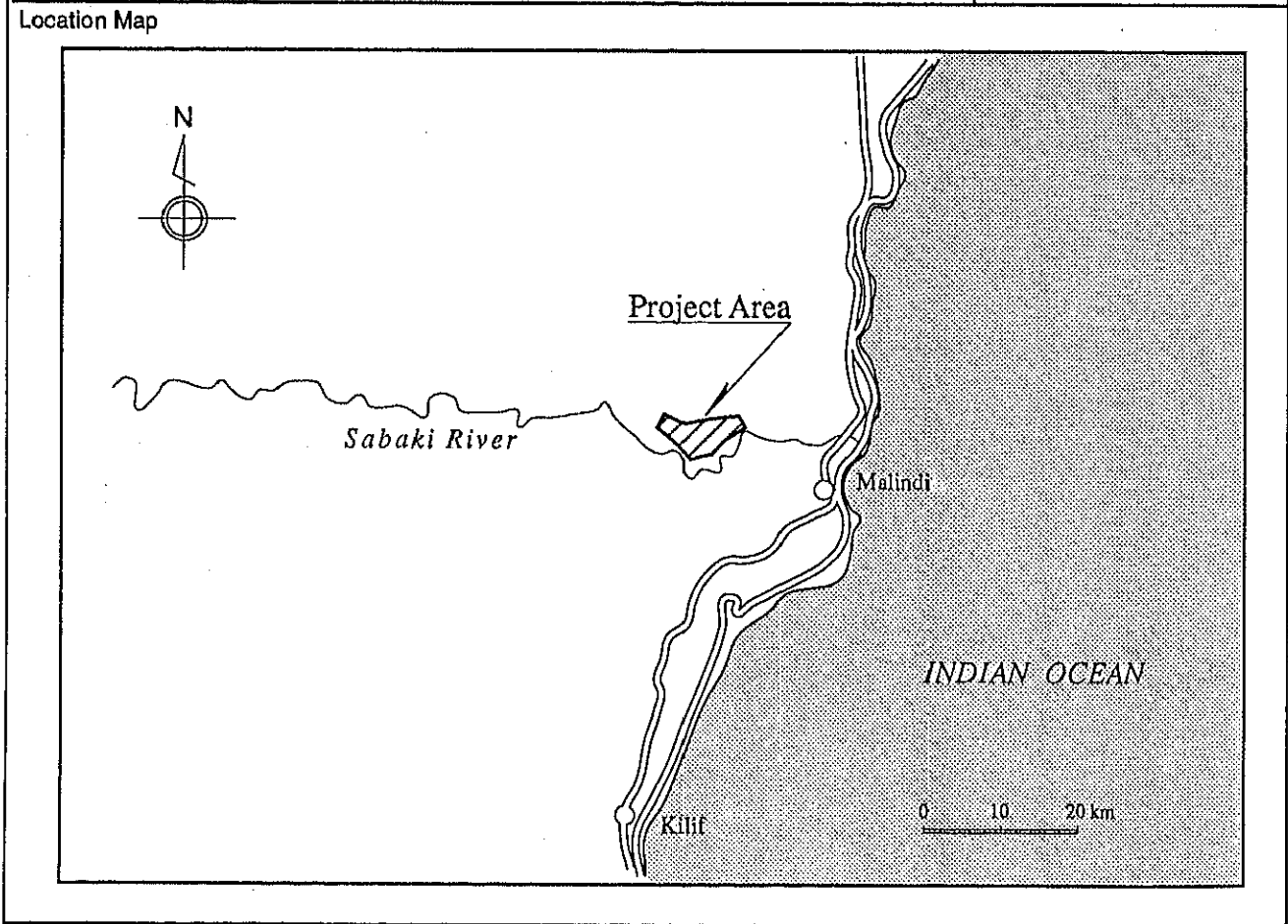
<b>Project Feature</b>		
Irrigation area : 3,000 ha	Irrigation method : surface	
Water source : Sabaki river	Major crops : rice	
Water supply by gravity		River Basin 3HD
Water conveyance : canal		

<b>Irrigation Water Demand</b>	Unit l/sec/ha	<b>Project Evaluation</b>																										
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>JAN</th><th>FEB</th><th>MAR</th><th>APR</th><th>MAY</th><th>JUN</th><th>JUL</th><th>AUG</th><th>SEP</th><th>OCT</th><th>NOV</th><th>DEC</th><th>Year</th> </tr> <tr> <td>1.15</td><td>1.30</td><td>0.99</td><td>0.66</td><td>0.41</td><td>0.51</td><td>0.61</td><td>0.80</td><td>0.85</td><td>0.92</td><td>0.83</td><td>0.85</td><td>0.82</td> </tr> </table>	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year	1.15	1.30	0.99	0.66	0.41	0.51	0.61	0.80	0.85	0.92	0.83	0.85	0.82		Project cost : ..... million Ksh
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year																
1.15	1.30	0.99	0.66	0.41	0.51	0.61	0.80	0.85	0.92	0.83	0.85	0.82																

<b>Implementation Schedule</b>												
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
Pilot Area F/S												
D/D & Construction												
Operation												
Whole Area F/S												
D/D & Construction												

Project Benefit :  
 ..... million Ksh

B - C :  
 EIRR : %





<b>Project Sheet</b>	Project Type : Irrigation
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Project Code :	Project Name : <b>Tana Delta</b>
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District : Tana River, Lamu	Division : Garsen, Witu	Location : Bilisa, Salama, Witu
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<b>Present Status</b>		
Master Plan / Pre F/S Implement agency : Donor :	✓ F/S Implement agency : TARDA Donor :	✓ D/D Implement agency : TARDA Donor : OECF

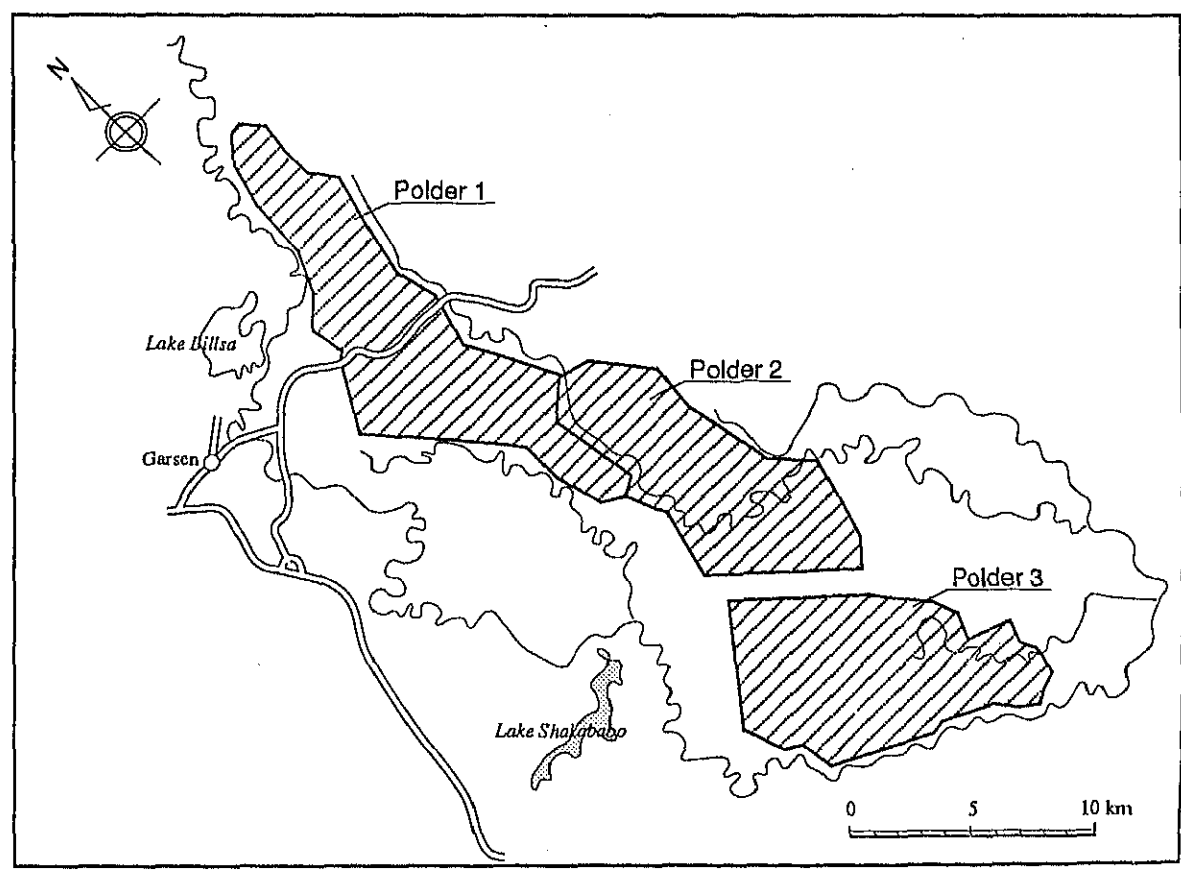
<b>Project Feature</b>		
Irrigation area : 12,000 ha	Irrigation method : surface	
Water source : Tana river	Major crops : rice	
Water supply by gravity		River Basin 4GF
Water conveyance : canal		

<b>Irrigation Water Demand</b>												Unit l/sec/ha
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
1.97	0.49	0	1.0	1.39	1.75	1.83	1.55	0.81	1.68	1.86	2.01	

<b>Project Evaluation</b>	
Project cost :	2,850 million Ksh
Project Benefit :	304 million Ksh
B - C :	
EIRR : 13.9	%

<b>Implementation Schedule</b>											
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	
Headworks	▬▬▬										
Polder 1 Construction	▬▬▬▬										
Polder 2 & 3 Construction				▬▬▬▬▬▬							
Rice Mill			▬▬▬▬▬▬								

**Location Map**





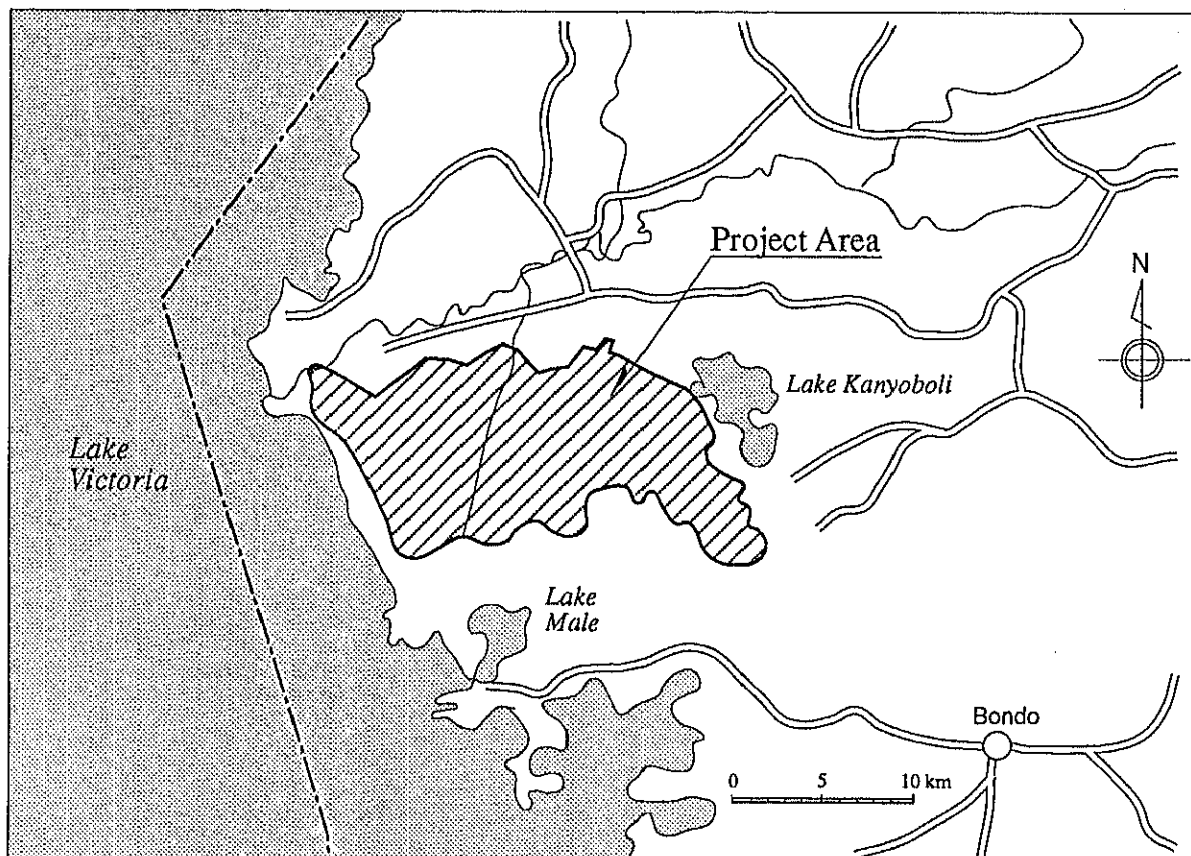
<b>Project Sheet</b>				Project Type : Irrigation											
Project Code :		Project Name : <b>Thanantu</b>													
District : Meru		Division : Tigania		Location : Thangatha, Mbeu											
<b>Present Status</b>															
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : TARDA Donor :		F/S Implement agency : Donor :		D/D Implement agency : Donor :											
<b>Project Feature</b>															
Irrigation area : 2,520 ha		Irrigation method : surface													
Water source : Thanantu river		Major crops : Cotton, Maize, Vegetables, Tobacco													
Water supply by gravity		River Basin 4FA													
Water conveyance : canal															
<b>Irrigation Water Demand</b>				Unit l/sec/ha											
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year	<b>Project Evaluation</b>  Project cost : ..... million Ksh  Project Benefit : ..... million Ksh  B - C :  EIRR : %		
0.32	0.42	0.53	0.37	0.38	0.32	0.25	0.13	0.19	0.39	0.28	0.37				
<b>Implementation Schedule</b>															
<b>Location Map</b>															

<b>Project Sheet</b>					Project Type : Irrigation							
Project Code :			Project Name : <b>Turkwell</b>									
District : Turukana		Division : Katilu		Location : Lorengippi, Kalapata								
<b>Present Status</b>												
<input checked="" type="checkbox"/> Master Plan / Pre F/S Implement agency : KVDA Donor : France		F/S Implement agency : Donor :		D/D Implement agency : Donor :								
<b>Project Feature</b>												
Irrigation area :		600 ha		Irrigation method : surface								
Water source :		Turkwell		Major crops : Cotton, Maize, Beans								
Water supply by						River Basin						
Water conveyance :						2BD						
<b>Irrigation Water Demand</b>					Unit 1/sec/ha							
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
0.41	0.4	0.85	1.13	0.87	0.27		0.72	1.25	1.28	0.52		
<b>Implementation Schedule</b>							<b>Project Evaluation</b>					
							Project cost : ..... million Ksh					
							Project Benefit : ..... million Ksh					
							B - C :					
							EIRR : %					
<b>Location Map</b>												

<b>Project Sheet</b>				Project Type : Irrigation								
Project Code :		Project Name : <b>Upper Nzoia</b>										
District : Bungoma		Division : Tongaren		Location : Ndalu								
<b>Present Status</b>												
✓ Master Plan / Pre F/S Implement agency : LBDA Donor : Italy		F/S Implement agency : Donor :		D/D Implement agency : Donor :								
<b>Project Feature</b>												
Irrigation area : 7,550 ha		Irrigation method : sprinkler, surface										
Water source : Nzoia river		Major crops : fruits, maize										
Water supply by Dam, pump		River Basin IBD										
Water conveyance : pipe, canal												
<b>Irrigation Water Demand</b>				Unit m <sup>3</sup> /sec								
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
3.16	2.6	2.9	2.15	0.72	1.68	0.6		1.88	3.33	3.27	3.9	
<b>Implementation Schedule</b>						<b>Project Evaluation</b>						
						Project cost : ..... 1,076.7 million Ksh						
						Project Benefit : ..... million Ksh						
						B - C :						
						EIRR : %						
<b>Location Map</b>												
<p>The map shows the project area shaded with diagonal lines, situated near the town of Kitale. The Nzoia River is shown flowing through the area. A north arrow and a scale bar (0, 5, 10 km) are also present.</p>												

<b>Project Sheet</b>				Project Type : Irrigation								
Project Code :		Project Name : Yala Swamp										
District : Siaya, Busia		Division : Boro, Hakati South		Location : Usonga, South Bunyala								
<b>Present Status</b>												
✓ Master Plan / Pre F/S Implement agency : LBDA Donor :		✓ F/S Implement agency : LBDA Donor :		D/D Implement agency : Donor :								
<b>Project Feature</b>												
Irrigation area : 7,540 ha		Irrigation method : surface										
Water source : Yala River		Major crops : rice, maize										
Water supply by gravity				River Basin 1FG								
Water conveyance : canal												
<b>Irrigation Water Demand</b>				Unit l/sec/ha								
JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Year
0.23	0.98	1.25	0.98	0.63	0.27	0.23	0.92	1.21	1.27	0.94	0.46	
<b>Implementation Schedule</b>						<b>Project Evaluation</b>						
						Project cost : ..... 1,663.76 million Ksh						
						Project Benefit : ..... 49.3 million Ksh						
						B - C:						
						EIRR : %						

Location Map



**APPENDIX E.5**

**List of Existing and Proposed Irrigation and Drainage Schemes**





## Appendix E.5

### List of Existing and Proposed Irrigation and Drainage Schemes

#### Contents

Code	District	Page
110	Nairobi	E.5-1
210	Kiambu	E.5-1
220	Kirinyaga	E.5-1
230	Muranga	E.5-1
240	Nyandarua	E.5-1
250	Nyeri	E.5-2
310	Kilifi	E.5-2
320	Kwale	E.5-2
330	Lamu	E.5-2
350	Taita Taveta	E.5-3
360	Tana River	E.5-3
410	Embu	E.5-3
420	Isiolo	E.5-3
430	Kitui	E.5-4
440	Machakos	E.5-4
450	Marsabit	E.5-4
460	Meru	E.5-4
510	Garissa	E.5-5
520	Mandera	E.5-5
610	Kisii	E.5-5
620	Kisumu	E.5-6
630	Siaya	E.5-7
640	South Nyanza	E.5-7
710	Kajiado	E.5-8
730	Laikipia	E.5-8
740	Nakuru	E.5-8
750	Narok	E.5-8
760	Trans Nzoia	E.5-8
770	Uasin Gishu	E.5-8
810	Baringo	E.5-9
820	Elg. Marakwet	E.5-9
830	Nandi	E.5-10
840	Samburu	E.5-10
850	Turkana	E.5-10
860	West Pokot	E.5-10
910	Bungoma	E.5-11
920	Busia	E.5-11
930	Kakamega	E.5-11



## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
<b>110</b>	<b>Nairobi</b>							
	Private Scheme	i	1564					
	Sub Total (irrigation)		1564					
<b>210</b>	<b>Kiambu</b>							
					Gathaiti	i	0	Vegt
					Juja Farm	i	15	Oranges
					Kiarnwangi	i	-	
					Komo	i	50	Vegt
					Munyu	i	50	Vegt
	Individual Farms	i	330		Nyakumu	i	-	
	Private Scheme	i	10688	coffee/fruits	Ondiri	i	-	
	Sub Total (irrigation)		11018				115	
					Gachororo	d	0	Food
					Gatuanyaga E	d	0	Food
					Gatuanyaga W	d	0	Food
					Kerwa	d	0	Vegt
					Ruiru Centre	d	10	
					Thita	d	0	Food
	Sub Total (drainage)						10	
<b>220</b>	<b>Kirinyaga</b>							
	Kandakame	i	25	Food Vegt	Kathiga	i	30	
	Karikoini	i	50	Food Vegt	Mwea Extension	i	2900	Rice , Upland Crops
	Kiamiciri	i	25	Food Vegt	Kiangwaci	i	0	Vegt
	Kibirigwi	i	114	Vegt				
	Kii-Furrow	i	50	Food				
	Kutus	i	15	Food Vegt				
	Muthithi-Ini	i	25	Hort				
	Mwea Rice	i	5795	Rice				
	Ndia-Baricho	i	50	Food Vegt				
	Individual Farms	i	88					
	Private Scheme	i	61	coffee				
	Sub Total (irrigation)		6298				2930	
	Kimuchu-J	d	0					
	Kimuchu-T	d	0					
	Sub Total (drainage)						0	
<b>230</b>	<b>Muranga</b>							
	Kigumo	i	8	Vegt	Ititu-Ikundu	i	150	Hort Crop
	Pundamilia	i	30	Hort Crops	Kaharo	i	0	Food
					Kahutha	i	0	
					Kambirwa/Mirira	i	150	
					Maragua	i	200	Food Citr Vegt
					Muranga	i	0	
	Individual Farms	i	99		Muthithi	i	0	Vegt
	Private Scheme	i	6107	coffee/fruits	Nginda	i	0	Food
	Sub Total (irrigation)		6244		Thika F.T.C.	i	0	
							500	
					Kabati	d	100	Food
					Kimathi	d	100	
					Mgarania	d	40	Food Vegt
					Mugecha	d	42	Food Vegt
					Waitua	d	48	Food Vegt
	Sub Total (drainage)						330	
<b>240</b>	<b>Nyandarua</b>							
	Kiambogo	i	4	Vegt	Gathanji	i	0	Vegt
	Munyu Gathan	i	23	Vegt				
	Mutara	i	3	Vegt Hort				
	Subego	i	0	Food Vegt				
	Uruku/Kiambo	i	2	Vegt Cabbages				
	Wihote	i	0	Vegt				
	Individual Farms	i	50					
	Private Scheme	i	64	fruits				
	Sub Total (irrigation)		146				0	
	Gathagi	d	32	Vegt				
	Sub Total (drainage)		32				0	

N.B. i: small holder irrigation scheme  
d: drainage scheme  
a: abandon

## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
<b>250</b>	<b>Nyeri</b>							
	Barguret	i	40	Vegt/Hort	Kamburaini	i	8	Vegt
	Gitero	i	50	Vegt	Kamoko	i	20	Horticulture Maize,Beans
	Huku	i	50	Food/Hort	Kanjuri	i	20	Vegt/Food
	Ihwagi	i	15	Food Vegt	Kihuru	i	29	Vegt
	Island Farms	i	120	Vegt Food	Riakiumu	i	0	
	Kabendera	i	60	Food Vegt	Ruhotic	i	0	
	Kambiria	i	30	Vegt				
	Kangocho	i	15	Vegt				
	Kiragati	i	10	Vegt				
	Kirimafit	i	4	Vegt				
	Kmbiria/Kagongo	i	15	Food Vegt				
	Mathina	i	40	Food Vegt				
	Murigo	i	100	Vegt				
	Muriro	i	50	Vegt				
	Mwihuri	i	50	Vegt				
	Narumoro-Agut.	i	100	Vegt				
	Ngogithi(Mat.)	i	100	Fo/Ve				
	Rurichu	i	15	Food Vegt				
	Sagana	i	120	Vegt Food				
	Tanyai	i	4	Food Vegt				
	Individual Farms	i	95					
	Private Scheme	i	520	coffee/fruits				
	<b>Sub Total (irrigation)</b>		<b>1603</b>				<b>77</b>	
<b>310</b>	<b>Kiititi</b>							
	Chakama	i	80	Maize Cotton	Burangi	i	80	Rice
					Chakama(Prop)	i	100	
					Dagamra	i	48	Vegetables
					Dodosa/Mgandini	i		Vegetables
					Jilore(Mongotini)	i	60	Vegetables
					Magombe(Rare)	i	0	Maize Vegt.Cotton
					Mashcheni	i	30	Rice Vegetables
					Nzofuni	i	0	
	Individual Farms	i	35		Sabaki	i	12	Vegt.
	Private Scheme	i	245	fruits/veget.	Sabaki Extension	i	3000	Rice
	<b>Sub Total (irrigation)</b>		<b>360</b>				<b>3330</b>	
<b>320</b>	<b>Kwate</b>							
	Muhaka	i	26	Rice	Mhaka	i	25	Rice
	Vanga-Majoroni	i	7	Rice	Msambeni	i	0	
	Vanga-Vichigini	i	10	Rice	Msambweni	i	32	Rice
	Vanga-Waga	i	15	Rice	Pongwe	i	15	Rice
	Vanga-Mpepeni	i	3	Rice	Semkube	i	26	Rice
	Vanga-Mwachami	i	3	Rice	Vanga(Ext.)	i	400	
	Individual Farms	i	71					
	Private Scheme	i	48	fruits/veget.				
	<b>Sub Total (irrigation)</b>		<b>183</b>				<b>498</b>	
	<b>Sub Total (drainage)</b>				Majoreni	d	30	Rice
					Milalani	d	30	Rice
							<b>60</b>	
<b>330</b>	<b>Lamu</b>							
	Semikaro	i	0		Marembo-Lazi	i	0	
					Maziwa	i	0	
					Mwina	i	0	
					Tana Delta 2	i	0	
					Wenje-Bububu	i	0	
	<b>Sub Total (irrigation)</b>		<b>0</b>				<b>0</b>	
<b>350</b>	<b>Taita Taveta</b>							
	Chala	i	80	Vegetables	Mwatate	i	0	
	Kamleza	i	314	Food Vegt Cott	Nyolo	i	200	
	Kasokoni	i	12	Food Citrus & Vegt	Taita Taveta	i	3780	Cotton, Maize
	Kimala	i	151	Cott Food Vegt	Kimala B.I.C	i	10	
	Kitobo	i	30.5	Cott Maize Beans Vegt	Ngutini	i	150	
	Njukini	i	140	Maize Beans Onions Toma				
	Ziwani	i	500					
	Kimorigo	a	140	Vegt				
	Individual Farms	i	12					
	<b>Sub Total (irrigation)</b>		<b>1379.5</b>				<b>4140</b>	
					Kimundia	d	150	
					Madarasani	d	100	

N.B. i: small holder irrigation scheme  
d: drainage scheme  
a: abandon

## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
Sub Total (drainage)			0		Mboghozi	d	800 1050	Bana, Vegt
<b>360</b>	<b>Tana Rlver</b>							
	Bura	i	2500	Cott Maize	Caza	i	0	Hort.Tomat.Onio.Kale Maiz Legum
	Golbanti	i	70	Rice	Chewele	i	100	Maize Legumes Rice Vegt
	Hewani	i	27	Rice	Kikesa	i	0	
	Hola	i	873	Cott/Maize	Kora	i	0	
	Idsowe	i	0	Rice	Laza	i	40	Rice, Vegetables
	Korocho(1st P.)	i	0	Fo/Ve	Makinduni	i	100	Maiz Legumes Hort
	Lhoka	i	0	Fo/Ve	Mikomani	i	100	
	Madogo	i	19	Maize Legumes	Milomani	i	0	
	Mbalambala	i	100	Maize Legumes	Nanighi	i	100	
	Mikiduri	i	40	Fo/Ve	Semikaro	i	100	Rice Maize Legume
	Mnazini	i	33	Rice/Maize Legumes	Tana Delta	i	12000	Rice
	Mulango	i	15	Fo/Ve	Wanje Bububu	i		n/a
	Ngao	i	71	Rice				
	Oda	i	24	Rice Maize Legumes				
	Rhoka	i	59	Maize Legumes Vegt				
	Sombo	i	10	Maiz Legumes Vegt				
	Tana Delta	i	20					
	Wema	i	60	Maize Legumes				
	Sub Total (irrigation)		3921				12540	
<b>410</b>	<b>Embu</b>							
	Ishara	i	32	Vegt.	Catholic Diocese	i	800	
	Kanguru Sch	i	0	Vegt	F.T.C.	i	1.94	Vegetables
	Masinga Tar Farm	i	300	Vegt	Gachuriri	i	70	
	Rupigazi	i	80	Vegt	Geokou	i	100	
					Kamega	i	0	Food Vegt Cotton
					Karaba	i	500	Asian Vegetables
					Karerema	i	0	
					Kasafari	i	400	
					Kathinji	i	30	
					Kerurumwe	i	0	
					Lower Rupigazi	i	1800	Cotton, Maize, Vegetables, Tobacco
					Makima	i	100	
					Mashamba	i	200	
					Meka	i	0	
					Mwiria	i	30	
					Njeruri Canal	i	200	Fruit Trees, Vegetables
					Rachina	i	0	
					Ramega	i	0	
					Rupigazi	i	80	
					Tarda Schemes	i	0	
	Individual Farms	i	43		Thambana Canal	i	7	Forest Trees
	Private Scheme	i	194	veget./fruits	Thiba	i	0	
	Sub Total (irrigation)		649				4319	
<b>420</b>	<b>Isiolo</b>							
	Bisani Biliki	i	50	Food	Kanbi Sheikh	i	50	
	Bulcsa	i	40	Food				
	Dabachabasa	i	28	Food				
	Erasaboru	i	20	Food				
	Gambela	i	50	Vegetable				
	Garfasa	i	73	Food				
	Ishiolo Cent	i	20	Vegt				
	Kilimani	i	50	Vegetables				
	Kinna	i	400	Vegt				
	Kinna Rapsu	i	20	Fo/Ve				
	Korbesa	i	45	Food				
	Malka Daka	i	66	Maiz Cotton				
	Markagalla	i	40	Food				
	Matarba	i	70	Food				
	Merti	i	54	Maize				
	Nengethe	i	60	Food Vegt				
	Rapsu Kinna	i	20					
	Individual Farms	i	2					
	Sub Total (irrigation)		1108				50	

N.B. i: small holder irrigation scheme  
d: drainage scheme  
a: abandon

## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme				
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops	
430	Kitul				Athi Schemes	i			
					Bill Farm	i	5	Hort	
					Katse	i	0		
					Kyuso	i	0		
					Ndooa	i	100	Hort	
					Ratulani	i	20	Hort	
					Thunguthu	i	30	Hort	
					Tseikuru	i	0		
					Usueni	i			
		Sub Total (irrigation)					155		
440	Machakos				Kanzalu	i	4055	Rice	
	Ikokani	i	150	Vegt	Kibwezi Extension	i	13200	Rice	
	Irbani	i	16	Vegt	Kibwezi Pex	i	0	Vegt	
	Itukisya	i	200	Vegt	Kilome	i	0		
	Kabaa	i	5		Kwa-Chai Ext.	i	50	Vegt	
	Kalua	i	30	Vegt	Muito Andei	i	200	Vegt	
	Kibwezi Irr	i	80	Vegt					
	Kikuyuni	i	3.7	Vegt					
	Kithima	i	32						
	Kituvu	i	25						
	Kwa-Chai	i	120	Vegt					
	Kyee Kolo	i	25	Vegt					
	Kyuu	i	30	Vegt					
	Mangelete	i	30	Vegt					
	Mbanya	i	28	Vegt					
	Mbooni Clusters	i	300	Vegt					
	Mtakuja	i	50	Vegt					
	Mtakwenda	i	100	Vegt					
	Muani	i	15						
	Muisuni	i	49	Vegt					
	Muka Mukuu	i	540	Coffee Citrus					
	Mtakuja	i	60	Vegt					
	Muthengue	i	62	Vegt					
	Mutitu	i	50	Vegt					
	Mwethya Muvufeki	i	70	Vegt Food					
	Ngulia	i	80	Vegt					
	Nzau	i	20	Vegt					
	Utangwa	i	100	Vegt					
	Vaati	i	16	Vegt					
	Vinya Wanzou	i	39	Vegt					
	Vumilia	i	65	Vegt					
	Wanasya	i	70	Vegt Food					
Yatta Canal	i	800	Vegt						
Individual Farms	i	36							
Private Scheme	i	1382	sisal						
	Sub Total (irrigation)			4678.7			17505		
460	Meru				Akothima	i	20		
	Kanjoo	i	400	Food + Horticulture	Gatunga	i	50		
	Kiguru	i	60	Fo/Ve	Kibunga	i	60		
	Kiorimba/Machegene	i	500	Tobacco + Food Crops	Kindani	i	0		
	Kirwa Nkando Irr	i	70	Food + Horticulture	Kithinu	i	25		
	Materi	i	20	Fo/Ve	Kunati	i	1050	Cotton, Maize, Vegetables, Tobacco	
	Mitunguu	i	400	Food & Horticulture	Muthuari	i	400	Food + Hort.	
	Muthuani	i	30	Food Horticulture	Nkondi	i	400	Food Crops + Hort.	
	Ngare Ndare	i	80	Food+ Hort.	Ruungu	i	200		
	Ngonyi/Kirogine	i	450	Food + Horticulture	Thanantu	i	2520	Cotton, Maize, Vegetables, Tobacco	
	Nguru Gakirwe Phase 1	i	132	Hort. + Food Crops	Thiiti	i	0		
	Nthambo	i	52	Hort. + Food Crops	Ura West	i	20		
	Tharaka Sec.School	i	4	Horticulture					
	Individual Farms	i	35						
	Private Scheme	i	46	veget./fruits					
		Sub Total (irrigation)			2279			4745	
		Nguru Gakirwe Phase 2	d	135	Food + Hort				
		Sub Total (drainage)			135				

N.B. i: small holder irrigation scheme  
d: drainage scheme  
a: abandon

List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
<b>510</b>	<b>Garissa</b>							
	Adc Farm	i	160	Vegetables Dairy	Balambala	i	16	Bana Fruits Vegt
	Bakuyu	i	4	Rice Sugar Bana	Boy'S Farm	i	20	
	Bamadalwein	i	40	Food	Khaira	i	10	Fruits Vegt Food
	Bura Com.	i	12	Bananas				
	Bura Garissa	i	8	Bana Vegt Citr				
	Demonstration Plot	i	3	Bana				
	First Farm	i	24	Vegetables				
	Ptc Demonstr	i	4					
	Gubatu	i	10	Bana Food				
	Halima'S	i	3	Frui Food				
	Hodan	i	16	Vegetables				
	Holwadag	i	20	Bana Fruits Food				
	Jamhuri	i	20	Vegt				
	Jara Jara	i	60	Vegt Bana Food				
	Kone Nyacho	i	2	Frui				
	Korakora	i	14.4					
	Kori Mbalambala Div.	i	16	Food				
	Ladena	i	3					
	Leg-Dera	i	10	Bana.Fruits,Grass				
	Lola Wailwana	i	3	Bana				
	Maendeleo Farm	i	25	Frui Food				
	Manyatta Wgr	i	2	Bana Vegt				
	Masabubu	i	12					
	Minighi	i	32	Bana Vegt Food				
	Mohamed Sigats	i	1.5	Sorghum				
	Mude Farm	i	60	Food Maize				
	Muslim W. Farm	i	25	Fr/Ve				
	Nanighi	i	1	Vegt Food				
	Raya	i	5					
	Raya Group F	i	6	Bana.Fruits Food				
	Saka	i	4	Vegt				
	Sankuri	i	0	Vegetables				
	Tawakai	i	10	Bana.Fruits,Grass				
	Umaja	i	10	Vegetables				
	Wathajir	i	5					
	Young Muslim	i	6	Fruits				
	Ziwani	i	4	Rice Maize				
	Masalani	a	2	Vegt Bana Food				
	Individual Farms	i	4					
	Sub Total (irrigation)		646.9				46	
<b>520</b>	<b>Madera</b>							
	Bpi(Bounder Point)	i	100	Food Frui Vegt Maiz Tomatoes				
	Harere	i	30	Frui Food Maiz Vegetables				
	Kalaiyo	i	20	Food Vegt Maiz Frui Vegt				
	Rhamu Dimtu	i	80	Food Vegt Frui				
	Sala	i	20	Maize Vegetables				
	Shantole Flood Ctrl.	i	240					
	Yabicho	i	150	Mazie Vegetables				
	Sub Total (irrigation)		640					
<b>610</b>	<b>Kisii</b>							
	Charichani 1	d	230					
	Charichani 2	d	90					
	Enunda	d	98					
	Gesusu	d	27					
	Kebuko	d	42					
	Kemera	d	0					
	Kenyamware	d	238					
	Mochenwa	d	473					
	Moromba	d	515					
	Nyabomite	d	88					
	Sironga	d	219					
	Sub Total (drainage)		2020					

N.B. i: small holder irrigation scheme  
d: drainage scheme  
a: abandon

## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
620	Kisumu							
	Nyakach	i	230		Kano Plain	i	26150	Rice, Maize
	Abwao	i	70	Rice	Miruti	i	0	Vegt
	Abwao Outgr.	i	35	Rice	South Kano	i	0	Rice
	Ahero Pilot	i	877	Rice				
	Akur Kotondi	i	-					
	Alungo 'A'	i	40	Rice				
	Alungo Major	i	-					
	Alungo Scheme	i	40	Rice				
	Angoga Farm	i	1					
	Anyiko	i	25					
	Aram/ Asembo	i	-					
	Asunda	i	20	Rice				
	Awach	i	178	Rice				
	Chiga Cluster	i	200	Rice				
	Cotton Research	i	4	Cotton				
	E. Sewa Awach	i	3	Rice				
	Gem-Rai Outgr.	i	28	Rice				
	Gemrai Akd	i	90	Rice				
	Jonyo	i	-					
	Kanyangoje	i	-					
	Kirindo/Vegetable	i	-					
	Kobura	i	-					
	Kodiembo	i	-					
	Kokedi	i	-					
	Kopudo Scheme	i	45	Rice				
	Kore	i	166	Rice				
	Kudho Outgr.	i	30	Rice				
	Kupudo	i	45	Rice				
	Lienya/Alungo	i	12					
	Malele	i	40					
	Masune	i	250	Rice				
	Ngege	i	-					
	Nyachoda Akd	i	40	Rice				
	Nyachoda Outgr.	i	25	Rice				
	Nyamasaria	i	60	Rice				
	Nyatini Swk1	i	150	Rice				
	Obange Swk1	i	80	Rice				
	Obino	i	10					
	Odawa/Kaloka	i	3.5					
	Odhiany	i	-					
	Odong(Chiga)	i	40	Rice				
	Ombaka	i	7	Vegt				
	Oyani Akd	i	30	Rice				
	S W Kano1	i	630	Rice				
	S.W. Kano2	i	690	Rice				
	Seka Bondo	i	4					
	Siany	i	6					
	Sugar Research	i	10	Sugar				
	Ugambe Valley	i	24					
	Utonga Bay	i	-					
	Usare	i	-					
	W. Kano Rice Sc.	i	900	Rice/Sugc				
	W. Sewa Awach	i	6	Vegt				
	Wagusu	i	7					
	Wasare	i	164	Rice				
	West Kano	i	887	Rice Cane				
	Aguko	a	0	Vetg				
	Sub Total (irrigation)		6202.5				26150	

N.B. i: small holder irrigation scheme  
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a: abandon



List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
<b>630</b>	<b>Siaya</b>							
	Abayo	i	2.5		L.Nzoia/Bunyala Extension	i	10480	Rice, Cotton, Maize
	Achuodho	i	-		Smallholders	i	0	Food
	Adhola Minor	i	-		Usia Masamba	i	0	Vegt
	Aduwa	i	-	Vegt	Yala II	i	0	Food Vegt
	Anyiko Ext	i	12	Rice				
	Anyiko Rice	i	9	Rice				
	Aram	i	-					
	Awuoyo	i	-	Vegt				
	Cluster Of 4 Sch.	i	4	Vegt				
	Cluster Of 6 Sch.	i	6	Vegt				
	Cluster Of 8	i	8	Vegt				
	Cluster(Nyandusi)	i	5	Vegt				
	Cluster(Ugambe)	i	25	Vegt				
	Deye	i	2.5	Vegt				
	Gangu	i	2					
	Gemro	i	2.5					
	Got Kondoro	i	1	Vegt				
	Kale	i	-					
	Kamaganda	i	-					
	Kamgua	i	-					
	Kesenyio	i	-					
	Kinda	i	-					
	Kinda Horticulture	i	1					
	Kokise	i	6					
	Kolo	i	8					
	Kowino	i	-					
	Lihaga	i	-					
	Likungu	i	0	Vegt Food				
	Linkungu	i	-					
	Lisuka	i	4.5	Vegt				
	Magawa	i	4					
	Magombe	i	-					
	Mamasafi	i	-	Vegt				
	Manywanda	i	-					
	Mwaha	i	-	Vegt				
	Ndwara	i	-					
	Nina	i	-					
	Niyamahaya	i	-	Rice				
	Nyandusi	i	5	Rice				
	Nyangcra	i	1	Vegt				
	Ochaya	i	5	Vegt				
	Odongo	i	-					
	Ogut Kodero	i	4					
	Okanda	i	1.5					
	Oswero	i	-					
	Otere Giga Green Valley	i	-					
	Pinywuoro	i	-					
	Rarieda	i	1.5					
	Sinyanya	i	5	Vegt				
	Tumbo	i	-					
	Ugambe	i	24	Vegt				
	Usiya	i	-	Vegt				
	Wagusu	i	7	Vegt				
	Wayende	i	0	Vegt				
	Yakomolo	i	-					
	Yala i	i	20	Food Vegt				
	Yiro	i	-					
	Sub Total (irrigation)		177				10480	
<b>640</b>	<b>South Nyanza</b>							
	Alego Women	i	-		Kimira	i	2000	Rice
	Atiend/ Nyokal	i	-		Lower Kuja	i	1900	Maize, Groundnuts Pulses, Cotton
	Got Kokech	i	4	Vegt	Oluch	i	200	
	Kandito	i	150	Vegt				
	Kirondo Hort.	i	6	Vegt				
	Konyango Minyere	i	10	Vegt				
	Maugo	i	50	Rice Food				
	Maugo Rice	i	180	Rice				
	Rongo Nyagowa	i	8	Vegt				
	Seka Bondo	i	6	Hort				
	Wagwe	i	1					
	Sub Total (irrigation)		415				4100	

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## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
<b>710</b>	<b>Kajiado</b>							
	Entarara	i	73	Maize, Onions, Tomatoes	Lower Ewaso 'Ngiro	i	10000	
	Ewasokedong	i	8	Food	Ewasongiro	i	0	
	Illasitent	i	73	Food Vegt	Ngunuman Pi.	i	0	
	Isinet	i	73	Food Vegt				
	Kimani Tikondo	i	320	Food Vegt				
	Kisanjani	i	122	Food Vegt				
	Langata Oloo	i	65	Food Vegt				
	Lowertikondo	i	49	Food Vegt				
	Mongoine	i	16	Vegetables				
	Namanga	i	20					
	Namelok	i	250	Vegt				
	Nguruman	i	78	Food Vegt				
	Olchoro	i	8	Vegetables				
	Olorika	i	520	Maize Onions				
	Pagasi	i	12					
	Rombo a	i	160	Vegt Food				
	Rombo Phi	i	60	Vegt Food				
	Sinet	i	97	Vegt				
	Upper Tikondo	i	132	Vegt				
	Private Scheme	i	16	veget./fruits				
	Sub Total (irrigation)		2152				10000	
<b>730</b>	<b>Laikipla</b>							
	Kiamariga	i	40	Food Vegt	Nyakairo	i	100	
	Matanya	i	20	Food Vegt	Nyariginu	i	125	
	Mia Moja	i	140	Food Vegt	Sirimon	i	62	Food Vegt Napi
	New Mutaro	i	145	Food Vegt	Wiyumiriric	i	120	
	Ngobit	i	104					
	Thome	i	23					
	Individual Farms	i	126					
	Sub Total (irrigation)		598				407	
	Manura	d	250	Vegt				
	Rumuruti	d	500	Food				
	Sub Total (drainage)		750					
<b>740</b>	<b>Nakuru</b>							
	Lari Wendani	i	32	Food Vegt				
	Individual Farms	i	117					
	Private Scheme	i	3460	veget./fruits				
	Sub Total (irrigation)		3609					
	Sub Total (drainage)				Njoro	d	200	
							200	
<b>750</b>	<b>Narok</b>							
	Kanunga	i	30	Food Vegt Bana				
	Maji Moto	i	10	Onions Tomatoes Maize				
	Meruyu	i	40	Maize Beans Tomatoes				
	Narosura	i	60	Food Vegt				
	Ngare Nguswe	i	15	Food Vegt				
	Oloroit	i	5					
	Siyabei	i	5	Food Vegt				
	Individual Farms	i	4					
	Private Scheme	i	8	veget./fruits				
	Sub Total (irrigation)		177					
<b>760</b>	<b>Trans Nzoia</b>							
	Individual Farms	i	117					
	Private Scheme	i	124	veget./fruits				
	Sub Total (irrigation)		390					
<b>770</b>	<b>Uasin Gishu</b>							
	Private Scheme	i	8		Kapronto	i	85	
	Sub Total (irrigation)		8		Sumbut (Mile 13)	i	250	
							335	
	Kamagut	d	1700	Food Hort Graz	Cheptiret	d	19000	Food Graz
	Lelmolok	d	160	Food Graz/Hort	Elgeyo Bord	d	1400	Food Graz
	Moi Univer. Farm	d	120	Food Graz Demo	Gatonye	d	600	Food Graz
					Kaptagat	d	700	Food Graz
					Kimum	d	5000	Foodgraz/Hort
					Kiplombe	d	4400	Food Graz
					Kipsangui	d	3500	Food Graz
	Sub Total (drainage)		1980				34600	0

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## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
<b>810</b>	<b>Baringo</b>							
	Arabel	i	10	Food	Kaplenikoi	i	0	
	Barpello	i	4	Vegt	Kerio	i	0	
	Barwesa	i	32	Food Vegt. Banana	Kerio Downst	i	0	
	Barwesa Ti	i	20	Citrus,Beans,Vegetables	Lake Baringo	i	0	
	Barweza	i	20	Fo/Veg	Salabani	i	31	Food
	Chebinyinyi	i	0	Food				
	Chemeron	i	112	Food				
	Eldume/Kaile	i	15	Food				
	Eldume/Nolar	i	100	Food Vegt				
	Emsos	i	24	Food				
	Endao	i	50	Food				
	Kamnong	i	8					
	Kamoskoi	i	40	Food				
	Kapkuikui	i	25	Food Bana				
	Kaptombes	i	23	Food Vegt				
	Kibingor	i	45	Food Vegt				
	Koboi	i	80	Food Vegt				
	Laropil	i	40	Food				
	Loboi Pilot	i	20	Tree Bana				
	Loiminang	i	35	Food Vegt				
	Loropil	i	40	Food				
	Losekem	i	30	Food				
	Lugumgum	i	20	Food				
	Maji Moto	i	0	Maize,Vegetables				
	Mukutani	i	28	Food				
	Ndao	i	50	Food				
	Ngambo	i	20	Food				
	Ngarua	i	10	Food				
	Pererra	i	280	Vegt Food				
	Rugus	i	20	Food Vegt				
	Sandai	i	90	Food				
	Sindaan	i	30	Food				
	Tirion	i	15	Food Vegt				
	Individual Farms	i	3					
	Sub Total (irrigation)		1339				31	
<b>820</b>	<b>Elgeyo Marakwet</b>							
	Arror Pilot	i	30		Arror	i	1340	Banana, Cassava, Finger Millet
	Biyaa	i	101					
	Chebangang	i	20	Fo/Veg				
	Cheber	i	16					
	Chebilat	i	24	Fo/Veg				
	Cheletum	i	22	Fo/Veg				
	Chemengir	i	22	Fo/Veg				
	Chemeron	i	23	Fo/Veg				
	Cheser	i	12					
	Chesoi Canal	i	0	Vegs,Pulses,Fruits,Bana				
	Embolot Riv.	i	30	Food Bana Citr				
	Enou River	i	5	Food				
	Kabargichar	i	43	Bana,Pulses,Food				
	Kabarsumba	i	48	Fo/Veg				
	Kaben	i	94	Fo/Veg				
	Kabulwa	i	5	Food Bana				
	Kachebo Chelanga	i	27	Bana,Fruits,Food				
	Kachemat	i	14	Bana,Pulses,Food Crops				
	Kachepekeh	i	16	Bana,Fruits,Food				
	Kachepkole	i	32	Bana,Fruits,Food				
	Kajerutich	i	34	Bana,Pulses,Food Crops				
	Kajesekeero	i	37	Bana,Pulses,Food Crops				
	Kakaino	i	14	Bana,Fruits,Food				
	Kakibos	i	26	Bana,Fruits,Food				
	Kakisoo	i	44	Bana,Pulses,Food Crops				
	Kakurong	i	27	Fo/Veg				
	Kalotok	i	22	Bana,Fruits,Food				
	Kamailo	i	25	Bana,Fruits,Food				
	Kamakirar	i	22	Bana,Fruits,Food				
	Kamariiny	i	200	Food Bana Pulses				
	Kamichan	i	44	Bana,Pulses,Food Crops				
	Kapchebar	i	20	Fo/Veg				
	Kapchelimo	i	20	Bana,Fruits,Food				
	Kapchepeka	i	14	Fo/Veg				
	Kapchesek	i	170	Bana,Pulses,Food				

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## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
	Kapchesum	i	16	Fo/Veg				
	Kapkarnak	i	42					
	Kapnworu	i	10	Bana,Fruits,Food				
	Kapsiren	i	43	Fo/Veg				
	Kapsogom	i	55	Bana,Fruits,Food				
	Kapsyoi	i	64	Fo/Veg				
	Kaptawas	i	25	Bana,Fruits,Food				
	Kapteroke	i	68	Fo/Veg				
	Kapterik	i	64	Bana,Fruits,Food				
	Kaptui	i	12					
	Karel	i	36					
	Karelach	i	1	Fo/Veg				
	Kasagur	i	130	Bana,Fruits,Food				
	Kasakut	i	93	Fo/Veg				
	Kasike	i	33	Bana				
	Katapseron	i	0					
	Katleny	i	406	Bana,Fruits,Food				
	Kayegon	i	16					
	Kayetton	i	14	Bana,Fruits,Food				
	Kimanantainy	i	126	Fo/Veg				
	Kipkat	i	15					
	Kipkeseyi	i	18	Fo/Veg				
	Kiptalim	i	428	Bana,Fruits,Food				
	Kiptines	i	137	Fo/Veg				
	Kiserowon	i	27	Fo/Veg				
	Kobil	i	77	Bana,Fruits,Food				
	Komoiyo	i	40	Bana,Fruits,Food				
	Korom	i	115					
	Korpoman	i	23	Fo/Veg				
	Kwenoi	i	43					
	Marich	i	42	Fo/Veg				
	Meyen	i	48	Fo/Veg				
	Moiyoi	i	42	Bana,Pulses,Foodcrops				
	Nawiya	i	30	Fo/Veg				
	Pilot Sprinkler	i	40					
	Sagat	i	27	Fo/Veg				
	Seken (Emen)	i	123	Fo/Veg				
	Shaban Kapterik	i	108	Fo/Veg				
	Shabar	i	19	Fo/Veg				
	Siaban	i	102	Bana,Fruits,Food				
	Sikot	i	95	Fo/Veg				
	Simat	i	10					
	Tenyer	i	191					
	Tot Pilot	i	60	Citr,Vegt,Cott,Pulses				
	Sub Total (irrigation)		4417				1340	
<b>830</b>	<b>Nandi</b>							
	Individual Farms	i	2					
	Sub Total (irrigation)		2					
<b>840</b>	<b>Samburu</b>							
	Amaya	i	20	Food Vegt	South Horr	i	20	Food Vegt
	Sub Total (irrigation)		20				20	
<b>850</b>	<b>Turukana</b>							
	Elelea	i	76	Sorg Maiz Suwl	Lokorkor	i	0	Sorgum
	Juluk	i	80	Sorg Maiz Suwl	Turkwell	i	600	Cotton, Maize, Beans
	Kaikorongole	i	25	Sorg Date Citr Maiz,G/Grams				
	Katifu	i	210	Sorg Maiz Citr,G/Grams,Cotton				
	Kerio Delta	i	40	Sorg				
	Lokwii	i	70	Sorg Maiz Suwl				
	Loltubai	i	106	Food				
	Loyapat	i	20	Sorg Maiz Suwl				
	Morulem	i	85	Sorg Maiz Suwl				
	Nadooto	i	100	Sorg Maize				
	Nakwamoru	i	100	Sorg Maiz Citr				
	Sub Total (irrigation)		912				600	
<b>860</b>	<b>West Pokot</b>							
	Amat	i	100	Food	Amolem Is	i	45	Food
	Chebarwasa	i	200	Food	Enoch	i	44	Food
	Chemirimir	i	120	Food	Sigor Agri	i	100	Food
	Chemosos	i	55	Food	Wakorr	i	4	Food
	Chemruto	i	50	Food				
	Cheptera	i	16	Sorg Maiz				
	Choror	i	18					
	Ghogho Furr	i	30	Food Vegt				

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a: abandon

## List of Existing and Proposed Irrigation and Drainage Scheme

Existing/On-going Scheme					Proposed/Planned Scheme			
District	Name	Type	Area (ha)	Crops	Name	Type	Area (ha)	Crops
	Horticulture	i	240	Vegt				
	Ipeet Furrow	i	80	Sorghum, Maize, Millet				
	Karapogh	i	20	Food				
	Ketpowas	i	30	Food				
	Kiswa	i	65	Food				
	Kitapes	i	50	Food				
	Kochy	i	10	Food				
	Kodich Cher	i	24	Food				
	Kokwonaesses	i		Food				
	Lokemara	i	30	Food				
	Lomut	i	20	Food Vegt Cott				
	Marion	i		Food				
	Mochoin	i	6	Food				
	Mokwo	i	25	Food				
	Morun	i	0	Food				
	Murel	i	50	Food				
	Ortum	i	0	Food Vegt				
	Orwa	i	10	Food				
	Parayou	i	40	Food				
	Parkino	i		Food				
	Paro Furrow	i	0	Maize Sorg, Millet				
	Piroor	i		Food				
	Protou	i	80	Maize, Millet, Sorghum				
	Sankat	i	100	Maize Bana, Sugar				
	Sebit	i	2	Cabbage, Tomatoes, Fruits				
	Seka	i	20	Fo/Veg				
	Sidagh	i	50	Food				
	Sigor Pilot	i	80	Food Vegt Sagur				
	Sitat	i		Food				
	Tamkal	i	0	Food Vegt Bana				
	Umbogh	i	20	Food				
	Individual Farms	i	2					
	Welwel	i	1000	Sorghum, Maize, Fruits				
	Sub Total (irrigation)		2788				48	
<b>910</b>	<b>Bungoma</b>							
	Bungoma Ftc	i	4	Hort/food Crops	Kanduyi Child Home	i	5	Horticultural Crops
	Kamusinde	i	80	Horticultural Crop	Sioya	i	150	Rice /Hort Crops
	Kibisi	i	240		Upper Nzoia	i	7550	Fruits, Maize
	Sub Total (irrigation)		324				7705	
	Bumula	d	18	Food	Kanduyi	d	0	Rice Food
	Kibisi S.S.	d	40	Food	Lelekwwe	d	80	Food
	Kimwanga	d	10	Food				
	Kuyiwa	d	10	Food				
	Mabuzi R.	d	20	Food				
	Sub Total (drainage)		98				80	
<b>920</b>	<b>Busia</b>							
	Bumayanga	i	-		Bukangasi	i	235	Rice Vegt
	Bunyala	i	213	Rice	Bumayenga	i	50	Vegt
	Kamasali	i	-		Magombe	i	8	Vegt
	Magombe	i	40		Mudembi	i	60	Rice Cott Food
	Mayenje	i	20	Rice	Up'R Nzoia	i	0	Food
	Siamungu	i	60	Food	Yala Swamp	i	7000	Rice, Maize
	Sisenye	i	17	Vegt Citr Food				
	Individual Farms	i	4					
	Sub Total (irrigation)		354				7353	
	Mayenje Dr.	d	55	Food	Nambale Dr.	d	162	
	Nzoia Fpp	d	1400					
	Sub Total (drainage)		2643				162	
<b>930</b>	<b>Kakamega</b>							
	Chekalini	i	3	Horticulture	Bukura Inst.	i	2.5	Hort
	Mulinya H. Farm	i	2	Horticulture				
	Sub Total (irrigation)		5				2.5	
	Sub Total (drainage)				Drainage Proj.	d	20	
					Mumias Drain	d	80	Food
							100	
	Total Irrigation		60,608ha				119,522 ha	
	Total Drainage		6,470 ha				36,592 ha	

N.B. i: small holder irrigation scheme  
d: drainage scheme  
a: abandon

