#### APPENDIX C

# AGRICULTURAL PRODUCE, COST, AND TOTAL INCOME OF SELECTED FARMERS

C.001 In the Phase I Study, a field survey on agricultural yield and cost particularly focusing on farmers' income was conducted from July 17 to August 10, 1978. The results are shown on Table C.1.

C.002 The problem which we face in deciding the shadow wage rate is how we estimate the value of marginal products of labor. Although these data on Table C.1. are not considered sufficient, it can be estimated that marginal products per worker is approximately JD 4 to 5 per day, on the basis of the figures of farmers' net income including the wage of seasonal labor, which is almost equal to the wage of unskilled worker in factories in Jordan.

Table C.1 Agricultural Products, Cost, and Total Income of Selected Farmers in the Study Area, 1978

							:unIt:	(מר
Farmer HH No.	Crops	Hectare	Gross Income from Crops	Cost	Animal Heads Farming	Net Income from Animal Farming	Total Net Agricultural In Income	Net Non-Agri. Income/Month
i.	Olive	1.9	1,000	207		1	793	70
	Olive Wheat Vetch Lentil	10.0	1,500	502 356	Cow 4 Chicken 20	00 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	1,915	55
en en		1	ı	i	Broiler 1,500	1,080 Net	1,080	70
4.	Olive Almond Grape	12.7	1,718 260 225	893	Horse 1 Cow 2 Mule 2	1001	1,410	200
·	Olive Pomegranate Wheat	5.0 te 0.8 15.0	844 400 1,000	366 - 219	Chicken 6	The second	1,659	100
	Pomegranate Olive	te 0.3	100	15 477	Chicken 20 Turkey 5 Cow 1	100	1,270	120
7	Pomegranate Olive (new)	te 0.8 (w) 1.4	140	108	Sheep 145 Goat 1	1,000	2,323	220
œ.	Olive (new)	w) 10	766	573	Broiler 45,000	2,550	2,743	1
0	Olive Wheat	4 15	625 272	281 1,315	Cow 1 Chicken 10	100 100 100 100 100 100 100 100 100 100	A465	1 1
							(to c	continue)

Farmer HH No.	Crops	Hectare	Gross Income from Crops	Cost	Animal Heads Farming	a d S	Net Income from Animal Farming	Total Net Agricultural Income	Net Non-Agri. Income/Month
·	Lentíl Barley	2 0.2	260 23	138	Pigeon	15	1 v		1
10.	Olive (new) Pomegranate	1.2	75	ω ω	Sheep Chicken Turkey Pigeon Donkey	8 10 3 16 pairs	50	257	100
<b>.</b>	Olive Pomegranate Wheat Barley Vetch Lentil	m n a a a	813 150 1,020 201 115 287	387 181 42 52 145				1,779	
12.	Olive Wheat Lentil Vetch Watermelon	0 8 4 0 7 7 7 . V . V . V . V . V . V . V . V .	859 1,000 290 201 6,500	404 357 136 61 2,475	1 1:		1 1	5,417	255
13.	Olive Plum tree Wheat Lentil	300 1.2 1.4 0.3	625 200 260 152 60	249 118 115 20	Horse Cow Pigeon Chicken	7 7 7 7 7	н	796	112
14.	Olive (new) Grape	۲. ک د	1 1	90 20			1	Δ110	240
								(to 0	continue)

						•	
Net Non-Agri. Income/Month	<b>1</b>	720	55	1 · · · · ·	1		continue)
Total Net Agricultural Income	190	634	1,773	913	219	405	(to
Net Income from Animal Farming	1	30	ı	1,000	1 1 2	1,000	.10
sads		15		100		100 10 3	1 2 1
Animal Heads Farming	f	Sheep Goat	ſ	Sheep Chicken		Sheep Goat Cow	Chicken
Cost	155 20 10	185 320 485	300 313 730 224	15 158 15	322 74 74 28	1,150 215 140	
Gross Income from Crops	180 120 75	94 640 710	1,000 1,280 960 100	112	375 240 4	00 00 1	
Hectare	000.5	3.5	10 11 10 7	4224	300 100 100 3.5 20.5	0.6 12 13	
Crops He	Olive (new) Apple Grape	Olive (new) Wheat Lentil	Olive Wheat Lentil Watermelon	Olive (new) Wheat Lentil Vetch	•	watermelon Wheat Lentil Vetch	
Farmer HH No.	15.	16.	17.	18.	19.	20.	

					·						
Agrí. onth			·								
Net Non-Agri Income/Month				100	909	1 .	100	38	09		
Total Net Agricultural Income	2,445	∆341	208	80	767	1,037	505	7146	56		
Net Income from Animal Farming	<b>1</b>	ı	ı	i	<b>3</b>	t ·	100	1	ı.		
Animal Heads Farming	1	1	i	1	I	i	Cow 3	Donkey 2	Donkey 2		
Cost	288	1,141	158	222	16 93 81	141 946 969	300	146	93	36 36	œ
Gross Income from Crops	748 2,160	800	118	240	1 . 40 . 56	313 980 1,800	705	i	100	& & & &	m
Hectare	7.5		7.5	1.2	0.4	0.8 30.5 10.5	10	25	0.7	0.0 2.0	0.3
Crops He	Olive Wheat	Lemon (new) Banana	Olive (new) Wheat	Wheat Lentil	Olive (new) Wheat Lentil	Olive Wheat Lentil	Wheat	Olive (new)	Olive (new) Grape (new tree)	Wheat	Sweet
Farmer HH No.	21.	22.	23.	24.	25.	26.	27.	28.	29.		

Net Non-Agri. Income/Month	50	9 .	t ·	120	169 continue)
Total Net Agricultural Income	521	166	943	7 20	556
Net Income from Animal Farming	1	500	1		
ads		7 7 8 8 7 8 8 7 9	<b>-</b>	<b>\odol</b>	
Animal Heads Farming	1 .	Goat Cow Chicken Donkey	Horse	Chicken	
Cost	42 229 44	43 175	454	10 5	248 196
Gross Income from Crops	125 500 150 }	125 184	600 150 250 400		300
Hectare	0.8 0.2 1.6	5.4	7.9 e)200 s)400 1,500	7) 0.2 0.1 2.8 1,000 e) 350	0.7
Crops	Olive Tomato Cucumber Wheat	Olive (new) Wheat	Olive 7. Apple (tree) 200 Plum (tree) 400 Grape 1,500 (tree) 1,500	Olive (new) 0 Wheat 0 Olive 2 Grape 1,000 (tree) Apple (tree) 350 Orange 74	Olive Grape
Farmer HH No.	30.	31.	32.	34.	35.

							i
Net Non-Agri. Income/Month	. 65	14,090	150	1	1	67	1
Total Net Agricultural Income	009	13,400	23,745	9,425	4,050	410	4,197
Net Income from Animal Farming	I	1,400 12,000 13,400	23,760	<del>.</del>	t	100	1
Animal Heads Farming		Cow 35,653 (Holistine) Milk	Egg 1,000 Hen	Chicken 15	Horse 1 Chicken 25	Goat 20 Chicken 15	Cow
Cost	480		5	the section	120 80 4,250	340	613
Gross Income from Crops	330 }		New	} 7,000	500	500 100 50	4,000 1,000 300
Hectare	4.1		(tree) 0.3 (tree) 33 .ree) 15	. <b>.</b>	w) 2 3 3 8 8 8	4 H O 7. v.	4 2 12
Crops	Olive Grape (tree)		Olive (tre Grape (tre Fig (tree)	Tomato Cabbage Egg Plant Green-bean	Olive Olive (new) Cucumber Lettuce Pepper Tomato	Olive Apple Grape	Olive Tomato Wheat
Farmer HH No.	36.	37.	38.	.99.	40.	41.	42.

šri. ith								
Net Non-Agri Income/Month	ı		1,000	100		20	576	continue)
Total Net Agricultural Income	360	234	040	89	454	760	09	(to
Net Income from Animal Farming	60 200 _	200	200	ì	200		100	
Heads	10 10 10	0 1 1 1 1 1 1 1	10		10 70		8 H Z E	
Animal He Farming	Sheep Cow Chicken	Goat Donkey Cow Chicken	Cow Chicken	. i	Sheep Cow Chicken	1	Goat Cow Chicken Donkey	
Cost	40	24 182	25 265	32	75 65 175 73 44	240	220 40 32	18
Gross Income from Crops	140	180	50	100	- 450 120 40 16	500 400 100	130 10 40 20 20	<u>`</u> ∞
Hectare	8.0	Н 9	0.3	0.2	8 2 3 1 1 2 2 3	1.8	118 108 100 100 140	0.2
		(new)	(new)	(new)	(new)		tree) l	
Crops	Wheat	Grape ( Wheat	Olive (new) Wheat	Olive (new)	Olive (new) Grape Wheat Barley Vetch	Apple Olive Grape	Olive (tree) 120 Grape 18 Apple tree 10 Wheat 0	Barley Lentil
Farmer HH No.	43.	. 44.	45.	46.	47.	48	. 64	

HH No.	Crops	Hectare	Gross Income from Crops	Cost	Animal He Farming	Heads	Net Income from Animal Farming	Total Net Agricultural Income	Net Non-Agri. Income/Month
50.	Olive Almond tree	50	200	289	Donkey Horse Cow	172	100	311	240/year
51.	Olive (new) Wheat Barley	2.5	50 260 82	76 90 37	Horse Chicken	10		189	1,000/year
52.	Olive (new) Wheat Vetch Barley Broad bean	2.8 2.0.4 0.11	1 1 1 1 4	75 130 13 11 11	Chicken	100	1	Δ218	2,000/year
53.	Olive G.ape Wheat Lentil Vetch Chickbean	50 0.2 0.2 0.2 0.2	400 50 72 9 73 36	266 45 17 169	Donkey Horse Cow Chicken	71 H H	1100	327	
54.	Olive Wheat Lentil Vetch	0.5 1.5 1.5	- 40 - 17	28 4 1 8 8 5 4 9	Goat Donkey Chicken	917	811	88 ∇1	55
55.	Olive Wheat Barley (bad year)	6.0	90 54 70	30 210 166	Sheep Donkey Chicken	20 2 20	100	795	55

Farmer HH No.	Crops	Hectare	Gross Income from Crops	Cost	Animal Heads Farming	ads	Net Income from Animal Farming	Total Net Agricultural Income	Net Non-Agri. Income/Month
56.	Olive (new) Wheat Barley	5.83	32	4 4 4 3 1 6 3 5 6 3	Sheep Goat Donkey Chicken	97	0861	Δ17	850/year
57.	Wheat Lentil Vetch	100	790 345 90	161 180 675				209	59
. 88	Olive 1 Grape (tree) 400 Wheat 6 Lentil 0 Vetch 2 Barley 1	1.8 400 6 0.5 1	50 100 470 8 86 75	49 199 25 90 41	Sheep Donkey Cow Chicken	0322	100	515	1 .
59.	Olive Grape (tree) 500 Wheat	. 10	new planted 200 16	32	Sheep Goat Donkey	14 14	100	264	100
. 09	Olive Grape Fig Almond Wheat	200 10	2,600	411	Donkey Chicken	1.51	1 .	2,004	1,500/year
61.	Olive Grape (tree) 300 Wheat 10 Vetch 1	2 300 10 1	100 50 208 44	43 190 37	Sheep Donkey Cow Chicken	11 2 15	80 - 200	412	100

ਜ਼ ਫ਼ ।						
Net Non-Agri Income/Month	600/year	560/year	200	1	800/year	40
Total Net Agricultural Income	1,317	688 8	789	898	3,715	371
Net Income from Animal Farming	20 100 pairs			100		f
Heads	2 2 2 4 2 2 4 p.a.			<del></del> 1		H
Animal He Farming	Goat Cow Pigeon			Cow		Horse
Cost	57 68 158 by Jordan Tobacco Company	111 120 by Joradn Tobacco Company	37 32 67 70	12 65 120 35	1,150 120 225 160	128 - 96
Gross Income from Crops	00000	320 160 140 by	300 160 130 300	150 400 300 150	3,400 650 320 1,000	150
Hectare	មុខ្មែក ស្សំសំសំ	4.4.5 5.5	2.5 2.5 2.5 2.5	2.2.2.	24 6.6.6. 6.6.6.	1.6 30 1.2
Crops	Olive Wheat Lentil Tobacco	Wheat Lentil Tobacco	Olive Wheat Lentil Watermelon	Olive Wheat Lentil Watermelon	Olive Wheat Lentil Watermelon	Olive Grape tree Wheat
Farmer HH No.	62.	63.	. 49		. 99	67.

-Agri. Month			0	/year	St.	4
Net Non-Agri Income/Month		120	230	1,120/year	14	79
Total Net Agricultural Income		853	8∇	850	187	748
Net Income from Animal Farming		00 1	t 1 1	t	T T	
Heads		01 4	151	20		55
Animal He Farming		Sheep Horse Chicken	Donkey Horse Chicken	Donkey Chicken	Donkey Horse Chicken	Chicken
Cost	81 54 108	124 - 115 105 28	953 23	169 92 246 100	5 5 5 5 5 5	175 53 160
Gross Income from Crops	122 175 170	100 45 480 400 150	300 9	325 172 860 100	150 120 56	new planted 190 150
Hectare	11.2	1.5 (e) 40 (e) 40 1.5 1.5	1.5 1,000 0.4	2 4 1 1 2	0.3	40.1 8.1
Crops	Barley Bean Watermelon Cucumber	Olive Grape (tree) Almond (tree Wheat Watermelon	Olive Grape 1 (tree) Wheat	Olive Lentil Vetch Watermelon	Olive Wheat Barley	Olive Wheat Watermelon
Farmer HH. No.		89	.69	70.	71.	72.

Net Non-Agri. Income/Month	2,500/year	200	2,000/year	192/year	800/year	500/year	36	tinue)
Total Net Ne Agricultural Ir Income	35	321	28,837	413	970	1,035	335	(to continue
 Net Income from Animal Farming	300	Ч.	8,100 20,650	1 50	200 pairs -	100	10	
Heads	3 20	<b>6</b>	34 56 )	0 H	2 30 pa	7 T T C	0.01	
Animal He Farming	Cow	Chicken	Cow Chicken (Broiler	Goat Donkey	Cow Pigeon	Goat Cow Chicken	Goat Chicken	
Cost	65 127 183 90	83 24 16	හි - ස	65	100 90 60	170 136 49 25 145	230	
Gross Income from Crops	new planted 330 370 300	new planted 420 40	120	300	360 160 500	800 280 70 300	500 30 30 20	
Hectare	0.4 2.3 1.3	23 1.8 0.2	H	0.3	2.7	44000	2 30 30 0.6	
Crops	Olive Wheat Lentil Watermelon	Olive Watermelon S. Melon	Wheat	Olive Watermelon	Olive Wheat Watermelon	Olive Wheat Barley Vetch Watermelon	Olive Grape (tree) Almond (tree) Barley	
Farmer HH No.	73.	74.	75.	76.	77.	78.	79.	

Net Non-Agri. Income/Month	1,320/year	456/year	1	1	1,140/year	I,000/year	i	•	continue)
Total Net Agricultural Income	282	∆146	1,861	Δ225	1,815	∆45	897	25,170	(10
Net Income from Animal Farming	200	ì	100	100	100 1,500	f	100	20,000	
Heads	нею	7	<del></del>	20 20 20	3,000		16 500	3,000	
Animal H Farming	Donkey Cow Chicken	Donkey	Cow	Sheep Goat Chicken	Cow Broiler	· <b>1</b>	Goar Broiler	Sheep 3	
Cost	44 19 26 17	146	475 82 82	200	ເດ ເດ	20	35 17 12	1,400 375 155 2,320	580
Gross Income from Crops	105 20 33 30	new planted	1,500 300 600	1.1	250	. 1	100 120 41	000	2,000
Hectare	0.8	2.5	0.5	20	7	2 5	H 4 H	10 35 35 58	2
Crops	Wheat Barley Vetch Cucumber	Olive	Tomato Cabbage Cucumber	Wheat Barley	Olive (new)	Olive (new) Wheat	Olive Wheat Barley	Olive (new) Wheat Barley Tomato	Cucumber
Farmer HH No.	80.	81.	82.	83.	84.	85.	. 98	87.	

Agri. Month					t.			
Net Non-Agri Income/Month	5.5	80	30	I	<b>9</b> 9.	<b>1</b> .	1,600	- continue
Total Net Agricultural Income	V 6 Δ	040	∆120	2,722	Δ605	42	227	1,751
Net Income from Animal Farming	00411	<b>!</b>	1	300	. <b>1</b>	60 40 1	200	1
leads	17 10 10			40 165 5 30		50 4 6	30 8 15	ω
Animal Heads Farming	Sheep Goat Donkey Chicken	<b>t</b>	f- 	Sheep Goat Camel Chicken	1	Sheep Goat Chicken	Sheep Goat Chicken	Chicken
Cost	100 77 20	19	240	1,725 5,407 2,824 622	200 280 280 6,850 2,425	37 80 21	37	916
Gross Income from Crops	new planted no production	no production	120	no production 1,725 1,400 5,407 8,400 2,824 2,000 622	1,700 1,600 no production 2,000 5,000 no production	no production 80 no production	no production	2,375
Hectare	2 7 2	3.5	15	150 7 42 1	10 20 20 10 10 5	· H 4 H	4 7 7	2.5
Crops	Olive Wheat Barley	Wheat Barley	Wheat	Wheat Cucumber Tomato Pepper	Olive Wheat Barley Tomato Cucumber	Olive Wheat Barley	Wheat Barley	Tomato Cucumber
Farmer HH No.	88	. 68	.06	91.	92.	93.	94.	95.

Farmer HH No.	Crops	Hectare	Gross Income from Crops	Cost	Animal Heads Farming	ads	Net Income from Animal Farming	Total Net Agricultural Income	Net Non-Agri. Income/Month
. 96	Olive Lemon Lettuce Cabbage Wheat	0.13	400 no production 2,000 no production 80	220 40 840 132	Goat	m M .	00 1	1,278	1
. 76	Olive Lemon Cucumber Squash Pepper Wheat	0000 H H 0000 S H 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	200 40 400 200 200 30	60 15 40 40 20 20	Donkey Cow Chicken	1.1.2	100	943	į
8 6	Citrus Fruit Olive Cucumber Wheat	2.5	840 2,500 1,500 120	825 852 450 40	Frisian Cow	4	057	3,233	3,180/year
. 66	Olive	σ	1,000	641	Donkey	Н		359	1
100.	Olive Wheat Tomato Cucumber Squash Pepper	H Z H Z D O O O O O O O O O O O O O O O O O O	500 120 1,500 200 200	170 56 450 180 60 60	Donkey Cow Chicken	7 H O	100	2,144	
101.	Olive Lemon Tomato Cucumber	1.2	new planted new planted 1,000 1,000	150 61 462 612	Cow	10	100	815	<b>1</b>
				1					

Note: A means minus.

#### APPENDIX D

## UNIT COST FOR TOURISM PROJECTS

## D.1 Unit Cost

D.001 Unit costs for tourism projects have been collected from relevant officials and the World Bank Report on Jerash Project, and all the costs are in 1979 prices. This means that the cost data from the World Bank Report were modified by deflators up to 1979. The results are shown below.

(1)	Accommodation		
	High Class Hotel Middle Calss Hotel Chalet Youth Hostel Pension (redecoration)	JD 8,000/room JD 10,000/unit JD 5,000/room	
	Restaurant Including Parking Spaces		
	High Class Standard Class	JD 2,000/seat JD 1,500/seat	Source: Jerash Development Plan by Ministry of Tourism and Antiquities.
	Parking		
	For Paving For Curve Stone	JD 1.35/m <sup>2</sup> JD 2.20/m	Source: Study Team.
(4)	Garden/Park/ Afforestation	JĎ 10,000/ha	Source: Part II of this report by Study Team.

(to continue)

(5)	Road		
	2 Lanes on Flat Land	JD 358,000/km	Source: Study Team.
	2 Lanes on Gentle Slope Land	JD 465,400/km	
	2 Lanes on Hilly Land	JD 537,000/km	
(6)	Shopping Center	$JD 100/m^2$	Source: Interview.
(7)	Ordinary Building	$JD 70/m^2$	Source: Interview.
(8)	Plaza	JD 20,000/ha	Source: Study Team.
(9)	Auto Camp	JD 13,500/ha	Source: Study Team.
(10)	City Park/Garden	JD 20,000/ha	Source: Part II of this report by Study Team.
(11)	Swimming Pool	JD 25,000/unit	Source: Study Team.
(12)	Arab Village		
	Village House Palace	JD 5,000/unit JD 230/m <sup>2</sup>	Source: Study Team.
	Pedestrian & Carriageway	JD 12.5/m	
(13)	Picnic Spot		
	Parking/Toilets, etc.	JD 400/ha	Source: Study Team.
(14)	Utilities		en e
	Telecommunication/ Water Supply/ Sewage/Solid Disposal	JD 4,200/bed	Source: World Bank Report 1976 and Study Team.

#### APPENDIX E

## PRELIMINARY RESULT OF NOVEMBER 1979 POPULATION CENSUS

E.001 After the end of the Team's main work in Jordan, the latest population Census was held on November 10, 1979 under a conduct of Department of Statistics. Its preliminary result was made available on January 10, 1980. Since it was not available for our use during our Study period, there are some discrepancies between our estimates of population and the preliminary result. Although it is out of our scope of work, the Team tried here to see the possible consequences of this preliminary result on our Study.

E.002 Tables E.1 to E.5 show the major part of the preliminary result of the Census. As seen on Tables most of the discrepancies between the preliminary result and those estimated by the Team in this Report are not significant, the preliminary result being around 5 percent lower than those estimated except one. Only in the case of the population of the Irbid Municipality, the gap between them are wide. If we adopt the preliminary result for our population projection of Irbid Municipality, it will reach 137,230 in 1985, and 152,366 in 2000, which are fairly low as compared with the projection in Chapter II of Part III. Thus, the final result of the Census will have a significant on Chapter II of Part III.

E.003 This is the very crude review of the preliminary result of the latest Census. Although we did not examine all the details and projections concerned, Tables E.1 to E.5 will serve as references for the purpose of elucidating the recent population trends and the differences between our estimates and the preliminary result.

Table E.1 Population by Governorate, East Bank, November 1979

	<u> </u>		(Unit:	Person)
		Population		Share
Governorate	Male	Female	Total	(%)
Amman	622,454	565,296	1,187,750	55.2
Irbid	315,100	296,558	611,658	28.4
Balqa	78,884	72,498	151,382	7.0
Karak	66,201	60,061	126,082	5.9
Ma¹an	42,518	32,883	75,401	3.5
Total	1,124,977	1,027,296	2,152,273	100.0

Source: Department of Statistics, Preliminary Result of Population Census, 1979.

Table E.2 Population in the Study Area, November 1979

	(Uni	t: Person)
	Population Population	· · · · · · · · · · · · · · · · · · ·
Area	No.	Share (%)
Irbid Governorate	611,658	100.0
Outside of Study Area	58,411	9.5
<ul><li>a. Ghor</li><li>b. Eastern Part of Mafraq</li></ul>	44,404 14,007 (estimated)	7.2 2.3
Study Area	553,247	90.5

Source: Same as in Table E.1.

Table E.3 Population by Mutserfieh, Irbid Governorate, 1979

· · · · · · · · · · · · · · · · · · ·		(Unit: Person)
	Pc	pulation
Area	No.	Share (%)
Irbid Governorate	611,658	100.0
Irbid Mutserfieh	324,291	53.0
Ajlun Mutserfieh	54,907	9.0
Jerash Mutserfieh	66,835	10.9
Ramtha Mutserfieh	47,980	7.8
Mafraq Mutserfieh	73,241	12.0
Kura Mutserfieh	44,404	7.3

Source: Same as in Table E.1.

Table E.4 Population by Municipality, Study Area, 1979

		(Unit: Person)
	Po	ppulation
Municipality	No.	Share (%)
Irbid Governorate	611,658	100.0
Irbid Municipality	112,954	18.5
Ramtha Municipality	27,292	4.5
Mafraq Municipality	21,399	3.5
Jerash Municipality	10,105	1.7
Ajlun Municipality	4,551	0.7

Source: Same as in Table E.1.

Table E.5 Estimation of Population in Irbid Expanded, 1979

	<u> </u>	(Unit: Person)
		Population
Area	No.	Share (%)
Irbid	112,954	84.6
Hawara	5,043	3.8
Aidun	4,697	3.5
Bishra	3,992	3.0
Beit Ras	4,630	3.5
Hakama	2,208	1.6
Tota1	133,524	100.0

Source: Same as in Table E.1.

#### APPENDIX F

#### STUDY ORGANIZATION

#### F.1 Contractual Matters

F.001 The technical services for the Regional Development Study of the Northern Jordan by the International Development Center of Japan (IDCJ) are being provided in accordance with the two contracts signed on June 12, 1978 and on July 19, 1979 by the Japan International Cooperation Agency (JICA) and the IDCJ.

F.002 The contract followed the request made by the Government of Jordan to the Japanese Government. The receiving agency in Jordan is the Irbid Urban Regional Planning Group of the Ministry of Municipal, Rural and Environmental Affairs.

#### F.2 Staff

F.003 IDCJ, commissioned by JICA, organized teams comprising government officials and consultants and send them to Jordan. IDCJ contracted to provide 70.8 man months in Jordan. The number of man months contributed by IDCJ and Jpaanese Government Officials are set out in Table F.1.

## F.3 Counterparts

F.004 At the beginning of the Study, the Government of Jordan nominated two professional counterparts. They are:

Dr. Sufyan A. Tell Project Director for the Project, MMRA Dr. Hisham D. Zagha Economist, NPC

Later on, three full-time counterparts were nominated to assist the Team. They are:

Mr. Mohamed Zaghari Urban Planner Mr. Fayez S. Haddad Water Resource

Mr. Tamim Musumal Agricultural Statistician

Then, many in-office counterparts were nominated. Among them, the following officers were particularly helpful in the Phase II Study.

Mr. Ma'nna	Director of Industry, MIT
Mr. Wahbeh	Investment officer, Industrial Development
	Bank
Mr. Shuman	Tourism officer, Ministry of Tourism and
	Antiquity
Mr. Kakish	Highway officer, Ministry of Public Work

Table F.1 Staff Inputs in Jordan

Mission	Name	Responsibility	Man Months in Jordan
Overall	Jiro Kano	Project Manager	0.4
Contact Mission	Keigo Ohkatsu	JICA officer	0.4
	Eiji Nishita	Physical Planning	0.5
	Tsuneaki Yoshida	Water Resource	0.5
	Hiroshi Ueno	Economy, Administration	0.5
Phase I	Jiro Kano	Project Manager	4.5
Main Mission	Koichi Mera	Advisor, Regional Economy	1.0
	Kensuke Yusa	JICA officer	0.6
	Yoshiya Ikeda	JICA officer	0.6
	Shoji Kuramitsu	Agriculture	3.3
	Hideo Tomiyasu	City and Community Facilities	2.1
	Keizo Komori	Power and Telecommunication	1.0
	Eiji Nishita	Housing	1.6
	Tsunenobu Miki	Industry	2.6
	Toshisada Katsurada	Transportation	3.1
	Takeshí Maeda	Tourism	2.1

(to continue)

Mission	Name	Responsibility	Man Months in Jordan
	Takero Ogawa	Tourism	1.7
	Koichi Kaneko	Land Use	4.5
	Hiroko Sato	Population and Labor Force	4.5
	Tsuneaki Yoshida	Water Resource	4.2
. •	Hiroshi Ueno	Economy, Finance and Administration	4.7
Phase I	Sub Total		44.4
Phase II Contact Mission	Jiro Kano	Project Manager	0.9
	Yoshiro Tkehata	Min. of Foreign Affairs officer	0.9
	Tadayuki Kanazawa Tadayuki Kanazawa	Water Supply and Tourism	0.8
	Kenshiro Ori	Transportation	0.8
	Hiroshi Ueno	Industrial Estate	0.9
Phase II	Jiro Kano	Project Manager	1.3
Main Mission	Koichi Mera	Advisor, Regional Economy	0.5
	Eiji Nishita	Industrial Estate	0.9
	Masaru Kaneko	11	1.2
	Masamichi Nakamura	tt	2.5
	Toshisada Katsurada	Highway Project Appraisal	2.5
	Haruo Sakashita	Urban Highway	1.6
	Kenichi Sekine	<b>tt</b>	1.2
	Yoshitaka Akui	Tourism	1.4
	Akio Nakai	п	2.0
	Hirotada Kamiya	H .	2.0

Mission	Name	Responsibility	Man Months in Jordan
Final ' Mission	Jinichiro Yabuta	Urbanization and Tourism	1.9
	Kenshiro Ori	Industrial Project Appraisal	2.5
	Hiroshi Ueno	Deputy, Project Appraisal	1.2
	Jiro Kano	Project Manager	0.5
	Eiji Nishita	Industrial Estate	0.5
	Hirotada Kamiya	Tourism	0.5
	Kenshiro Öri	Urban Highway	0,5
	Hiroshi Ueno	Deputy, Project Appraisal	0.5
Phase	II Sub Total		29.5
Grand	Total		73.9

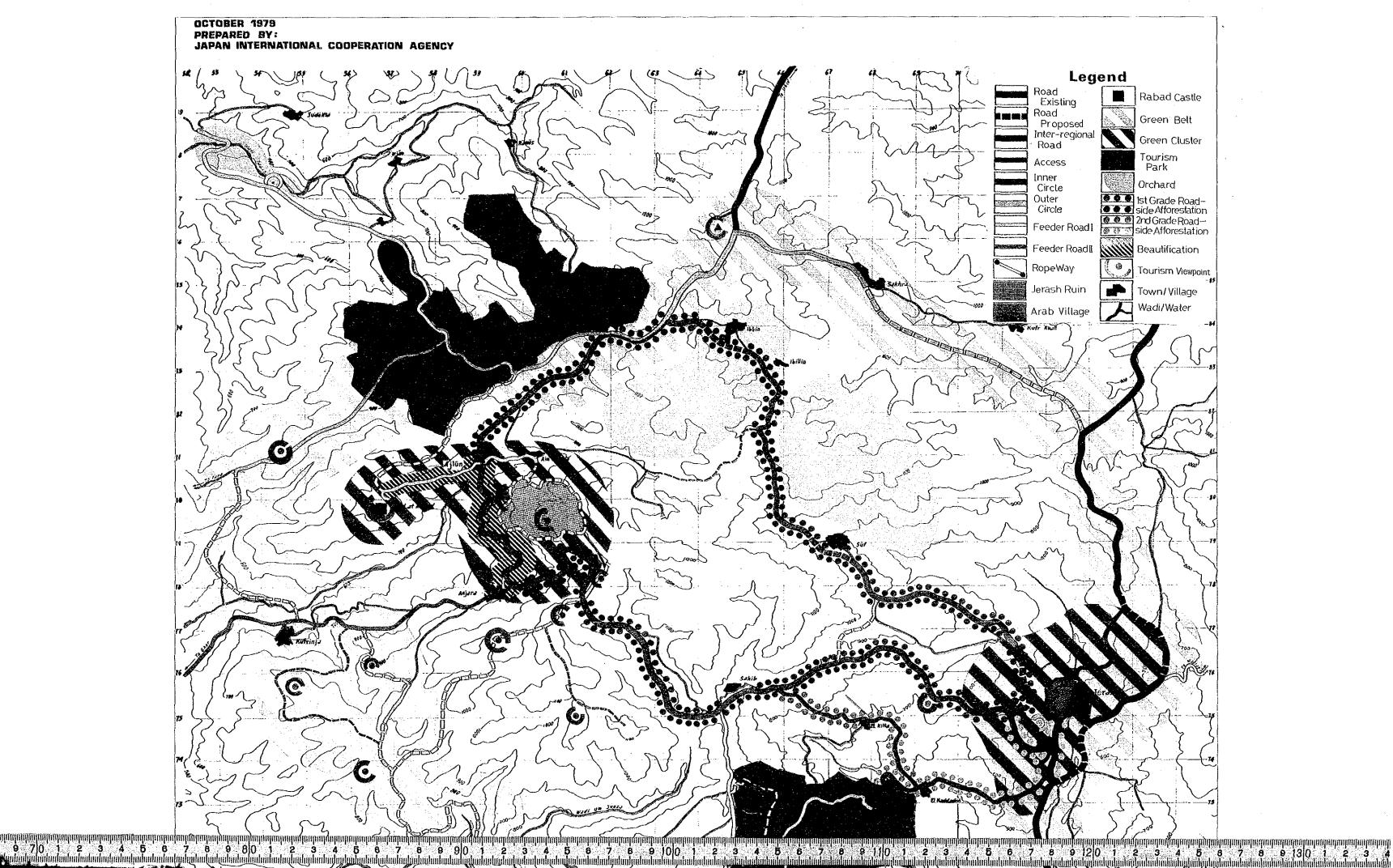
## APPENDIX G

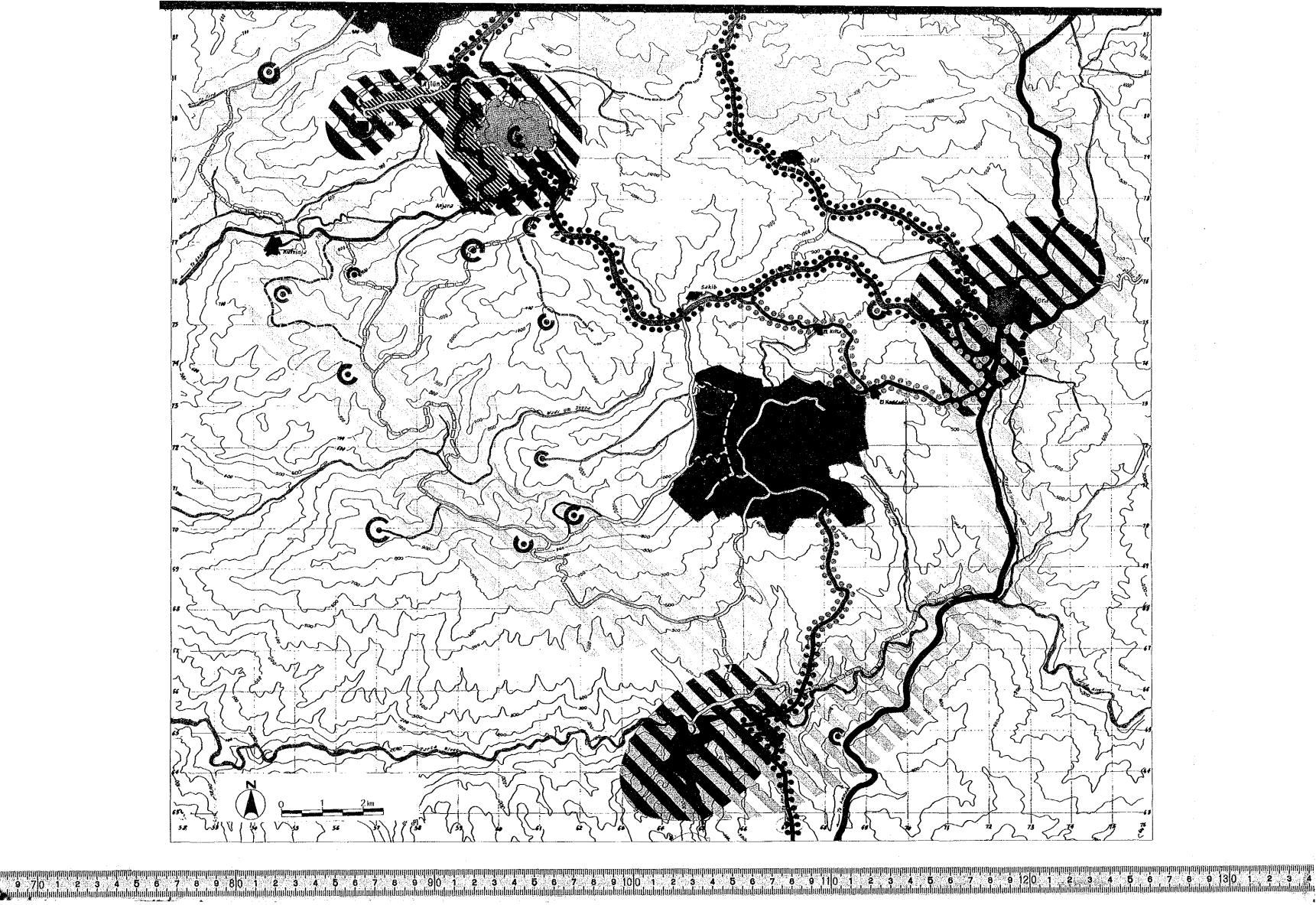
## LIST OF REPORTS AND PAPERS

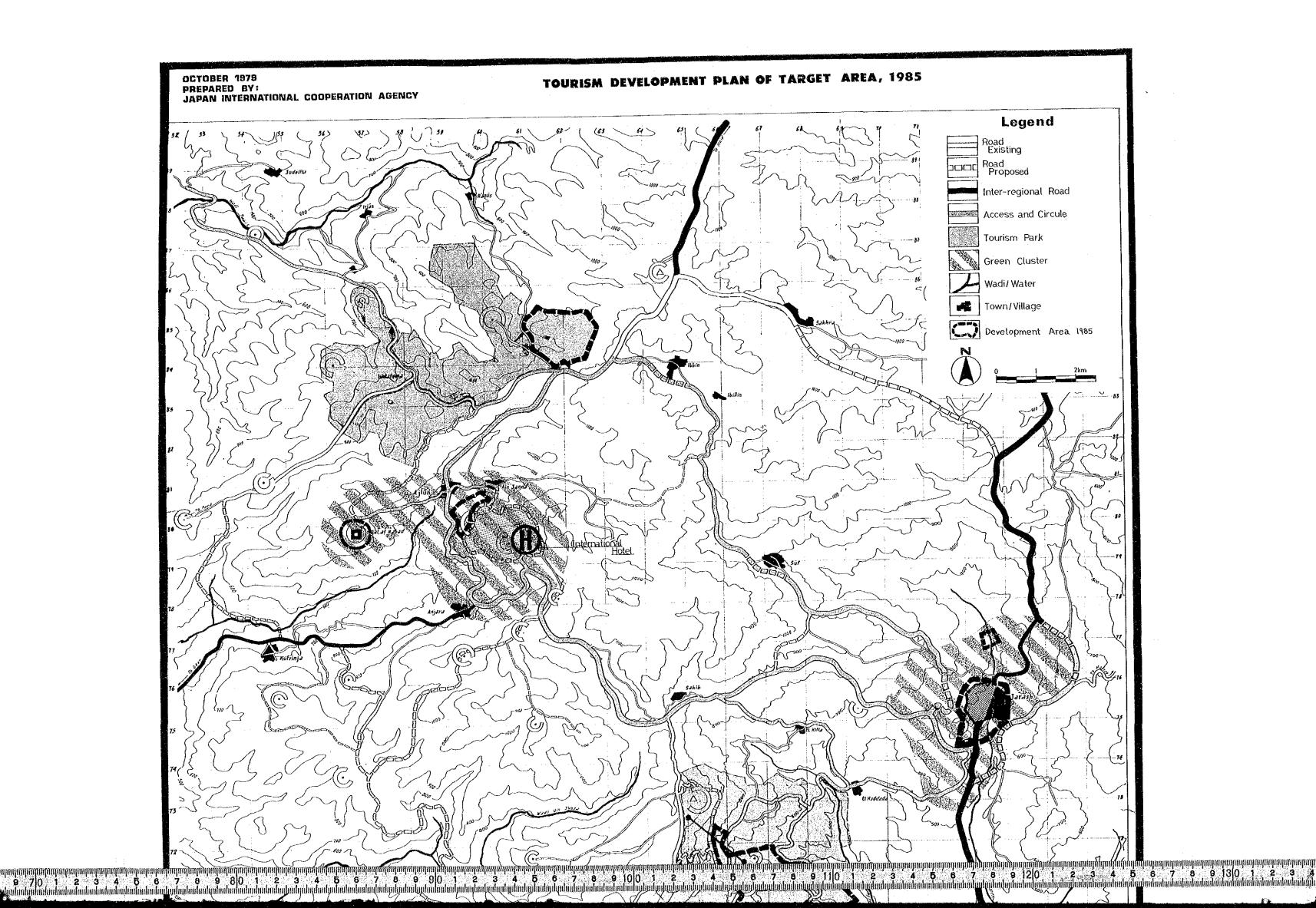
## G.001 Major reports produced by the Team are as follows:

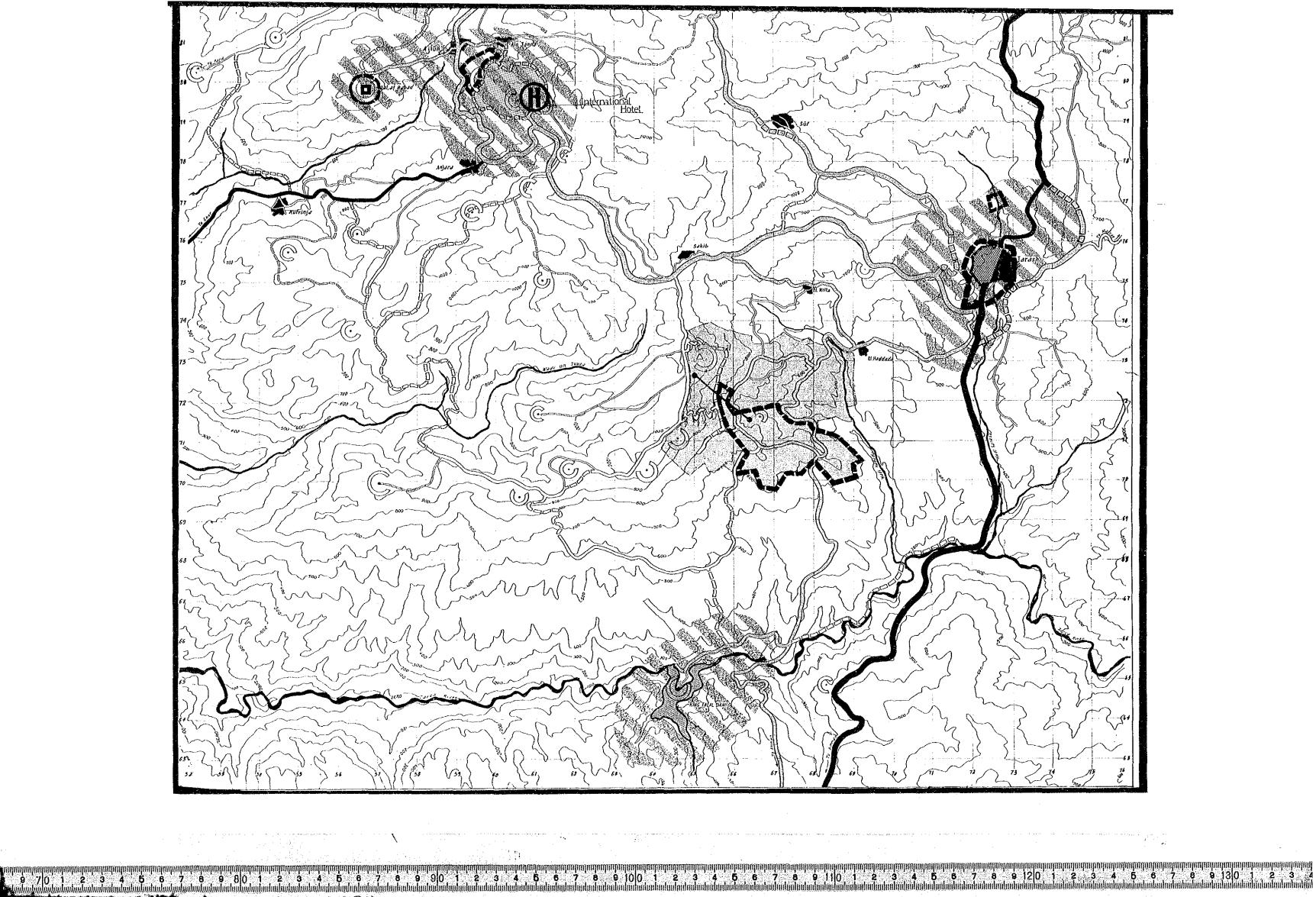
	Name	Language	Date
(1)	Contact Mission Report (White Report)	Japanese	March, 1978
(2)	Inception Report (Green Report)	English	July 15, 1978
(3)	Interim Report (Photocopy Report)	English	September 6, 1978
(4)	Phase I Draft Final Report (Brown Report)	English Japanese for Summary	October 28, 1978
(5)	Additions and Amendment to Phase I Draft Final Report (Zerox Report)	English	July 19, 1979
(6)	Phase II Inception Report (Ochre Report)	English	June 3, 1979
(7)	Phase II Interim Report	English	August 28, 1979
(8)	Tentative Draft Final Report	English	October 10, 1979
(9)	Phase II Draft Final Report	English	November 30, 1979
(10)	Final Report	English Japanese for Summary	March, 1980

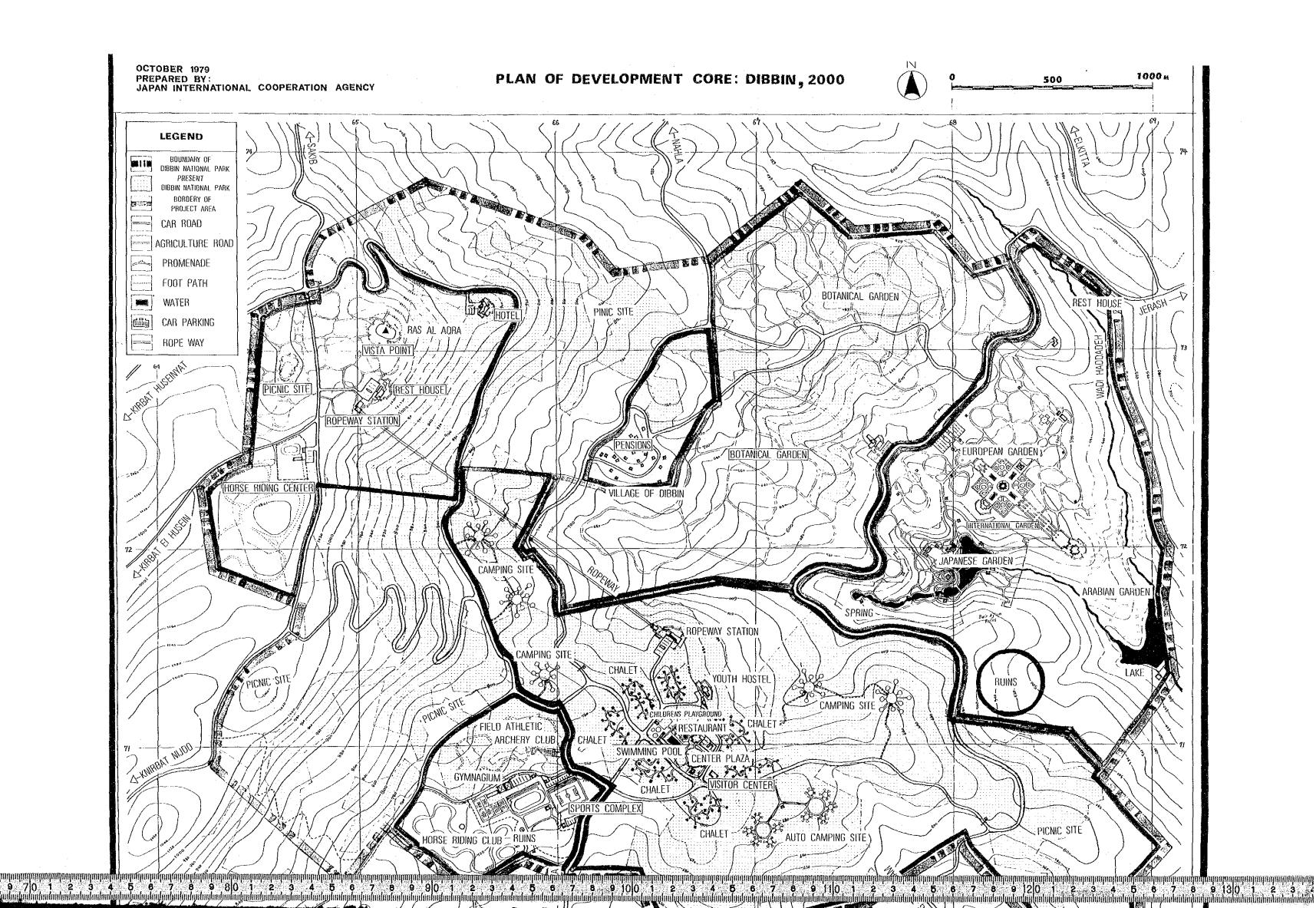
## TOURISM DEVELOPMENT PLAN OF TARGET AREA, 2000

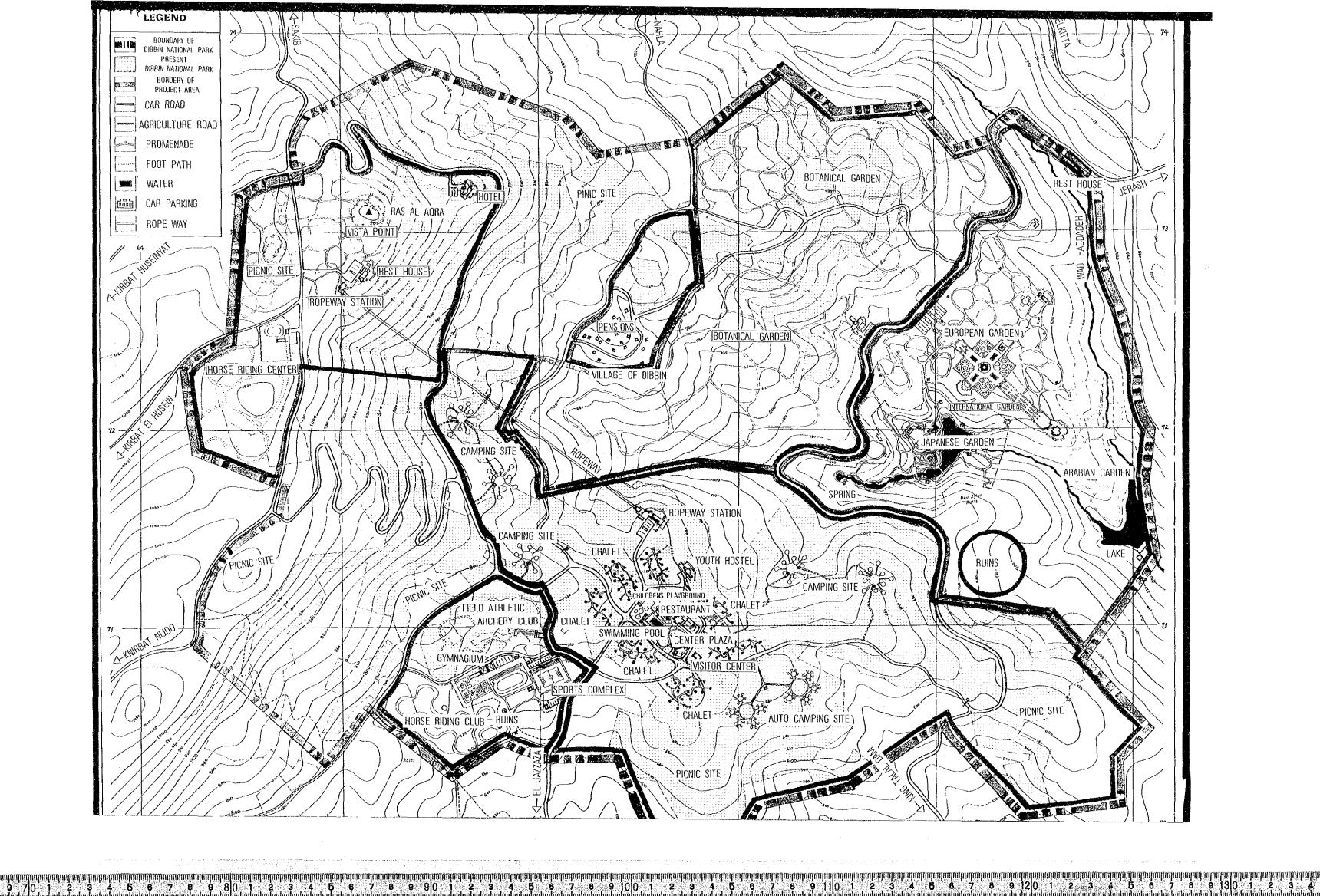












OCTOBER 1979 500 1000 m PREPARED BY: PLAN OF DEVELOPMENT CORE: AJLUN, 2000 JAPAN INTERNATIONAL COOPERATION AGENCY **LEGEND** GREEN PARK AREA & GREEN BELT ) PICNIC SITE PICNIC SITE ROUTE NO. 20 ==| MAIN ROAD FOR CAR TRAFFIC HOTEL SHOPPING PLAZA PARKING SHOPPING STREET OF MOSQUE SHOPPING STREET OF MOSQUE SHOPPING STREET OF TOWN OF AJLUN — ROCAL ROAD & TOWN STREET PROMENADE IN THE GREEN PARK SMALL PATH SUF CAR PARKING TOURISM ORCHARD POND & POOL OUTDOOR ESCALATER EXTENSION AREA OF AJLUN & AIN-JANNA FOLK VILLAGE FOLK VILLAGE TOURISM ORCHARD PARKING SHOPPING

FESTIVAL PLAZA

PLAZA

OUTDOOR THEATRE

ISYMBOL TOWER

SYMBOL TOWER

FOLK VILLAGE

SYISITOR CENTER

RIDING STATION

WORKERS LODGE

MAIN GATE

PARKING OUTDOOR ESCALATOR REST HOUSE CASTLE OF RABAD (REHABILITATION) POOL 🗄 (MUSEUM) FOLK VILLAGE REST HOUSE TO HOSPITAL SCHOOL SCHOOL

