

Inventory of Qazvin North Canal

Canal network	Quantity	Remarks
Irrigation area	76,700 ha	
Number of farm household	10,172	
Main canal	94 km	30 - 3 m ³ /s, Concrete lining
Secondary canal	220 km	7.4 - 0.6 m ³ /s, Concrete lining
Tertiary and Quarterly Canal	810 km	Concrete lining
Appurtenant facilities		
Regulator, Check, Turn-out	269	Amil gate, Arch gate
Bridge, Drop, Others	1,041	
Number of combined well	63	Vertical pump, 100 - 150 kw

Source : Inventory Survey (2000)

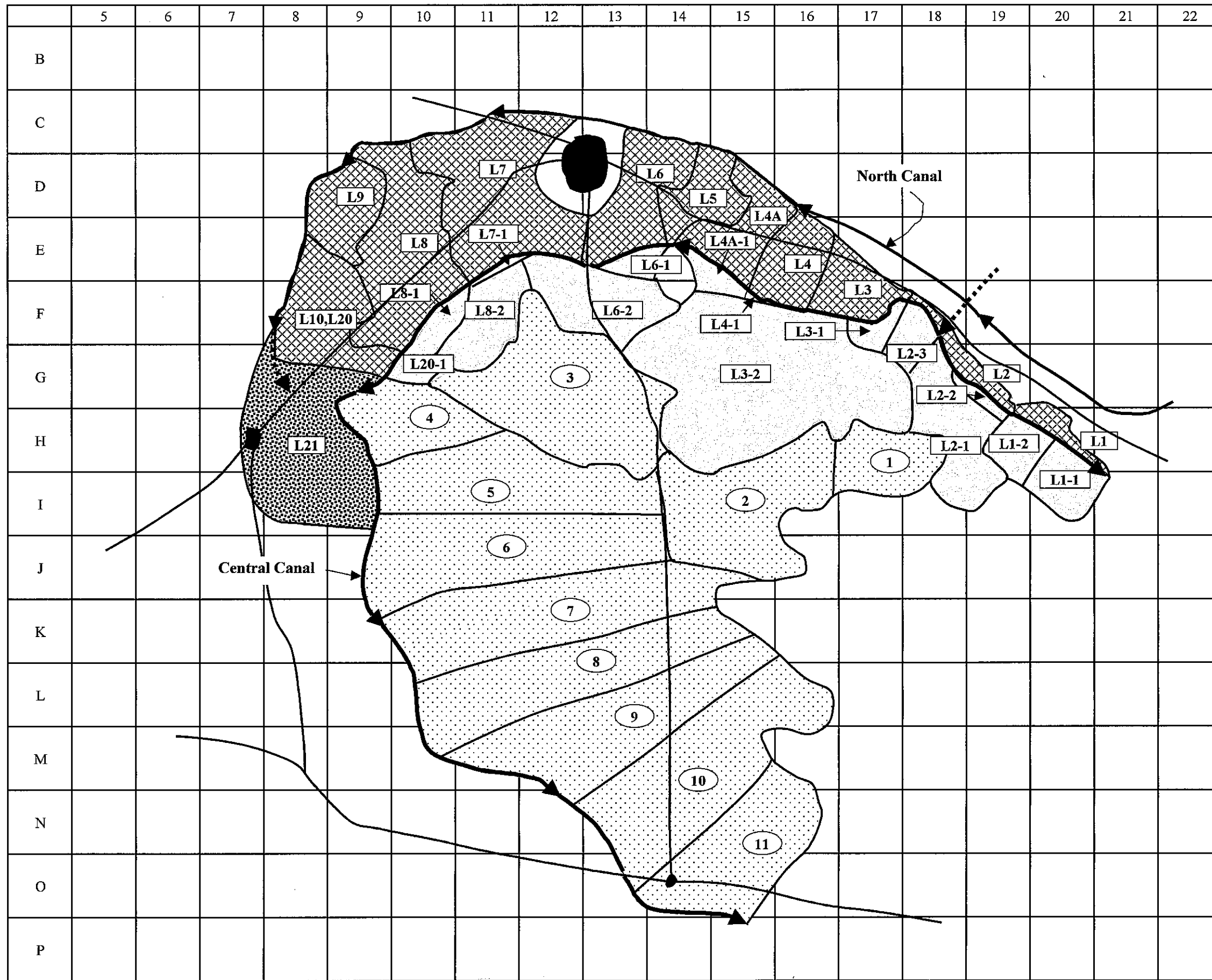
Quantity of Deteriorated Canal Facilities

Canal	Number of broken canal	Concrete volume (m ³)	Gate	Type	Number of repair or replacement	Remark
Main	17	6,197	Corrosion of gate body		133	Sand blast, painting, partly repair
L1	41	2,305	Arch gate for main canal	100 lit	25	Replacement
L2	54	3,781		200 lit	20	
L3	118	9,586		400 lit	15	
L4, L4A	53	3,437		600 lit	15	
L5	14	961		1,000 lit	15	
L6	53	4,296	Arch gate for secondary canal	50 lit	100	
L7	125	11,009		100 lit	70	
L8	81	7,213		200 lit	50	
L9	12	751		400 lit	30	
L10	10	927	Other gates		200	
L20	10	967	Frame of gates		200	
Total	588	51,430	Combined well		20 places	

Source: Inventory survey (2000)



Figure 10.2.2-1. Deteriorated Structures Requiring Rehabilitation



Area of Irrigation Block	
Irrigation Block	Cultivable Area (ha)
North Higher Area	
L1	700
L2	700
L3	1,200
L4	2,700
L4A	2,700
L5	2,400
L6	4,000
L7	9,800
L8	6,800
L9	3,300
L10,L20	4,300
Sub-total	38,600
L21	9,000
North Lower Area	
L1-1	2,300
L1-2	1,500
L2-1	5,100
L2-2	200
L2-3	700
L3-1	1,300
L3-2	16,000
L4-1	200
L4A-1	700
L6-1	1,000
L6-2	4,400
L7-1	100
L8-1	1,100
L8-2	2,500
L20-1	1,000
Sub-total	38,100
Central Area	
1	3,100
2	7,900
3	6,600
4	3,300
5	4,200
6	9,800
7	4,100
8	3,000
9	2,800
10	9,000
11	7,100
Sub-total	60,900
G. Total	146,600

Figure 10.3.1. Irrigation Service Block under the Canal System