

***Annex 20***

***Village Water Supply Inventory***



Table 1.1(1/4) VILLAGE WATER SUPPLY INVENTORY OF SKOPJE FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance	
			1971	1991	1994	Rate	in 1971		in 1991						Type of fund	RIHP					Village
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others										
108.01	9,960,428	Arachinovo	2436	7000	6328	287.4	26	1464	946		7000		1971 - 75	1.2		NS	SP,GW	-	-		
108.02	5,785,208	Brnjari	334	449	418	134.4			4		449		85 - 90	2.4		NS	SP	-	+		
108.03	9,070,295	Grushino	862	900	1007	104.4			862	650	250		75 - 80	1.5	1.0	NS	GW,SP	100	+		
108.04	8,137,692	Mojanci	537		1519			187	350										+		
108.05	4,132,731	Orlanci	424	600	688	141.5			424	600			75 - 80	2.2	1.0	NS	SP	-	+		
109.01	47,008,189	Aldinci	211	211	24	100.0		11	200		211	yes				NS	SP	-	+		
109.02	8,771,668	Batinci	1819	3600	4117	197.9	251	900	668	1300	1300		71 - 75	2.0	1.8	S	SP,GW	-	+		
109.03	7,976,824	Vrtefica	434	450	213	103.7		14	420		450					NS	SP	-	+		
109.04	11,987,644	G. Kolichani	808	700	413	86.6		78	730		700		75 - 80	1.5		NS	SP	-	+		
109.05	6,872,784	D. Kolichani	1036	1348	1395	130.1		63	973	1348			71 - 80	2.2	2.5	NS	SP	40	+		
109.06	16,769,774	Drachevica	645	650	380	100.8		65	580	650		yes	71 - 75	1.5	1.0	NS	SP	-	+		
109.07	12,911,361	Elovo	117	233	212	199.1			117		233	yes				NS	SP	-	+		
109.08	6,376,665	Kaldirac										yes				NS	SP	-	+		
109.09	2,667,951	Malchishte	51	61	7	119.6			51		61					NS	SP	-	+		
109.10	7,665,136	M. Sushica	66	23	24	34.8			66		23					NS	SP	-	+		
109.11	14,576,324	Morani	933	1300	1287	139.3		560	373	1300			71 - 75	1.5		S	SP,GW	200	+		
109.12	11,892,337	Osinchani	23	6	2	26.1			23		6					NS	SP	-	+		
109.13	5,203,586	Paganusha	277	265	239	95.7		17	260		265		75 - 80	1.6		NS	SP	40	+		
109.14	10,969,530	Ramni Gaber	167	150	66	89.8		7	160		150					NS	SP	50	+		
109.15	9,561,691	Studenichani	2315	3500	4488	151.2	70	950	1295	3500			75 - 85	2.0	1.0	S	SP,GW	80	+		
109.16	10,116,041	Umovo	17	50		294.1			17		50	yes				NS	SP	-	+		
109.17	14,685,808	Cvetovo	461	838	847	181.8		30	431	838		yes	75 - 85	1.8		S	SP	100	-		
109.18	8,525,846	Crvena Voda	186	120	47	64.5			186		120					NS	SP	-	+		
109.19	61,638,989	Crvn Vrv	535	890	986	166.3		15	520		890	yes				NS	SP	-	+		
110.01	12,369,771	Vrazale	376	376	167	100.0		162	214		376					NS	SP	-	-		
110.02	19,748,373	Gradovci	306	23	14	7.5			306		23					NS	SP	-	+		
110.03	10,369,808	Gumalevo	206	183	168	88.8		30	176		183					NS	SP	-	+		
110.04	25,311,826	Dejkovec	153	120	117	78.4			153		120	yes				NS	SP	-	+		
110.05	24,733,459	Dobriño	175	129	108	73.7			175		129					NS	SP	-	+		
110.06	5,706,224	St. Zelenikovo	750	1131	1100	150.8		368	382	1131			867	71 - 80	2.0	2.0	S	GW	100	-	
110.07		Zelenikovo	409	708	709	173.1		300	109	708			405	75 - 85	2.6	1.5	S	GW	100	-	
110.08	11,358,854	Novo Selo (Zc)	243	164	149	67.5		93	150		164					NS	SP	-	-		
110.09	3,759,754	Oreshani	272	455	429	167.3		140	132	455			628	80 - 90	3.0	1.5	S	GW	100	-	
110.10	4,376,334	Pakoshevo	235	230	222	97.8		172	63		230					NS	GW	-	-		
110.11	16,070,248	Paligrad	418	418	397	100.0		8	410		418		75 - 80	1.5		NS	SP	-	+		
110.12	5,050,534	Smesnica	146	180	168	123.3		76	70		180					NS	SP	-	-		
110.13	4,019,028	Strahojadica	200	193	228	96.5		100	100		193					NS	SP	-	-		
110.14	5,586,848	Taor	147	155	158	105.4		7	140	155			75 - 80	2.5		S		-	-		
110.15	28,505,808	Tisovica	73	135	102	184.9			73		135					NS	SP	50	+		
111.01	6,956,172	Badar	100	21	13	21.0			100		21	yes				NS	SP	-	+		
111.02	27,157,592	Blace ( P )	150	45	31	30.0			150		45	yes				NS	SP	-	+		
111.03	11,755,459	Breznica ( K )	87	25	9	28.7		22	65		25	yes	300			NS	SP	-	+		
111.04	12,643,763	G. Konjari	361	228	208	63.2		306	55		228		200			NS	SP,GW	-	+		
111.05	13,643,389	Gradnanci	66	11	11	16.7		10	56		11	yes				NS	SP	-	+		
111.06	16,462,850	Divlje	250	74	60	29.6		10	240		74	yes				NS	SP	-	+		
111.07	17,967,548	D. Konjari	596	705	742	118.3	15	310	271		705		200			NS	SP,GW	-	+		

Table 1.1(2/4) VILLAGE WATER SUPPLY INVENTORY OF SKOPJE FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population by water supply type								Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance				
			Population				in 1971							in 1991						Type of fund			
			1971	1991	1994	Rate	Level 3/ Network	Level 1	Level 2/ communal	Level 3				Others	Level 3/ Network					Level 1	Level 2/ communal	Level 3	Others
111.08	15,659,430	Katlanovo	765	789	766	103.1		155	610		789			100	75 - 80	2.5		S	GW	50	+		
111.09	13,568,540	Kozle	130	29	13	22.3			130			29	yes				NS	SP	-	+			
111.10	12,274,740	Letevci	30	7	8	23.3			30			7	yes		80 - 85	2.0		NS	SP	-	+		
111.11	5,330,974	Ognanci	828	1250	1207	150.9		474	354		1250				71 - 75	1.0		NS	GW	-	-		
111.12	6,237,402	Petrovec	1397	2407	2490	172.3		47	1350		2407		2325				NS	GW	-	+			
111.13	9,582,994	R'zanichino	539	995	903	184.6		233	306		995					2.4		NS	GW	-	+		
111.14	15,599,953	S. Konare	842	820	1102	97.4		706	136		820		200				NS	GW	-	+			
111.15	25,910,493	Shushica Kat.	454	228	206	50.2		30	424		228	yes	200	85 - 90			NS	SP	80	+			
111.16	11,433,699	Kojlija	426	520	354	122.1	26	226	174		520						NS	GW	-	+			
112.01	9,124,204	Ajvatovci	292	204	225	69.9		18	274		204		2325	1980 - 85	0.6		S	GW	30	+			
112.02	8,413,874	Bujkovci	554	631	645	113.9	10	506	38	613				85 - 90	2.0	1.5	NS	GW	80	+			
112.03	4,929,819	Bunardzik	255	345	334	135.3		40	215		345		2325	80 - 85	1.0	1.0	S	GW	600	+			
112.04	6,772,969	Buchinci	288	232	226	80.5		40	248		232		200	89 - 91	1.5		NS	GW	-	+			
112.05	8,553,214	Deljadrovci	401	487	507	121.4		360	41		487						NS	SP	-	+			
112.06	14,517,378	Ilinden	2495	4344	4321	174.1		2495		4344			2325	80 - 85	2.0	2.0	S	GW	-	+			
112.07	8,113,428	Kadino	1160	1637	1727	141.1	45	635	480	500	1137			80 - 85	1.0	1.0	S	GW	-	+			
112.08	2,511,918	Marino	400	3305	3359	826.2		390	10		3305		2325	80 - 85	2.0		S	GW	-	+			
112.09	14,652,399	Miladinovci	1001	1458	1429	145.6		850	151	1458				84 - 87	2.5	2.0	S	GW	100	+			
112.10	7,701,878	Mralino	390	895	791	229.5		380	10		895			80 - 85	0.5	0.5	NS	GW	-	+			
112.11	7,960,026	Mrshevci	642	648	650	100.9	15	400	227	648				78 - 85	3.5		S	GW	100	+			
112.12	3,857,710	Tekija	289	303	298	104.8		265	24		303						NS	GW	-	+			
113.01	2,425,756	Barovo	44	6	21	13.6			44		6						NS	SP	-	+			
113.02		Govrlevo	290	47	24	16.2			290		47						NS	SP	-	+			
113.03	8,518,659	G Sonje	239	126	113	52.7		20	219		126						S	SP	50	-			
113.04	7,650,792	Dobri Dol	487	409	401	84.0		75	412	409		yes	1093	80 - 85	3.5		S	SP	80	+			
113.05	8,466,550	D. Sonje	705	601	601	85.2		33	672	601				80 - 87	4.0		S	SP	80	-			
113.06	17,864,379	Drzilovo	288	367	374	127.4		8	280		367	yes		80 - 90	3.0		NS	SP	-	-			
113.07	50,475,992	Jabolci	396	230	66	58.1		6	390		230			71 - 80	2.0		NS	SP	-	-			
113.08	33,183,720	N. Bresnica	908	92	80	10.1		12	896		92	yes					NS	SP	-	-			
113.09	35,479,797	Patishka Reka	591	650	706	110.0		15	576	650		yes	5000	71 - 75	2.0		S	SP	-	+			
113.10	9,736,443	Rakotinci	546	650	576	119.0		10	536	650			1103	80 - 85	2.8		S	SP	80	-			
113.11	18,674,755	Sveta Petka	519	630	632	121.4			519		630						NS	SP	80	-			
113.12	10,003,079	Sopishte	2141	5501	5554	256.9		487	1654	5501			1003	75 - 85	3.0	1.0	S	SP,GW	100	-			
113.13	4,760,805	Chiflik (So)	339	600	536	177.0		9	330	600				75 - 85			NS	SP	-	+			
114.01	5,428,092	Arnakija	517	820	935	158.6		400	117		820						NS	SP,GW	-	+			
114.02	25,684,146	Bojane	1306	1800	1910	137.8		800	506		1800		700				NS	SP,GW	-	+			
114.03	9,386,992	Bukovik	871	1680	1622	192.9	30	420	421	1680				80 - 87	3.0	3.0	S	SP	120	+			
114.04	5,621,476	Glumovo																			+		
114.05	3,740,933	Grheec	30	1500	1805			15	15	1500				80 - 87	3.0	2.0	S	SP	-	+			
114.06	19,104,010	Kopanica	1042	1300	1478	124.8	30	715	297	100	1200						NS	SP	-	+			
114.07	6,733,677	Krushopek	952	1500	1642	157.6		150	802		1500						NS	SP	-	+			
114.08	7,252,214	Laskarci	762	1200	1083	157.5		100	662		1200						NS	SP,GW	-	+			
114.09		Ljubin	374	1600	1617	427.8		87	287		1600						NS	GW	-	-			
114.10	10,519,132	Matka											500					NS	GW	-	+		
114.11	4,699,119	Panichari	282	300	271	106.4		12	270		300						NS	GW	-	-			
114.12	18,639,332	Raovich	319	250	284	78.4		42	277		250						NS	SP	-	-			

Table 1.1(3/4) VILLAGE WATER SUPPLY INVENTORY OF SKOPJE FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					RIHP	Village				
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others									
114.13	4,937,827	Saraj																		
114.14	5,153,509	Semenishte	492	420	479	85.3		365	127		420						NS	SP,GW	-	+
114.15	20,230,221	Chajlane	535	550	580	102.8		135	400		550						NS	SP,GW	-	+
114.16	8,942,974	Sizevo											600							+
115.01	10,437,162	G. Svilare	358	600	600	167.6		75	283	600				80 - 87	1.8	1.8	S	SP	50	+
115.02		Dvorce	252	215	225	85.3		82	170		215	yes					NS	SP	-	+
115.03	9,928,033	D. Svilare	1123	1600	1725	142.5		500	623	1600			1500	75 - 85	2.0	4.0	S	SP	100	+
115.04	3,927,910	Kondovo	797	2200	2890	276.0		222	575	2200				75 - 85	2.0	4.5	S	SP	-	+
115.05	25,977,563	Radusha	1565	1780	1824	113.7		1077	488	1780			800	75 - 85	3.0	1.5	S	SP,GW	100	+
115.06	23,462,417	Rashche	1581	2000	2363	126.5		890	691	2000			2250	75 - 85	3.5	2.0	S	SP	150	+
115.07		Mine Radusha	312	300	213	96.0	286	20	6	300				75 - 85	1.0		S	SP	50	+
116.01	24,089,268	Banjani	625	619	563	99.0		329	296		619		1190	75 - 90	2.5		NS	SP	50	+
116.02		Blace (B)	1271	1300	1090	102.3		670	601	1300				75 - 80	2.5	1.5	S	SP	100	+
116.03		Brazda	488	495	449	101.4		188	300		495		1195	75 - 90	2.0		NS	SP,GW	-	+
116.04	47,383,830	Brest	1434	1100	1158	76.7		47	1387		1100	yes					NS	SP	-	+
116.05	9,258,990	Brodec	44	14	6	31.8			44		14			75 - 85	2.0		NS	SP,SW	40	+
116.06	17,046,405	Gluvo	526	388	322	73.8		302	224		388		1190	75 - 90	1.5		NS	SP,GW	-	+
116.07	11,472,022	Gornanje	184	87	93	47.3		10	174		87		1190	75 - 90	2.0		NS	SP	50	+
116.08	39,203,562	Kucevishte	1942	1699	1869	87.5		388	1554	1699				75 - 90	3.0	2.0	NS	SP,GW	100	+
116.09	15,917,748	Mirkovci	795	932	866	117.2		34	761		932		1190	75 - 90	1.5		NS	SP	-	+
116.10	10,669,508	Poboze	577	576	560	99.8		70	507	576				71 - 80	2.5		S	SP	80	+
116.11	22,348,386	Tanushevci	660	900	814	136.4		117	543	900				75 - 85	3.2	1.0	NS	SP	80	-
116.12	11,059,767	Chucher	438	311	274	71.0		92	346		311		2395	75 - 90	1.5		NS	SP	-	+
117.01	16,078,877	Bulachani	943	1075	1080	114.0		13	930	1075				71 - 80	3.0	1.0	S	SP	120	+
117.02	7,308,302	Idrizovo	1562	1729	1789	110.6	400	892	270	500	1229						NS	GW	-	+
117.03	4,868,932	Indjikovo																		+
117.04	4,629,055	Jurumleri	1246	3263	3326	261.9	50	1075	121	250	3013			80 - 85	2.5	2.0	NS	GW	-	+
117.05		Kolonija Idrizovo																		+
117.06	5,776,560	Madjari																		+
117.07		Naselba Goce Delcev																		+
117.08	12,176,491	Rashtak	376	431	408	114.6		86	290	431				75 - 80	2.8	0.0	S	SP	100	+
117.09	6,729,563	Singelik																		+
117.10		Skopje Gazi Baba																		+
117.11		Smiljkovci																		+
117.12	4,909,836	Stajkovci												75 - 80	1.0	2.0	NS	GW,SP	-	+
117.13	6,771,465	Strachinci	526	334	1038	63.5		78	448	334										+
117.14	6,124,553	Trubarevo																		+
117.15	16,511,044	Creshevo	1180	1587	1565	134.5		610	570		1587						NS	SP	-	+
118.01	5,500,549	Volkovo																		+
118.02	9,222,714	Grachani	422	420	21	99.5		220	202	420				80 - 85	1.6	1.5	S	SP	80	+
118.03	23,641,219	Kuchkovo	927	307	249	33.1		93	834	307				75 - 85	3.5	1.0	S	SP	80	+
118.04	12,285,102	Nikishtane	704	860	1010	122.2		633	71	860				80 - 87	2.9	1.0	S	SP	80	-
118.05	4,186,718	Novo Selo																		+
118.06	4,630,393	Orizari																		+
118.07	3,612,215	Orman	229	220	227	96.1		69	160		220			80 - 85	2.0		NS	GW	-	-
118.08	3,255,246	Skopje- Gorce Petrov																		+

Table 1.1(4/4) VILLAGE WATER SUPPLY INVENTORY OF SKOPJE FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance		
			1971	1991	1994	Rate	in 1971			in 1991					RIHP	Village						
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others											
119.01	6,351,522	Bardovci																		+		
119.02		Vlae																			+	
119.03	8,233,114	Gorno Nerezi																			+	
119.04		Dolno Nerezi																			+	
119.05	3,737,816	Zlokukani																			+	
119.06	7,042,290	Skopje- Karpos																			+	
120.01	13,623,043	Gorno Lisice																			+	
120.02	23,096,701	Dolno Lisice																			+	
120.03	16,195,774	Naselba Dracevo																			+	
120.04		Selo Dracevo																			+	
120.05	2,146,702	Skopje- Kisela Voda												71 - 80	2.0	1.0	NS	SP		-	+	
120.06	6,593,723	Usje	724	1225	1202	169.2	15	236	473	800	425										+	
121.01	9,422,097	Skopje- Centar																				+
122.01	5,525,318	Butel																				+
122.02	4,407,750	Vizbegovo												71 - 85	5.0	2.0	S	SP	250		+	
122.03	24,136,630	Ljubanci	968	897	863	92.7	50	42	876	897				71 - 87	4.0	2.0	S	SP,SW	150		+	
122.04	13,310,756	Ljuboten	1452	1750	2035	120.5		530	922	1750				75 - 85	2.0		NS	SP,GW	150		-	
122.05	6,180,762	Radishani	765	6611	7579	864.0	30	677	58	5000	1611										+	
122.06		Skopje- Cair																				+
123.01	6,364,444	Gorno Orizari																				+
123.02		Dolno Orizari																				+
123.03		Skopje- Orizari																				+
		Kisela Voda																				
		Karposh																				
		Chair																				
		Sub-total*	75962	111241	115264	15451	1349	29008	45275	57185	53038			153.6	59.1					4550		
		Average*	612.6	904.4	937.1	126.6	84.3	281.6	368.1	1167.0	646.8			2.2	1.6					101.1		
		Total	75962	111241	115264	15451	1349	29008	45275	57185	53038			153.6	59.1					4550		

\*excluding city

EUDV:Economically Under-developped Village

S:Suitable SW:Surface water

NS:Not suitableSP:Spring water

GW:Groundwater

Table 1.2(1/2) VILLAGE WATER SUPPLY INVENTORY OF GOSTIVAR FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971		in 1991						RHP	Village				
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others									
22.01	4,014,276	Balin Dol	1736	4000	2862	230.4	90	1230	416	4000				0.0	8.0	S	SP	-	+	
22.02	8,941,757	Belovishte	1245	1883	2440	151.2	50	910	285	1883		110		0.0	3.5	S	SP	100	+	
22.03	7,468,357	GOSTIVAR	19467	35000	32926	179.8						2400							+	
22.04	10,059,197	Debreshe	2291	4200	4236	183.3	35	1300	956	4200		310	75 - 80	3.1	4.0	S	SP	150	+	
22.05	1,464,829	Malo Turchane	414	600	602	144.9	10	280	124	600				0.0	2.5	S	SP	-	+	
22.06	18,282,490	Chajle	2061	4200	2674	203.8	-	2052	9	4200			85 - 90			S	SP	-	+	
23.01	5,571,848	Gorjanc	319	280	95	87.8	-	19	300	-	280					NS	SP	-	-	
23.02	10,164,821	Gradec	2949	4680	4077	158.7	340	2270	339	4680			85 - 85	4.8	2.0	S	SP	150	-	
23.03	6,421,254	Dobri Dol	3295	5200	4016	157.8	70	2200	1025	5200			72 - 78	2.5	5.0	S	SP	150	-	
23.04	16,128,360	Gjurgjevishte	733	744	676	101.5	-	-	733	-	745	yes				NS	SP	-	+	
23.05	22,170,926	Kalishte	874	866	835	99.1	-	70	804	866		320	85 - 90	3.0	0.0	S	SP	100	+	
23.06	27,673,317	Lomnica	711	780	762	109.7	-	86	625	-	780	yes				NS	SP	-	+	
23.07	8,073,337	Negotino	2061	3600	3191	175.0	250	1360	451	3600			75 - 85	1.5	4.2	S	SP	200	-	
23.08	2,309,597	Senokos	838	1400	1340	167.1	40	780	18	1400			80 - 85	1.5	3.5	S	SP	250	+	
24.01	9,815,865	Vranovci	826	990	638	119.8	15	250	561	990		300	75 - 80	2.0	2.5	S	SP	250	-	
24.02	8,584,926	Vrapchishte	4047	7000	5015	172.9	20	2000	2027	7000			75 - 80	3.0	4.0	S	SP	-	+	
24.03	3,638,761	Galate	392	463	928	118.1	-	205	187	463			75 - 80	1.9	0.0	S	SP	-	+	
24.04	4,017,245	Zubovce	554	543	530	98.0	14	300	240	543		110	75 - 80	3.0	3.0	S	SP	-	+	
24.05		N.Selo (V)	59	25	22	42.3	-	-	59	-	25	yes	300			NS	SP	-	-	
24.06	29,407,578	Pozharane	362	84	57	23.2	-	-	362	84		300	73 - 78	3.0	1.0	S	SP	60	+	
24.07	2,038,065	Toplica	811	1220	1226	150.4	-	320	491	1220			71 - 86	1.5	4.0	S	SP	125	+	
25.01	1,624,886	Adzievci	151	206	204	134.4	10	10	131	206		110	1975 - 80	2.2	0.0	S	SP	50	+	
25.02	6,248,159	Bitusha	431	174	172	40.4	220	211	-	174		yes	75 - 80	2.0	1.0	S	SP	50	+	
25.03	7,219,140	Boletin	0	0															+	
25.04	7,613,027	Velebrdo	795	936	860	117.7	250	410	135	936		yes	75 - 85	5.0	1.0	S	SP	100	+	
25.05	10,228,450	Vidushe	233	198	207	84.9	-	-	233	198		yes	72 - 74	2.0	0.0	S	SP	50	+	
25.06	14,486,865	Vrbjani	640	605	611	94.5	-	-	640	-	605	yes				NS	SP	-	-	
25.07	64,458,540	Galichnik	17	1	1	5.9	-	-	17	-	1	yes	75 - 85	2.0	0.0	S	SP	100	+	
25.08	37,439,943	Gari	37	10	33	27.0	-	-	37	10		yes	85 - 90	2.2	2.0	S	SP	80	+	
25.09	33,343,366	Zhirovnica	1526	2146	1997	140.6	-	-	1520	2146		yes	75 - 85	4.0	3.0	S	SP	100	+	
25.10	4,861,441	Janche	181	164	155	90.6	-	-	181	164			71 - 75	2.1	0.0	S	SP	50	+	
25.11	45,979,197	Lazaropole	180	1	2	0.5	-	-	180	1		300	75 - 85	4.5	1.2	S	SP	100	+	
25.12	12,874,163	Mogorche	1089	1622	1630	148.9	-	-	1089	1622			80 - 91	6.0	1.0	S	SP	125	-	
25.13	10,823,108	Osoj	2	2	1		-	-	2	-	2	yes				S	SP	50	-	
25.14	3,363,029	Prisojnica	264	349	332	132.2	-	-	264	349		yes	72 - 78	1.0	0.0	S	SP	60	+	
25.15	11,170,126	Rosoki	1	0			-	-	1			yes				S	SP	-	+	
25.16	15,322,328	Rostusha	908	920	919	101.3	230	490	188	920		400	71 - 80	4.0	2.0	S	SP	100	+	
25.17	17,059,386	Selce	0	0								yes							+	
25.18	9,316,403	Skudrinje	1236	2106	2126	170.4	-	-	1236	2100		410	71 - 80	3.0	1.0	S	SP	125	+	
25.19		Sushica (R)	110	18	26	16.4	-	-	110	18		1000	85 - 90	2.0	0.0	NS	SP	-	+	
25.20	15,484,120	Trebishte	1148	1222	1106	106.4	-	-	1148	1222		yes	71 - 75	2.5	1.0	S	SP	100	+	
25.21	36,290,122	Tresonche	24	9	10	37.5	-	-	24	9		110	80 - 86	3.5	0.0	S	SP	60	+	
26.01	25,078,946	Belchica	44	9	9	20.4	-	-	44	9		yes	75 - 80	2.5	0.0	S	SP	-	+	
26.02	3,796,079	Bibaj	60	60	46	100.0	-	-	60	-	60	yes				NS	SP	-	+	
26.03	11,669,111	Bogdevo	68	60	14	88.2	-	-	68	-	60	yes	75 - 80	1.8	0.0	NS	SP	-	+	
26.04	138,232,996	Brodec	119	26	8	21.8	-	-	119	-	26	yes				NS	SP	-	+	
26.05	10,510,420	Volkovija	162	80	76	49.4	-	-	162	80		yes	75 - 80	2.5	0.0	S	SP	50	+	
26.06	25,644,972	Vrben	231	180	180	77.9	-	30	201	180		yes		0.0	2.0	S	SP	50	+	
26.07		Grekaj	110	55	11	50.0	-	-	110	-	55	yes				NS	SP	-	+	
26.08	25,104,704	Duf	413	190	55	46.0	-	-	413	-	190	yes	75 - 80	3.0	0.0	NS	SP	50	+	

Table 1.2(2/2) VILLAGE WATER SUPPLY INVENTORY OF GOSTIVAR FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance	
			1971	1991	1994	Rate	in 1991				Others				RIHP	Village					
							Level 3/ Network	Level 1	Level 2/ communal	Level 3											
26.09	19,403,778	Zluzhnje	175	3	4	1.7	25	-	150	-	3	yes				NS	SP	-	+		
26.10	4,430,930	Kaschnica	0	0								yes				NS	SP	-	+		
26.11	8,145,549	Krakornica	112	23	30	20.5	-	-	112	-	23	yes				S	SP	50	+		
26.12	21,867,073	Leunovo	106	28	40	26.4	-	-	106	28		yes		75 - 85	2.4	0.0	S	SP	200	-	
26.13		Mav. Anovi	199	189	183	94.9	90	-	109	189				75 - 85	3.5	3.0	S	SP	150	+	
26.14	31,389,055	Mavrovo	246	180	183	73.1	-	-	246	180		yes	1500	75 - 85	1.5	0.0	S	SP	-	+	
26.15	18,257,340	Nivishte	84	80		95.2	-	-	84	-	80	yes				NS	SP	-	+		
26.16	14,659,278	Nikiforovo	35	11	9	31.4	-	-	35	11		yes		71 - 75	1.6	0.0	S	SP	80	+	
26.17	15,199,834	Nistrovo	228	37	153	16.2	-	-	228	-	37	yes		62 - 65	2.0	0.0	NS	SP	-	+	
26.18	12,815,410	Nichpur	22	19	16	86.3	-	-	22	-	19	yes				NS	SP	-	+		
26.19	7,300,278	N.Selo ( G )	105	29	36	27.6	-	-	105	-	29	yes				NS	SP	-	+		
26.20	6,700,601	Orkushe	173	85	24	49.1	-	25	148	-	85	yes				NS	SP	-	+		
26.21	21,751,366	Ribnica	266	220	60	82.7	-	-	266	-	220	yes				NS	SP	-	+		
26.22	17,568,400	Sence	233	190	78	81.5	-	-	233	-	190	yes				NS	SP	-	+		
26.23	23,454,780	Sretkovo	110	27	28	24.5	-	-	110	27		yes	1000	80 - 90	4.0	0.0	S	SP	80	+	
26.24	16,765,220	Tanushe	330	355	89	107.5	-	30	300	-	355	yes		75 - 80	2.0	0.0	NS	SP	-	+	
26.25	6,106,990	Cerovo	107	12	17	11.2	-	-	107	12		yes		85 - 90	3.6	0.0	S	SP	80	-	
27.01	31,773,197	Korito	962	890	715	92.5	-	330	632	-	890	yes				NS	SP	-	-		
27.02	3,277,981	Tumchevishte	234	254	241	108.4	-	234	-	-	254					NS	SP	-	+		
27.03	11,937,192	Forino	2831	4200	4047	148.3	-	2667	170	-	4200		300			NS	SP	-	+		
27.04	21,624,503	Chegrane	4317	7000	6743	162.1	-	3200	1117	-	7000		300			NS	SP, GW	-	+		
28.01	13,013,699	G. Banjica	1267	1800	1662	142.1	-	860	407	1800	-			75 - 80	0.0	4.0	S	SP	-	+	
28.02	14,374,050	G. Gjonovica	75	10	16	13.3	-	-	75	-	10	yes		73 - 78	2.8	6.0	S	SP	-	-	
28.03		D. Banica	2484	5700	5408	229.5	220	1784	480	5700	-			71 - 75	2.0	1.0	S	SP	100	-	
28.04		D. Gjonovica	403	350	234	86.8	-	210	193	-	350			75 - 85	2.6	0.0	S	SP	50	+	
28.05	4,025,755	Mitroj Krsti	40	1		2.5	-	-	40	1				80 - 90	1.5	3.0	S	SP	120	+	
28.06	13,128,296	Simnica	932	800	445	85.8	-	630	302	800	-									-	-
28.07	17,588,621	Sushica (DB)	0	0			-	-	617	205		yes				NS	SP	50	+		
29.01	27,279,819	Zhelezna Reka	617	205	191	33.2	-	-	617	205		yes	1000	78 - 83	4.0	0.0	NS	SP	-	+	
29.02	9,552,769	Kunovo	92	22	18	23.9	-	-	92	-	22	yes		71 - 75	2.0	3.5	S	SP	200	+	
29.03	12,578,202	Lakavica	937	1210	914	129.1	20	755	162	1210	-		200	75 - 80	2.5	1.0	NS	SP	-	+	
29.04	16,972,470	Padalishte	1008	1100	958	110.1	-	-	1008	-	1100	yes		75 - 80	2.0	3.0	S	SP	125	+	
29.05	17,844,734	Srbino	1074	1250	983	116.4	44	384	646	1250	-			75 - 80	2.5	0.0	S	SP	80	+	
29.06	8,294,713	Strajane	535	550	339	102.4	-	-	535	550		yes		77 - 79	2.0	1.0	NS	SP	-	-	
29.07	19,546,128	Trnovo	961	800	548	83.2	-	41	920	-	800	yes		75 - 80	2.6	2.0	S	SP	150	+	
30.01	10,886,509	Vrutok	1345	1580	1126	117.4	180	620	545	1580	-		200	81 - 89	0.6	0.0	S	SP	50	+	
30.02	35,400,721	G. Jelovce	0	2	2		-	-	-	2		yes		80 - 85	2.0	0.0	NS	SP	-	+	
30.03	11,440,055	D. Jelovce	190	20	18	10.5	-	-	190	-	20	yes		71 - 85	2.0	3.0	S	SP	-	+	
30.04	3,251,266	Zdunje	1111	1057	1632	95.1	-	41	1070	1057	-		610			S	SP	-	+		
30.05	2,602,700	Leshnica	133	128	127	96.2	-	30	103	-	128					NS	SP	-	+		
30.06	11,212,791	Pechkovo	300	78	53	26.0	-	-	300	-	78	yes				NS	SP	-	+		
30.07	4,307,400	Raven	1166	1550	1507	132.9	-	966	20	1550	-			75 - 80	2.0	2.0	S	SP	100	-	
30.08	9,910,910	Rechane	1679	1520	995	90.5	165	1420	94	1520	-		200	75 - 80	1.5	3.0	S	SP	120	+	
		Sub-total*	82512	121462	108897	77.7	2368	30255	30242	67735	18722				141.8	94.4			4570		
		Average*	896.9	1320.2	1281.1	90.8	112.8	775.8	360.0	1302.6	567.3				2.4	1.6			101.6		
		Total	83449	122672	109811	7846.1	2388	31010	30404	68945	18722				143.8	97.9			4770		

\*excluding city

S: Suitable SW: Surface water  
 NS: Not suitable SP: Spring water  
 GW: Groundwater



Table 1.3(1/2) VILLAGE WATER SUPPLY INVENTORY OF TETOVC FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					RHP	Village				
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others									
91.01	24,659,215	Veje	765	1100	381	143.8	15	485	265	1100	-	yes	80 - 85	3.0	0.0	S	SP	100	+	
91.02	5,759,480	G.Rechica	2398	4000	3676	166.8	217	1731	450	4000	-		71 - 75	2.6	4.0	S	SP	250	+	
91.03	5,490,988	Lavce	61	340	268	557.4	-	-	61	340	-		75 - 80	1.5	0.0	S	SP	80	-	
91.04	2,004,558	M.Rechica	1963	4500	7005	229.2	186	1517	260	4500	-		71 - 80	2.8	3.0	S	SP	250	-	
91.05	6,201,112	Sarakjino	534	1300	955	243.4	-	474	60	1300	-		80 - 85	2.4	2.0	S	GW,SP	-	-	
91.06	14,733,497	Selce	1783	2100	2124	117.8	-	1600	183	2100	-	yes	80 - 85	2.6	2.0	S	SP	200	-	
91.07	22,518,026	TETOVO city	35746	55000	50344	153.9	-	-	-	-	-		6330	-	-	S	SP	2000	+	
91.08	4,035,810	Falishte	320	570	565	178.1	-	230	90	570	-		75 - 80	2.0	0.0	S	GW,SP	-	+	
92.01	13,561,585	Gjermo	951	1100	991	115.6	-	-	951	1100	-	yes	68 - 69	-	-	S	SP	100	+	
92.02	1,491,274	Jedlarce	13	1	11	-	-	-	13	1	-		80 - 85	2.0	0.0	S	SP	80	-	
92.03	3,837,039	Otunje	29	0	-	-	-	-	29	-	-	yes	75 - 85	2.5	0.0	-	-	-	+	
92.04	5,237,163	Potoj	1998	2700	2443	135.1	135	1690	173	2700	-		75 - 80	2.5	7.0	S	SP	200	+	
92.05	3,761,064	Setole	9	6	7	-	-	-	9	6	-	yes	80 - 85	2.8	0.0	S	SP	60	+	
92.06	4,495,248	Dzhepshishte	2645	3600	3834	136.1	600	1865	180	3600	-		71 - 80	2.3	2.5	S	SP	200	-	
93.01	13,717,063	Brezno	67	0	2	-	-	-	67	-	-	yes	75 - 80	1.2	0.0	-	-	-	+	
93.02	6,259,380	Vurvara	54	12	7	22.2	-	-	54	12	-	yes	80 - 85	2.5	0.0	S	SP	50	-	
93.03	3,808,312	Glogji	1203	1500	1256	124.7	218	684	301	1500	-		80 - 85	2.5	2.5	S	SP	200	+	
93.04	18,259,908	Dobroshte	2652	4000	3263	150.8	-	30	2622	4000	-		800	75 - 85	2.5	3.0	S	SP	200	+
93.05	8,492,671	Jeloshnik	18	0	-	-	-	-	18	-	-	yes	80 - 85	1.5	0.0	-	-	-	+	
93.06	9,881,298	Leshok	718	543	399	75.6	116	452	150	543	-		71 - 80	4.0	1.0	S	SP	150	+	
93.07	4,838,827	Neproshteno	1061	1480	1251	139.5	100	941	20	1480	-		80 - 85	4.0	1.0	S	SP	200	+	
93.08	9,778,037	Nerashite	2280	3600	3235	157.9	50	1220	1010	3600	-		75 - 80	2.0	4.0	S	SP	200	+	
93.09	11,013,389	Odrj	1716	2300	1608	134.0	260	1176	280	2300	-		75 - 85	3.5	2.0	S	SP	200	+	
93.10	7,041,700	Prvce	109	0	-	-	-	-	109	-	-	yes	-	-	-	-	-	-	+	
93.11	4,958,846	Prshovce	1638	2600	2117	158.7	60	1038	600	2600	-		80 - 85	2.6	0.0	S	SP	200	+	
93.12	6,663,896	Slatino	2707	4300	3893	158.8	100	2063	544	4300	-		75 - 80	4.3	3.0	S	SP	250	+	
93.13	31,862,695	Tearce	3509	4500	3766	128.2	574	2455	480	4500	-		71 - 80	4.0	5.0	S	SP	300	+	
94.01	7,662,482	Blace	493	365	375	74.0	-	93	400	365	-		75 - 83	3.7	1.0	S	SP	100	+	
94.02	5,696,873	Brvenica	1352	2692	2700	199.1	-	1172	180	2692	-		300	80 - 85	4.0	2.0	S	GW,SP	200	+
94.03	22,101,679	Volkovija	399	262	269	65.6	-	80	319	262	-		80 - 85	4.5	1.0	S	SP	100	+	
94.04	48,183,442	Grgumica	1242	1200	1428	96.6	-	-	1242	-	1200	yes	400	80 - 85	1.0	0.0	NS	SP	-	-
94.05	4,814,692	D.Sedlarce	528	671	680	127.1	-	466	62	671	-		300	80 - 85	2.5	0.0	S	GW,SP	-	+
94.06	22,147,266	Miletino	1609	2100	1786	130.5	35	1354	220	-	2100		900	80 - 85	2.0	0.0	NS	SP,GW	-	+
94.07	3,634,101	Radiovce	630	1000	1026	158.7	-	600	30	-	1000		-	-	-	NS	SP,GW	-	+	
94.08	16,410,640	Stenche	405	215	184	53.1	-	30	375	215	-		75 - 80	2.5	0.0	S	SP	100	+	
94.09	5,933,514	Tenovo	1226	1600	1469	130.5	16	940	270	1600	-		-	0.0	3.0	S	SP	100	+	
94.10	27,761,230	Chelopek	3801	5600	4876	147.3	305	2470	1026	5600	-		800	80 - 85	1.5	0.5	NS	SP,GW	-	-
95.01	5,452,205	G.Palchishte	861	1200	1166	139.3	461	170	230	1200	-		80 - 85	2.0	1.9	S	-	120	+	
95.02	4,505,162	G.Sedlarce	1069	1650	1483	154.3	-	993	76	-	1650		350	85 - 90	2.0	4.0	S	GW	250	+
95.03	8,018,176	D.Palchishte	1889	2900	2621	153.5	75	1334	480	2900	-		75 - 80	3.0	2.5	S	SP	200	+	
95.04	24,952,698	Jelovjane	743	879	719	118.3	24	664	55	879	-	yes	75 - 85	2.6	1.5	S	SP	100	-	
95.05	5,984,654	Kamenjane	2869	4700	4080	163.8	42	1810	1017	4700	-		75 - 80	4.0	5.0	S	SP	250	-	
95.06	1,904,405	Novake	280	340	331	121.4	-	16	264	340	-		75 - 80	1.5	0.0	S	SP	60	-	
95.07	2,602,548	Sinichane	861	1300	925	151.0	35	466	360	1300	-		75 - 80	2.0	2.0	S	SP	120	+	
95.08	17,074,525	Urvich	747	780	811	104.4	15	-	732	780	-	yes	85 - 90	2.5	2.5	S	SP	150	+	
96.01	10,948,093	Bogovinje	3661	5400	5670	147.5	200	2777	684	5400	-		75 - 80	4.0	3.0	S	SP	250	+	
96.02	2,142,503	Zherovjane	658	1000	861	151.9	-	650	8	-	1000		-	-	-	NS	SP,GW	-	+	
96.03	35,837,205	Novo Selo (Bog)	1127	1750	1450	155.3	-	47	1080	1750	-	yes	75 - 80	1.0	2.0	S	SP	200	+	
96.04	9,260,632	Pirok	2977	5200	3884	174.7	386	2430	161	2600	2600		75 - 80	2.0	0.0	S	SP	300	-	

Table 1.3(2/2) VILLAGE WATER SUPPLY INVENTORY OF TETOVO FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1991			in 1991					Type of fund					
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
96.05	9,160,350	Rakovce	880	980	828	111.3	330	550	980	-	-						NS	GW	-	-
96.06	3,860,621	Selce Kech	328	480	308	146.3	-	38	290	-	480	yes					NS	SP	-	+
97.01	56,753,487	Bozovce	1092	1200	1012	109.9	-	490	602	1200	-	yes					S	SP	150	+
97.02	14,980,007	Brodec	785	850	553	108.3	12	465	308	850	-	yes					S	SP	100	-
97.03	31,696,164	Veshala	1299	1650	1045	127.0	30	50	1219	1650	-	yes		73 - 75	1.0	2.5	S	SP	100	+
97.04	7,371,821	Gajre	804	844	802	104.9	30	700	74	844	-	yes					S	SP	100	-
97.05	14,364,809	Lisec	1046	1100	814	105.1	-	716	330	1100	-	yes		80 - 85	2.0	3.0	S	SP	200	+
97.06	20,264,305	Shipkovic	2106	2900	2571	137.7	35	1270	801	2900	-	yes		80 - 90	2.2	2.6	S	SP	200	+
98.01	6,492,680	G.Leshnica	407	280	242	68.8	-	45	362	-	280						NS	SP	-	-
98.02	6,787,764	Grupchin	627	1050	876	167.5	-	95	532	1050	-			71 - 75	2.2	3.0	S	SP	100	+
98.03	12,422,042	Dobarce	1042	1650	1536	158.3	-	854	188	1650	-			80 - 85	3.5	1.0	S	SP	120	+
98.04	5,536,607	D.Leshnica	409	600	582	146.7	-	172	237	-	600						NS	SP	-	+
98.05	16,384,304	Zhelino	2351	3900	3679	165.9	80	1951	320	3900	-			85 - 90	1.0	3.5	S	SP	250	-
98.06	4,933,708	Kopachin Dol	600	850	852	141.7	50	480	70	-	850			80 - 85	5.5	1.0	S	SP	100	+
98.07	20,383,519	Larce	1149	1780	1735	154.9	-	949	200	1780	-			71 - 75	2.5	1.5	S	SP	100	+
98.08	40,979,481	Lukovica	238	34	37	14.3	-	18	220	34	-	yes		80 - 85	2.5	0.0	S	SP	60	+
98.09	15,452,572	Merovo	718	900	918	125.3	-	188	530	900	-	yes		80 - 85	3.0	0.0	S	SP	80	-
98.10	5,465,125	Novo Selo (Ze)	434	700	666	161.3	-	166	268	700	-				0.0	2.0	S	SP	80	+
98.11	1,656,799	Ozornishte	314	600	970	191.1	-	300	14	-	600			75 - 80	2.0	0.0	NS	SP	-	+
98.12	2,249,750	Palatica	750	2200	1926	293.3	-	705	45	-	2200						S	SP	150	+
98.13	5,884,837	Rogle	377	560	540	148.5	-	113	264	560	-			75 - 80	2.0	0.5	S	SP	80	+
98.14	29,708,016	Sedlarevo	1098	1450	1508	132.0	-	8	1090	-	1450	yes					NS	SP	-	-
98.15	6,593,777	Strimnica	1406	2200	2194	156.5	-	1330	76	1100	1100			80 - 85	2.4	2.0	S	GW	120	+
98.16	4,477,996	Trebosh	1010	2200	2001	217.8	-	925	85	-	2200						NS	SP	-	+
98.17	11,926,563	Cerovo	442	450	435	101.8	-	360	82	-	450			80 - 85	1.2	0.5	NS	SP	-	+
98.18	3,651,539	Chiflik	670	970	1063	144.8	40	260	370	-	970			75 - 85	3.0	1.0	S	SP	150	+
99.01	4,938,610	Zhilche	770	695	648	90.2	-	735	35	695	-			360			S	SP	150	+
99.02	5,133,570	Janchishte	668	644	610	96.4	40	604	24	644	-			71 - 75	1.5	1.0	S	SP	80	+
99.03	9,955,029	Jegunovce	1134	1053	868	92.8	525	290	319	1053	-			71 - 75	2.5	1.0	S	SP	250	+
99.04	10,415,183	Kopance	698	313	869	44.8	-	505	193	313	-			71 - 75	2.0	0.0	S	SP	100	+
99.05	2,244,874	Podbrege	206	231	176	112.1	-	190	16	231	-			71 - 75	1.5	0.0	S	SP	80	+
99.06	4,161,659	Preljubishte	394	339	341	86.0	-	362	32	339	-						S	SP	100	+
99.07	15,833,499	Raotince	934	740	648	79.2	-	424	510	740	-			71 - 75	1.5	1.5	S	SP	100	+
99.08	3,212,968	Ratae	395	411	403	104.0	-	345	50	-	411						NS	SP, GW	-	+
99.09	10,220,055	Sirichino	641	507	435	79.1	-	524	117	-	507			75 - 80	1.5	0.0	S	GW	100	+
99.10	8,725,324	Tudence	539	493	446	91.4	-	464	75	493	-			71 - 80	3.0	0.0	S	SP	80	+
99.11	3,152,726	Shemshevo	1176	1800	1569	153.0	-	1106	70	-	1800						NS	SP	-	+
100.01	13,661,916	Belovishte	825	908	316	110.0	388	418	19	908	-			1980 - 85	3.5	1.5	S	SP	-	+
100.02	26,067,151	Vratnica	1578	1836	572	116.3	550	1028	1836	-	-			83 - 87	2.5	3.0	S	SP	150	+
100.03	13,245,288	Jazhinice	691	990	870	143.2	25	366	300	990	-	yes		80 - 85	2.5	2.5	S	SP	120	-
100.04	9,492,466	Orashje	802	1100	929	137.1	-	615	187	1100	-			71 - 75	1.5	2.0	S	SP	100	+
100.05	23,500,541	Rogachevo	554	550	353	99.3	-	54	500	550	-	yes		65 - 71	1.0	2.0	S	SP	100	+
100.06	10,264,702	Staro Selo	454	407	230	89.6	-	-	454	407	-						S	SP	100	+
		Sub-total*	95469	134351	121827	11558	6360	59441	32544	108087	23448				172.4	112.5			9770	
		Average*	1049.1	1476.4	1384.4	136.0	176.7	762.1	361.6	1637.7	1234.1				2.4	1.6			145.8	
		Total	131215	189351	172171	11712	6360	59441	32544	108087	23448				172.4	112.5			11770	

\*excluding city

EUDV: Economically Under-developped Village

S: Suitable  
NS: Not suitable  
SW: Surface water  
SP: Spring water  
GW: Groundwater

Table 1.4(1/2) VILLAGE WATER SUPPLY INVENTORY OF KICHEVO FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance		
			1971	1991	1994	Rate	in 1971								in 1991						Type of fund	
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				Level3	Others					RHP	Village
40.01	20,872,605	KICHEVO	15393	30000	25129	194.9	-	-	48	-	21	600.0				S	SP	600	+			
40.02	5,514,981	Knezhino	48	21	6	43.7	-	-	48	-	21					NS	SP	-	+			
40.03	2,235,713	Lazarovci	166	118	110	71.1	-	36	130	-	118	400.0				NS	SP,GW	-	+			
40.04	3,123,274	Mamudovci	247	241	337	97.5	-	137	110	-	241					NS	SP,GW	-	+			
40.05	5,508,497	Osoj	141	467	484	331.2	55	33	53	467	-	400.0	71 - 75	1.2	0.0	S	SP	80	-			
40.06	6,153,314	Rashtani	238	573	753	240.7	-	88	150	-	573					NS	SP	-	+			
40.07	5,042,927	Trapchin Dol	578	846	724	146.3	-	470	108	-	846					NS	SP	-	+			
41.01	31,013,934	Belica	466	141	115	30.2	-	-	466	-	141			85 - 90	2.2	0.0	S	SP	60	+		
41.02	7,086,734	Brzhdani	285	153	209	53.7	-	20	265	-	153	300.0				NS	SP	-	+			
41.03	2,486,887	Vidrani	67	27	19	40.3	-	-	67	-	19					NS	SP	-	+			
41.04	10,183,271	G.Carsko	53	13	10	24.5	-	-	53	-	13					NS	SP	-	+			
41.05	19,102,523	G.Dushogubica	107	13	15	12.1	-	-	107	-	13					NS	SP	-	+			
41.06	43,557,131	G.Dobrenoec	237	63	71	26.6	-	-	237	63	-			75 - 85	1.0	0.0	S	SP	-	+		
41.07		D.Dushogubica	80	23	15	28.7	-	-	80	-	23					NS	SP	-	+			
41.08		D.Dobrenoec	92	50	62	54.3	-	-	92	50	-					S	SP	-	+			
41.09	6,769,196	Drugovo	944	1411	1398	149.5	-	494	450	1411	-			75 - 80	3.0	3.0	S	SP	-	+		
41.10	37,065,405	Ehovec	172	37	23	21.5	-	-	172	-	37					NS	SP	-	+			
41.11	16,243,352	Ivanchishia	286	58	57	20.3	-	-	286	-	58	400.0				NS	SP	-	+			
41.12		Izvor	132	56	52	42.4	-	-	132	56	-			80 - 85	2.8	0.0	S	SP	60	+		
41.13	6,471,935	Javorec	142	9	7	6.3	-	-	142	-	9					NS	SP	-	+			
41.14	8,430,185	Judovo	196	46	46	23.5	-	-	196	-	46					NS	SP	-	+			
41.15	15,171,684	Kladnik	164	27	25	16.4	-	-	164	-	27					NS	SP	-	+			
41.16	4,039,380	Klenoec	56	11	22	19.6	-	-	56	11	-			75 - 80	1.5	0.0	S	SP	50	+		
41.17	11,235,942	Kozica	206	97	82	47.1	-	-	206	97	-			85 - 90	3.0	0.0	S	SP	40	+		
41.18	15,752,385	Lavchani	204	28	36	13.7	-	204	-	28	-					NS	SP	-	+			
41.19	11,128,248	Malikoec	219	57	43	26.0	-	9	210	-	57			75 - 80	2.7	0.0	S	SP	40	+		
41.20	12,084,502	Malo Carsko	40	3	5	7.5	-	-	40	-	3					S	SP	-	+			
41.21	11,369,184	Man.Dolenci	188	126	126	67.0	-	-	188	-	126					NS	SP	-	+			
41.22	8,570,591	Podvis	142	92	99	64.8	-	-	142	92	-			75 - 80	1.2	0.0	S	SP	60	+		
41.23	8,542,182	Popoec	267	52	49	19.5	-	7	260	52	-	600.0		75 - 80	2.2	0.0	S	SP	60	+		
41.24	2,261,705	Popolzhnai	171	119	120	69.6	-	80	91	119	-	500.0		75 - 85	2.5	0.0	S	SP	80	+		
41.25	29,970,723	Prostranje	175	38	35	21.7	-	5	170	38	-			80 - 85	2.4	0.0	S	SP	60	+		
41.26	5,579,024	Svinjishia	172	109	98	63.4	-	-	172	-	109	300.0				NS	SP	-	+			
41.27	6,548,286	Srbjani	496	475	508	95.8	-	315	181	475	-			75 - 85	2.5	0.0	S	SP	80	+		
41.28	52,407,578	Cer	672	223	208	33.2	-	12	660	223	-	3150.0		71 - 75	1.0	1.5	S	SP	80	+		
42.01	3,442,812	Arangel	500	607	640	121.4	-	398	102	-	607	400.0				NS	SP,GW	-	+			
42.02	5,568,634	Berikovo	283	230	178	81.2	-	45	238	-	230					NS	SP	-	+			
42.03	2,362,620	Garani	155	5	519	3.2	-	45	110	-	5					NS	SP	-	+			
42.04	3,309,214	Zhubrino	392	448	405	114.3	-	42	350	448	-					NS	SP,GW	-	+			
42.05	6,148,675	Jagol	265	11	362	4.1	40	130	95	-	11					NS	SP	-	+			
42.06	3,923,435	Jagol Dolenci	84	25	17	29.7	-	10	74	-	25					NS	SP	-	+			
42.07	10,500,770	Novo Selo (DR)	238	55	170	23.1	-	68	170	-	55					NS	SP	-	+			
42.08	4,122,018	Oslomej	118	62	57	52.5	-	40	78	62	-			80 - 85	3.0	1.0	S	SP	50	+		
42.09	6,027,005	Papradishite	239	220	119	92.0	-	120	119	-	220					NS	SP	-	+			
42.10	4,842,058	Popovjani	271	310	309	114.4	15	206	50	-	310			75 - 80	2.3	0.0	NS	SP,GW	-	+		
42.11	9,997,212	Premka	205	46	132	22.4	-	15	190	-	46					NS	SP	-	+			
42.12	10,919,699	Srbica	1334	1780	1676	133.4	-	774	560	-	1780	400.0				NS	SP,GW	-	+			
42.13	7,293,342	Strelci	1173	1872	1274	159.6	-	1020	153	-	1872					NS	SP,GW	-	+			

Table 1.4(2/2) VILLAGE WATER SUPPLY INVENTORY OF KICHEVO FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population					Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971			in 1991		RHP				Village					
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others										
42.14	33,341,971	Tuin	1318	1531	1266	116.2	70	494	754	-	1531		400.0			NS	SP	-	-		
42.15	10,488,616				34											NS	SP,GW	-	-		
42.16	6,439,272	Crvicei	1115	1597	1343	138.9	-	1090	25	-	1597				75 - 85	2.6	0.0	NS	SP	-	+
42.17	8,803,079	Shutovo	691	830	669	120.1	-	456	235	-	830							NS	SP	-	+
43.01	2,247,182	Atishta	72	30	41	41.6	-	10	62	-	30							NS	SP	-	+
43.02	10,396,973	Bigor Dolenci	214	204	194	95.3	-	45	160	204	-				71 - 75	2.0	0.0	S	SP	50	+
43.03	15,614,870	Vraneshtica	750	564	496	75.2	-	40	710	564	-				71 75	4.0	1.0	S	SP	100	+
43.04	10,710,281	Dupjani	93	21	17	22.6	-	3	90	21	-				75 - 80	1.2	0.0	NS	SP	-	+
43.05	11,380,158	Karbunica	176	78	81	44.3	-	-	176	78	-				71 - 80	1.5	0.0	S	SP	80	+
43.06	8,598,603	Kozichino	108	35	22	32.4	-	-	108	-	35							NS	SP	-	+
43.07	3,702,506	Krushica	63	15	10	23.8	-	-	63	15	-				74 - 75	1.5	0.0	NS	SP	-	+
43.08	5,183,266	Miokazi	137	62	49	45.2	-	-	137	-	62				75 - 80	1.2	0.0	NS	SP	-	+
43.09	11,999,920	Orlanci	281	95	76	33.8	-	37	244	95	-				80 - 85	2.0	0.0	S	SP	50	+
43.10	7,612,912	Patec	78	11	10	14.1	-	-	78	-	11							NS	SP	-	+
43.11	3,477,585	Rabetino	58	6	6	10.3	-	8	50	-	6							NS	SP	-	+
43.12	5,871,954	Rechani ( Ch )	113	24	31	21.2	-	55	58	-	24							NS	SP	-	+
43.13	5,342,482	Svetorache	69	13	10	18.8	-	-	69	13	-				80 - 85	3.0	0.0	NS	SP	30	+
43.14		Staroc	338	214	219	63.3	-	90	248	214	-				71 - 75	1.6	0.0	S	SP	50	+
43.15	7,106,762	Chelopeci	394	416	388	105.6	-	50	344	416	-				75 - 85	3.6	0.7	S	SP	60	+
44.01	25,273,309	Bachishta	642	683	685	118.8	-	-	642	-	683				1980 - 85	2.6	0.0	S	SP	-	-
44.02	6,564,296	Bukojchani	210	55	96	26.2	-	100	110	55	-				75 - 80	2.2	0.0	S	SP	30	+
44.03		G.Strogomishte	764	1100	1059	143.9	-	684	80	-	1100				80 - 85	2.0	0.0	NS	SP	-	-
44.04	7,724,779	Greshnica	999	1350	1355	135.1	-	859	140	-	1350				71 - 75	1.5	0.0	NS	SP,GW	-	-
44.05	4,469,919	Dlupkin Dol	491	650	583	132.4	-	371	120	-	650							NS	SP	-	+
44.06	9,887,101	D.Strogomishte	439	604	610	137.6	-	309	130	604	-				80 - 85	2.2	0.0	S	SP	-	+
44.07	33,083,226	Zajas	2829	3912	3883	138.3	30	1420	1379	3912	-		400.0		75 - 85	15.0	2.0	S	SP	350	-
44.08	9,905,636	Kolari	695	1054	732	151.6	-	200	495	-	1054							NS	SP,GW	-	+
44.09	3,316,696	Kolibari	482	800	603	165.9	-	436	46	800	-				75 - 85	2.0	0.0	S	SP	-	+
44.10	18,470,010	Leshnica	320	61	178	19.0	-	20	300	-	61							NS	SP	-	+
44.11	7,904,046	Midinci	132	56	47	42.4	-	32	100	-	56				75 - 80	1.4	0.0	NS	SP	-	+
44.12	4,568,818	Rechani ( Z )	97	110	87	113.4	-	27	70	-	110							NS	SP	-	+
44.13	29,928,037	Tajmishte	325	156	137	48.0	-	20	303	156	-				75 - 80	1.0	0.0	S	SP	60	+
		Sub-total*	27599	27831	26844	5571.2	210	11679	15701	10839	16992					88.6	9.2			2280	
		Average*	353.8	356.8	657.9	71.4	52.5	233.6	206.6	373.8	361.5					2.5	0.3			99.1	
		Total	42992	57831	51973	5571.2	210	11679	15701	10839	16992					88.6	9.2			2280	

\*excluding city

EUDV: Economically Under-developped Village

S: Suitable

SW: Surface water

NS: Not suitable

SP: Spring water

GW: Groundwater

Table 1.5(1/2) VILLAGE WATER SUPPLY INVENTORY OF MAKEDONSKI BROD FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance		
			1971	1991	1994	Rate	in 1971								in 1991						Type of fund	
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others				Level 3	Others					RIHP	Village
12.01	11,077,020	Vir	171	51	31	29.8			70	101		51					NS	SW		+		
12.02	16,619,847	G.Krushje	327	77	66	23.5				327		77	yes		75 - 81	2.6	0.0	S	SP	50	+	
12.03	18,665,970	G.Manastirec	136	34	21	25.0				136		34			86 - 91	3.2	0.0	NS	SP		+	
12.04	20,489,350	Greshnica	158	68	39	43.0				158		68						NS	SP		+	
12.05	14,115,711	Devich	215	141	125	65.6			115	100		141			76 - 81	3.8	0.0	NS	SW	100	+	
12.06		D.Manastirec	232	152	133	65.5			40	192		152			71 - 80	2.0	0.0	S	SP	50	-	
12.07		D.Krushje	129	29	36	22.5				129		29	yes		75 - 81	1.5	0.0	NS	SP		+	
12.08	6,926,600	Dragov Dol	80	35	24	43.7				80		35			76 - 81	2.0	0.0	S	GW	50	+	
12.09	14,060,260	Drenovo	121	45	38	37.2				121		45	yes		71 - 75	3.5	0.0	S	SP	50	+	
12.10	8,486,306	Izishite	119	87	79	73.1				119		87			76 - 81	2.0	0.0	NS	SP	50	+	
12.11	44,434,578	Krapa	390	112	93	28.7				390		112	yes		81 - 85	9.5	0.0	S	SP	100	+	
12.12	24,461,365	Latovo	228	114	98	50.0				228		114			71 - 73	2.8	0.0	S	SP	50	+	
12.13	39,395,031	Lokvica	567	125	119	22.0				30	537	125	yes		75 - 85	10.0	0.0	NS	SW	250	+	
12.14	10,163,733	BROD	1219	3259	3358	267.3	300	420	499	3259				7850	1975 - 81	1.5	4.8	S	SP	600	+	
12.15	13,708,824	Modrishte	167	97	86	53.9			20	147		97			75 - 80	2.3	0.0	S	SP	50	+	
12.16	8,321,749	Oreovec	108	77	85	71.3	25			83		77			81 - 85	1.5	0.0	S	SP	50	+	
12.17	13,352,602	Rusjaci	237	79	68	33.3				237		79			81 - 85	1.8	2.8	S	SP	50	+	
12.18	17,314,136	Slansko	406	246	218	60.6	10	115		281		246			75 - 80	3.5	0.0	S	SP	80	+	
12.19	19,655,714	Slatina	182	58	51	31.9				182		58						S	SP	50	+	
12.20		Staro Selo	65	11	7	16.9				65		11		500				NS	SP		+	
12.21	8,871,610	Suvodol	116	174	188	150.0				116		174			80 - 85	3.0	0.0	S	SP	50	-	
12.22	10,285,638	Tomino Selo	182	66	56	36.3				182		66	yes		85 - 90	3.5	0.0	S	SP	50	+	
12.23	15,496,490	Topolnica	180	71	63	39.4			25	155		71			80 - 85	1.5	0.8	S	SP	50	+	
12.24	8,755,800	Trebino	189	203	204	107.4			30	159		203		500	75 - 80	3.2	0.0	S	SP	50	-	
12.25	52,071,056	Creshnevo	483	267	231	55.3				483		267			72 - 80	4.5	0.0	S	SP	100	+	
13.01	89,024,235	Belica	359	162	146	45.1				359		162						NS	SP		+	
13.02	14,996,330	Benche	264	71	65	26.9				264		71	yes					NS	SP		+	
13.03	12,978,696	Bitovo	305	109	85	35.7				305		109						NS	SP		+	
13.04	6,268,682	Bhizansko	130	65	52	50.0				130		65	yes					NS	SP		+	
13.05	40,856,210	Breznica	349	97	94	27.8				349		97	yes					NS	SP		+	
13.06	16,957,203	Brest	427	258	234	60.4				427		258	yes	500				NS	SP		+	
13.07	21,399,171	Volche	294	44	33	14.9				294		44	yes	500				NS	SP		+	
13.08	26,024,920	G.Botushe	574	61	44	10.6				574		61	yes					NS	SP		+	
13.09		D.Botushe	443	71	51	16.2			15	428		71	yes					NS	SP		-	
13.10	2,338,650	Zagrad	114	34	26	29.8				114		34	yes					NS	SP		+	
13.11	7,249,930	Zvechan	286	121	120	42.3			10	276		121						NS	SP		+	
13.12	69,421,704	Zdunje	352	28	23	7.9				352		28						NS	SP		+	
13.13	5,787,301	Zrkle	218	117	104	59.7			30	188		117						NS	SP		-	
13.14	6,794,350	Inche	108	53	45	49.0			8	100		53	yes					NS	SP	50	-	
13.15	6,776,800	Kalugjerac	150	74	73	49.3				150		74						NS	SP		+	
13.16		Kovach	168	100	79	59.9			38	130		100			86 - 90	1.5	0.0	NS	SP		+	
13.17	1,966,896	Kovche	67	32	25	47.7			30	37		32	yes					NS	SP		-	
13.18	6,004,295	Kosovo	318	128	100	40.2				318		128			86 - 90	1.2	0.0	NS	SP		+	
13.19	13,868,586	Lupishite	270	120	90	44.4			15	255		120	yes		85 - 87	2.6	0.0	S	SP	50	+	
13.20	8,755,379	Mogilec	166	60	58	36.1			10	156		60			85 - 87	1.0	0.0	S	SP	50	-	
13.21	18,958,293	Ramce	325	95	60	29.2			15	310		95	yes					NS	SW		+	
13.22	8,437,993	Rastesh	456	121	92	26.5			20	436		121	yes	1250				NS	SP		-	
13.23	14,218,410	Samokov	209	233	292	111.5			65	144		233			75 - 80	4.0	2.0	S	SP	100	+	

Table 1.5(2/2) VILLAGE WATER SUPPLY INVENTORY OF MAKEDONSKI BROD FORMER MUNICIPALITY)

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1991													
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others									
															RHP	Village				
13.24	7,448,690	Sushica	117	24	24	20.5		80	37	24		yes		80 - 85	4.5	0.0	S	SP	50	+
13.25	49,152,606	Tazevo	218	24	24	11.0		10	208		24	yes		80 - 82	1.2	1.0	NS	SP		+
13.26	16,734,951	Trebovlje	96	22	18	22.9				96		yes					NS	SP		+
14.01	12,964,851	Dvorci	91	30	27	32.9		15	76	30				81 - 85	3.3	0.0	S	SP	50	+
14.02	11,865,277	Lisichani	973	1415	1001	145.4	25	490	458	1415				71 - 85	4.0	3.0	S	SP	70	-
14.03	17,288,600	Plasnica	1810	2509	2390	138.6	-	860	950	2509			550	81 - 85	4.3	0.0	NS	SP,SW	100	-
14.04	12,212,325	Preglovo	720	1130	1031	156.9		440	280	1130			850	85 - 90	2.0	0.0	S	SP	100	+
		Sub-total*	16784	13086	12023	2902.5	360	3016	13408	10948					98.8	14.4			2550	
		Average*	345.9	246.9	216.9	48.3	25.0	126.5	273.4	690.1					2.7	0.5			68.9	
		Total	16784	13086	12023	2902.5	360	3016	13408	10948	2138				98.8	14.4			2550	

\*excluding city

EUDV: Economically Under-developped Village

S: Suitable SW: Surface water  
 NS: Not suitable SP: Spring water  
 GW: Groundwater

Table 1.6(1/3) VILLAGE WATER SUPPLY INVENTORY OF KUMANOVO FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance	
			1971	1991	1994	Rate	in 1971		in 1991						RIHP	Village					
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others										
53.01	11,856,266	Agino Selo	922	924	811	100.2	-	600	322	-	924	-	-	1975 - 85	0.0	3.8	NS	SP,GW	-	+	
53.02	5,348,071	Bedinje	1446	2897	2080	200.3	300	960	186	2897	-	-	-	-	-	-	S	SW	-	-	
53.03	9,906,735	Biljanovce	372	862	829	231.7	-	190	182	-	862	-	-	-	-	-	NS	SP,GW	-	-	
53.04	6,941,226	Brzak	106	107	88	100.9	-	16	90	107	-	-	-	80 - 85	2.6	0.0	S	SP	-	+	
53.05	3,263,725	Vak'v	234	131	122	55.9	-	24	210	-	131	-	-	71 - 75	2.0	0.0	NS	SP	-	+	
53.06	20,119,947	Vince	538	147	113	27.3	-	73	465	-	147	yes	-	71 - 75	1.5	0.0	NS	SP	-	+	
53.07	13,988,405	G.Konjare	1045	1200	1106	114.8	42	700	303	-	1200	-	-	-	-	-	NS	SP	-	+	
53.08	6,455,522	D'lga	322	208	-	64.6	-	282	40	-	208	yes	-	-	-	-	NS	SP	-	+	
53.09	13,089,344	Dobroshane	540	1376	1384	254.8	-	140	400	-	1376	-	500	-	-	-	NS	GW	-	+	
53.10	10,733,402	D.Konjare	998	1102	1159	110.4	20	648	330	-	1102	-	700	-	-	-	NS	GW,SP	-	+	
53.11	5,017,889	Karabichane	226	55	53	24.3	-	70	156	-	55	yes	-	-	-	-	NS	SP	-	+	
53.12	-	Karposh	0	4381	4540	-	-	-	-	-	4381	-	-	-	-	-	S	SW	-	-	
53.13	19,815,170	KUMANOVO	46363	75000	65233	161.7	-	-	-	-	-	-	11550	-	-	-	S	SW	1200	+	
53.14	8,561,125	Lopate	1602	2600	2320	162.3	60	1212	330	-	2600	-	-	-	-	-	NS	GW,SP	-	+	
53.15	5,465,593	Ljubodrag	531	696	677	131.0	-	433	98	-	696	-	-	-	-	-	NS	SP	-	+	
53.16	3,026,955	Novo Selo (Ku)	364	347	316	95.3	-	250	114	-	347	-	-	-	-	-	NS	SP	-	-	
53.17	5,511,430	Proevce	653	1833	1944	280.7	30	434	189	1833	-	-	-	85 - 90	2.5	2.5	S	SW	-	-	
53.18	25,961,105	Pchinja	1011	849	777	83.9	-	720	291	-	849	-	-	-	-	-	NS	GW,SP	-	+	
53.19	5,989,734	Rezhanovce	600	612	679	102.0	-	358	242	-	612	-	-	-	-	-	NS	GW,SP	-	+	
53.20	4,480,883	Rechica (Ku)	443	538	498	121.4	-	433	10	-	538	-	-	-	-	-	NS	GW,SP	-	+	
53.21	24,801,729	Romanovce	2238	2700	2591	120.6	80	1750	408	-	2700	-	-	-	-	-	NS	GW,SP	-	-	
53.22	7,011,002	Sopot	687	500	353	72.8	-	417	280	500	-	yes	-	80 - 87	3.0	2.0	S	SP	80	-	
53.23	15,556,207	Srudena Bara	870	420	403	48.3	-	335	535	-	420	-	-	-	-	-	NS	GW,SP	-	+	
53.24	8,731,992	Sushevo	193	66	58	34.2	-	85	108	-	66	yes	-	-	-	-	NS	SP	-	-	
53.25	14,943,364	Tabanovce	1194	1200	885	100.5	30	580	584	1200	-	-	500	80 - 90	2.5	3.0	S	SP	125	+	
53.26	9,619,713	Tromegja	1054	1296	1291	122.9	40	217	797	1296	-	-	400	80 - 85	5.0	3.0	S	GW	150	+	
53.27	8,545,526	Umin Dol	635	512	480	80.6	-	524	111	-	512	-	-	-	-	-	NS	GW,SP	-	+	
53.28	3,496,947	Cherkezi	1205	163	3417	13.5	20	940	245	163	-	-	-	80 - 85	1.5	1.5	S	SP	120	-	
53.29	13,691,278	Chetirec	791	361	258	45.6	-	481	310	-	361	-	1000	-	-	-	NS	SP	-	+	
53.30	10,221,002	Shupli Kamen	504	136	124	26.9	-	227	277	-	136	-	-	-	-	-	NS	GW,SP	-	+	
54.01	2,772,855	Alashevce	334	300	158	89.8	-	200	134	-	300	-	-	-	-	-	NS	SP	-	+	
54.02	9,047,872	Belanovce	241	71	12	29.4	50	120	71	-	71	yes	-	-	-	-	NS	SP	-	-	
54.03	17,627,552	Vaksince	2013	2398	2244	119.1	-	935	1078	-	2398	yes	-	-	-	-	NS	GW,SP	-	-	
54.04	6,873,450	Vishitica	732	1023	942	139.7	-	342	390	-	1023	-	-	-	-	-	NS	SP	-	+	
54.05	10,496,410	Glazhnja	252	0	76	-	20	-	232	-	-	yes	-	-	-	-	-	-	-	+	
54.06	33,886,319	Goshince	512	518	646	101.2	-	-	512	-	518	yes	-	-	-	-	NS	SP	-	+	
54.07	13,033,962	Dumanovce	605	9	1.5	-	-	-	605	-	9	yes	-	-	-	-	-	NS	SP	-	+
54.08	2,202,915	Ziokukjane	71	68	26	95.8	-	71	-	-	68	yes	-	-	-	-	NS	SP	-	-	
54.09	5,827,258	Izvor	293	0	30	-	-	114	179	-	-	-	-	-	-	-	-	-	-	+	
54.10	13,424,683	Lipkevo	1741	3000	2339	162.8	-	1531	210	-	3000	-	700	-	-	-	NS	GW,SP	-	-	
54.11	18,606,980	Lojane	1843	3000	2274	187.2	20	1492	331	3000	-	-	-	75 - 80	2.4	2.5	NS	GW,SP	70	+	
54.12	34,141,281	Matejche	2616	3400	3137	129.9	20	1416	1180	3400	-	-	-	79 - 85	2.0	1.0	S	SP	310	+	
54.13	20,484,583	Nikushtak	1411	1500	1558	106.3	-	390	1021	1500	-	-	-	75 - 85	4.5	1.5	S	SP	250	+	
54.14	3,443,381	Opae	1081	1900	1886	175.7	-	1045	36	-	1900	-	-	-	-	-	NS	GW,SP	-	+	
54.15	4,943,523	Orizari	1282	1700	1847	132.6	32	1150	100	1700	-	-	-	75 - 85	3.0	2.0	S	SP	125	+	
54.16	17,146,649	Olja	1938	2600	1685	134.1	70	1000	868	-	2600	-	-	-	-	-	NS	GW,SP	-	-	
54.17	2,855,715	R'akovce	201	0	35	-	-	-	201	-	-	yes	-	-	-	-	-	-	-	-	
54.18	4,999,620	Ropalce	815	1060	1060	130.0	15	525	275	-	1060	-	-	-	-	-	NS	GW,SP	-	+	

Table 1.6(2/3) VILLAGE WATER SUPPLY INVENTORY OF KUMANOVO FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					RHP	Village				
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others									
54.19	17,645,189	Runica	705	438	182	62.1	-	280	425	-	438	yes				NS	GW,SP	-	+	
54.20	16,844,876	Slupchane	2249	2900	3107	128.9	-	1380	869	-	2900					NS	GW,SP	-	-	
54.21	5,214,803	Strazha	89	0			-	40	49	-	-	yes						-	+	
54.22	8,552,417	Strima	305	0	98		-	32	208	-	-	yes						-	+	
55.01	7,222,204	Gabresh	169	86	82	50.9	-	44	125	-	86					NS	SP	-	+	
55.02	13,098,918	Gradishte	524	257	213	49.0	20	110	394	-	257		300			NS	SP	-	-	
55.03	13,608,511	Zhivenje	253	69	56	27.3	-	113	140	-	69		50	85 - 90	3.0	0.0	S	GW	50	+
55.04	12,512,142	K'shanje	369	92	83	24.9	-	59	310	-	92					NS	SP	-	-	
55.05	14,914,372	Kokoshinje	417	82	69	19.6	-	92	325	-	82	yes	200			NS	SP	-	-	
55.06	9,354,999	Kolicko	366	143	127	39.0	-	6	360	-	143	yes				NS	SP	-	+	
55.07	3,226,408	Kutlibeg	132	16	27	12.1	-	50	82	-	16	yes				NS	SP	-	-	
55.08	7,528,417	Kuchkarevo	298	161	165	54.0	-	63	235	-	161	yes				NS	SP	-	-	
55.09	7,693,129	Novoseljane	421	114	86	27.1	15	218	188	-	114	yes				NS	SP	-	-	
55.10	22,809,404	Orashac	1000	482	480	48.2	52	204	774	482	-			71 - 75	2.5	1.5	S	SP	80	+
55.11	13,219,010	Pezovo	442	84	84	19.0	-	124	318	-	84					NS	SP	-	-	
55.12	10,331,896	Skachkovce	474	221	166	46.6	-	25	449	-	221	yes				NS	GW,SP	-	+	
56.01	10,493,592	Aljinca	314	92	79	29.3	-	40	274	-	92					NS	SP	-	+	
56.02	16,231,321	Beljakovce	694	148	119	21.3	-	40	654	-	148					NS	SP	-	-	
56.03	1,727,436	Vojnik	129	86	87	66.7	-	35	94	-	86					NS	GW,SP	-	+	
56.04	12,734,753	Dovezence	612	214	167	34.9	35	277	300	-	214					NS	SP	-	+	
56.05	16,527,074	Drenok	517	157	114	30.4	17	-	500	-	157	yes				NS	SP	-	-	
56.06	7,981,028	Zubovce	395	112	98	28.3	45	150	200	-	112					NS	SP	-	+	
56.07	7,873,015	Jachince	389	139	93	35.7	-	179	210	-	139					NS	SP	-	+	
56.08	18,289,747	Klechevce	1165	693	615	59.5	30	430	705	-	693		300			S	GW	80	+	
56.09	6,372,256	Kosmatic	460	105	81	22.8	-	270	190	-	105					NS	SP	-	-	
56.10	10,884,776	Murgash	455	94	87	20.6	-	294	161	-	94	yes				NS	SP	-	-	
56.11	9,273,458	Oblavce	407	179	180	43.9	-	50	357	-	179					NS	SP	-	-	
56.12	21,954,194	Orah	707	202	182	28.5	-	97	610	-	202	yes				NS	SP	-	-	
56.13	13,136,591	Rugjinca	550	135	124	24.5	10	50	490	-	135	yes				NS	SP	-	-	
56.14	10,404,750	Strezovce	493	155	136	31.4	-	225	268	-	155					NS	SP	-	-	
57.01	15,250,195	Algunja	650	288	288	44.3	-	150	500	-	288	yes				NS	SP	-	-	
57.02	8,348,680	Arbanashko	194	75	63	38.6	-	68	126	-	75	yes				NS	SP	-	+	
57.03	23,062,828	Bajlovce	536	178	153	33.3	-	30	506	-	178	yes				NS	SP	-	-	
57.04	1,631,155	Breshko	53	28	16	32.8	-	10	43	-	28	yes				NS	SP	-	-	
57.05	5,729,989	Bukovljane	200	89	80	44.5	-	25	175	-	89	yes				NS	SP	-	+	
57.06	5,487,046	Vragoturce	158	71	68	44.9	-	-	158	-	71	yes				NS	SP	-	-	
57.07	3,340,193	Vrachevce	56	25	25	44.6	-	6	50	-	25			75 - 80	1.0	0.0	NS	SP	-	-
57.08	15,866,711	Dejlovce	306	70	60	22.8	-	54	252	-	70	yes				NS	SP	-	+	
57.09	11,978,504	Dlabochica	278	85	83	30.5	-	-	278	-	85	yes				NS	SP	-	-	
57.10	9,979,079	Dobracha	184	100	92	54.3	-	64	120	-	100	yes				NS	SP	-	-	
57.11	4,494,817	Dragomance	226	166	148	73.4	10	6	210	-	166		700			NS	GW	40	+	
57.12	10,015,509	Zhegljane	289	128	112	44.3	-	100	189	-	128	yes				NS	SP	-	+	
57.13	6,071,973	Zhejjuvino	206	69	64	33.5	-	-	206	-	69	yes				NS	SP	-	-	
57.14	13,293,405	Kanarevo	465	146	129	31.4	-	27	438	-	146	yes				NS	SP	-	-	
57.15	2,892,824	Karlovice	66	18	16	27.3	-	16	50	-	18					NS	SP	-	-	
57.16	5,487,351	Koince	230	106	86	46.1	-	30	200	-	106					NS	SP	-	-	
57.17	8,101,588	Kokino	178	71	59	39.9	-	-	178	-	71	yes				NS	SP	-	+	
57.18	10,378,580	M'glence	303	137	118	45.2	-	3	300	-	137	yes				NS	SP	-	-	



Table 1.6(3/3) VILLAGE WATER SUPPLY INVENTORY OF KUMANOVO FORMER MUNICIPALITY)

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971		in 1991						RIHP	Village				
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others									
57.19	7,019,803	Makresh	270	68	58	25.2	-	70	200	-	68					NS	SP	-	+	
57.20	10,767,723	Malotino	219	63	64	28.7	-	25	194	-	63	yes				NS	SP	-	+	
57.21	48,167,044	M.Nagorichane	2822	1593	1488	56.4	20	912	1890	1200	393			75 - 91	5.0	6.0	S	GW	250	+
57.22	14,596,439	Nikuljane	682	290	259	42.5	-	56	626	155	135			75 - 85	3.5	2.0	S	SP	80	+
57.23	3,864,500	Osiče	67	20	17	29.8	-	7	60	-	20	yes				NS	SP	-	+	
57.24	26,296,278	Pelince	551	272	221	49.3	-	180	371	200	72	yes		80 - 85	3.0	0.0	S	GW	60	-
57.25	1,723,977	Puzaljka	127	69	63	54.3	25	102	-	69	-					NS	SP	-	+	
57.26	17,535,189	Ravno	261	62	40	23.7	-	-	261	-	62	yes				NS	SP	-	+	
57.27	14,905,040	St.Nagorichane	1271	716	638	56.3	20	165	1086	650	66		500	75 - 85	6.0	2.0	S	SP	100	+
57.28	11,323,897	Stepance	297	155	118	52.2	-	100	197	-	155	yes				NS	SP	-	-	
57.29	6,266,014	Strmovac	312	122	106	39.1	-	32	280	-	122	yes				NS	SP	-	-	
57.30	4,370,189	Cvetishnica	93	22	30	23.6	-	-	93	-	92	yes				NS	SP	-	+	
57.31	6,543,690	Cviljanec	158	82	60	51.9	-	20	138	-	82	yes				NS	SP	-	-	
57.32	15,916,887	Chelopek	555	320	252	57.6	-	155	400	320	-	yes		75 - 91	5.0	1.0	S	GW,SP	125	+
		Sub-total*	67068	64126	61581	7091.6	1148	30820	35075	20672	43524				61.5	35.3			2095	
		Average*	615.3	588.3	575.5	68.9	42.5	321.0	334.0	1216.0	489.0				3.1	1.8			123.2	
		Total	113431	139126	126814	7253.3	1148	30820	35075	20672	43524				61.5	35.3			3295	

\*excluding city

EUDV: Economically Under-developed Village

S: Suitable SW: Surface water  
 NS: Not suitable SP: Spring water  
 GW: Groundwater

Table 1.7 VILLAGE WATER SUPPLY INVENTORY OF KRATOVO FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance		
			1971	1991	1994	Rate	in 1971		in 1991						Type of fund	RIHP					Village	
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others											
50.01	5,570,099	Blizanci	42	20	9	47.6	-	-	42	-	20	yes					NS	SP	-	+		
50.02	7,962,325	Vakuf	350	156	138	44.6	-	59	291	-	156		769.5		1975 - 80	1.5	0.0	NS	SW	-	-	
50.03	15,403,251	G.Kratovo	232	55	67	23.7	-	-	232	-	55						NS	SP	-	+		
50.04	9,894,914	Dimonce	424	97	64	22.9	-	14	410	-	97						NS	SP	-	-		
50.05	24,332,742	Emirica	239	47	37	19.6	-	-	239	-	47	yes					NS	SP	-	-		
50.06	9,167,218	Zheleznica	393	282	267	71.7	-	-	393	282	-		800		80 - 85	3.0	0.0	S	SW	-	-	
50.07	4,524,964	Zhivalevo	225	170	164	75.5	-	-	225	-	170						S	SW	-	-		
50.08	7,201,313	Kavrak	190	76	71	40.0	-	-	190	-	76	yes			71 - 75	1.5	0.0	NS	SP	-	+	
50.09	5,177,437	Ketenovo	162	206	173	127.1	-	-	162	-	206		800		75 - 80	1.2	0.0	S	SW	-	-	
50.10	18,330,965	Knezhevo	371	91	62	24.5	-	-	371	-	91	yes			75 - 80	1.5	0.0	NS	SP	-	-	
50.11	11,873,381	Kojkovo	186	51	89	27.4	-	-	186	-	51	yes			80 - 85	1.6	0.0	S	SW	-	-	
50.12	14,090,523	Konjuh	579	189	184	32.6	-	100	479	-	189				75 - 80	2.0	0.0	S	SW	-	-	
50.13	13,943,987	KRATOVO city	3735	6471	6481	173.2	-	-	-	-	-		1000				S	SW	400	+		
50.14	9,736,815	Krilatica	449	253	228	56.3	-	9	440	-	253						NS	SP	-	-		
50.15	13,883,657	Kuklica	450	154	116	34.2	-	5	445	-	154						NS	SP	-	-		
50.16	5,180,089	Kunovo	88	12	7	13.6	-	-	88	-	12	yes					NS	SP	-	+		
50.17	9,797,259	Lukovo	107	17	16	15.9	-	-	107	-	17	yes					NS	SP	-	-		
50.18	12,905,282	Mushkovo	269	55	47	20.4	-	9	260	-	55	yes			71 - 75	1.5	0.0	NS	SP	-	+	
50.19	14,223,610	Nezhilovo	221	61	50	27.6	-	-	221	-	61	yes			80 - 85	2.0	0.0	NS	SP	-	+	
50.20	8,209,207	Pendak	280	61	56	21.8	-	-	280	-	61						NS	SP	-	+		
50.21	6,282,345	Prikovci	209	157	153	75.1	-	9	200	-	157		1130.5		75 - 80	2.5	0.0	NS	SP	40	-	
50.22	18,207,627	Sakulica	660	267	235	40.4	-	20	640	-	267		1570.5		75 - 80	2.0	0.0	S	SW	-	-	
50.23	27,212,002	Stracin	1046	309	273	29.5	-	30	1016	-	309				71 - 75	1.5	0.0	NS	SP	50	-	
50.24	7,916,126	Talashmance	363	190	194	52.3	-	20	343	-	190				75 - 80	1.2	0.0	S	SW	-	-	
50.25	13,674,753	Tatomir	332	137	135	41.2	-	22	310	-	137				75 - 80	1.0	0.0	S	SW	-	-	
50.26	8,146,938	Topolovikj	247	76	68	30.8	-	17	230	-	76		770.5				NS	SP	-	-		
50.27	13,468,910	Trnovac	610	380	381	62.3	-	45	565	-	380				75 - 80	2.0	0.0	S	SW	-	-	
50.28	7,365,692	Turalevo	362	330	304	91.1	-	10	352	-	330		1570.5		71 - 80	1.5	0.0	S	SW	-	-	
50.29	13,490,829	Filipovci	405	168	140	41.5	-	-	405	-	168		1570.5		75 - 80	1.2	0.0	S	SW	-	-	
50.30	10,659,346	Shlegovo	765	493	450	64.4	58	102	605	493	-		1130.5		71 - 75	2.0	0.0	S	SP	80	+	
50.31	27,565,789	Shopsko Rudare	1093	298	239	27.2	-	30	1063	-	298		87.5				S	SW	60	-		
		Sub-total*	11349	4858	4417	1302.8	58	501	10790	775	4083									230		
		Average*	378.3	161.9	147.2	43.4	58.0	33.4	372.1	775.0	151.2					1.8	0.0				57.5	
		Total	15084	11329	10898	1476	58	501	10790	775	4083					30.7	0				630	

\*excluding city

EUDV: Economically Under-developed Village

S: Suitable SW: Surface water  
NS: Not suitable SP: Spring water  
GW: Groundwater

Table 1.8(1/2) VILLAGE WATER SUPPLY INVENTORY OF KRIVA PALANKA FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance	
			1971	1991	1994	Rate	in 1971		in 1991						Type of fund	RIHP					Village
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others										
															1975 - 80						
51.01	6,849,854	Bas	189	81	74	42.8			189	81	yes		1975 - 80	1.0	0.0	NS	SP	-	+		
51.02	7,585,833	Bashtevo	243	36	42	14.8		3	240	36	yes					NS	SP	-	-		
51.03	7,369,298	Borovo	268	121	111	45.1		5	263	121	yes		80 - 90	2.5	0.0	S	SP	50	-		
51.04	4,551,993	Varovishte	186	95	108	51.0		6	180	95	yes		80 - 85	3.0	0.0	S	SP	40	-		
51.05	16,632,365	Gabar	643	168	159	26.1		87	556	168	yes	50	75 - 80	2.0	0.0	S	SP	40	-		
51.06	10,399,458	G.Croorija	351	125	137	35.6		27	324	125	yes	30	80 - 85	1.6	0.0	S	SP	-	+		
51.07	24,935,080	Gradec	1069	460	422	43.0	40	114		460	yes		80 - 85	2.0	0.0	NS	SP	-	-		
51.08	11,907,916	Dlabochica	443	216	208	48.7		63	380	216	yes		85 - 90	2.5	0.0	S	SP	40	+		
51.09	14,697,298	Dobrovnica	510	221	225	43.3		20	490	221	yes		80 - 85	1.6	0.0	NS	SP	-	-		
51.10	16,577,350	Drenak	252	74	70	29.3	22		230	74	yes		75 - 80	2.4	0.0	S	SP	50	+		
51.11	3,575,218	Drenje	148	108	211	72.9		6	142	108	yes					NS	SP	-	-		
51.12	23,565,527	Duracka Reka	654	358	363	54.7			654	358	yes		75 - 85	4.5	0.0	S	SP	60	+		
51.13	16,496,419	Zhidilovo	603	285	300	47.2		40	563	285	yes		80 - 85	2.6	0.0	S	SP	50	-		
51.14	10,768,656	Kiselica	368	155	139	42.1	8		360	155	yes		80 - 85	2.2	0.0	S	SP	50	-		
51.15	20,751,672	Konopnica	1637	2368	2450	144.6	40	167	1430	2368	yes	1650	75 - 85	6.0	0.0	S	SP	150	-		
51.16	44,876,992	Kostur	150	75	67	50.0		150		75	yes		80 - 85	2.0	0.0	S	SP	50	+		
51.17	2,272,096	Koshari	149	633	605	424.8	12	4	133	633	yes		75 - 85	4.0	0.0	S	SP	80	-		
51.18	5,824,294	KRIVA PALANKA city	4955	11299	11166	228.0					yes	5000				S	SP	1000	+		
51.19	20,388,012	Krkija	904	309	318	34.2	22	5	877	309	yes		75 - 80	3.0	0.0	S	SP	60	-		
51.20	6,747,713	Krstov Dol	162	70	69	43.2		4	158	70	yes		80 - 85	1.5	0.0	S	SP	40	+		
51.21	3,008,683	Lozanovo	119	498	517	418.5			119	498	yes		85 - 90	2.0	0.0	S	SP	50	-		
51.22	22,435,061	Luke	819	414	416	50.5	10		789	414	yes					S	SP	60	-		
51.23	12,115,542	M.Croorija	372	136	149	36.5	5	54	313	136	yes		80 - 85	2.2	0.0	S	SP	40	+		
51.24	5,567,401	Martunica	345	177	182	51.3			345	177	yes	150	80 - 85	4.5	0.0	S	SP	60	+		
51.25	15,492,865	Metezhevo	354	95	93	26.8	10		344	95	yes	20	85 - 90	3.0	0.0	S	SP	40	+		
51.26	12,393,649	Mozhdivnjak	634	737	694	116.2		76	558	737	yes	20	80 - 85	4.0	0.0	S	SP	80	+		
51.27	23,769,361	Nerav	697	238	204	34.1	23	7	667	238	yes	1030	85 - 90	2.0	0.0	NS	SP	-	+		
51.28	20,077,567	Ogut	686	224	190	32.6	125	21	540	224	yes	240	80 - 90	3.0	0.0	S	SP	50	+		
51.29	13,242,467	Osiche	410	96	88	23.4		24	386	96	yes		75 - 85	2.0	0.0	S	SP	40	-		
51.30	22,171,459	Podrzhi Konj	648	193	183	29.8		10	638	193	yes		75 - 80	2.4	0.0	S	SP	50	-		
51.31	21,316,213	Stanci	451	268	249	59.4			451	268	yes		75 - 85	3.0	0.0	S	SP	60	+		
51.32	3,651,163	T'liminci	221	124	95	56.1		104	117	124	yes	30	85 - 90	2.5	0.0	NS	SP	50	-		
51.33	20,540,309	Tmovo	642	216	206	33.6		50	592	116	yes		80 - 85	2.2	0.0	NS	SP	50	-		
51.34	8,725,785	Uzem	494	276	272	55.9		12	482	276	yes		71 - 80	3.5	0.0	S	SP	80	-		
52.01		Baratlja	359	94	89	26.2	58	21	280	94	yes					NS	SP	-	-		
52.02	5,912,272	Vetunica	221	89	73	40.3		24	197	89	yes					NS	SP	-	-		
52.03	4,383,008	Vrzhogmci	101	47	37	46.5			101	47	yes					NS	SP	-	-		
52.04	40,756,549	German	1052	498	458	47.3	15	7	1030	498	yes		85 - 90	1.5	0.0	NS	SP	-	+		
52.05	4,414,252	Ginovci	376	263	257	69.9		73	303	263	yes	1025	80 - 85	2.2	0.0	S	GW	50	+		
52.06	7,642,348	Gulinci	190	57	35	30.0		14	176	57	yes					NS	SP	-	-		
52.07	9,133,967	Krivi Kamen	193	64	47	33.1			193	64	yes					NS	SP	-	-		
52.08	3,330,449	Ljubinci	193	146	144	75.6		35	158	146	yes	25	85 - 90	1.5	0.0	NS	SP	-	+		
52.09	10,986,138	Milutince	381	132	133	34.6		48	333	132	yes					NS	SP	-	+		
52.10	11,418,821	Odreno	283	156	140	55.1		88	195	156	yes		75 - 80	3.5	0.0	S	SP	80	+		
52.11	21,788,020	Opila	1020	383	288	37.5		288	732	383	yes		80 - 85	2.6	0.0	S	SP	60	+		
52.12	15,399,095	Otoshnica	680	189	154	27.8		146	534	189	yes					NS	SP	-	+		
52.13	7,228,929	Paklishte	198	72	50	36.3	57		141	72	yes					NS	SP	-	-		
52.14	43,986,521	Petralica	1232	690	672	56.0		62	1170	690	yes	1000	75 - 85	6.0	0.0	S	SP	80	+		

Table 1.8(2/2) VILLAGE WATER SUPPLY INVENTORY OF KRIVA PALANKA FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971		in 1991						Type of fund					
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others				RIHP	Village				
52.15	18,770,288	Psacha	902	560	538	62.1		216	686	560		50	71 - 80	3.2	0.0	S	SP	80	+	
52.16	17,993,370	Radibush	552	217	197	39.3		64	488	217		400	80 - 85	2.5	0.0	S	SP,SW	-	+	
52.17	11,929,147	Rankovce	1039	941	1007	90.6		364	675	947		400	80 - 85	9.5	0.0	S	SP,SW	150	+	
52.18	5,739,526	Stancha	85	27	28	31.7			85	27	yes					NS	SP	-	-	
		Sub-total*	24878	14275	13963	3158	447	2529	20987	11501	2780				113.2	0			1970	
		Average*	487.8	279.9	273.8	61.9	34.4	66.6	437.2	359.4	154.4				3.0	0.0			61.6	
		Total	29833	23574	25129	3386	447	2529	20987	11501	2780				113.2	0			2970	

\*:excluding city

EUDV: Economically Under-developped Village

S: Suitable  
NS: Not suitable  
SW: Surface water  
SP: Spring water  
GW: Groundwater

Table 1.9(1/2) VILLAGE WATER SUPPLY INVENTORY OF VELES FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance	
			1971	1991	1994	Rate	in 1971			in 1991					Type of fund	RHP					Village
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others										
101.01		Babuna	40	0	457	-	-	6	30	-	-	-	-	-	-	-	S	GW	100	-	
101.02	7,488,871	Bashino Selo	594	767	775	129.1	-	4	590	767	-	-	-	1978 - 83	3.0	0.5	S	GW	100	-	
101.03	7,761,700	Beleshteveica	96	12	7	12.5	-	-	96	-	12	-	-	-	-	-	NS	SP	-	+	
101.04	10,487,067	Buzakovo	504	1238	1273	245.6	-	130	374	1110	128	-	-	80 - 81	2.0	1.0	S	SP	100	-	
101.05	61,626,270	VELES city	35980	45037	44149	125.1	-	-	-	-	-	2100	-	-	-	-	S	SW, GW	2000	+	
101.06	10,795,190	Vetersko	116	17	16	14.6	-	6	110	-	17	-	-	-	-	-	NS	SP	-	+	
101.07	35,559,325	G.Jabolchishte	719	1800	1538	250.3	-	10	709	1800	-	yes	-	84 - 91	5.0	1.0	S	SP	150	+	
101.08	19,829,556	G.Kalesari	44	66	66	150.0	-	-	44	66	-	-	-	85 - 86	0.0	0.7	S	SP	60	+	
101.09	34,405,248	G.Orizari	1795	2229	2023	124.2	15	95	1685	2229	-	-	-	81 - 83	5.0	2.0	S	GW	200	-	
101.10	27,017,460	D.Jabolchishte	290	400	466	137.9	-	-	290	-	400	yes	-	71 - 75	1.5	0.0	NS	SP	-	-	
101.11		D.Kalesari	374	459	436	132.2	-	17	330	459	-	-	320	82 - 84	1.5	1.0	S	SP	100	-	
101.12		D.Orizari	2	2	-	-	-	-	2	-	2	-	820	-	-	-	NS	SP	-	+	
101.13	26,059,109	Drenovo	212	62	54	29.2	-	-	212	-	62	-	-	-	-	-	NS	SP	-	+	
101.14	31,267,439	Ivanovci	1169	920	874	78.7	-	89	1060	920	-	-	-	80 - 88	3.0	2.0	S	SP	120	-	
101.15	12,356,521	Karabunjishte	10	2	2	-	-	-	10	-	2	-	-	-	-	-	NS	SP	-	-	
101.16		Klukovec	68	130	159	191.1	-	8	60	-	130	500	-	-	-	-	NS	SP	-	-	
101.17	11,141,977	Krushje	126	14	9	11.1	-	26	100	-	14	-	-	-	-	-	NS	SP	-	+	
101.18	6,399,128	Kumarino	124	74	79	59.6	-	-	124	-	74	-	-	-	-	-	NS	SP	-	+	
101.19	11,866,522	Lugunci	60	6	12	-	-	20	40	-	6	-	-	-	-	-	NS	SP	-	+	
101.20	10,009,381	Mamutchevo	422	353	351	83.6	-	-	422	353	-	800	80 - 85	2.5	0.8	S	GW	100	-		
101.21	13,794,050	Novachani	43	4	2	-	-	-	43	-	4	-	-	-	-	-	NS	SP	-	+	
101.22	6,110,120	Novo Selo (Ve)	103	16	7	15.5	-	3	100	-	16	-	-	-	-	-	NS	SP	-	+	
101.23	15,233,804	Oraovec	119	30	28	25.2	-	9	110	-	30	yes	-	-	-	-	S	SP	80	+	
101.24	6,347,601	Olovica	168	258	248	153.5	-	118	50	-	258	-	-	-	-	-	NS	SP, GW	-	-	
101.25		Prevalec	505	1816	2192	359.6	25	110	370	1816	-	300	84 - 88	1.5	3.0	S	SW	-	-		
101.26	12,146,920	Rashtani	283	309	301	109.2	-	3	280	309	-	20	85 - 87	2.0	0.0	S	SP	80	-		
101.27	24,661,402	Rievci	282	41	35	14.5	-	-	282	-	41	-	-	-	-	-	NS	SP	-	+	
101.28	14,944,860	Rudnik	385	78	47	20.2	-	-	385	-	78	-	-	-	-	-	NS	SP	-	+	
101.29	29,719,289	S'ip	269	88	67	32.7	-	-	269	-	88	-	71 - 75	2.5	0.0	S	SP	50	+		
101.30	2,626,900	Sivnik	169	325	332	192.3	-	-	169	-	325	-	-	-	-	-	NS	SP	-	-	
101.31	14,987,798	Sojaklari	240	179	170	74.5	-	-	240	-	179	-	-	-	-	-	NS	SP	-	+	
101.32	8,605,665	Sopot	94	10	7	-	-	-	94	-	10	-	-	-	-	-	NS	SP	-	-	
101.33	19,673,209	Crkvino	416	412	341	99.0	-	6	410	-	412	-	-	-	-	-	NS	SP	-	-	
101.34	8,950,549	Chaloshevo	177	197	187	111.3	-	-	177	197	-	150	77 - 80	1.2	0.0	-	NS	SP	-	+	
101.35	14,870,231	Dzhidimirci	127	19	18	14.9	-	15	112	-	19	yes	-	-	-	-	S	SP	150	+	
102.01	28,211,832	Bistrica	568	186	159	32.7	-	-	568	-	186	yes	-	-	-	-	S	SP	150	+	
102.02	31,199,262	Bogomila	1249	617	458	49.4	35	150	1064	617	-	yes	81 - 84	8.5	0.0	S	SP, GW	150	-		
102.03	15,935,612	Gabrovnik	19	10	1	52.6	-	-	19	-	10	yes	-	-	-	-	NS	SP	-	-	
102.04	2,803,550	Kapinovo	18	2	1	-	-	-	18	-	2	yes	-	-	-	-	NS	SP	-	-	
102.05	17,103,061	Mokreni	98	19	7	19.4	-	-	98	19	-	yes	75 - 80	2.2	0.0	S	SP	50	+		
102.06	39,821,600	Nezhilovo	276	106	82	38.4	-	-	276	-	106	yes	-	-	-	-	NS	SP	-	+	
102.07	22,855,198	Oraov Dol	58	8	3	-	-	-	58	-	8	yes	-	-	-	-	S	SP	50	-	
102.08	27,411,224	Oreshe	724	356	296	49.1	-	10	714	-	356	yes	86 - 87	0.3	0.0	NS	SP	-	+		
102.09	13,386,734	Papradishte	475	18	4	3.8	-	-	475	-	18	yes	-	-	-	-	NS	SP	-	+	
102.10	4,400,200	Plevenje	24	9	-	-	-	-	24	-	-	yes	-	-	-	-	NS	SP	-	+	
102.11	20,242,996	Sogle	275	123	127	44.7	-	130	145	-	123	yes	20	71 - 75	1.2	0.0	NS	SP, GW	-	-	
102.12	27,992,870	Teovo	464	231	188	49.8	-	52	412	-	231	yes	-	75 - 85	2.5	0.0	S	SP, GW	60	+	
102.13	11,104,600	Crashnjevo	109	13	10	11.9	-	-	109	-	13	yes	-	-	-	-	NS	SP	-	+	

Table 1.9(2/2) VILLAGE WATER SUPPLY INVENTORY OF VELES FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance		
			1971	1991	1994	Rate	in 1971								in 1991						RIHP	Village
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others				Level 3	Others						
103.01	16,174,878	Vinichani	646	629	588	97.3	-	63	583	-	629	-	100				NS	SP	-	-		
103.02	15,277,731	Vodovrati	414	366	319	88.4	-	64	350	66	300	yes	100	85-92	3.3	1.0	S	SP	100	-		
103.03		Gomo Chichevo	163	50	40	30.6	-	13	150	-	50	yes					NS	SP	-	+		
103.04	9,072,395	Gradsko	1463	2294	2221	156.8	400	910	153	2294	-	2000	80-85	2.5	3.8	S	GW	250	-			
103.05	17,988,760	Gmchishte	102	18	7	17.6	-	-	102	-	18	yes					NS	SP	-	+		
103.06	7,053,750	Dvorishte	3	0			-	-	3	-		yes								+		
103.07	30,117,343	D.Chichevo	378	124	110	32.8	-	-	378	-	124	yes	300	80-85	1.5	0.0	NS	SP	100	-		
103.08	8,160,617	Zgropolci	16	0			-	-	16	-										+		
103.09	20,884,897	Kochilari	181	140	131	77.3	-	-	181	-	140						NS	SP	-	-		
103.10	12,632,113	Kuridere	13	0			-	-	13	-										+		
103.11	14,725,246	Nogaevci	268	230	244	85.8	-	8	260	230	-		80-83	1.5	1.5	S	GW	80	-			
103.12	22,753,228	Podlea	348	84	77	24.1	-	-	348	14	70	yes	75-80	3.0	0.0	S	SP	80	+			
103.13	11,219,631	Svekjani	0	0			-	-		-		yes								+		
103.14	16,031,850	Skachinci	4	4	1		-	-	4	-	4	yes					NS	SP	-	+		
103.15	18,571,406	Ubogo	15	0			-	-	15	-										+		
103.16	11,225,603	Ulancl	183	100	84	54.6	-	-	183	100	-		80-82	2.0	0.0	S	GW	-	-			
104.01	20,957,569	Banjca	320	131	102	40.9	-	30	290	-	131						NS	SP	-	-		
104.02	11,432,086	Busilci	162	29	26	17.9	-	1	160	-	29						NS	SP	-	+		
104.03	6,959,964	Vitanci	10	0			-	-	10	-										+		
104.04	22,678,946	Vojnica	213	50	41	23.7	10	13	190	-	50	yes					NS	SP	-	+		
104.05	8,968,657	Golozinci	186	82	45	33.3	-	86	100	-	82						NS	SP	-	-		
104.06	19,208,895	G.Vranovci	177	174	221	98.3	-	47	130	-	174		83-84	3.3	0.0	S	SP	100	+			
104.07	8,996,278	Elovec	245	95	91	38.7	-	-	245	95	-		80-83	2.5	0.0	S	SP	80	+			
104.08	23,913,910	Krajnici	179	42	23	23.4	-	-	179	-	42	yes					NS	SP	-	+		
104.09	14,275,119	Kriva Krusha	81	2			-	-	81	-	2		200				NS	SP	-	+		
104.10	22,339,462	Lisiche	366	219	205	59.8	-	6	360	-	219		220				NS	SP	-	+		
104.11	28,641,481	Meinica	591	743	688	125.7	-	40	551	743	-	300	72-73	4.0	0.0	S	SP	150	+			
104.12	7,063,140	Novo Selo (Ca)	2	0			-	-	2	-										+		
104.13	5,336,781	Otihtino	90	53	51	58.9	-	10	80	-	53						NS	SP	-	-		
104.14	5,587,740	Rakovec	139	40	30	28.8	-	-	139	-	40		200				NS	SP	-	-		
104.15	8,505,764	Chashka	834	1333	1346	159.8	-	230	604	1149	184	800	73-89	1.6	1.6	S	GW	150	-			
105.01	25,809,462	Vladilovci	233	78	59	32.6	40	-	193	-	76	yes					NS	SP	-	+		
105.02	15,040,880	D.Vranovci	274	58	49	21.2	-	-	274	-	58						NS	SP	-	+		
105.03	18,421,955	Izvor	814	538	506	66.1	70	55	689	538	-		71-73	2.0	2.0	S	SP	120	+			
105.04	9,971,200	Krmino	11	3	2		-	-	11	-	3	yes					NS	SP	-	-		
105.05	14,327,492	Martolci	371	252	215	67.9	61	180	130	252	-	yes	65-70	2.0	1.0	S	SP	80	-			
105.06	55,216,503	Omorani	383	222	173	57.9	-	-	383	-	222	yes					NS	SP	-	-		
105.07	15,965,490	Pomenovo	23	0			-	-	23	-										+		
105.08	25,748,760	Popadija	55	9	2		-	-	55	-	9	yes					NS	SP	-	+		
105.09	14,787,170	Smilovci	85	24	19	28.2	-	-	85	-	24						NS	SP	-	+		
105.10	8,425,330	Stari Grad	239	142	128	59.4	-	-	239	-	142						NS	SP	-	-		
105.11	30,160,194	Stepanci	20	12	4	60.0	-	-	20	-	12						NS	SP	-	+		
		Sub-total*	24802	22379	21793			656	2773	21341	16143	6227			74.6	22.9				2910		
		Average*	278.7	251.4	279.4	73.4		93.7	74.9	245.3	733.8	105.5			2.6	0.8				107.8		
		Total	60782	67416	65942			656	2773	21341	16143	6227			74.6	22.9				4910		

\*excluding city

EUDV: Economically Under-developped Village

S: Suitable SW: Surface water  
NS: Not suitable SP: Spring water  
GW: Groundwater

Table 1.10 VILLAGE WATER SUPPLY INVENTORY OF SVETI NIKOLE FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance		
			1971	1991	1994	Rate	in 1971		in 1991						Type of fund							
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others				RIHP	Village						
77.01	10,116,658	Alakince	65	15	13	23.1		20	45		15	yes	1500				NS	SP	-	-		
77.02	14,009,068	Amzabegovo	602	584	557	97.0			602		584				1971 - 92	4.0		S	SP	80	+	
77.03	6,408,314	Arbasinci	23	5	4	21.7			23		5							NS	SP	-	+	
77.04	23,026,367	Bogosiovec	135	3	2	2.2			135		3		100					NS	SP	-	+	
77.05	9,016,339	Burilovci	124	12	13	9.7			124		12	yes	350					NS	SP	-	+	
77.06	8,730,691	G.Gjugjance	91	19	11	20.9			91		19		80					NS	SP	-	+	
77.07	20,941,502	G.Crmiliste	402	385	358	88.6			402		358		720		71 - 80	1.0		NS	SP	-	+	
77.08	22,019,981	Gorobnici	1101	946	890	85.9	20	10	1071	946					80 - 85	5.0	2.0	S	SP	100	+	
77.09	7,724,803	Delesinci	73	4	1	5.5			73		4	yes						NS	SP	-	+	
77.10	19,647,193	D. Gjugjance	612	240	219	39.2		20	592		240				85 - 91	2.4	1.0	S	SP	60	+	
77.11		D. Crmiliste	136	113	120	83.1			136		113				71 - 80	1.0		NS	SP	30	+	
77.12	24,276,981	Erdzelija	1041	1058	1047	101.6		500	541	1058	184		1140		75 - 85	12.0	1.5	NS	GW	100	+	
77.13	8,502,446	Kadriakovo	186	184	180	98.9			186		184		790		71 - 92	5.0		S	GW	60	+	
77.14	9,568,651	Knezhe	140	79	71	56.4			140		79	yes	450		80 - 85	1.2		S	SP	60	+	
77.15	9,131,314	Krushica	171	30	31	17.5			171		30	yes	150					NS	SP	-	+	
77.16	3,770,152	Makresh	54	2	2	3.7			54		2	yes						NS	SP	-	+	
77.17	18,274,932	Malino	300	77	68	25.7		20	280		77		230					NS	SP	40	-	
77.18	21,119,344	Mechkuevci	278	26	18	9.3			278		26		100					NS	SP	-	+	
77.19	20,705,476	Mustafino	837	579	564	69.2	15	400	422		579		1030		80 - 83	5.0		NS	GW	-	+	
77.20	41,399,416	Nemanjica	976	333	282	34.3			976		333		730		75 - 85	1.5		NS	SP	-	-	
77.21	5,154,653	N. Mezdra	58						58									S	SP	-	+	
77.22	18,158,781	Orel	364	67	63	18.4			364		67		250					NS	SP	40	-	
77.23	24,070,985	Pavleshenci	489	141	122	28.8		45	444		141	yes	150					NS	SP	-	-	
77.24	9,618,337	Patino	37	9	6	24.3			37		9		150					NS	SP	-	+	
77.25	8,323,401	Peshirovo	242	232	244	95.9		30	212		232				80 - 81	2.0		NS	SP	-	+	
77.26	10,220,140	Preod	198	39	40	19.7		30	168		39	yes						NS	SP	-	-	
77.27	11,912,208	Ranchinci	249	74	67	25.1			294		74		120		85 - 92	1.5	2.0	NS	SP	-	-	
77.28	37,237,269	SVETI NIKOLE	7438	12980	13292	174.5							3730					S	SW		+	
77.29	11,967,082	Sopot	317	106	102	33.4			317		106	yes			75 - 80	2.5		NS	SP	-	+	
77.30	7,238,547	Stalunovci	59	5	4	8.5			59		5							NS	SP	-	-	
77.31	22,946,428	Stanjevi	307	102	82	33.2		15	292		102	yes	150					S	SP	50	+	
77.32		S. Mezdra	11	0					11													
77.33	10,464,325	Stroimanci	129	13	3	10.1		29	100		13	yes						NS	SP	-	+	
77.34	7,365,646	Trstenik	156	61	52	39.1			156		61	yes						NS	SP	-	+	
78.01	22,879,745	Adzhi Begovo	111	0	5				111				30					NS	SP	-	+	
78.02	6,263,536	Adzhi Matovo	151	103	72	68.2			151		103		120		80 - 85	1.2		NS	SP	-	+	
78.03	16,602,427	Bekirlija	70	25	15	35.7			70		25							NS	SP	-	-	
78.04	20,522,592	Dorfulija	864	771	760	89.2		450	414		771		200					NS	SP, GW	-	-	
78.05	13,560,727	Gjuzemeci	136	82	59	60.3			136		82							NS	SP, GW	-	+	
78.06	14,720,054	Karatmanovo	571	523	469	91.6			571		523		1030		80 - 92	4.5		NS	GW	80	+	
78.07	20,270,150	Kishino	88	20	15	22.7			88		20							NS	SP	-	+	
78.08	11,880,284	Lozovo	766	947	946	123.6	15	430	321	947			100		71 - 85	6.5	2.0	S	SP, GW	125	+	
78.09	17,752,999	Milino	439	391	370	89.1			439		391		630		80 - 92	3.2		S	SP	80	+	
78.10	5,156,700	Saramzalino	123	99	110	80.5			123		99		220		80 - 85	1.5		NS	SP	-	+	
78.11	22,624,059	Kjoselari	375	112	95	29.9			375		112		100					NS	SP	50	+	
		Sub-total*	13657	8616	8152	1920.8		50	1999	11653	1893	6696									955	
		Average*	310.4	200.4	194.1	46.8		25.0	166.6	271.0	1893.0	176.2									73.5	
		Total	21095	21596	21444	2095.3		50	1999	11653	1893	6696									955	

\*excluding city

EUDV: Economically Under-developped Village

S: Suitable

SW: Surface water

NS: Not suitable

SP: Spring water

GW: Groundwater

Table 1.11(1/2) VILLAGE WATER SUPPLY INVENTORY OF SHTIP FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					RIHP	Village				
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others									
106.01		Baitalija	101	32	26	31.7	-	-	101	-	32	yes		80 - 85	1.3	0.0	S	GW	-	-
106.02	8,320,705	Brest	157	42	30	26.7	-	-	157	-	42	yes					NS	SP	-	+
106.03	13,695,999	Vrsakovo	334	140	141	41.9	-	330	4	140	-			80 - 85	2.0	0.0	S	SP	80	+
106.04	5,022,596	Gorachino	68	29	27	42.6	-	-	68	-	29	yes					NS	SP	-	+
106.05	23,386,827	Dobroshani	188	27	13	14.3	-	8	180	-	27						NS	SP	-	+
106.06	18,372,431	Dolani	356	122	98	64.9	-	20	366	122	-			75 - 85	3.2	0.0	S	GW	80	+
106.07	25,671,205	Dragoovo	611	236	249	38.6	-	76	535	236	-			75 - 80	3.5	0.0	S	GW	80	+
106.08		Edeklerci	0	0																+
106.09		Jamularci	0	0																+
106.10	14,727,820	Kalapatrovci	75	23	4	30.7	-	-	75	-	23						NS	SP	-	-
106.11	12,779,610	Koshevo	153	21	17	13.7	-	-	153	-	21	yes					NS	SP	-	-
106.12	16,362,729	Krivi Dol	179	73	64	40.8	40	130	9	73	-		560	80 - 85	2.2	0.0	S	SP	50	+
106.13	6,630,900	Lakavica	144	155	151	107.6	-	10	134	155	-	yes	250	75 - 85	2.3	0.0	S	GW	150	+
106.14	32,892,746	Leskovica	719	218	195	30.3	-	-	719	218	-	yes		71 - 73	2.8	0.0	S	SP	80	+
106.15	6,625,989	Lipov Dol	53	6	3	11.3	-	10	43	-	6						NS	SP	-	+
106.16	11,599,166	Ljuboten	166	61	67	36.7	-	10	156	-	61	yes	1800	80 - 85	1.5	0.0	S	SP	50	+
106.17	11,005,740	Nikoman	68	8	2	11.7	-	-	68	-	8						NS	SP	-	+
106.18	5,307,629	Novo Selo																		+
106.19	17,369,859	Penush	156	48	39	30.7	-	-	156	-	48						NS	SP	-	+
106.20	23,000,291	Piperovo	292	46	28	15.7	-	-	292	-	46	yes					NS	SP	-	+
106.21	15,633,580	Pochivalo	42	74	85	176.2	-	-	42	-	74	yes					NS	SP	-	-
106.22	7,568,145	Puhche	186	64	67	34.4	-	-	186	-	64	yes		75 - 80	1.5	0.0	NS	SP	-	+
106.23	9,735,553	Sarchievo	170	52	54	30.6	-	10	160	-	52						NS	SP	-	-
106.24	23,255,620	Selce	468	231	227	49.3	-	8	460	-	231	yes	300	75 - 80	2.0	0.0	NS	SP	30	+
106.25		Skandalci	0	0																+
106.26	6,315,849	Sofilari	234	91	59	38.9	120	30	84	91	-			71 - 75	2.7	0.0	S	GW	-	+
106.27	8,742,403	S.Karaorman	425	864	893	203.3	20	70	335	864	-			71 - 75	3.0	0.0	S	GW	-	+
106.28	6,703,036	Stepanci	29	23	31	79.3	-	-	29	-	23	yes					NS	SP	-	+
106.29	8,943,022	Suvo Grlo	117	18	20	15.4	-	-	117	-	18	yes		75 - 80	2.2	0.0	NS	SP	-	+
106.30	17,371,441	Sudikj	304	37	27	12.2	-	4	300	-	37			80 - 85	1.5	0.0	NS	SP	-	-
106.31	4,395,486	Sushevo	83	19	20	22.9	-	-	83	-	19			80 - 85	2.0	0.0	NS	SP	-	+
106.32	8,727,503	Tanatarci	73	11	14	15.0	-	-	73	-	11	yes					NS	SP	-	-
106.33	7,510,674	Testemelci	73	0																+
106.34		Toplik	0	0																+
106.35	10,814,111	Tri Cheshumi	602	975	982	161.9	-	12	590	975	-			80 - 85	2.7	0.0	S	GW	-	+
106.36	15,280,863	Hadzhi-Redzepli	0	0																+
106.37		Hadzhi-Sejdeli	0	0																+
106.38		Hadzhi-Hamzali	0	0																+
106.39		Creshka	0	0																+
106.40	8,922,150	Chardaklija	576	847	873	147.0	40	490	46	847	-			71 - 75	2.6	0.0	S	GW	80	+
106.41	6,766,697	Chiflik	50	7	9	14.0	-	-	50	-	7	yes					NS	SP	-	+
106.42	17,353,990	Shashvarlija	235	148	126	62.9	-	15	220	-	148		250	80 - 85	1.8	0.0	NS	SP	-	-
106.43	5,586,196	Shopur	22	5	1	22.7	-	-	22	-	5	yes					NS	SP	-	+
106.44	34,919,406	SHTIP city	27224	36230		133.08							5200				S	GW	2000	+
107.01	8,255,654	Argulica	793	418	426	52.7	-	463	330	-	418		1900	1975 - 80	2.4	0.0	NS	SP	-	+
107.02	4,501,303	Btanje	77	2	2	2.6	-	40	37	-	2						NS	SP	-	+
107.03	21,589,805	Vrteshka	108	12	8	11.1	-	-	108	-	12	yes	250	80 - 85	1.0	0.0	NS	SP	-	+
107.04	7,423,870	Golem Gaber	53	40	43	75.4	-	-	53	-	40						NS	SP	-	+



Table 1.11(2/2) VILLAGE WATER SUPPLY INVENTORY OF SHTIP FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance		
			1971	1991	1994	Rate	in 1971			in 1991					RIHP	Village						
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others											
																					Type of fund	
107.05	14,992,501	Gorni Balvan	241	88	78	36.5	-	-	241	-	88			71 - 75	2.0	1.0	NS	SP	-	-		
107.06	9,494,458	G.Trogerci	162	12	5	7.4	-	-	162	-	12						NS	SP	-	+		
107.07	8,350,370	D.Balvan	320	357	331	111.5	-	5	315	357	-		400	71 - 75	1.8	0.0	S	GW	-	+		
107.08	6,780,582	D.Trogerci	89	11	6	12.3	-	-	89	-	11						NS	SP	-	+		
107.09	8,223,470	Ebeplija	3	12	11	400.0	-	-	3	-	12						NS	SP	-	-		
107.10	3,431,740	Jonuzlija	12	25	24	208.3	-	-	12	-	25	yes					NS	SP	-	-		
107.11	4,724,480	Kalauzlija	74	79	72	106.7	-	-	74	-	79	yes		80 - 85	1.5	0.0	NS	SP	-	-		
107.12	7,820,089	Karbinci	541	626	643	115.7	-	240	301	626	-		400	71 - 75	2.0	0.0	S	GW	100	+		
107.13	5,093,000	Kepekchelija	7	9	6	128.5	-	-	7	-	9	yes	700				NS	SP	-	-		
107.14	3,059,394	Kozjak	226	179	164	79.2	-	40	186	-	179			75 - 80	1.6	0.0	NS	SP	-	+		
107.15	12,437,077	Krupishte	755	493	433	62.3	-	250	505	493	-			71 - 75	2.0	0.0	S	SP,GW	100	+		
107.16	3,272,360	Kurjalija	38	58	58	152.6	-	-	38	-	58						NS	SP	-	-		
107.17	5,220,910	Kuchilat	0	0			-	-		-										+		
107.18	12,156,450	Kuchica	97	136	125	140.2	-	7	90	-	136	yes					NS	SP	-	+		
107.19	4,674,440	Mal Gaber	0	0			-	-		-										+		
107.20	4,716,930	Michak	0	0			-	-		-		yes								+		
107.21	1,254,583	Murathija	6	0			-	-		-		yes								+		
107.22		N.Karaorman	77	78	72	101.3	-	-	77	78	-		400	71 - 75	1.0	0.0	S	GW	-	+		
107.23	8,715,100	Odzhalija	68	102	113	150.0	-	-	68	-	102						NS	SP	-	-		
107.24	13,946,545	Pripechani	51	4	5	7.8	-	-	51	-	4	yes					NS	SP	-	+		
107.25	4,627,492	Pmalija	88	160	148	181.8	-	-	88	-	160	yes		80 - 85	2.0	0.0	NS	SP	30	-		
107.26	18,809,498	Radanje	900	561	542	62.3	-	94	806	561	-			71 - 75	3.2	0.0	S	SP	100	+		
107.27	7,850,260	Ruljak	102	12	12	11.7	-	-	102	-	12						NS	SP	-	-		
107.28	11,648,696	Tarinci	755	908	909	120.2	-	240	515	908	-		400	71 - 75	2.0	0.0	S	GW	150	+		
107.29	8,121,179	Crvalevo	245	109	106	44.5	-	5	240	-	109		250	75 - 80	2.4	0.0	NS	SP	-	+		
		Sub-total*	13397	9244	8984	4058.9		220	2617	10511	6744				65.9	1				1160		
		Average*	188.7	130.2	157.6	70.0		73.3	104.7	184.4	449.6				2.2	0.0				82.9		
		Total	40621	45474	8984	4192		220	2617	10511	6744				65.9	1					3160	

\*:excluding city

EUDV:Economically Under-developped Village

S:Suitable SW:Surface water

NS:Not suitable SP:Spring water

GW:Groundwater

Table 1.12 VILLAGE WATER SUPPLY INVENTORY OF PROBISHTIP FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971		in 1991						Type of fund					
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others				RIHP	Village				
71.01	4,933,236	Buchishte	168	102	84	60.7	-	57	111	102	-	-	80-85	4.0	0.0	S	SP	50	+	
71.02	8,173,001	Gajraci	242	66	63	27.3	-	10	232	66	-	-	80-85	2.6	0.0	S	SP	50	+	
71.03	7,996,131	G.Stubol	324	149	160	46.0	-	12	312	-	149	-	75-80	1.6	0.0	NS	SP	-	+	
71.04	15,221,709	G.Barbarevo	284	61	49	21.5	-	10	274	-	61	-	250	71-75	1.5	0.0	NS	SP	-	-
71.05	3,415,395	Grizilevci	172	45	33	26.1	-	2	170	-	45	yes	-	-	-	NS	SP	-	+	
71.06	5,024,618	Gujnovci	97	40	43	41.2	-	12	85	-	40	-	-	-	-	NS	SP	-	+	
71.07	7,471,780	Kundino	309	141	125	45.6	-	-	309	-	141	-	80-85	1.5	0.5	NS	SP	-	+	
71.08	7,420,083	Lezovo	248	104	89	41.9	-	10	238	104	-	-	75-80	3.2	0.0	S	SP	50	+	
71.09	5,653,600	Marichino	253	52	20	20.5	-	-	253	-	52	-	-	-	-	NS	SP	-	+	
71.10	5,881,773	Neokazi	165	111	31	67.3	-	15	150	111	-	-	10	75-85	4.0	0.0	S	SP,GW	60	-
71.11	7,681,730	Pestrishino	117	29	22	24.8	-	-	117	-	29	-	-	-	-	NS	SP	-	+	
71.12	6,389,970	Pestrishino	286	108	109	37.7	-	16	270	-	108	-	75-80	1.5	0.0	NS	SP	-	-	
71.13	9,535,877	Dobrevo	736	421	442	57.2	10	6	720	421	-	-	80-85	3.0	1.5	S	GW	60	-	
71.14	6,762,642	D.Stubol	428	233	256	54.4	10	12	406	-	233	-	250	75-80	1.8	0.0	NS	SP	-	-
71.15	11,248,346	D.Barbarevo	203	33	20	16.3	-	-	203	-	33	-	-	71-75	1.5	0.0	NS	SP	-	-
71.16	5,548,160	Drenok	215	35	31	16.3	10	20	185	-	35	-	-	-	-	NS	SP	-	-	
71.17	4,492,760	Zarapinci	95	27	22	28.4	-	-	95	-	27	-	-	-	-	NS	SP	-	-	
71.18		PROBISHTIP	1009	8047	7983	797.5	447	478	84	8047	-	-	-	-	-	S	GW	600	+	
71.19		Kalnishte	688	1435	1593	208.5	64	312	312	1435	-	-	75-80	2.0	0.0	S	GW	-	+	
71.20	9,440,652	Kukovo	177	45	45	25.4	-	-	177	-	45	-	-	-	-	NS	SP	-	+	
71.21	7,553,008	Pishica	346	221	204	63.9	-	102	244	221	-	-	71-80	3.6	1.0	S	SP	80	+	
71.22	9,679,040	Pleshanci	430	283	278	65.8	-	10	420	-	283	-	1770	71-80	2.4	0.0	NS	SP	-	-
71.23	13,034,564	Probishtip	3110	665	625	21.4	2723	256	131	665	-	-	5600	80-90	2.6	1.0	S	GW	-	-
71.24	6,137,184	Puzderci	147	60	59	40.8	-	47	100	-	60	-	100	75-80	1.7	0.0	NS	SP	-	-
71.25	16,414,591	Strisovci	287	91	86	31.7	-	72	215	-	91	-	400	-	-	NS	SP	-	-	
71.26	5,639,612	Strmosh	340	311	315	91.5	-	56	284	311	-	-	-	75-85	3.3	0.0	S	GW	-	-
71.27	13,943,826	Troolo	232	68	63	29.3	-	-	232	-	68	-	100	-	-	NS	SP	-	+	
72.01	11,767,428	Bunesh	263	89	84	33.8	-	-	263	-	89	-	350	1971-75	2.2	0.0	NS	SP	40	+
72.02	6,743,398	Dreveno	431	274	295	63.5	-	11	420	274	-	-	-	80-85	3.0	0.0	S	SP	60	+
72.03	14,457,100	Zelengrad	138	11	11	7.9	-	-	138	-	11	yes	-	-	-	NS	SP	-	+	
72.04	10,392,106	Zletovo	1648	2345	2459	142.3	130	945	573	2345	-	-	400	71-85	3.5	1.0	S	SP,GW	100	-
72.05	14,163,729	Lesnovo	360	69	10	19.2	-	48	312	69	-	yes	400	71-80	3.1	0.0	S	SP	60	+
72.06	3,536,418	Ratavica	281	325	77	115.6	-	100	181	325	-	-	-	75-80	2.1	0.0	S	GW	-	-
72.07	4,960,747	Tripatanci	292	198	312	67.8	-	32	260	198	-	-	1250	75-85	3.5	0.0	S	GW,SP	60	+
72.08	10,524,281	Tursko Rudari	225	172	203	76.4	15	42	168	172	-	-	220	71-80	3.8	0.0	S	SP	100	+
72.09	19,765,166	Jamishte	156	19	172	12.2	-	-	156	-	19	yes	-	-	-	NS	SP	-	-	
72.10	24,651,936	Shtalkovica	222	71	64	32.0	-	-	222	71	-	-	200	71-80	1.2	0.0	S	SP	-	+
		Sub-total*	14693	16282	16242	2516.2	#VALUE!	2682	8602	14663	-	-	-	61.2	5	-	-	-	1310	-
		Average*	408.1	452.3	451.2	69.9	#VALUE!	107.3	238.9	916.4	-	-	-	2.6	0.2	-	-	-	109.2	-
		Total	15124	16556	16537	2579.7		3409	2693	9022	14937	1619	-	64.2	5	-	-	-	1570	-

\*:excluding city

EUDV:Economically Under-developed Village

S:Suitable SW:Surface water  
NS:Not suitable SP:Spring water  
GW:Groundwater

Table 1.13 VILLAGE WATER SUPPLY OF KOCHANI FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance		
			1971	1991	1994	Rate	in 1971				in 1991				RIHP	Village						
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others										Level 3	Others
45.01	15,192,771	Beli	726	467	454	64.3	25	-	701	467	-	-	80-85	2.2	1.0	S	GW	60	-			
45.02	2,703,979	Gorni Podlog	713	747	749	104.8	-	-	513	200	747	-	-	71-80	2.6	1.0	S	GW	-	+		
45.03	5,406,949	Gorno Gradche	83	20	15	24.0	-	-	83	-	20	yes	-	-	-	NS	SP	-	-			
45.04	6,619,658	Grdovei	1210	1310	1281	108.2	-	-	810	400	1310	-	-	75-80	2.7	2.0	S	GW	-	+		
45.05	3,674,581	Dolni Podlog	513	485	477	94.5	-	-	323	190	485	-	-	76-85	2.2	1.5	S	GW	-	+		
45.06	1,430,579	Dolno Gradche	3	0	-	-	-	-	-	-	-	yes	-	-	-	-	-	-	-	+		
45.07	3,408,805	Mojanci	574	607	578	105.7	-	-	470	104	607	-	-	80-87	2.5	0.0	S	GW	-	+		
45.08	18,881,085	Nivichani	576	389	364	67.6	-	-	-	575	389	-	170	75-80	3.5	0.0	S	SP	80	+		
45.09	13,901,960	Pantelej	220	96	83	43.6	-	-	10	210	-	96	yes	150	75-85	2.0	0.0	S	SP	60	-	
45.10	10,361,043	Pashadzikovo	38	0	-	-	-	-	-	-	-	yes	-	-	-	-	-	-	-	+		
45.11	74,567,876	Polaki	923	278	245	30.1	-	-	-	923	-	278	yes	950	80-87	3.5	0.0	NS	SP	-	-	
45.12	4,206,885	Pripor	48	8	5	16.7	-	-	-	48	-	8	yes	-	-	NS	SP	-	-			
45.13	20,031,855	Jastrebnik	341	95	66	27.8	-	-	-	341	-	95	yes	-	80-87	1.5	0.0	S	SP	30	+	
45.14	19,778,305	KOCHANI city	17257	27291	26364	158.1	-	-	-	-	-	-	7180	-	-	S	GW	2000	+			
45.15	8,080,570	Leshki	244	55	70	22.5	-	-	-	244	55	-	yes	30	80-87	2.4	0.0	S	SP	60	+	
45.16	8,031,715	Rajchani	133	40	54	30.0	-	-	-	133	-	40	yes	-	-	NS	SP	-	+			
45.17	11,095,717	Tykanje	1060	1206	1243	113.8	-	-	60	1000	1206	-	-	75-85	3.6	2.0	S	GW	-	+		
45.18	3,021,016	Crvena Niva	40	3	3	7.5	-	-	-	40	-	3	-	-	-	NS	SP	-	-			
46.01	11,517,937	Vrbica	137	20	19	14.6	-	-	-	137	-	20	-	-	-	NS	SP	-	-			
46.02	7,219,321	Zhigjanci	556	447	378	90.4	-	-	120	436	447	-	-	80-87	2.4	1.2	S	GW	80	+		
46.03	4,035,989	Lepopelci	88	17	18	19.3	-	-	10	78	17	-	120	80-87	1.5	0.0	S	GW	-	+		
46.04	2,099,906	Novoselani	122	91	79	74.6	-	-	12	110	-	91	55	80-87	0.6	1.0	S	GW	60	+		
46.05	18,996,607	Sokolarci	1225	1051	994	85.8	30	100	1095	1051	-	-	-	75-80	3.0	1.8	S	SP,PS	80	+		
46.06	7,101,256	Cheshinovo	1200	1052	1052	97.7	-	-	92	1108	-	1052	-	-	-	NS	GW	-	+			
47.01	9,956,816	Banja	654	487	473	74.4	-	-	-	654	487	-	-	1975-85	2.5	1.2	S	GW	-	+		
47.02	5,616,761	Burilchevo	251	199	163	79.3	-	-	-	251	199	-	-	80-85	3.0	1.0	S	GW	80	+		
47.03	10,189,889	Kuchichino	848	630	610	74.3	-	-	118	730	630	-	-	75-80	3.0	0.0	S	GW	80	+		
47.04	6,352,958	Obleshevo	1118	1197	1206	107.1	-	-	72	1046	-	1197	-	-	75-85	1.5	0.0	NS	GW	-	+	
47.05	17,596,445	Spanchevo	1136	1043	1061	91.8	55	20	1061	1043	-	-	120	75-80	3.8	1.0	S	SP	80	+		
47.06	21,635,201	Teranci	926	791	761	85.4	-	-	10	916	791	-	-	-	-	NS	SP,GW	-	+			
47.07	5,162,065	Ularci	503	428	378	85.1	10	103	390	-	428	-	-	-	-	NS	GW	-	+			
47.08	5,699,249	Chiflik	610	749	704	122.8	-	-	338	272	-	949	-	-	-	NS	GW	-	+			
48.01	8,759,322	Vidovishte	681	543	541	79.4	-	-	-	681	543	-	412.5	80-85	3.2	1.5	NS	SW	80	+		
48.02	31,509,869	Zrnovci	2083	2328	2279	111.7	66	88	1829	2328	-	-	-	75-85	3.3	3.4	S	GW,SP	80	+		
48.03	14,521,860	Morodvis	679	536	524	78.9	-	-	9	670	536	-	412.5	80-87	3.0	0.0	S	SP	60	+		
49.01	17,778,167	Bezikovo	352	33	30	9.4	-	-	-	352	-	33	yes	-	-	NS	SP	-	+			
49.02	6,956,896	Vraninci	153	11	24	7.2	-	-	-	153	-	11	-	-	-	NS	SP	-	-			
49.03	8,709,239	Glavovica	262	145	134	55.3	-	-	-	262	-	145	yes	-	-	NS	SP	-	-			
49.04	5,926,300	Kostin Dol	105	34	17	32.4	-	-	-	105	-	34	yes	-	-	NS	SP	-	+			
49.05	25,122,303	Nebojani	269	95	87	35.3	-	-	-	269	-	95	yes	-	-	NS	SP	-	-			
49.06	6,101,650	Novo Selo (O)	71	14	11	19.7	-	-	-	71	-	14	yes	150	-	-	NS	SP	-	-		
49.07	19,281,731	Orizari	2808	3967	3795	141.3	42	1500	1266	3967	-	-	-	75-85	3.7	2.8	S	GW	80	+		
49.08	25,407,565	Preseka	739	162	160	21.9	-	-	19	720	-	162	yes	100	-	-	NS	SP	-	+		
49.09	3,033,392	Pribachevo	412	406	423	98.5	-	-	312	100	406	-	-	80-87	2.6	1.5	S	GW	-	+		
49.10	8,729,170	Rechani (O)	272	67	43	24.6	-	-	-	272	-	67	yes	-	-	NS	SP	-	-			
		Sub-total*	25705	22349	21651	2679.3	228	5109	20226	17711	4838	-	-	-	69.8	24.9	-	-	1130	-		
		Average*	584.2	507.9	515.5	63.8	45.6	243.3	493.3	885.6	241.9	-	-	-	2.8	1.0	-	-	70.6	-		
		Total	42962	49640	48015	2837.4	228	5109	20226	17711	4838	-	-	-	69.8	24.9	-	-	3130	-		

\*excluding city

SW:Surface water  
SP:Spring water  
GW:Groundwater

EUDV:Economically Under-developpe S:Suitable SW:Surface water  
NS:Not suitable SP:Spring water  
GW:Groundwater

Table 1.14 VILLAGE WATER SUPPLY INVENTORY OF VINICA(FORMER MUNICIPALITY)

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971			in 1991					RJHP	Village				
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others									
16.01	18,306,484	VINICA	5993	10424	9971	173.9							4250				S	SW	1000	+
16.02	15,779,347	Vin.Krshla	378	138	119	36.5	-	-	378	69	69		316.5	81 - 85	2.2	0.0	S	SP	50	+
16.03	59,018,672	Gradec	1132	1191	1175	105.2	-	36	1096	1191	-		300	75 - 80	3.8	1.0	S	SP	150	+
16.04	14,271,886	Griani	593	335	326	56.5	-	-	593	235	100	yes	300	75 - 80	3.0	0.0	S	SP	50	-
16.05	16,960,279	Dragobrashte	722	490	469	67.8	-	-	722	300	190		200	75 - 80	4.0	0.0	S	SP	100	+
16.06	26,378,072	Istibanja	1249	1489	1418	119.2	60	450	733	1489	-		800	73 - 78	3.8	0.0	S	GW	100	+
16.07	5,165,861	Jakimovo	562	986	928	175.4	-	30	532	986	-			73 - 78	3.2	0.0	S	GW	100	+
16.08	27,983,774	Kalimanci	731	350	311	47.9	-	50	681	135	215	yes	618	78 - 81	4.2	0.0	S	SP	50	-
16.09		Krushevo	222	152	142	68.5	-	-	222	152	-			75 - 77	3.8	0.0	S	SW,SP	80	-
16.10	56,503,300	Laki	712	425	397	59.7	-	-	712	425	-	yes		81 - 85	2.5	0.0	S	SP	80	+
16.11	5,703,541	Leski	349	506	489	145.0	-	90	259	506	-		510	81 - 85	2.4	0.0	S	SP	60	+
16.12	49,833,329	Pekljani	464	458	459	98.7	-	130	334	258	200		150	78 - 81	2.6	0.0	S	SP	60	+
16.13	35,047,462	Trsino	692	704	749	101.7	-	-	692	704	-		1162	75 - 85	5.2	0.0	S	SP	80	-
16.14	5,103,851	Crn Kamen	211	117	105	55.4	-	11	200	117	-			80 - 85	3.0	0.0	S	SP	50	-
17.01	77,537,392	Blatec	1813	1663	1533	91.7	80	220	1513	1663	-		1700	73 - 78	4.5	2.5	S	SP	200	+
17.02	19,965,330	Lipec	622	475	472	76.4	-	90	532	475	-			73 - 78	2.5	0.0	S	SP	80	+
		Sub-total*	8017	7341	7087		60	797	7154	6567	774				43.7	1			1010	
		Average*	616.7	564.7	545.2	87.5	#DIV/0!	132.8	596.2	547.3	193.3				3.6	0.1			77.692308	
		Total	14010	17765	17058		60	797	7154	6567	774				43.7	1			2010	

\*:excluding city

EUDV:Economically Under-developped Village

S:Suitable SW:Surface water  
NS:Not suitable SP:Spring water  
GW:Groundwater

Table 1.15 VILLAGE WATER SUPPLY INVENTORY OF DELCHEVO FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance	
			1971	1991	1994	Rate	in 1971			in 1991					RHP	Village					
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others										
33.01	31,939,381	Bigla	677	326	343	48.1	-	282	395	160	166	yes		1975 - 83	14.6	1.5	S	SP	80	-	
33.02	14,832,726	Vetren	310	174	169	56.1	-	12	292	74	100	yes		75 - 85	2.0	1.0	S	SP	50	+	
33.03	29,759,230	Virche	833	584	604	70.1	-	236	597	584	-	yes	600	75 - 85	3.0	0.0	S	SP	60	+	
33.04	11,741,008	Vratslavci	243	100	79	41.1	-	-	243	-	100	yes					NS	SP	-	-	
33.05	26,743,609	Gabrovo	770	785	829	101.9	-	609	161	785	-	yes		75 - 85	3.5	0.0	S	SP	80	+	
33.06	26,977,183	Grad	827	676	696	81.7	-	192	635	676	-	yes		74 - 80	2.8	0.0	S	SP	60	+	
33.07	28,170,374	DELICHEVO	5104	16290	10554	208.2	-	-	-	-	-		8950				S	GW,SW	500	+	
33.08	35,203,949	Dramche	697	429	416	61.5	-	30	667	429	-	yes	550	75 - 85	30.0	0.0	S	SP	80	-	
33.09	20,007,061	Zvegor	837	937	949	111.9	-	225	612	937	-	yes		71 - 75	3.0	0.0	S	SP	80	+	
33.10	14,398,034	Iliovo	413	210	170	50.8	-	-	413	110	100			75 - 85	3.3	0.0	S	SP	50	-	
33.11	10,501,339	Kiselica	266	76	78	28.6	-	-	266	76	-	yes		75 - 85	2.0	0.0	S	SP	50	+	
33.12	10,439,389	Kosovo Dabje	192	38	35	19.8	-	-	192	38	-	yes					S	SP	50	+	
33.13	20,903,233	Nov Istvenik	592	263	262	44.4	-	55	537	263	-	yes		71 - 80	2.5	0.0	S	SP	60	-	
33.14	6,723,345	Ochipala	192	112	106	57.4	-	5	190	112	-			75 - 85	2.0	0.0	S	SP	50	-	
33.15		Poieto	172	101	114	57.8	-	22	150	51	50	yes		75 - 85	1.5	0.0	S	SP	40	-	
33.16	56,821,869	Razlovci	1143	898	906	78.5	-	43	1100	898	-	yes		71 - 80	3.2	0.0	S	SP	100	+	
33.17	11,197,575	Selnik	195	71	66	36.4	-	-	195	71	-	yes		75 - 85	2.5	0.0	S	SP	50	-	
33.18	13,661,257	Stamer	357	438	447	122.7	-	-	357	438	-	yes	150	71 - 80	2.7	0.0	S	SP	60	+	
33.19	17,753,484	Star Istvenik	354	145	137	40.9	-	4	350	145	-	yes		71 - 80	2.0	0.0	S	SP	60	+	
33.20	22,492,664	Trabotvishte	695	578	571	83.1	-	260	435	578	-	yes		71 - 80	3.5	0.0	S	GW	-	+	
33.21	4,894,155	Turija	171	134	127	78.3	-	-	171	-	134						NS	SP	-	-	
33.22	7,375,306	Chiflik	214	67	68	31.3	-	4	210	67	-			75 - 85	2.0	0.0	S	SP	60	-	
34.01	24,551,807	Dulica	485	390	413	80.4	-	28	457	150	240			75 - 85	2.0	0.0	S	SP	50	-	
34.02	14,890,739	Kosevica	399	294	321	73.7	-	19	380	294	-	yes	67	75 - 85	3.5	0.0	S	SP	100	+	
34.03	13,585,444	Kostin Dol	319	144	153	45.1	-	35	284	144	-	yes	67	75 - 85	4.0	0.0	S	SP	80	+	
34.04	8,035,133	Lukovica	350	283	304	80.8	-	45	305	283	-		66	75 - 85	4.2	0.0	S	SP	100	+	
34.05	14,317,374	Kamenica	2003	4855	4334	242.4	72.5	35	1243	4855	-		3200	75 - 85	3.0	5.0	S	SP	250	-	
34.06	24,677,145	Moshitica	649	545	606	83.9	-	60	589	545	-	yes		80 - 85	2.9	0.0	S	SP	80	+	
34.07	56,144,008	Sasa	1656	1032	1190	62.3	-	86	1570	532	500	yes	30	80 - 90	3.8	0.0	S	SP	80	+	
34.08	6,062,119	Todorovci	239	217	240	90.8	-	-	239	217	-		50	75 - 85	2.8	0.0	S	SP	80	-	
34.09	27,955,608	Cera	859	482	523	56.1	-	-	859	482	-			75 - 85	6.0	1.0	S	SP	70	+	
		Sub-total*	16250	14902	14733	2061.8	72.5	2287	13235	13512	1390				112.3	7.5				1940	
		Average*	560.3	513.9	508.0	71.1	-	114.4	472.7	519.7	198.6				4.5	0.3				74.6	
		Total	21354	31192	25287	2270	72.5	2287	13235	13512	1390				112.3	7.5				2440	

\*excluding city

EUDV: Economically Under-developed Village

S: Suitable SW: Surface water  
NS: Not suitable SP: Spring water  
GW: Groundwater

Table 1.16 VILLAGE WATER SUPPLY INVENTORY OF BEROVO FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971								Type of fund					
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others				RIHP	Village				
1.01	117,633,522	BEROVO city	7000	8000	6752						yes	1290				S	SW(Dam)	250		
1.02	46,525,824	Budinarci	857	723	714	84.4	30	35	792	723	yes	940	1972 - 80	7.0	1.0	NS	SW	150	+	
1.03	98,858,670	Vladimirovo	1473	1110	1043	75.4	630	420	423	1110	yes	940	1968 - 80	9.0	1.5	S	SW	150	+	
1.04	85,886,760	Dvorishte	1182	854	825	72.3			1182	854	yes		1980 - 90	9.5	0.0	NS	SW	100	-	
1.05	9,916,033	Machevo	276	208	216	75.4	7	134	135	208	yes	940	1972 - 80	4.5	0.0	NS	SW	60	+	
1.06	53,452,532	Mitrahinci	1054	863	794	81.9		34	1020	863	yes		1972 - 82	8.5	2.0	NS	SW	150	-	
1.07	40,017,000	Ratevo	1145	941	910	82.2	100	80	965	941	yes	940	1975 - 85	11.0	1.0	NS	SW	150	-	
1.08	133,382,174	Rusinovo	2288	2149	2100	95.9		150	2138	2149	yes	1040	1972 - 82	4.3	2.5	NS	SW	150	+	
1.09	11,322,031	Smojmirovo	827	826	825	100.0	72	400	355	826	yes	940	1975 - 80	2.0	5.0	S	SW		-	
2.01	20,492,423	Negrevo	356	202	170	56.8	185	150	21	202	yes		1973 - 80	3.0	0.0	S	SP	80		
2.02	27,502,808	Pancharevo	877	493	467	56.2	50	220	607	493	yes		1975 - 80	3.0	3.0	S	SP	60	+	
2.03	83,574,715	PEHCHEVO city	2500	3000	3032						yes	600				NS	SW	300	+	
2.04	20,658,514	Robovo	656	504	476	76.8	56	596	4	504	yes	940	1972 - 80	6.0	2.0	NS	SW	120	-	
2.05	17,365,045	Umlena	593	400	391	67.3	40	546	7	400	yes	940	1972 - 81	5.0	0.0	NS	SP,SW	100	-	
2.06	30,023,911	Crnik	946	859	752	90.8		20	926	859	yes		1972 - 76	3.5	1.0	S	SP	120	+	
2.07	8,650,956	Chiflik	449	389	362	86.6	170		279	389	yes	940	1972 - 76	3.0	1.0	NS	SW	80	-	
		Sub-total*	12979	10521	10045	1102.2	1340	2785	8854	10521									1470	
		Average*	927.1	751.5	717.5	91.9	167.5	278.5	737.8	876.8									113.1	
		Total	22479	21521	19829	1102.2	1340	2785	8854	10521		10450			79.5	20			2020	

\*excluding city

EUDV: Economically Under-developped Village

S: Suitable SW: Surface water  
 NS: Not suitable SP: Spring water  
 GW: Groundwater

Table 1.17 VILLAGE WATER SUPPLY INVENTORY OF DEMIR HISAR FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971		in 1991						Type of fund					
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others				RIHP	Village				
35.01	1,870,447	Barakovo	94	77	74	81.9	-	50	44	77	-	330	71 - 80	2.2	0.4	S	SP	60	-	
35.02	3,053,426	Belche	175	251	208	143.4	35	100	40	251	-		74 - 80	3.0	0.0	S	GW	80	-	
35.03	8,878,732	Vardino	492	335	327	67.7	-	180	312	335	-		80 - 90	3.5	1.5	S	SP, GW	80	+	
35.04	3,611,028	Graishte	275	205	164	74.5	-	180	95	205	-		75 - 80	2.1	0.9	S	GW	60	+	
35.05		DEMIR HISAR	1828	2627	2447	143.7						4000				S	GW	250	-	
35.06	8,781,096	Edinakovci	596	497	384	79.8	-	60	536	467	-		75 - 80	2.6	0.0	S	GW	80	+	
35.07	22,695,455	Zhurche	595	335	285	56.3	-	445	150	335	-	715	71 - 80	4.0	1.0	S	SP	80	+	
35.08	4,090,173	Zagoriche	255	253	140	99.2	-	120	135	253	-		75 - 85	3.0	0.0	S	SP	100	+	
35.09	12,133,289	Kochishte	177	58	45	32.8	-	-	177	-	58		75 - 80	1.2	0.0	NS	SP	-	+	
35.10	3,887,993	Kutretino	197	259	271	131.4	-	120	67	259	-		75 - 80	2.4	0.0	S	GW	-	-	
35.11	8,449,524	Leskovo	67	0	-	-	-	-	67	-	-	yes							+	
35.12	5,331,016	Novo Selo (DH)	169	66	50	39.0	-	115	54	-	66					NS	SP	-	+	
35.13	21,365,900	Obednik	403	438	382	108.7	-	320	83	-	438		75 - 80	2.5	0.0	S	SP	80	-	
35.14	9,944,471	Pribilci	427	271	287	63.5	-	160	267	271	-	120	75 - 80	2.8	0.0	S	GW	60	-	
35.15	4,826,318	Rakitnica	171	43	40	25.1	-	60	111	-	43		75 - 80	1.2	0.0	NS	SP	-	-	
35.16	8,008,563	Rastoja	138	38	23	28.2	-	8	130	-	39					NS	SP	-	+	
35.17	13,762,024	Sveta	590	479	403	81.2	50	514	27	479	-		75 - 85	3.4	0.0	S	GW	80	-	
35.18	1,270,255	Sladuevo	96	87	81	90.6	-	96	-	87	-		75 - 80	1.5	0.0	S	SP	50	-	
35.19	24,563,092	Slepche	1078	895	791	83.0	16	640	422	895	-	2441	71 - 80	3.6	0.0	S	SP	100	-	
35.20	16,440,549	Smilevo	731	542	384	74.1	15	-	716	542	-	yes	75 - 80	2.2	0.0	S	SP	80	+	
35.21	16,774,387	Strugovo	550	482	353	87.6	-	240	310	482	-	900	71 - 75	2.0	0.5	S	SP	80	-	
35.22	11,021,390	Suvodol	479	463	426	96.7	-	190	289	463	-	300	78 - 90	4.5	0.0	S	SP, SW	100	+	
35.23	2,986,706	Utovo	98	108	51	110.2	-	80	18	108	-		75 - 85	2.4	0.0	S	SP	60	+	
36.01	9,933,747	Babino	319	107	70	33.5	-	-	319	107	-		1980 - 85	1.5	0.6	S	SP	80	+	
36.02	12,950,334	Bazernik	211	84	83	39.8	-	-	211	-	84	yes				NS	SP	-	+	
36.03	21,766,135	Boishte	382	9	22	2.3	-	77	305	-	9	yes	75 - 80	1.0	0.0	NS	SP	-	+	
36.04	20,756,635	Brezovo	310	80	69	25.8	-	-	310	-	80	yes	80 - 85	2.0	0.0	NS	SP	60	+	
36.05	18,322,291	Velmevci	20.9	-	-	124	-	80 - 91	5.1	0.0	S	1.00	4.00	SP	100				+	
36.06	17,275,430	Virovo	435	269	217	61.8	-	10	425	269	-	yes	80 - 85	2.2	0.0	S	SP	60	+	
36.07	20,691,221	Golemo Ilino	295	103	81	34.9	-	-	295	103	-	yes	80 - 85	3.0	0.0	S	SP	50	+	
36.08	10,734,720	Dolenci	317	198	150	62.4	-	-	317	198	-	420	75 - 80	2.2	0.0	S	SP	60	+	
36.09	9,201,646	Zhvan	786	531	506	67.5	30	150	606	531	-		71 - 80	3.5	1.5	S	GW, SP	80	+	
36.10	12,763,570	Zhelezec	215	93	86	43.2	-	-	215	93	-	yes	80 - 85	1.5	0.0	S	SP	60	+	
36.11	19,293,439	Zashle	201	53	48	26.4	-	-	201	-	53	yes	80 - 85	1.2	0.0	NS	SP	-	+	
36.12	16,596,488	Malo Ilino	220	128	106	58.2	-	-	220	128	-	yes	75 - 85	2.3	0.0	S	SP	60	+	
36.13	14,546,753	Mrenoga	360	206	185	57.2	-	40	320	206	-		80 - 85	2.0	1.2	S	SP	60	+	
36.14	4,971,396	Radovo	141	26	28	18.4	-	-	141	-	26		80 - 85	1.0	0.0	NS	SP	-	+	
36.15	21,516,266	Sloeshtica	621	316	299	50.9	15	6	600	316	-	10	80 - 85	2.4	0.0	S	SP	80	+	
36.16	17,644,673	Sopotnica	1219	1138	989	93.3	924	155	140	1138	-		75 - 85	3.9	2.0	S	SP	150	+	
36.17	4,630,534	Suvo Grlu	102	32	27	31.4	-	70	32	32	-		75 - 80	1.3	0.0	S	SP	50	+	
36.18	7,764,340	Cerovo	153	13	10	8.5	-	-	153	-	13	yes	20			NS	SP	-	+	
		Sub-total*	15989	12195	10592	2638.1	1085	4186	8865.1	8630	909			81.1	109.6			2330		
		Average*	390.0	304.9	271.6	66.0	155.0	161.0	227.3	308.2	82.6			2.4	3.1			80.3		
		Total	15989	12195	10592	2638.1	1085	4186	8865.1	8630	909			81.1	109.6			2330		

\*excluding city

EUDV: Economically Under-developed Village

S: Suitable SW: Surface water  
NS: Not suitable SP: Spring water  
GW: Groundwater

Table 1.18 VILLAGE WATER SUPPLY INVENTORY OF KRUSHEVO FORMER MUNICIPALITY)

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance
			1971	1991	1994	Rate	in 1971		in 1991						Type of fund					
							Level 3/ Network	Level 1	Level2/ communal	Level3	Others				RIHP	Village				
58.01	8,292,208	Aldanci	548	466	414	85.0	-	522	26	-	466	yes	50	1985 - 92	3.0	1.5	S	SP	80	+
58.02	8,679,451	Arilevo	96	22	18	22.9	-	-	96	-	22	yes					NS	SP	-	+
58.03	8,260,565	Belushino	135	81	72	60.0	-	5	130	-	81	yes					NS	SP	-	+
58.04	6,157,721	Birino	13	0			-	-	13	-	-	yes								+
58.05	4,299,534	Borino	444	489	438	110.1	-	-	444	489	-			75 - 80	2.0	1.0	S	SP	60	+
58.06	13,601,578	Buchin	1184	926	685	78.2	-	958	226	926	-		1000	75 - 80	2.0	1.0	NS	GW	60	+
58.07	6,961,028	Vrboec	357	320	288	89.6	-	119	238	320	-		160	80 - 85	2.5	1.5	S	SP	60	+
58.08	12,171,890	G.Divjaci	183	67	61	36.6	-	13	170	-	67	yes					NS	SP	-	+
58.09	12,418,282	D.Divjaci	230	71	57	30.9	-	-	230	-	71	yes	540	80 - 85	2.0	0.0	S	SP	100	+
58.10	4,076,222	Jakrenovo	236	229	211	97.0	-	20	216	-	229	yes					S	SP	-	+
58.11	23,141,392	KRUSHEVO	4477	5466	5507	122.1	-	-	-	-	-		8340				S	SP	600	+
58.12		Miloshevo	101	76	60	75.2	-	24	77	76	-	yes	160	80 - 85	1.0	0.0	NS	SP	-	+
58.13	17,566,757	Norovo	444	539	542	121.4	-	195	249	539	-			75 - 80	1.5	1.5	S	SP	80	+
58.14	11,332,630	Ostrilci	137	49	42	35.7	-	-	137	-	49	yes					NS	SP	-	+
58.15	16,259,988	Presil	579	521	481	90.0	-	65	514	521	-		160	80 - 85	3.0	1.2	S	SP	50	+
58.16	11,326,875	Pusta Reka	367	200	173	54.5	-	7	360	200	-	yes		80 - 85	3.2	0.0	S	SP	80	+
58.17	5,765,675	Sazhdevo	222	299	316	134.7	-	107	115	-	299	yes		86 - 92	1.0	0.0	NS	SP	-	+
58.18	10,025,364	Sveto Mitrani	594	478	408	80.5	-	330	264	478	-		160	75 - 85	2.8	0.0	S	SP	80	+
58.19	10,178,635	Selce	266	56	48	21.0	-	-	266	-	56	yes		75 - 80	1.5	0.0	S	SP	50	-
59.01	15,285,935	Zhitoshe	1622	1779	1773	109.6	-	886	736	1779	-			71 - 85	4.5	2.6	S	SP	80	-
59.02	5,168,371	Lokveni	223	208	191	93.2	-	110	113	-	208		650				NS	SP	-	+
59.03	7,109,225	Tursko ( Podvis )	242	181	152	74.8	-	-	242	-	181		650	86 - 92	1.2	0.0	NS	GW	50	+
		Sub-total*	8223	7057	6430	1500.9	0	3361	4862	5328	1729				31.2	10.3			830	
		Average*	391.6	336.0	321.5	75.0	0.0	258.5	243.1	666.0	172.9				2.4	0.8			69.2	
		Total	12700	12523	11937	1623	0	3361	4862	5328	1729				31.2	10.3			1430	

\*:excluding city

EUDV: Economically Under-developped Village

S:Suitable SW:Surface water  
NS:Not suitable SP:Spring water  
GW:Groundwater



Table 1.19(1/3) VILLAGE WATER SUPPLY INVENTORY OF BITOLA FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developed Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance			
			1971	1991	1994	Rate	in 1971			in 1991					Type of fund								
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others				RIHP	Village							
3.01	24,389,845	Bitola			77464							12660											
3.02	9,097,346	Bratin Dol	259	209	176	80.7	10	89	160	209		yes		1976 - 80	3.5	0.0	S	SP	50	+			
3.03	8,736,522	Brusnik	783	394	320	50.3	35	25	723	394			900	71 - 75	2.0	2.5	S	SP	80	+			
3.04	17,921,282	Bukovo	2792	1306	1012	46.8	860	1000	932	1306			200	71 - 75	3.0	3.0	S	SP	120	-			
3.05	4,116,567	G.Orizari	990	2028	1992	204.8	10	95	885	2028				86 - 90	2.0	5.0	S	SW		-			
3.06	12,099,536	Dihovo	701	413	356	58.9	18	20	663	413			265	72 - 75	2.0	2.5	S	SP	100	+			
3.07	6,677,606	D.Orizari	836	1527	1503	182.6		360	476	1527			400	86 - 90	1.5	3.5	S	SW		-			
3.08	7,532,258	Karamani	488	465	362	95.3		110	378	465				85 - 90	2.2	3.0	S	SW		+			
3.09	10,955,755	Kiklino	667	651	609	97.6		427	240	651				81 - 85	2.2	2.8	S	SP	100	+			
3.10	9,491,321	Lavci	574	494	339	86.1	15	129	430	494				75 - 80	1.5	2.3	S	SP	70	+			
3.11	17,387,974	Logovardi	1156	1043	744	90.2		155	1000	1043		yes		81 - 85	3.0	4.0	S	SW		+			
3.12	16,111,458	Magarevo	167	82	90	49.1		17	150	82		yes		75 - 80	1.5	2.5	S	SP	100	+			
3.13	46,887,584	Nizepole	512	256	231	50.0	10		502	256		yes		85 - 90	1.2	1.8	S	SP	50	+			
3.14	9,045,541	Orchovo	261	51	39	19.5		11	250	51					1.0	0.0	S	SP	50	+			
3.15	7,153,127	Poeshevo	323	331	256	102.5		44	279	331				81 - 85	2.0	2.8	S	SW		+			
3.16	5,043,941	Rashtani	173	303	264	175.1		73	100		303						NS	GW		+			
3.17		Snegovo	0	0								yes									+		
3.18	11,999,695	Tim	216	181	120	83.8			216	181							S	SW		+			
3.19	6,480,522	Tmovo	347	293	299	84.4		7	340	293		yes		75 - 80	2.0	2.2	S	SP		+			
4.01	6,915,826	Bareshani	451	434	212	96.2			451	434				1973 - 81	2.5	1.0	S	SP	80	+			
4.02	5,705,198	Bistrica	965	1105	988	114.5	10	375	580	1105				74 - 81	5.0	3.0	S	SP	100	+			
4.03	16,082,026	Velushina	1372	190	155	13.8	302	340	730	190							S	SP	100	+			
4.04	22,089,571	Gorno Egri	0	0																+			
4.05	19,281,141	Graeshnica	570	230	218	40.3	146	36	388	230		yes		75 - 80	7.5	0.0	S	GW		+			
4.06		Dolno Egri	124	0					124								NS			+			
4.07	11,986,740	Dragosh	599	86	44	14.3		14	585	86		yes		81 - 85	2.5	3.0	S	SP	80	+			
4.08	2,042,563	Kravari	536	1252	193	233.6		476	60	1252				81 - 85	3.0	3.5	S	SW		+			
4.09	31,007,925	Kremenica	315	156	20	49.5		5	310		156	yes	1446				NS	GW		+			
4.10	3,797,985	Kristoar	349	285	127	81.7		9	340	285				75 - 80	7.0	3.0	S	SP	60	+			
4.11	12,209,707	Lazec	1278	515	437	40.3		98	1180		515	yes	200				NS	SP		+			
4.12		Medzhitlija	137	206	1208	150.4		130	7		206	yes	1446				NS	GW		+			
4.13	4,688,124	Oleveni	295	230	157	77.9		295		230							S	SW		+			
4.14	16,785,152	Optichari	745	442	187	59.3		160	585	442			1446				S	SW		+			
4.15	3,896,589	Zabeni	554	209	339	37.7		48	506	209			1452				NS	GW		+			
4.16	19,153,256	Zlokukjani	65	38	175	58.5			65		38	yes					NS	SP		+			
4.17	5,355,712	Kanino	276	150	154	54.3			270	150				85 - 90	0.0	1.5	S	GW		+			
4.18	19,674,202	Kishava	822	640	326	77.8	22	30	770	640		yes		81 - 85	2.0	2.5	NS	SP		+			
4.19	17,691,869	Ostrec	441	322	260	73.0		11	430		322	yes			0.5	0.0	NS	SP		-			
4.20	15,702,736	Porodin	536	256	241	47.7		6	530	256							NS	GW		+			
4.21		Sredno Egri	527	618	348	117.3		200	327		618		1445				NS	GW		+			
5.01	5,445,482	Armatush	31	40	39	129.0			31	40		yes					NS	SP		+			
5.02	10,954,416	Baldovenci	0	0																+			
5.03	6,076,220	Bitjanik	261	205	107	78.5	10	161	90		205						NS	SP		+			
5.04	9,239,204	Vranjevci	254	27	33	10.6		4	250	27							NS	SP		+			
5.05	17,210,602	Gnetino	255	64	73	26.1			255		64		1345				NS	SP		+			
5.06	20,859,236	Gnitesh	77	6	6	7.8			77		6	yes					NS	SP		+			

Table 1.19(2/3) VILLAGE WATER SUPPLY INVENTORY OF BITOLA FORMER MUNICIPALITY

Ordinal number	Surface area (m <sup>2</sup> )	Village/City	Population				Population by water supply type					Economically Under-Developped Village	Subsidy of MUPCE (1991-1997) (1000MKD)	Period of construction	Length of Pipelines (km)		Potability of water	Water source	Capacity of reservoir (m <sup>3</sup> )	Water balance	
			1971	1991	1994	Rate	in 1971		in 1991												
							Level 3/ Network	Level 1	Level 2/ communal	Level 3	Others										
															RHP	Village					
5.07	8,799,397	G.Aglarci	355	256	215	72.1		75	280	256				81 - 86	1.5	2.0	S	GW		+	
5.08	8,817,271	Grumazi	72	50	16	69.4		70	2		50	yes					NS	SP		+	
5.09	5,518,375	Dalbegovci	395	291	187	73.7		84	311	291				86 - 90	1.5	2.0	S	SP	80	+	
5.10	11,573,304	Dobromiri	552	406	368	73.5		540	12		406			85 - 90	2.0	2.5	NS	GW		+	
5.11	3,268,468	D.Aglarci	390	272	183	69.7			390	272				81 - 85	1.5	2.0	S	GW		+	
5.12	19,985,562	D.Orehovo	260	66	71	25.4		20	240		66	yes					NS	SP		+	
5.13	8,317,810	Meglenci	233	47	43	20.2			233		47	yes					NS	SP		+	
5.14	12,060,214	Novaci	1207	1312	1279	108.7		1140	67		1312			85 - 90	2.5	4.0	S	SW		-	
5.15		Novo Selo	0	0																	+
5.16	8,905,452	Paralovo	149	16	17	10.7		9	140		16	yes					NS	SP		+	
5.17	7,028,220	Ribarci	224	161	146	71.9		124	100	161			1980	81 - 85	1.8	2.2	S	GW		+	
5.18	9,213,538	Suvodol	479	232	17	48.4		55	424	232				81 - 85	2.0	3.0	S	SP		+	
5.19	12,301,002	Tepovci	303	43	44	14.2			303		43	yes					NS	SP		+	
6.01	17,789,636	Bach	557	438	191	78.6		17	540		438	yes	450				NS	SP		+	
6.02	21,335,560	Brod	535	90	88	16.8			535		90	yes	1000	81 - 86	1.5	2.0	NS	GW		-	
6.03	6,660,489	Veleselo	81	12		14.8			81		12	yes					NS	SP		+	
6.04	16,510,407	Germijan	541	365	286	67.5		10	531	365		yes					NS	GW		+	
6.05	15,370,132	Dobroveni	303	49	44	16.2		3	300		49	yes	200				NS	SP		+	
6.06	29,837,760	Zivojno	683	304	288	44.4		5	680	304		yes	200	85 - 90	6.5	2.5	NS	GW		+	
6.07	11,476,055	Polog	56	3	2				56		3	yes					NS	SP		+	
6.08	90,548,581	Skochivir	381	197	50	51.7	43	30	308	197		yes		81 - 85	1.0	2.5	S	SP	60	+	
6.09	11,847,217	Slivica	263	13	6	4.9			263		13	yes					NS	SP		+	
6.10	16,230,689	Sovich	151	17		11.2			151		17	yes					NS	SP		+	
7.01	14,945,033	Bmik	122	9	8	7.4			122		9	yes					NS	SP		+	
7.02	40,541,508	Budimirci	396	85	42	21.5			396		85	yes					NS	SP		+	
7.03	83,852,030	Gradeshnica	770	167	115	21.7			770		167	yes					NS	SP		+	
7.04	18,252,651	Grunishta	84	20	3	23.8			84		20	yes					NS	SP		+	
7.05	19,751,036	Zovikj 1	317	53	54	16.7			317		53	yes					NS	SP		+	
7.06	2,586,256	Zovikj 2	317	53	54	16.7			317		53	yes					NS	SP		+	
7.07	25,010,379	Iveni	168	14	10	8.3			168		14	yes					NS	SP		+	
7.08	26,583,086	Makovo	390	110	98	28.2			390	110		yes		81 - 85	1.5	1.8	S	SP	60	-	
7.09	9,789,585	Orle	206	40	26	19.4			206	40		yes		81 - 85	1.0	0.0	S	SP	50	+	
7.10	7,739,928																				
7.11	22,384,873	Rapesh	427	97	74	22.7		17	410	97		yes		75 - 80	2.5	0.0	S	GW		+	
7.12	60,102,894	Staravina	405	43	26	10.6		32	373		43	yes					NS	SP		+	
8.01	20,275,765	Beranci	1216	682	478	56.1		350	866	682				73 - 78	2.0	2.0	S	GW	80	+	
8.02	7,086,307	Vacharejci	468	332	231	70.9		12	76	380	332						NS	SP		+	
8.03	10,890,592	G.Charlija	29	22	6	75.8			10	19		22					NS	SP		+	
8.04		D.Charlija	457	243	236	54.3			450	7	248						NS	GW		+	
8.05		D.Srpel	1338	700	545	52.3			810	528	700			86 - 90	1.8	2.6	S	GW	100	+	
8.06	17,255,709	Ivanjevci	959	726	673	75.7			724	235	726						S	GW	100	+	
8.07	9,067,393	Loznani	557	382	215	68.6			20	537	382			85 - 90	2.0	2.5	S	SP	70	+	
8.08	25,685,684	Mogila	2282	2284	1576	100.1		1160	1222	2284			1400	75 - 80	2.0	3.8	S	GW		-	
8.09	5,341,064	Novoselani	227	94	79	41.4			72	155	94			85 - 91	1.2	1.8	S	SP	50	+	
8.10	6,304,286	Podino	172	75	67	43.6			90	82		75					NS	SP		+	
8.11	8,600,194	Radobor	373	430	157	115.3		13	360		430						NS	GW		+	