

MINISTRY OF AGRICULTURE,  
NATURAL RESOURCES AND ENVIRONMENT

WATER DEVELOPMENT DEPARTMENT

**ANNUAL REPORT 2005**

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## **WATER DEVELOPMENT DEPARTMENT**

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### **1. Introduction**

The Water Development Department is responsible for implementing the water policy of the Ministry of Agriculture, Natural Resources and Environment. Main objective of this policy is the rational development and management of the water resources of Cyprus. In this context, the responsibilities of the department cover a wide and diverse spectrum, which includes: a) the collection, processing and classification of hydrological, hydrogeological, geotechnical and other data necessary for the study, maintenance and safety of the water development works, b) the study, design, construction, operation and maintenance of works, such as dams, ponds, irrigation, domestic water supply and sewerage schemes, water treatment works, sewage treatment and desalination plants, and c) the protection of the water resources from pollution.

### **2. Structure and Activities**

The Water Development Department consists of the following divisions: Water Resources, Hydrology, Planning, Design, Rural Projects-Tenders and Contracts, Sewage and Reuse, Construction, Management, Operation and Maintenance of Government Water Supply Systems, Operation and Maintenance of Irrigation Systems, Telemetry and the Mechanical-Electrical Services Division. The Department has also four Regional Offices, located in Nicosia, Limassol, Paphos and Famagusta-Larnaca.

### **3. Activities**

The basic water policy of the Government is the production of desalinated sea water, the use of non-conventional sources such as the use of recycled water for irrigation, recharge and amenity purposes, the desalting of brackish water, the efficient use of available water including the better use of pricing and water conservation measures, the harmonisation with the European acquis, the protection, preservation and improvement of the water quality, the introduction of new effective management procedures through the establishment of a Water Entity and the development of the remaining existing water resources with the construction of dams until 2015.

During 2005, every household in every part of free Cyprus had continuous supply of drinking water on a 24-hour basis. The new desalination plant near Larnaca Airport, the largest of Cyprus in this sector, coupled with the Dhekelia plant produce 33 million cubic metres of water a year. This quantity along with the quantity of water in the dams constitutes safe quantities for completely lifting restrictions.

Further to the above, the Ministry of Agriculture, Natural Resources and Environment implemented several other measures to increase the supply of water and to encourage water conservation.

During the year under review, the Water Development Department continued its usual work with the aim of achieving the above-mentioned goals and has continued or initiated the implementation of numerous projects and programmes vital to the further development of all sectors of the Cyprus economy.

The main construction works included the construction of Akaki-Malounda Dam and Dhiarizos Irrigation Area.

Other activities also included the completion of the Environmental Impact Assessment Study for Soleas Valley. Furthermore the “Water Protection and Management Law of 2004 “ (N.13(I)/2004), transposing all the provisions of the Directive 2000/60/EC, was voted by the House of Representatives on 5 February 2004 and published in the Official Government Gazette on 20 February 2004.

ΠΙΝΑΚΑΣ 9  
ΚΥΒΕΡΝΗΤΙΚΑ ΥΔΑΤΙΚΑ ΕΡΓΑ  
ΥΔΡΟΛΟΓΙΚΑ ΣΤΟΙΧΕΙΑ 2005

	Εκ.Κυβ.μέτρα	Χωρητικότητα	Αποθηκευμένη ποσότητα		Εισροή	Χρήση Νερού			Ολικό
		Εκ.Κυβ.μέτρα	1/1/2005	31/12/2005	1/1-31/12	Υδρευση	Αρδευση	Εμπλουτ	
1	Χρυσοχού								
1.1	Φράγματα								
	(i) Ευρέτου	24,00	14,947	10,459	1,627		4,341		4,341
	(ii) Πλωμός	0,860	0,041	0,069	0,321		0,390		0,390
	(iii) Αγία Μαρίνα	0,298	0,045	0,073	0,081		0,096		0,096
	(iv) Αργάκα	0,990	0,065	0,168	0,591		0,646		0,646
	<b>Ολικό</b>	<b>26,148</b>	<b>15,098</b>	<b>10,769</b>	<b>2,620</b>		<b>5,473</b>		<b>5,473</b>
1.2	Γεωτρήσεις								0,000
	Ολικό Χρυσοχούς	26,148	15,098	10,769	2,620		5,473		5,473
2.1	<b>Πάφος</b>								
	Φράγματα								
	(i) Ασπρόκρεμμος	52,375	38,537	30,085	6,592	5,300	6,100	1,000	12,400
	(ii) Μαυροκόλυμπος	2,180	0,765	0,455	0,506		1,350		1,350
	<b>Ολικό</b>	<b>54,555</b>	<b>39,302</b>	<b>30,540</b>	<b>7,098</b>	<b>5,300</b>	<b>7,450</b>	<b>1,000</b>	<b>13,750</b>
2.2	Γεωτρήσεις&Εκτροπές					4,100	6,550	0,800	11,450
	Ιννία, Δρούσια, Βρέτσια, Αναδιού					0,100	0,240		0,340
	Ολικό Πάφου	54,555	39,302	30,540	7,098	9,500	14,240	1,800	25,540
3	<u>Νότιος Αγωγός</u> <u>Βασιλικός - Πεντάσχοινος</u> <u>Γερμασόγεια - Πολεμίδα</u>								
3.1	<b>Φράγματα</b>								
	(i) Κούρης	115,000	83,556	55,349	14,898	18,262	21,795	1,490	41,547
	(ii) Καλαβασός	17,100	11,447	7,775	2,305	0,913	4,601		5,514
	(iii) Λεύκαρα	13,850	12,363	5,971	0,890		6,000		6,000
	(iv) Διπόταμος	15,500	10,182	9,057	1,504	1,190	1,100		2,290
	(v) Γερμασόγεια	13,500	7,407	2,837	4,735		0,987	7,068	8,055
	(vi) Πολεμίδα	3,400	2,068	1,629	0,788		0,600		0,600
	(vii) Κίτι	1,600	0,000				0,000		0,000
	(viii) Άχνα	6,800	4,491	1,446			1,100		1,100
	<b>Ολικό</b>	<b>186,750</b>	<b>131,514</b>	<b>84,064</b>	<b>25,120</b>	<b>20,365</b>	<b>36,183</b>	<b>8,558</b>	<b>65,106</b>
3.2	Γεωτρήσεις Λάρνακας					2,030			2,030
3.3	Γεωτρήσεις Λεμεσού					10,200			10,200
3.4	Αφαλάτωση					30,800			30,800
3.5	Ανακυκλ. Νερό Δυτικά καί Ανατολικά τής Λεμεσού						3,800		3,800
3.6	Ανακυκλ. Νερό Λάρνακας						1,400		1,400
	Ολικό Ν.Α./ Β.Π /Γ.Π	186,750	131,514	84,064	25,120	63,395	41,383	8,558	113,336
4	<b>Εργα Επ. Λευκωσίας</b>								0,000
4.1	<b>Φράγματα</b>								0,000
	Ξυλιάτος	1,430	0,646	0,302	0,459		0,819		0,819
	Βυζακιά	1,690	0,869	0,280	0,123		0,434		0,434
	Καλοπαναγιώτης	0,363	0,363	0,335	0,487		0,385		0,385
	Λύμπια	0,220					0,055		0,055
	<b>ολικό</b>	<b>3,703</b>	<b>1,878</b>	<b>0,917</b>	<b>1,069</b>	<b>0,000</b>	<b>1,693</b>	<b>0,000</b>	<b>1,693</b>
	Ανακυκλ.Νερό Βαθειάς Γωνιάς						0,069		0,069
	Γεωτρήσεις								0,000
	Ολικό Επ. Λευκωσίας					0,000	1,762		1,762
5	Αρμίνου	4,300	1,368	1,954	11,074			4,612	4,612
6	Αυδήμου-Παραμάλι						0,175		0,175
	<b>Ολα τά έργα</b>								
	Φράγματα	275,456	189,160	128,244	46,981	25,665	50,799	14,170	90,634
	Γεωτρήσεις					16,430	6,725		23,155
	Αφαλάτωση					30,800			30,800
	Ανακυκλωμένο Νερό						5,269		5,269
	<b>Γενικό Ολικό</b>	<b>275,456</b>	<b>189,160</b>	<b>128,244</b>	<b>46,981</b>	<b>72,895</b>	<b>62,793</b>	<b>14,170</b>	<b>149,858</b>