
**STATUS REPORT OF THE WATER
RESERVOIRS,
IRRIGATION & CHLORINE COST
2022**

CONDADO DE ALHAMA GOLF RESORT



October – 2022

INDEX

1.	INTRODUCTION	3
2.	IDENTIFICATION AND CHARACTERIZATION OF RESERVOIRS AND LAKES.....	3
3.	RESERVOIRS AND LAKES STATE	5
4.	CONSUMPTIONS	7
1.1.-	OUTER RING	8
1.2.-	INNER RING	8
5.	IRRIGATION TIMES AND FREQUENCIES	9
6.	POOL MAINTENANCE.....	10
7.	CHLORINE CONSUMPTION IN POOLS	11

1. INTRODUCTION

In order to provide more information and to be able to better study and plan irrigation frequencies in the future in the face of possible water restrictions, this report has been prepared, which shows the historical data recorded during October of 2022.

2. IDENTIFICATION AND CHARACTERIZATION OF RESERVOIRS AND LAKES

Today, Condado de Alhama Golf Resort has two reservoirs that receive water from the rainwater network.

These reservoirs have an approximate capacity of 117,000 m³ in total.

RESERVOIRS	CAPACITY(m ³)	(%)
RESERVOIR 35	54.500	100%
RESERVOIR 41	63.000	100%



On the other hand, it has an Ornamental Lake and an Irrigation Lake. From the latter, the water is taken that will later go to the different gardens of the Community.

These lakes have an approximate capacity of 195,000 m³ in total.

LAKE	CAPACITY(m ³)	(%)
IRRIGATION	20.000	100%
ORNAMENTAL	175.000	100%



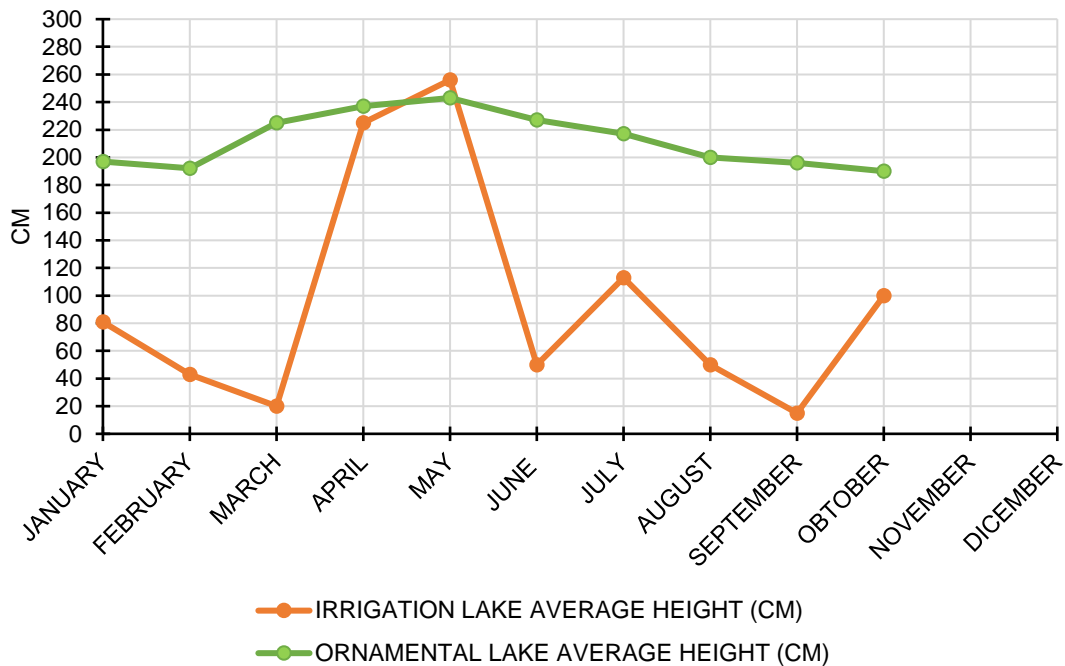
3. RESERVOIRS AND LAKES STATE

Below are the average data, recorded during October of 2022, about the state of the capacities of the irrigation reservoirs, as well as the ornamental lake

	ESTIMATED AVERAGE WEEKLY VOLUME M ³								
	DATE	IRRIGATION LAKE	CAPACITY	ORNAMENTAL LAKE	CAPACITY	IRRIGATION RESERVOIR 35	CAPACITY	IRRIGATION RESERVOIR 41	CAPACITY
OCTOBER	WEEK 1	11.000	55%	137.800	79%	5.000	9%	15.000	24%
	WEEK 2	9.500	48%	137.100	78%	0	0%	15.000	24%
	WEEK 3	10.000	50%	136.400	78%	10.000	18%	5.000	8%
	WEEK 4 + 5	8.000	40%	135.000	77%	10.000	18%	5.000	8%

	OBSERVATIONS				
	DATE	IRRIGATION LAKE	ORNAMENTAL LAKE	IRRIGATION RESERVOIR 35	IRRIGATION RESERVOIR 41
OCTOBER	WEEK 1	Receives 15,000 m ³ (reservoirs 35)		Transfer 15,000 m ³ (Irrigation)	
	WEEK 2	Receives 5,000 m ³ (reservoirs 35)		Transfer 5,000 m ³ (Irrigation)	
	WEEK 3	Collects 5,000 m ³ (Acuamed)		Receives 10,000 m ³ (reservoirs 41)	Transfer 10,000 m ³ (reservoirs 35)
	WEEK 4				
	WEEK 5	Collects 10,000 m ³ (Acuamed)			

IRRIGATION LAKE ANS ORNAMENTAL LAKE AVERAGE DEPTH



FINAL COMMENTS

At the end of October, the height of the irrigation lake was around 100 cm.

Likewise, during the month of October, the irrigation days and times at the Resort were reduced, in accordance with the usual irrigation water practices that have been carried out with the arrival of low temperatures and rainfall.

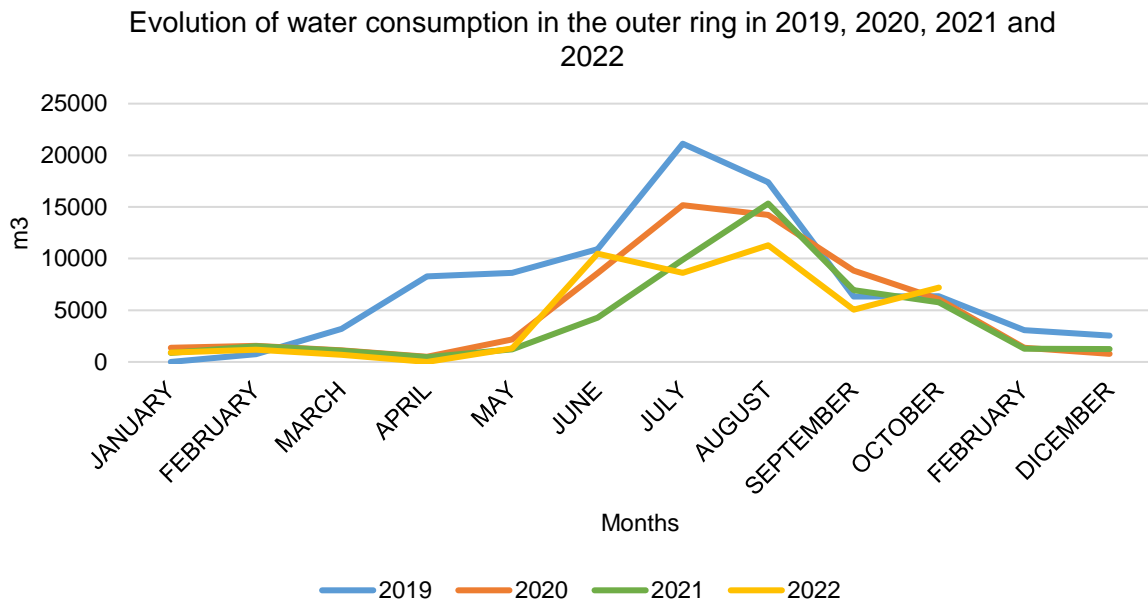
4. CONSUMPTIONS

On the other hand, the average data recorded during October of 2022, about the weekly consumption of the outer ring, inner ring and the total sum of both are shown here. In addition, the rainfall recorded throughout this period is also shown.

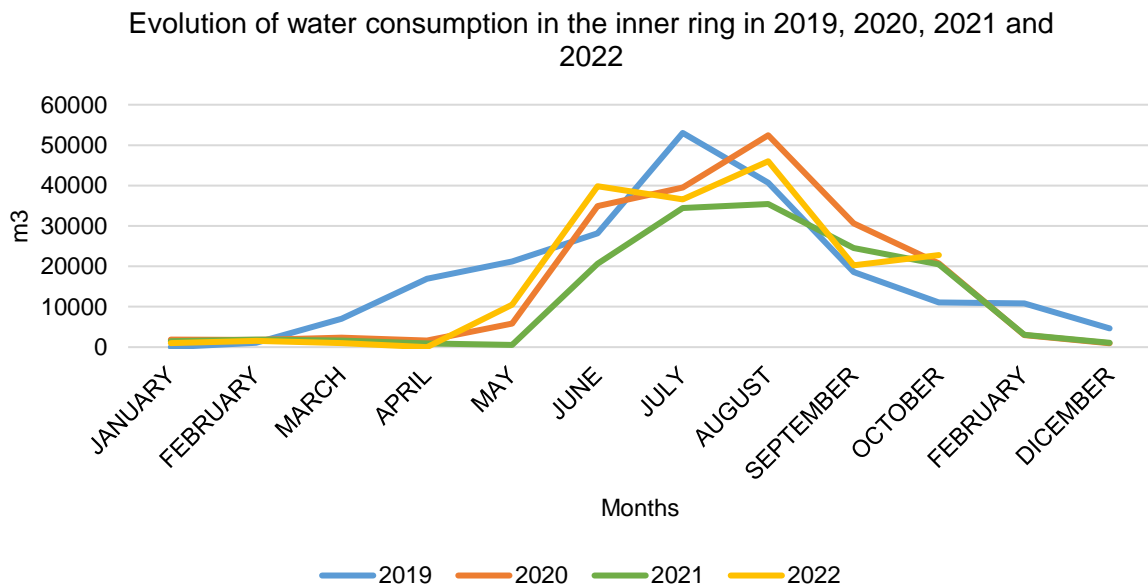
ESTIMATED AVERAGE WEEKLY CONSUMPTION M ³					
	FECHA	ACCUMULATED PRECIPITATION (L/M2)	CONSUMPTION EXTERNAL RING (M3)	CONSUMPTION INTERNAL RING (M3)	TOTAL CONSUMPTION (M3)
OCTOBER	WEEK 1	0	1.106	4.109	5.215
	WEEK 2	0	1.512	5.336	6.848
	WEEK 3	10	866	3.818	4.684
	WEEK 4 + 5	0	3.715	9.489	13.204
TOTAL MONTH		0	10	7.199	22.752

Similarly, a graph has been drawn up to better visualize the evolution of the average monthly irrigation consumption in the outer and inner ring throughout the year and its comparison with previous years:

1.1.- OUTER RING



1.2.- INNER RING



FINAL COMMENTS

During the last month 29.951 m³ have been consumed in the whole Condado de Alhama Golf Resort..

5. IRRIGATION TIMES AND FREQUENCIES

The current weekly irrigation times and frequencies (October) are shown below.

AUTUMN			
Zone	Area	Type of irrigation	Watering time
Outer Ring	lawn platforms	Sprinkling	4 d / 15 min
	Medians and Roundabouts (grass)	Underground drip	4 d / 12 min
	Landscaping (shrubs)	Underground drip	3 d / 15 min
	New plantations (shrubs)	Underground drip	3 d / 30 min
	Stripes (wooded)	Underground drip	1 d / 15 min
Inner Ring	Lawn Platforms	Sprinkling	4 d / 15 min
	Private houses and flower beds (lawns))	Diffusion	4 d / 5 min
	Stripes, medians and flower beds	Underground drip	4 d / 12 min
	Ornamental lake slope	Shallow drip	3 d / 10 min
Planters	Penthouses	Shallow drip	4 d / 10 min
	La Isla	Shallow drip	4 d / 10 min

6. POOL MAINTENANCE

POOL	OBSERVATIONS
Jardines 1	It remains empty during the whole month of January due to maintenance work outside STV's control. After maintenance work outside STV's control, it is filled on 21 February and pH and chlorine stabilisation treatments are started.
Jardines 2	It remains empty so that non-STV maintenance work can begin. After non-STV maintenance work, it is filled on 1 March 2022 and pH and chlorine stabilisation treatments are started.
Jardines 3	It is emptied on 18 February to allow maintenance work to begin outside STV. Continues empty during March. Filled on 11 April 2022.
Jardines 4	It is emptied in March so that maintenance work outside STV can begin. Filled on 19 April 2022.
Jardines 5	It is emptied on 14 March so that maintenance work can begin outside STV's control. It remains empty during the month of April. And, it is filled again on 13 May 2022. It also remains empty between 23 and 27 July so that a company outside STV can replace the stoneware in the pool.
Naranjos 2	Empty since 20 January to begin maintenance work outside STV's control. It remains empty in March. And, Filled on 12 April 2022.
Naranjos 6	It will be emptied on 12 May to start maintenance work outside STV's control. To be filled on 26 May 2022.
Naranjos 7	The pool is emptied on 9 March and cleaning begins, but due to "Borrasca Celia" the refilling is delayed until 7 April (STV). And, the pool is refilled on 11 April.
Penthouses 2-3	It is emptied on 7 February and collected by STV. Filled on 1 March 2022 and began pH and chlorine stabilisation treatments.
Penthouses 5-6	It is emptied on 14 February and is collected by STV. Filled on 2 March 2022 and began pH and chlorine stabilisation treatments.
Penthouses 12-13	It is emptied on 1 March so that maintenance work can begin outside STV. At the end of April - beginning of May, we are informed that the maintenance work has not yet been completed, so it remains empty until 11 May 2022, when it is filled again.
La Isla 2-3	Emptying on 6 April for grouting work to begin by STV. The pool is refilled on 25 April 2022.

7. CHLORINE CONSUMPTION IN POOLS

POOL		Levels		OCTOBER CONSUMPTION			
		pH	Cl	CHLORINE TABLETS (Kg)	GRANULATED CHLORINE (Kg)	CHLORINE LIQUID (L)	ACID (L)
LA ISLA	LI 2-3	7,2	1,2	0,0 Kg	0,0 Kg	140,0 L	0,0 L
	LI 9-10	7,2	1,2	0,0 Kg	0,0 Kg	140,0 L	20,0 L
NARANJOS	N2	7,2	1,2	0,00 Kg	0,0 Kg	60,0 L	0,0 L
	N4	7,2	1,2	0,00 Kg	0,0 Kg	120,0 L	0,0 L
	N5	7,2	1,2	0,00 Kg	0,0 Kg	120,0 L	0,0 L
	N6	7,2	1,2	0,00 Kg	0,0 Kg	100,0 L	0,0 L
	N7	7,2	1,2	0,00 Kg	0,0 Kg	120,0 L	0,0 L
	N8	7,2	1,2	0,00 Kg	0,0 Kg	120,0 L	0,0 L
PENTHOUSES	PH 2-3	7,2	1,2	0,00 Kg	0,0 Kg	120,0 L	0,0 L
	PH 5-6	7,2	1,2	0,00 Kg	0,0 Kg	80,0 L	20,0 L
	PH 9-10	7,2	1,2	0,00 Kg	0,0 Kg	100,0 L	20,0 L
	PH 12-13	7,2	1,2	0,00 Kg	0,0 Kg	60,0 L	0,0 L
JARDINES	J1	7,2	1,2	0,0 Kg	0,0 Kg	20,0 L	0,0 L
	J2	7,2	1,2	0,00 Kg	0,0 Kg	60,0 L	0,0 L
	J3	7,2	1,2	0,0 Kg	0,0 Kg	120,0 L	0,0 L
	J4	7,2	1,2	0,0 Kg	0,0 Kg	60,0 L	40,0 L
	J5	7,2	1,2	0,0 Kg	0,0 Kg	60,0 L	0,0 L
	J7	7,2	1,2	0,00 Kg	0,0 Kg	100,0 L	20,0 L
	J8	7,2	1,2	0,00 Kg	0,0 Kg	140,0 L	0,0 L
	J9	7,2	1,2	0,00 Kg	0,0 Kg	100,0 L	20,0 L
	J10	7,2	1,2	0,00 Kg	0,0 Kg	120,0 L	0,0 L
	J11	7,2	1,2	0,00 Kg	0,0 Kg	160,0 L	20,0 L
	J12	7,2	1,2	0,0 Kg	0,0 Kg	140,0 L	20,0 L
	J13	7,2	1,2	0,0 Kg	0,0 Kg	180,0 L	20,0 L

TOTAL CONSUMPTION	0,0 Kg	0,0 Kg	2540,0 L	200,0 L
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COST	0 €	0,00 €	1733,55 €	82,94 €
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TOTAL COST	1816,49 €			
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*V.A.T. not included