

L'Albufera de València: present and future

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Natural Areas and



**AYUNTAMENT
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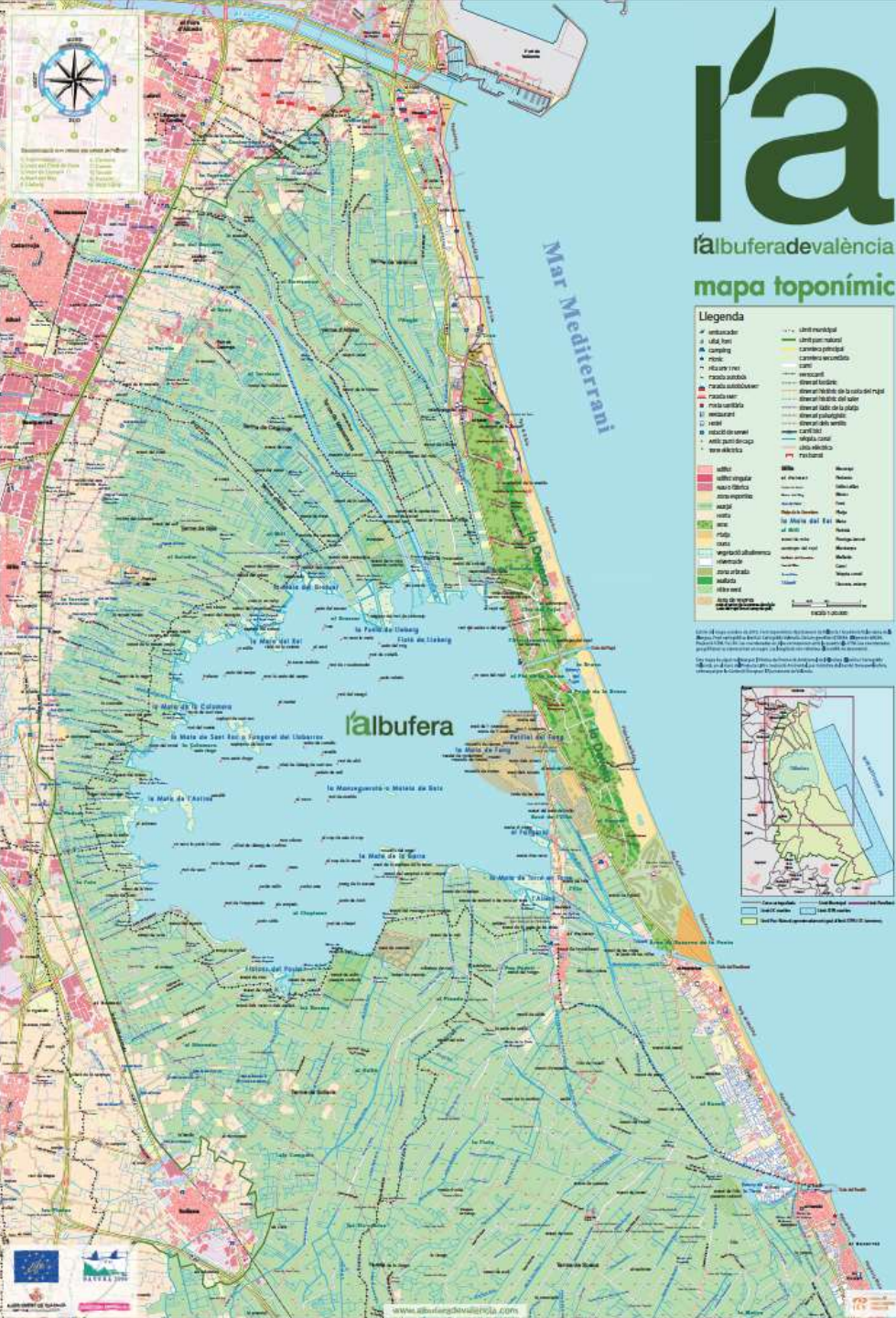




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MAIN CHARACTERISTICS

Lake: 2,100 hectares and 1.5 m depth. Freshwater coming from surrounding rice fields which in turn are fed by the Jucar and Turia rivers. Connected with sea by Golas. Hypertrophic state.

Marsh: rice fields. 14,100 hectares (70% of the Natural Park). It rules the hydrological regime of the entire Park, including the lake. High biodiversity.

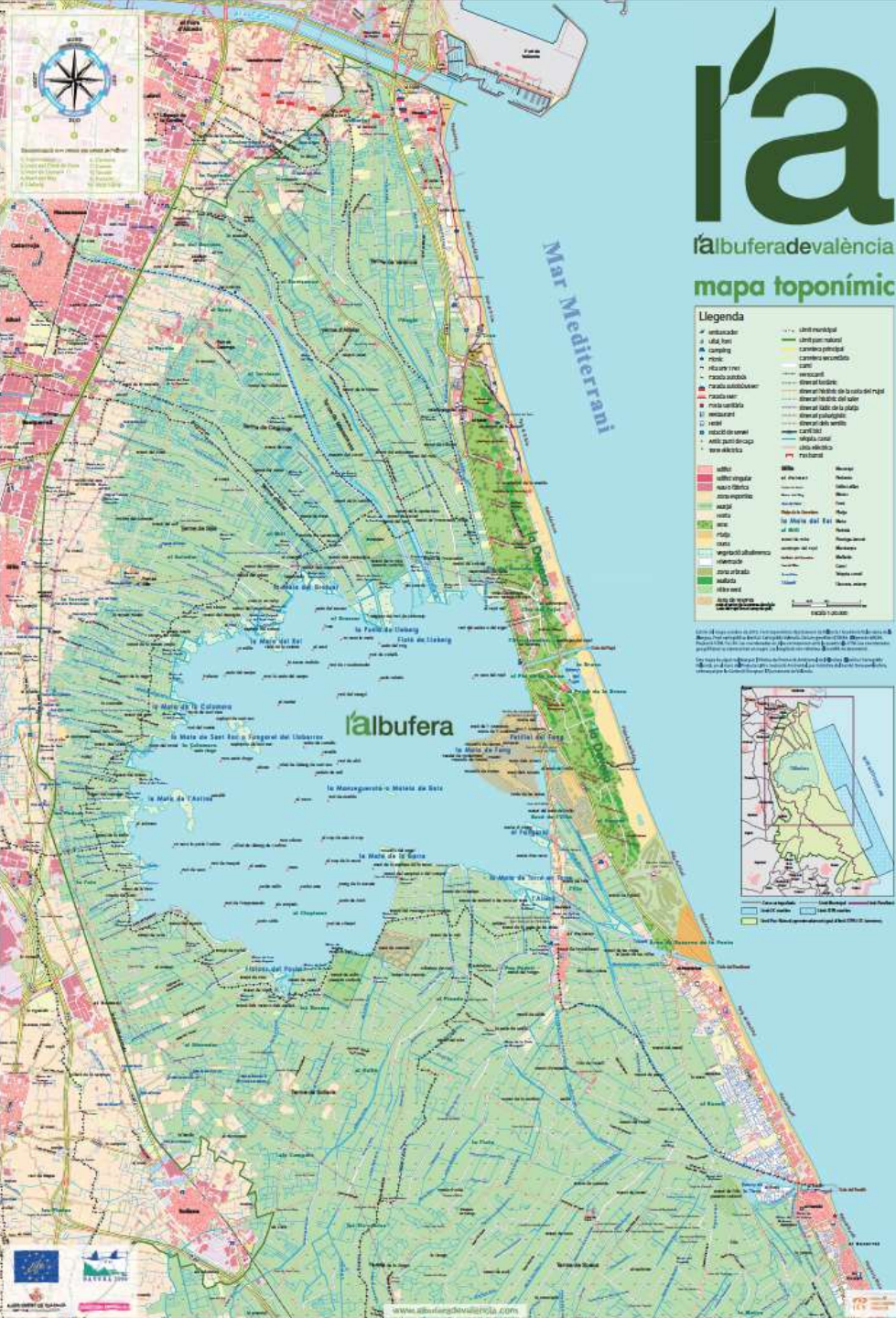
Devesa: 10 x 1 km. It separates l'Albufera from the sea. Beaches, dunes, forest and Malladas (mainly



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HIGH COMPLEXITY MANAGEMENT

Central Government: hydrological management through the Júcar Hydrological Confederation (CHJ).

Generalitat Valenciana (regional government): responsible administration of environmental management. It declared l'Albufera the first Valencian Natural Park in 1986 .

Ajuntament de València (local government): owner of the lake and Devesa for more than 100 years. From the 80's, highly involved in management both in lake and forest.



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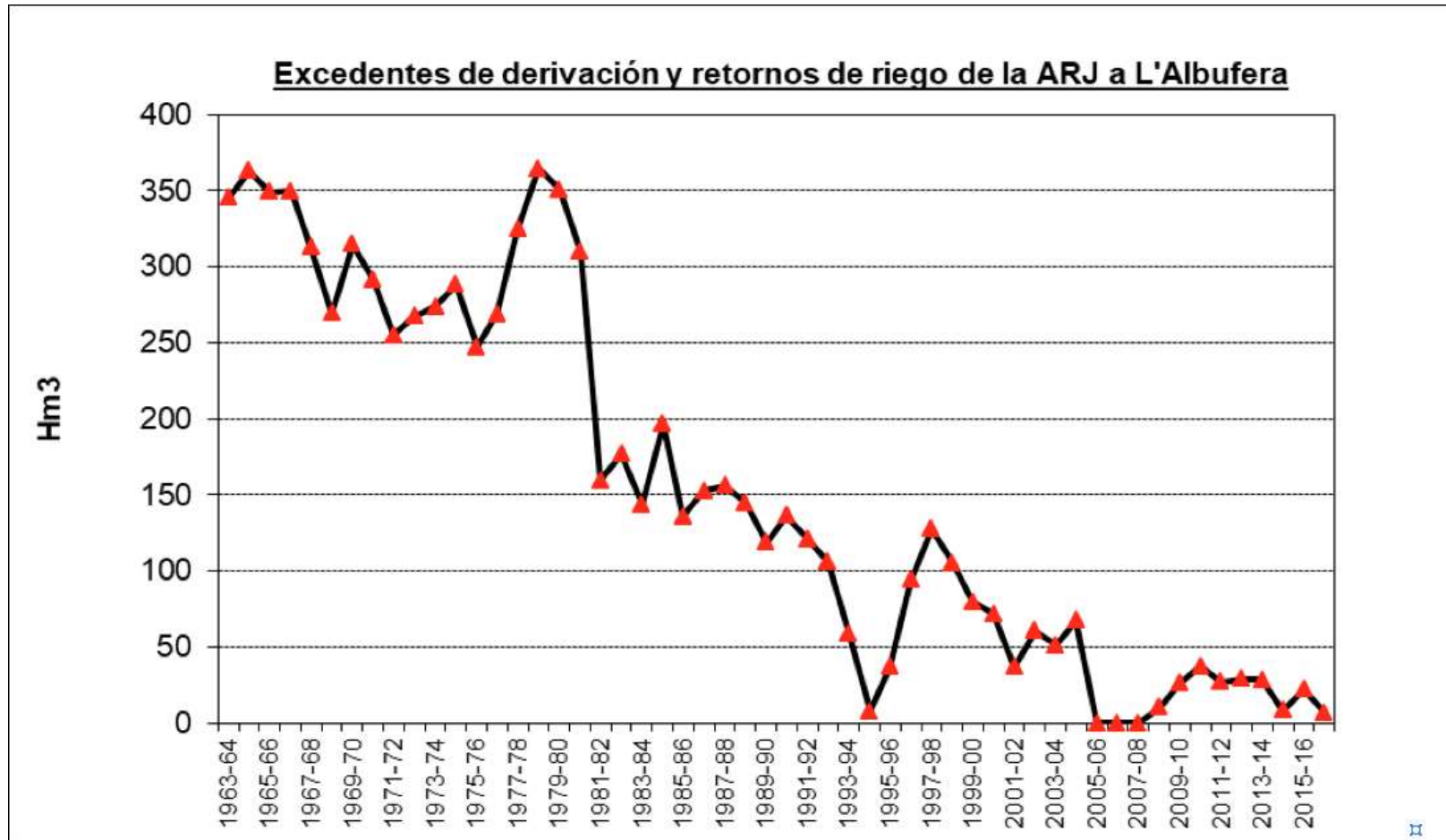


The environmental collapse in the 70's



On the left, it can be observed a lake with massive presence of macrophytes. On the right, the lake nowadays. The green colour predominates due to excessive growth of microalgae (hypertrophic state).

The cause of the decline



Evolución de los excedentes de derivación y retornos de la ARJ a l'Albufera.

Fuente: Datos de 1963 a 1996: "Tres casos de planificación Hidrológica" DGOHCA. MMA. 2000. Datos de 1996 a 2017: Web MAGRAMA y SIA CHJ.



A hypertrophic lake

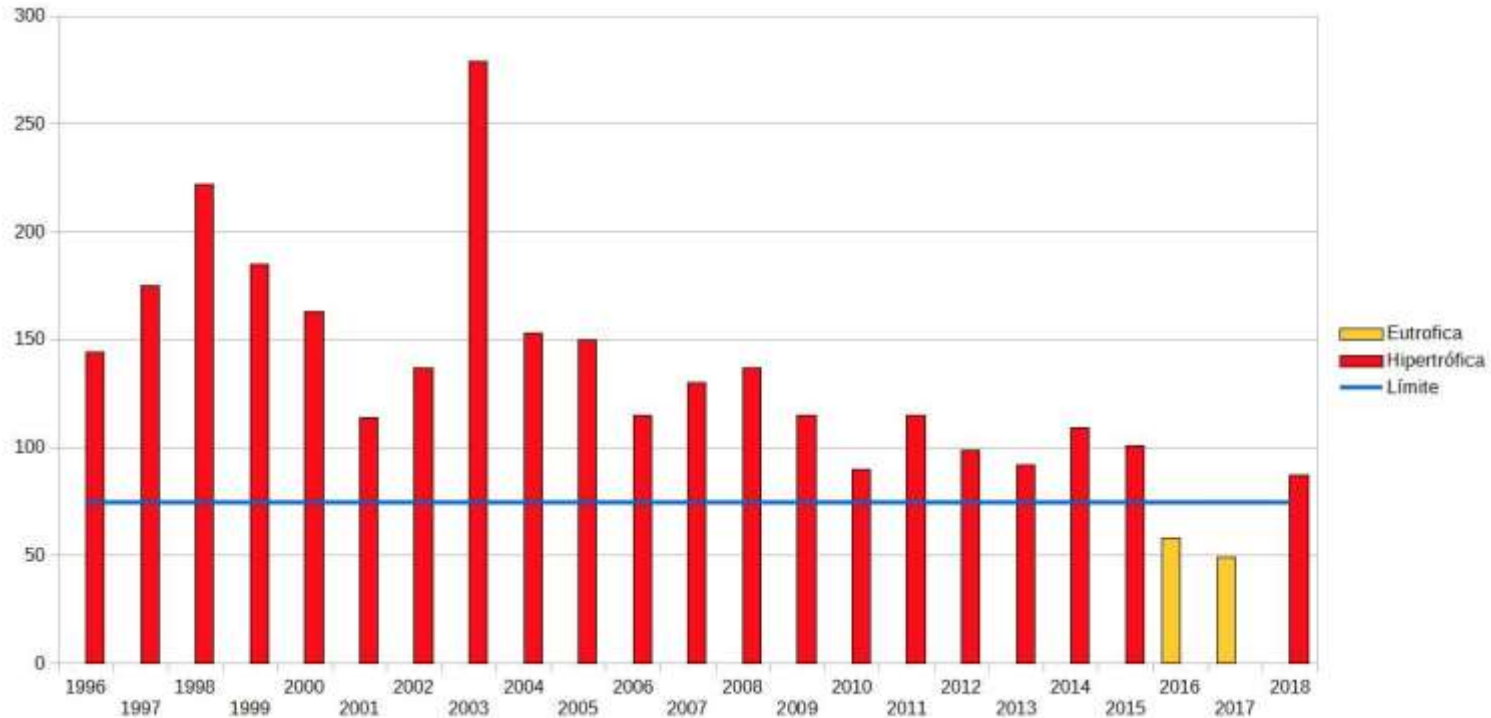
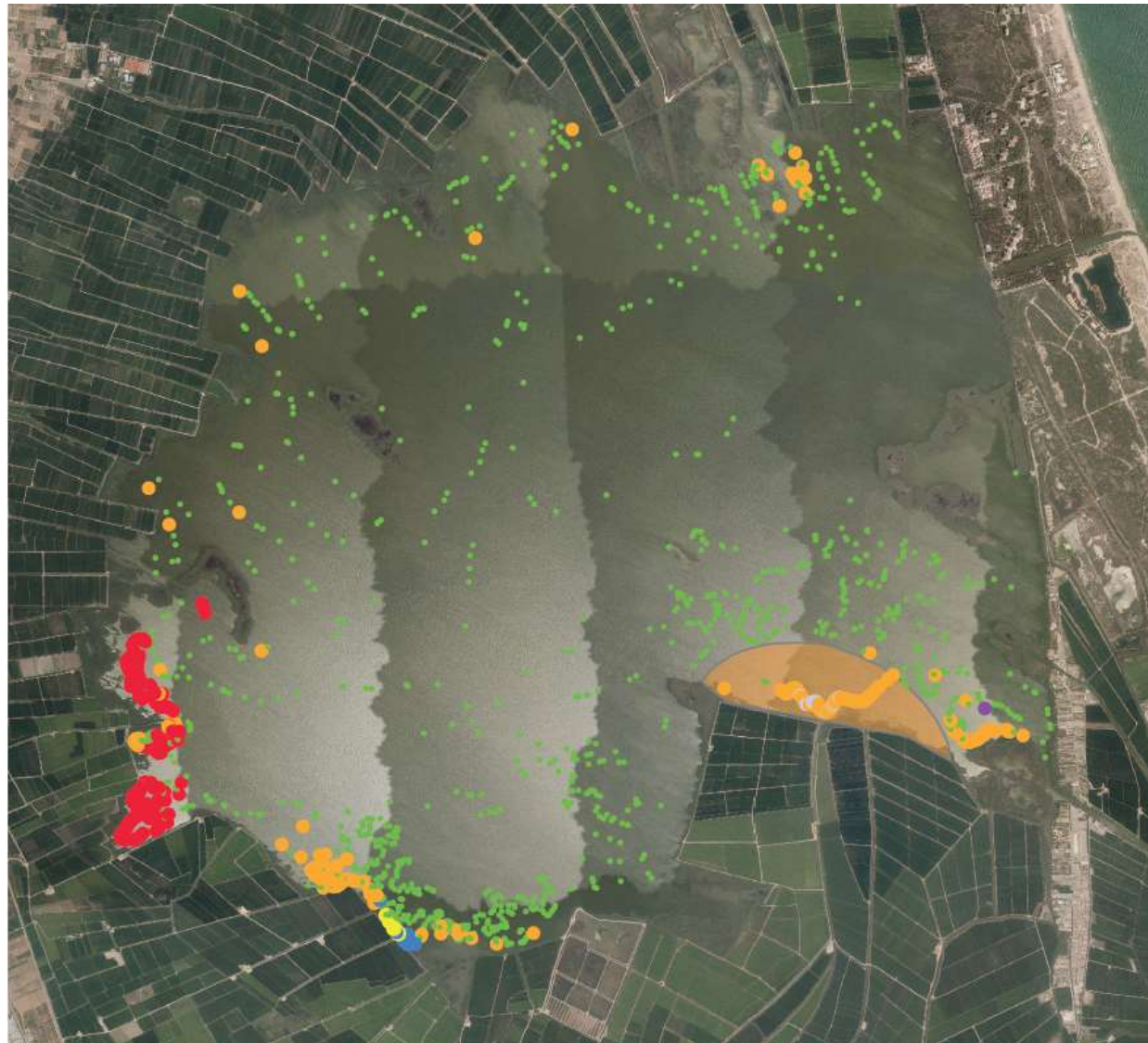


Tabla 1. Clasificación trófica en función de la media anual de clorofila-a. Modificado de OCDE 1982

Categoría trófica	Clorofila -a (µg/l)	
	Media anual	Máxima
Oligotrófico	< 2,5	< 8,0
Mesotrófico	2,5 - 8	8,0 - 25
Eutrófico	25 - 75	25 - 75
Hipertrofico	> 75	> 75



Signs of recovery



MACRÒFITS ALBUFERA PRIMAVERA 2016

- **Ceratophyllum demersum**
- **Myriophyllum spicatum**
- **Najas marina**
- **Potamogeton crispus**
- **Potamogeton nodosus**
- **Potamogeton pectinatus**
- **M. spicatum + P. pectinatus**

■ **ZONA OVERA**





Signs of recovery





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Thank
you!