



# **Alliance for Water Stewardship Assessment Report**

**Prepared for Grupo Hortofrutícola Paloma (Hernández Zamora)**

**(AWS-000446)**

**Prepared by: SGS**

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## REPORT DETAILS

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## 1. EXECUTIVE SUMMARY

The scope of services covers the conformity assessment of water use in compliance with the AWS International Water Stewardship Standard (Version 2.0) for Hernández Zamora, S.A. (hereinafter referred to as “the site”), a company belonging to Grupo Hortofrutícola Paloma, consisting of Fincas Ayala, Susaña, Campico, Gañuelas, Ciñuela, Casanova, Marina, Ramonete and Majada. The head offices and tax address are located in Mazarrón - 30870 (Murcia), in Spain.

The assessment has been completed in compliance with the AWS Certification requirements, Version 2.0 dated March 2019.

The site started operating in 1968 as a producers and sellers of small quantities of tomatoes to the domestic market and today they export several types of tomatoes, seedless grapes, peaches, nectarines and pomegranates to all Europe.

On January, 10<sup>th</sup> and 11<sup>st</sup>, 2022, SGS, Tecnos, S.A.U., (hereinafter referred to as “SGS”) conducted the conformity assessment for site’s facilities and activities regarding certification to the AWS Standard. A total of four findings were raised during the audit process, and they were categorized as 0 minor non-conformance, 0 major non-conformance, 2 observation and 2 improvement opportunity.

Given the review of evidence produced and site visit inspections performed at the HERNÁNDEZ ZAMORA (GRUPO PALOMA), SGS recommends that HERNÁNDEZ ZAMORA (GRUPO PALOMA), is awarded AWS Core Certified status with a surveillance audit interval of annual frequency.

## 2. SCOPE OF ASSESSMENT

The scope of services covers the conformity assessment of water use in compliance with the AWS International Water Stewardship Standard (Version 2.0) for Hernández Zamora, S.A. (hereinafter referred to as “the site”), a company belonging to Grupo Hortofrutícola Paloma.

Hernandez Zamora produces tomato, stone fruit, table grapes and pomegranate. Both the producing farms ( Ayala, Susaña, Campico, Gañuelas, Ciñuela, Casanova, Marina, Ramonete, Majada, Los Rubios and Blanca, this two lasts excluded under the AWS Certification) and the packing centers are located within the geographical area of the Segura Basin.

The company includes the following farms under the AWS Certification: Ayala, Susaña, Campico, Gañuelas, Ciñuela, Casanova, Marina, Ramonete and Majada. The head offices and tax address are located in Mazarrón - 30870 (Murcia), in Spain. Also a packaging warehouse and offices.



**Figure 1.** Location of Hernandez Zamora farms.

The assessment has been completed in compliance with the AWS Certification requirements, Version 2.0 dated March 2019.

On January, 10<sup>th</sup> and 11<sup>st</sup>, 2022, SGS conducted the conformity assessment for site's facilities and activities regarding certification to the AWS Standard. Table 2.1 presents SGS audit team. The audit plan is attached as a separate document.

**Table 1.** SGS Audit Team.

Audit Team	Qualifications/Experience	
Paula Gómez	Team Member	AWS certified auditor, with more than 15 years experience in environmental impact assessment, audit and training.
Jerónimo Casas	Technical Reviewer	AWS certified auditor and Accreditation Manager.



### 3. STAKEHOLDER ANNOUNCEMENT AND CONSULTATION

During the conformity assessment, the audit team spent 0,5 day on the stakeholder consultation meeting, and 1,5 day on the inspection of site's installations and activities at their farms and packing plant, together with personnel interviews and document reviews.

Site provided most of the requested supporting documentation as evidence whilst on site. SGS provided initial feedback on the gaps between site's current management and the level required by the standard during the closing meeting of the conformity assessment January, 10<sup>th</sup> and 11<sup>st</sup>, 2022.

Following the AWS Certification Requirements, before the on-site conformity assessment, site's prepared a stakeholder announcement, which stated intention to pursue AWS certification.

Besides submitting to AWS for publication on the AWS website, the stakeholder announcement was also posted on site's website and in their social media:

<https://www.gpaloma.com/certificacion-aws/>



#### Certificación AWS

POR GPALOMA / 4 DE ENERO DE 2022 / 1

Nos complace comunicar que dentro de nuestra política de gestión sostenible del agua vamos a ir un paso más allá certifiándonos en la norma AWS.

AWS es una organización sin ánimo de lucro comprometida con el fomento de iniciativas de custodia o gestión sostenible del agua a nivel global. El estándar AWS ha sido elaborado a través de un proceso de cuatro años con participación multisectorial, y representa la respuesta a la necesidad global de preservar los recursos hídricos.

El estándar, disponible en <https://a4ws.org/> está desarrollado con objeto de hacer que la implementación del concepto de custodia del agua a nivel de sitio/finca asegure que los desafíos hídricos y las oportunidades compartidas con otros actores sean abordadas para el beneficio de las cuencas hidrográficas en su conjunto.

Aquellos actores que estén interesados por este anuncio, están invitados a dejar sus comentarios a SGS (entidad de evaluación de conformidad seleccionada para auditar este proceso). Pueden ponerse en contacto es la siguiente dirección: [Paula.GomezGeras@sgs.com](mailto:Paula.GomezGeras@sgs.com)

Como proceso de divulgación de la gobernanza interna en los asuntos relacionados con el agua, ponemos a vuestra disposición la información relacionada con el cumplimiento legal y la gobernanza interna en asuntos de agua de Grupo Hortofrutícola Paloma. Si es un actor interesado y necesita más información puede comunicarse con las personas responsables del cumplimiento normativo de la empresa.

En el siguiente enlace pueden consultar toda la información:



**Figure 2.** Information Disclosure posted on site's webpage.

During the conformity assessment, five stakeholders in representation of the companies A. Gomez (export), Freshstrategy (consulting), ProExport (export producers organization), EsAgua (disclosure) and Comunidad de Regantes de Mazarrón, participated to the consultation, are listed below:

**Table 2.** Stakeholder meetings.

<b>Name</b>	<b>Description</b>
A.Gomez	Meeting with A.Gomez in the site. January 2022.
Freshstrategy	Meeting with Freshstrategy in the site. January 2022.
ProExport	Meeting with ProExport in the site. January 2022.
EsAgua	Virtual meeting with EsAgua. January 2022.
Comunidad de Regantes de Mazarrón.	Meeting with Comunidad de Regantes de Mazarrón, in its facilities. January 2022.



## 4. DESCRIPTION OF CATCHMENT

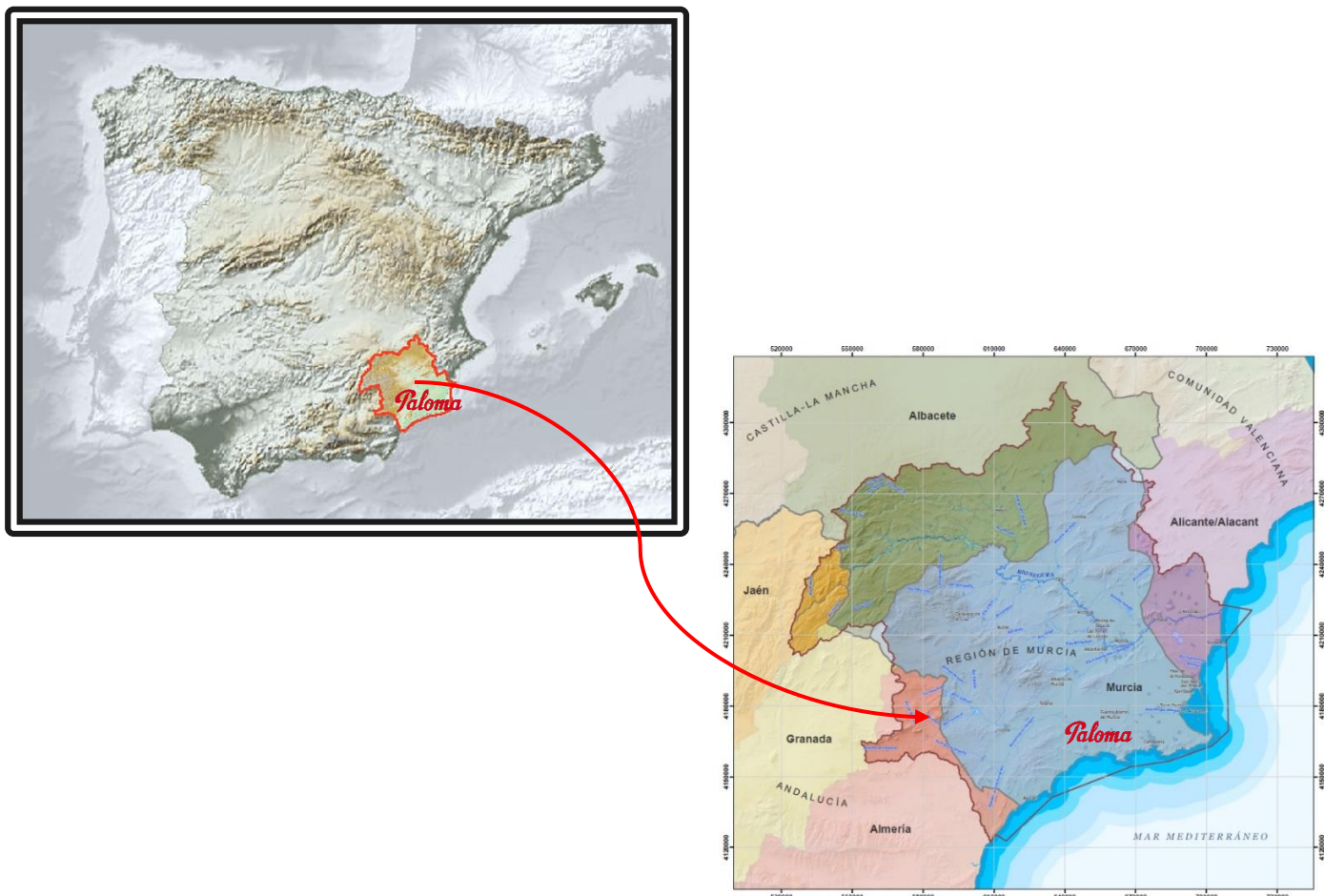
### General Scope.

The Hernández Zamora (Grupo Paloma) factory is located in the Segura Basin, belonging to the Segura Hydrographic Confederation.

The water resources available in the basin consist of its own conventional and non-conventional water resources (natural, reuse, desalination, etc.), as well as external water resources (transfers).

The Segura Hydrographic Confederation includes the region's that flow into the Mediterranean Sea between river Almanzora and Gola del Segura.

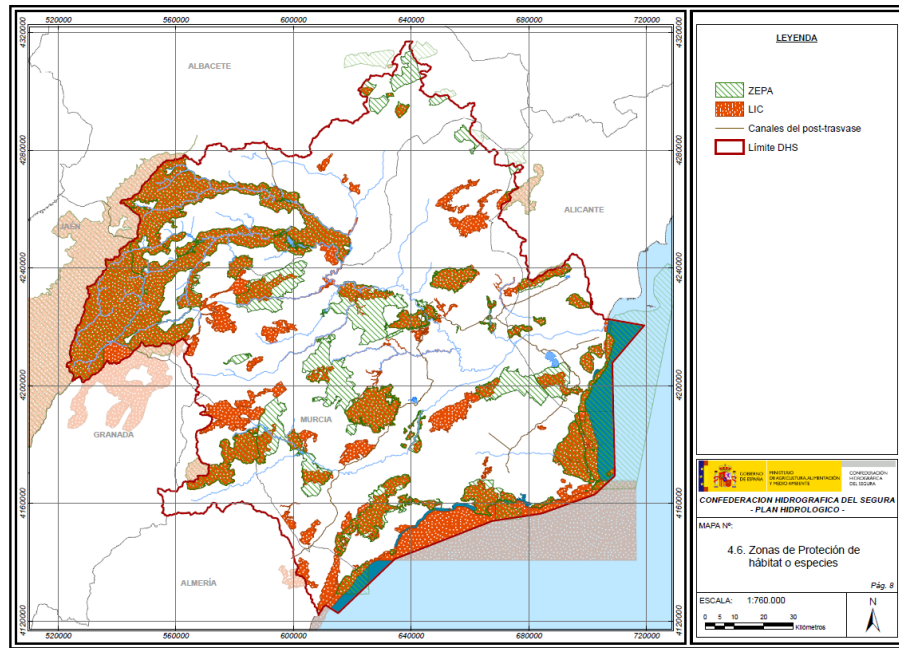
The Segura Hydrographic Basin is located in the southeast of the Iberian Peninsula and extends over an area of approximately 20,234 km<sup>2</sup> (19,025 km<sup>2</sup>, if only the continental part is taken into account, excluding the waters of the Segura). This area includes 132 towns, whose territories are distributed among four Spanish Autonomous Communities; Murcia, Andalucía, Castilla-La Mancha and Comunidad Valenciana.



**Figure 3.** Territorial scope of the Segura Basin.

The Segura Hydrographic Basin is characterized by its Mediterranean Forest and Climate. It has a climatic, orographic and lithological variability that makes the Segura basin present a great diversity of species and habitats.

Moreover, it houses 118 Protected Natural Areas of the Natura 2000 Network, 37 Special Protection Areas for Birds (ZEPA) and 81 Sites of Community Importance (LICs).

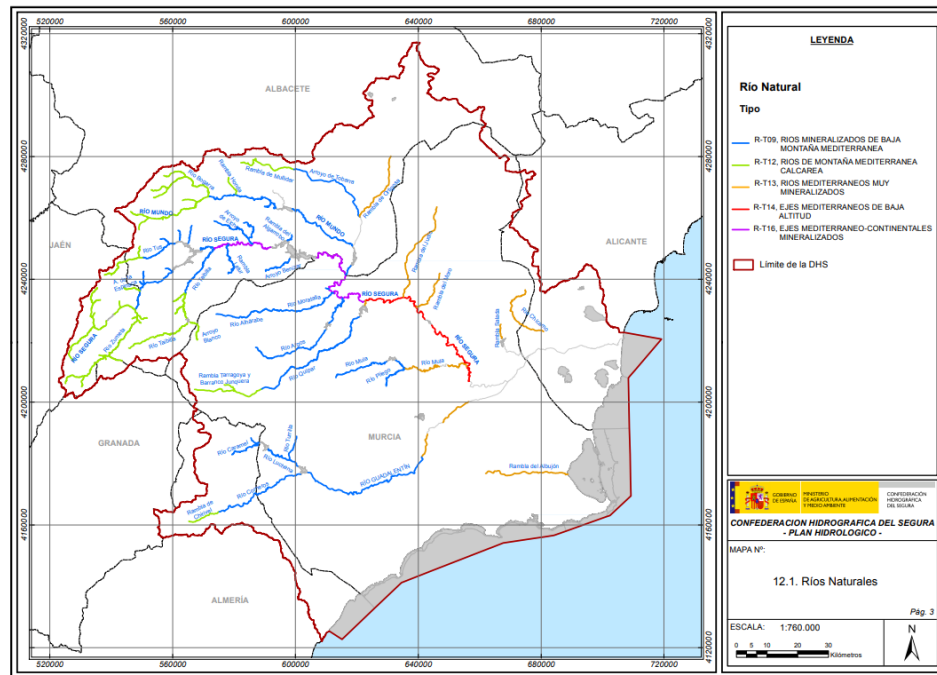


**Figure 4.** LICs and ZEPAS of the Segura Basin.

The territorial scope of the hydrographic demarcation is the Segura Basin. The demarcation limits with the Júcar Basin to the North, Guadalquivir Basin to the West and area of “Cuencas Andaluzas Mediterráneas”. The total surface area of the Segura Basin is approximately 18,870 km<sup>2</sup>.

The total number of rivers present in the Demarcation is 90, with an estimated length of 1.553 km in total. Of these, 69 are natural, with a length of approximately 1,320 km, and 21 are highly modified (6 due to canalization and 15 due to ponds).

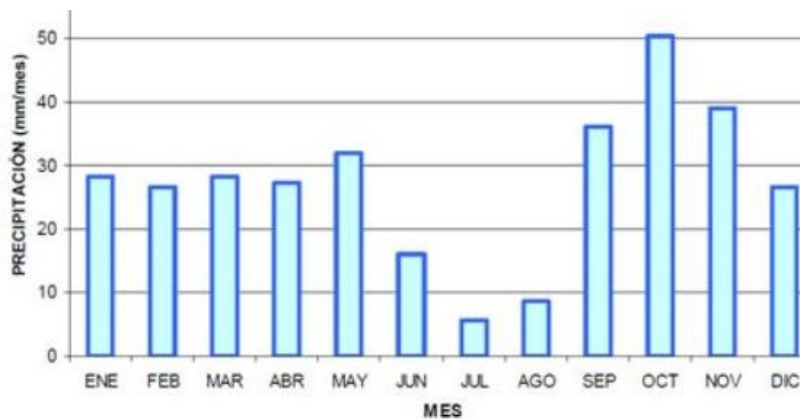
The surface water masses can be classified according to their category or their nature. These masses are grouped depending on the hydraulic infrastructure and water use regulations in management systems that take advantage of natural water resources and, according to their quality, configure the volume of available resources in the basin.



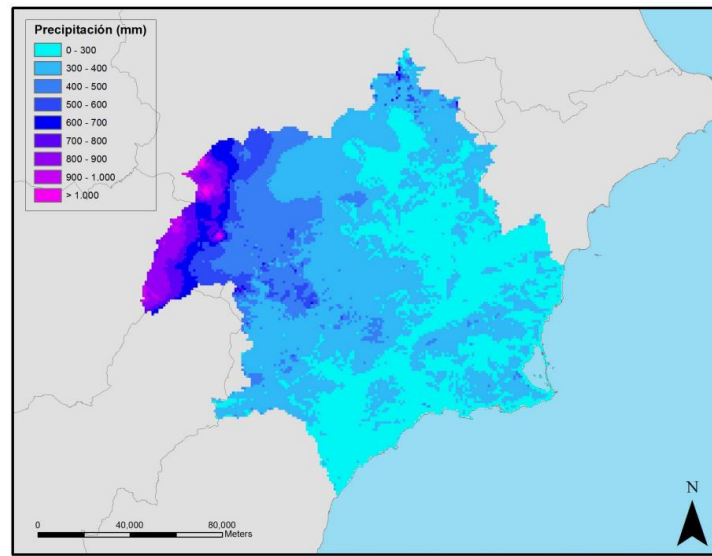
**Figure 5.** Surface masses of the Segura Basin.

Taking part of the Segura Basin are 63 groundwater masses which area represents 15,224 km<sup>2</sup> approximately. Of the overall groundwater masses, 27% are in good conditions and 73% are in bad conditions.

The average annual rainfall in the basin is 382 mm, with large spatiotemporal imbalances, with the rainiest months being in autumn and spring, and the driest in summer.



**Figure 6.** Intra-annual distribution of total annual precipitation (mm/year) in the Segura Basin. Hydrological Plan of the Segura Basin 2009-2015.



**Figure 7.** Spatial distribution of total annual precipitation (mm/year) in the Segura Basin (1980-2006). Hydrological Plan of the Segura Basin 2009-2015.

In the system of supply of the Segura river basin district, the order of preference assigned to the intakes of the demands is as follows:

1. Urban supply.
2. Environmental demands, as a limitation to the system.
3. Traditional irrigation.
4. Other irrigation.
5. Industrial demand.
6. Irrigation demand for golf courses.

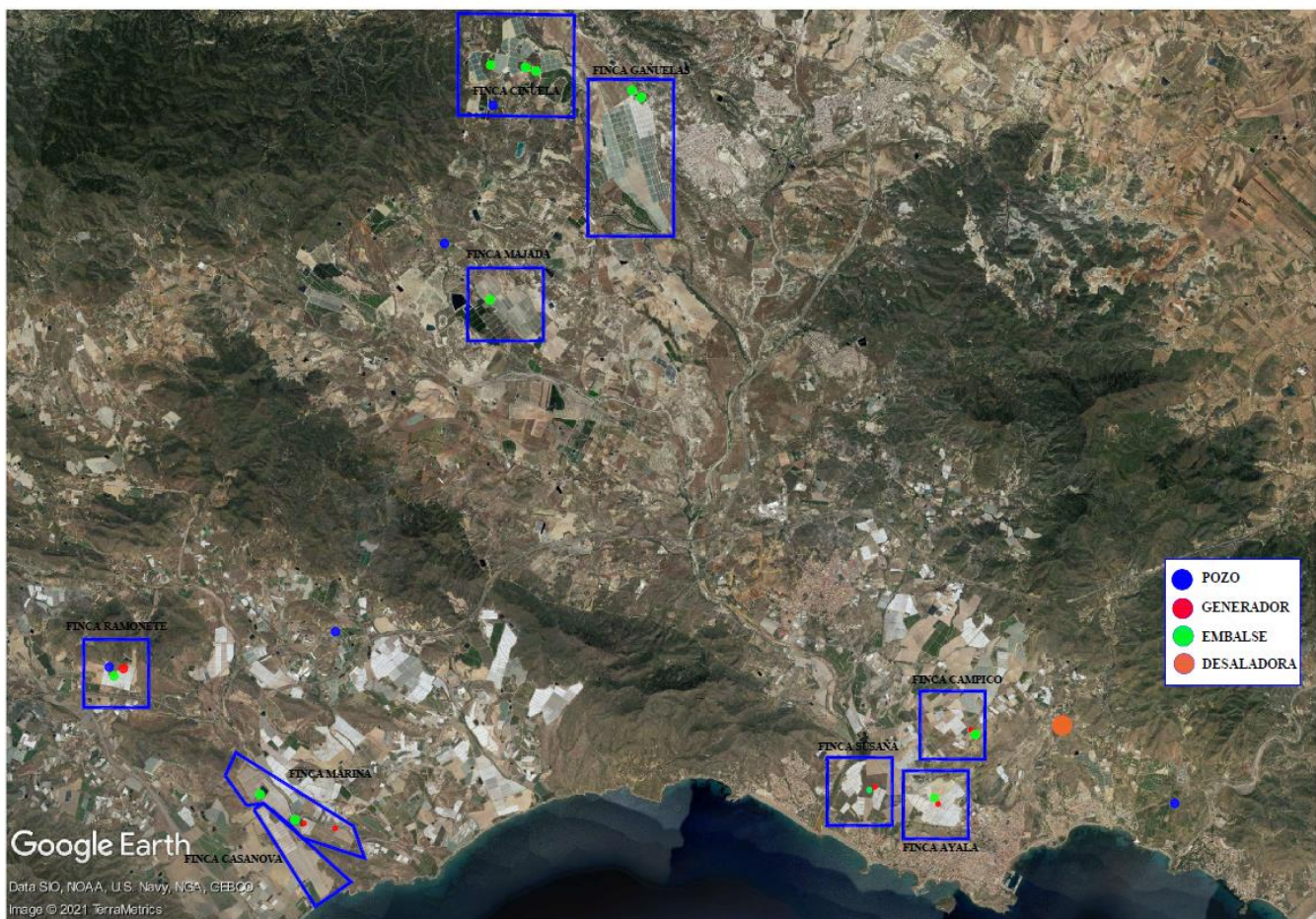
As a result, there is a deficit in the water balance at the site.



## AWS Scope.

Hernández Zamora has nine farms close to the population of Mazarrón, in Murcia. It includes around 500 ha of crops, all of them under the drip irrigation system. 167 ha correspond to the hydroponic irrigation system.

Within the Segura Basin, Hernández Zamora is surrounded by water resources, surface and groundwater. Each parceled area has its own resources. The water wells and ponds that are part of Hernández Zamora, as well as the desalination plant, are mapped below.



HERNANDEZ ZAMORA, S.A. C/ Camino de los Rincones S/N 30.870 MAZARRON (Murcia)	Pozos, Generadores y Embalses	Mazarrón			
		FECHA MAYO 2021	ESCALA	Nº HOJA	Nº PLANO

**Figure 8.** Location of Hernández Zamora's ponds, wells and desalination plant.

In particular, the area of each farm and its situation is shown in the following table:

**Table 3.** Area and coordinates of Hernández Paloma's farms.

FARMS	AREA (Ha)	COORDINATES	
Susaña	31	37°34'19"	1°16'38"
Campico	15,4	37°35'04"	1°16'44"
Ayala	41,5	37°34'19"	1°16'38"
Casanova	48,8	37°31'51"	1°24'16"
Marina	48,6	37°32'01"	1°23'50"
Ramonete	14,8	37°32'46"	1°26'59"
Gañuelas	159	37°39'25"	1°22'59"
Ciñuela	53,9	37°40'04"	1°24'47"
Majada	70,2	37°41'27"	1°27'53"

The site water balance is the equation resulting from external and internal water flows and variations in storage.












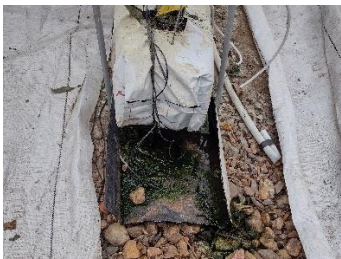
The water balance resources are: Comunidad de Regantes de Mazarrón, five wells, sanitary water, rainwater capture, evapotranspiration losses and losses due to breakage.

Hernandez Zamora has ponds with a storage capacity of 781.740 m<sup>3</sup> that allow it to guarantee the water supply in the months in which the water demand exceeds the supply provided by the available resources.



## 5. SITE PHOTOS

**Table 4.** Photographs taken on Site.

			
Desalination Well Pipes	Desalination Channel	Solar Panels	Ayala's Chemical Storage
			
Ayala's Water Network	Ayala's Toilet	Susaña's Pond	Susaña's Chemical Storage
			
Trutina in hydroponic crops	Trutina in hydroponic crops	Smart Water Point	Water outlet hydroponic crops





Baydiversity in Marina



Marina's Chemical Storage



Marina's Chemical Storage



Pond



Pond Pipes



Ramonete's Pond



Well



Pond



Pond Pipes



Gañuelas Pond



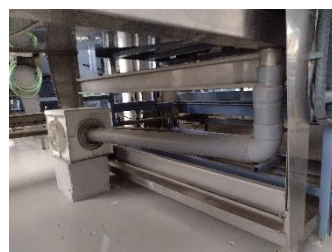
Gañuelas Chemical Storage



Ciñuelas Pond



La Majada Pond



Washer Pipes in Warehouse



Washing Machine Warehouse

## 6. SUMMARY OF SHARED WATER CHALLENGES

Hernández Zamora has developed a list of main shared water challenges. Below a list of the identified shared water challenges:




- a) Increase the availability of water in the Catchment.
- b) Improve water quality.
- c) Improve efficiency in water use.
- d) Protection of biodiversity.
- e) Socio-cultural activities.
- f) Extreme weather accidents.
- g) Deterioration of the collection, storage and distribution network.
- h) Loss of biodiversity due to changes in the ecosystem.







A more detailed presentation of shared water challenges identified by Hernández Zamora has been presented in Table 6 below.





Information in the table below has been extracted from reference “PLAN ESTRATÉGICO.xlsx”, provided by Grupo Paloma, S. A.

**Table 5.** Detailed Shared Water Challenges for Hernández Zamora (Grupo Paloma).









### Strategy and Plan - Alliance for Water Stewardship (AWS)

Shared Challenge	Objective	Proposed activities	Outcome AWS to which it relates	stakeholders
Increase water availability in the basin (1)	Water reuse (recirculation) – 10%	Search for suppliers and request for execution tests + economic valuation (budgets)	 EQUILIBRIO HÍDRICO SOSTENIBLE  BUENA GOBERNANZA DEL AGUA  BUENA CALIDAD DEL AGUA	CHS CRM Proexport Esagua
		Study and evaluation of the proposals requested/received		
		Acceptance of one of the evaluated proposals		
		Drafting of execution projects and application for administrative licenses		
		Start of the works and supervision of the same by the staff of GRUPO HORTOFRUTICOLA PALOMA		
		Acceptance of the completion of work		
		Quantification of the amount of recirculated water		
		Evaluation of results		
		Communication of results		

Improve water quality (2)	Protection of wells: Establish a system to measure the state of wells, including depth and water quality, based on which to determine the reduction in maximum authorized extractions	Realization of a situation diagnosis (state of the wells, water quality, depth, ...)	 BUENA GOBERNANZA DEL AGUA	CHS CRM Proexport Esagua
		Preparation of a mitigation plan for the risks detected	 BUENA GOBERNANZA DEL AGUA	
		Implementation of the measures identified in the plan	 BUENA CALIDAD DEL AGUA	
		Evaluation of results		
		Communication of results		
Improve water use efficiency (3)	Improve water use efficiency (evapotranspiration reduction) – 1 reservoir	Search for suppliers and request for execution tests + economic valuation (budgets)		CHS CRM Proexport Esagua
		Study and evaluation of the proposals requested/received		
		Acceptance of one of the evaluated proposals		
		Drafting of execution projects and application for administrative licenses	 BUENA GOBERNANZA DEL AGUA	
		Start of the works and supervision of the same by the staff of GRUPO HORTOFRUTICOLA PALOMA	 BUENA GOBERNANZA DEL AGUA	
		Acceptance of the completion of work	 BUENA CALIDAD DEL AGUA	
		Quantification of the savings (m3) of evaporated water		
		Evaluation of results		
		Communication of results		

Protection of biodiversity (4)	Conservation Action Plans (Biodiversity). Plantations of native thickets on slopes of reservoirs, flora bands in the delimitations of the farms, information panel at the entrance of the farms	Contact with the company in charge of the search for professionals for the realization of the project	 EQUILIBRIO HÍDRICO SOSTENIBLE   BUENA GOBERNANZA DEL AGUA	Agrosana CRM
		Visit to the farm for the realization of the conservation action plan		
		Review of the project carried out		
		Search for suppliers and request for execution tests + economic valuation (budgets)		
		Acceptance of one of the evaluated proposals		
		Execution of the action plan and supervision of the same by the staff of GRUPO HORTOFRUTICOLA PALOMA		
		Evaluation of results		
		Communication of results		
Socio-cultural activities (5)	Adhesion to esagua network, using this resource for the dissemination of good practices in sustainable water management	Planning of communication strategies of the BEST PRACTICE developed in GRUPO HORTOFRUTICOLA PALOMA	 EQUILIBRIO HÍDRICO SOSTENIBLE   BUENA GOBERNANZA DEL AGUA	ESAGUA Proexport CRM
		Agree with ESAGUA on a joint strategy for the dissemination of the knowledge acquired, generating forums in which to share knowledge on the management and administration of water resources		
		Dissemination of good practices		
		Evaluation of results		



Socio-cultural activities (5)	Participation in Ethical Trade Forums, using this as a resource to disseminate sustainable water management	In collaboration with Lidl and Agomez, the forums in which we will participate and the calendar of events for the period 2021-2024 are selected	 EQUILIBRIO HÍDRICO SOSTENIBLE  BUENA GOBERNANZA DEL AGUA	Lidl Agomez Proexport CRM
		Generation of content on water management and administration to disseminate in the agreed forums		
		Participation in the Sustainability Working Group		
		Frequent meetings with the rest of the participants and work proposals for the next meeting		
		Participation in online and face-to-face seminars		
		Evaluation of results		
Extreme weather accidents (6)	Develop an emergency plan and communication to the bodies and state security forces involved	Study and prior assessment	 EQUILIBRIO HÍDRICO SOSTENIBLE  BUENA GOBERNANZA DEL AGUA  BUENA CALIDAD DEL AGUA	CHS CRM Mazarron City Council
		Editorial staff		
		Plan Validation		
		Commissioning		
		Evaluation of results (annual drills)		
		Communication of results		
Deterioration of the collection, storage and distribution network (7)	Carry out a preventive maintenance plan for wells, heads, reservoirs and distribution network (pipes and drippers)	Realization of a situation diagnosis (scope)	 EQUILIBRIO HÍDRICO SOSTENIBLE  BUENA GOBERNANZA DEL AGUA  BUENA CALIDAD DEL AGUA	CHS CRM Proexport Esagua
		Preparation of a maintenance plan		
		Implementation of the measures identified in the plan		
		Evaluation of results		
		Communication of results		

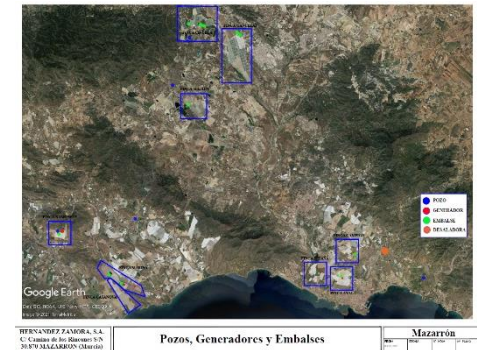
Loss of biodiversity due to ecosystem changes (8)	Creation of a green filter to prevent leachate in the Rambla de las Moreras	Contact with the company in charge of the search for professionals for the realization of the project	 	CHS Mazarrón ICL City Council
		Visit to the farm to find the location of the green filter		
		Review of the project carried out		
		Search for suppliers and request for execution tests + economic valuation (budgets)		
		Acceptance of one of the evaluated proposals		
		Planting and supervision of the green filter and construction of the necessary structures by the staff of GRUPO HORTOFRUTICOLA PALOMA		
		Evaluation of results		
		Communication of results		



Loss of biodiversity due to ecosystem changes (8)	Cleaning of the seabed of Mazarrón	Planning of the participation of GRUPO HORTOFRUTICOLA PALOMA in the "INTERNATIONAL CLEANING OF THE SEABED". Drafting of sponsorship proposal	 	CHS Mazarrón City Council The Truth, 7TV
		Presentation of participation proposal to those responsible for the initiative in Mazarrón (BACHISUB Diving Center) and Mazarrón City Council		
		Implementation of the activities and initiatives included in the participation proposal approved by the interested parties		
		Evaluation of results		
		Communication of results		

## 7. INDICATORS CHECKLIST

Clause	Details	Yes	No	Comments/Evidence
1	<b>GATHER AND UNDERSTAND</b>			
1.1	<i>Gather information to define the site's physical scope for water stewardship purposes, including: its operational boundaries; the water sources from which the site draws; the locations to which the site returns its discharges; and the catchment(s) that the site affect(s) and upon which it is reliant.</i>			
1.1.1 (core)	<p>The physical scope of the site shall be mapped, considering the regulatory landscape and zone of stakeholder interests, including:</p> <ul style="list-style-type: none"> <li>- Site boundaries;</li> <li>- Water-related infrastructure, including piping network, owned, or managed by the site or its parent organization.</li> <li>- Any water sources providing water to the site that are owned or managed by the site or its parent organization.</li> <li>- Water service provider (if applicable) and its ultimate water source.</li> </ul>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The physical scope is described in several documents, as follows:</p> <ul style="list-style-type: none"> <li>REF. 10.PLANO_POZOS_GENERADOR_EMBALSE.pdf: map with the wells, electric generators and ponds of each farm and the Hernández Zamora desalination plant. The water from the desalination plant reaches the different ponds of each farm.</li> </ul> <p>Comunidad de Regantes de Mazarrón (CRM) is the main water supplier (with its own desalination plant).</p> <p>Ramonete farm has a reservoir, fed by the CRM and its own well.</p> <p>La Marina and Casanova farms have a pond, fed by the CRM and its own well.</p> <p>Majada, Gañuela and Ciñuela farms have two wells.</p>



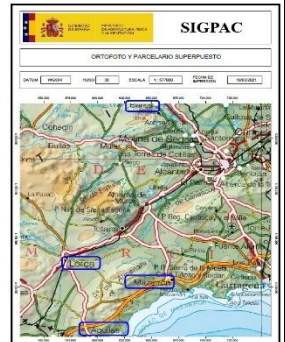
- Discharge points and wastewater service provider (if applicable) and ultimate receiving water body or bodies.

- Catchment(s) that the site affect(s) and is reliant upon for water.

In summary, the source of desalinated water in each farm is as follows:

Ponds	Source of desalinated water
Susaña	Desalination plant HZ + Desalination plant CRM
Campico	Desalination plant HZ + Desalination plant CRM
Ayala	Desalination plant HZ + Desalination plant CRM
Casanova	Desalination plant CRM
Marina	Desalination plant CRM
Ramonete	Desalination plant CRM
Gañuelas	Desalination plant CRM
Ciñuela	Desalination plant CRM
Majada	Desalination plant CRM

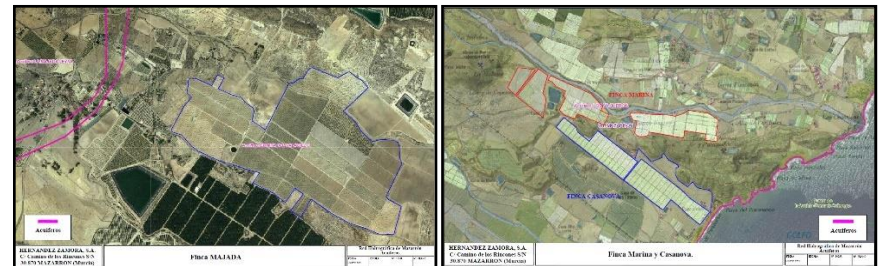
- REF. 01.PLANO\_LOCALIZACION\_FINCAS.pdf: shows the Group's locations. The site is located in Mazarrón.

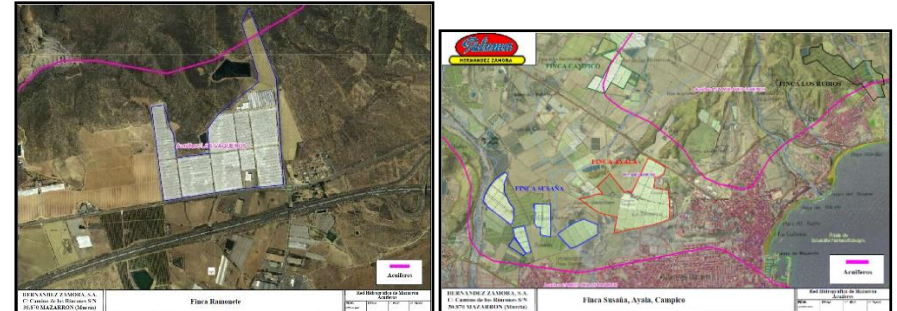


- REF. 02.PLANO\_INFRAESTRUCTURAS.pdf: Map of the Catchment dimension, showing the water treatment infrastructures, desalination and purification plants.

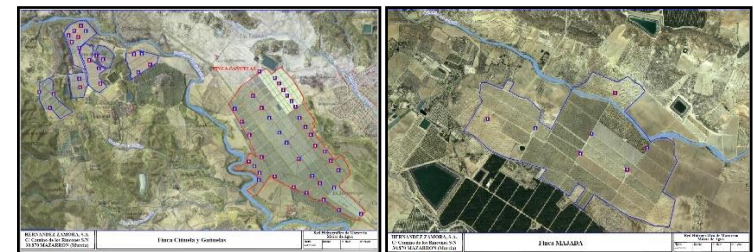


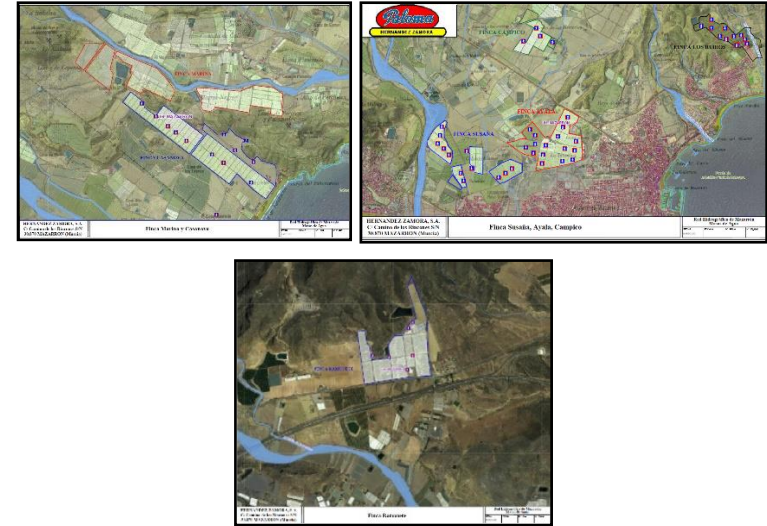
- REF. 03.PLANOS\_ACUIFEROS. pdf: map with the aquifers indicated.





- REF. 04.PLANOS\_CONFEDERACIÓN.pdf: Maps of the Segura River Basin showing the limits of the Catchment, the Agricultural Regions and the Hydraulic Zones.
- REF. 05.PLANOS\_RED\_HIDROGRÁFICA\_MASAS\_AGUA.pdf: Map showing the network of pipes and toilets present in the farms.





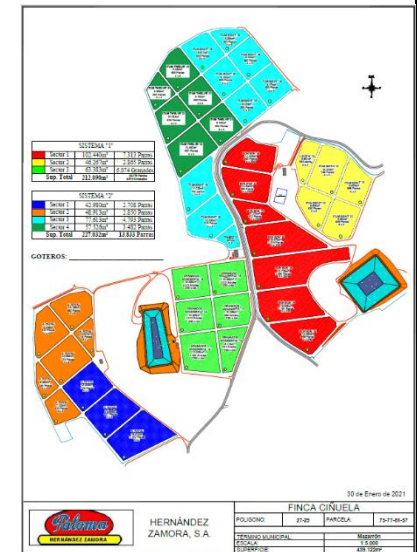
- REF. 06.PLANOS\_SISTEMAS\_DE\_RIEGO.pdf: irrigation systems are mapped, differentiated by sectors, in each of the farms. Ciñuela farm is shown as an example.



Regarding sanitary water: according to municipal ordinance all agricultural production sites within 100 meters of the sewerage network must be connected to the sewerage network. At more than 100 meters, they can discharge into a septic well. In this case, the discharge point would be the same point where the toilet is identified. In Hernández Zamora there are both cases. The septic tank, by municipal ordinance, is not collected.

The drainage system leads to a sewage treatment plant (owned by Aqualia). The only farm that goes to the drainage system is Ayala.

The water from the hydroponic crops, through water collection systems, goes to a network that leads to the ponds. It is a closed circuit.



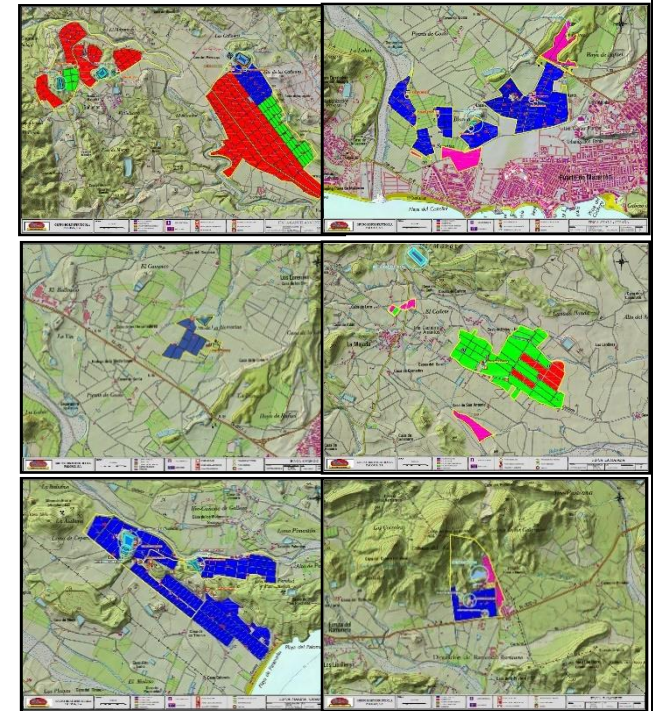


- REF. 08.PLANOS\_FINCAS\_CABEZALES\_EMBALSES\_ASEOS.pdf: detailed ponds. When there are two ponds together, the larger one is used.

When there are two pantoos together, the larger one is used. Supply network to the ponds in plan of Confederación.

#### Farms:

- Gañuelas-Ciñuela: 5 ponds.
- Ayala-Susaña: 2 ponds.
- Campico: 1 pond.
- La Majada: 1 pond.
- Marina-Casanova: 3 ponds.
- Ramonete: 2 ponds.



1.2	<b><i>Understand relevant stakeholders, their water related challenges, and the site's ability to influence beyond its boundaries.</i></b>			
1.2.1 (core)	<p>Stakeholders and their water-related challenges shall be identified. The process used for stakeholder identification shall be identified.</p> <p>This process shall:</p> <ul style="list-style-type: none"> <li>- Inclusively cover all relevant stakeholder groups including vulnerable, women, minority, and Indigenous people.</li> <li>- Consider the physical scope identified, including stakeholders, representative of the site's ultimate water source and ultimate receiving water body or bodies.</li> <li>- Provide evidence of stakeholder consultation on water-related interests and challenges.</li> <li>- Note that the ability and/or willingness of stakeholders to participate may vary across the relevant stakeholder groups.</li> <li>- Identify the degree of stakeholder engagement based on their level of interest and influence.</li> </ul>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Hernández Zamora (Grupo Paloma) has identified 26 key stakeholders. Five have been identified as key stakeholders:</p> <ol style="list-style-type: none"> <li>1. Proexport.</li> <li>2. A. Gomez.</li> <li>3. Comunidad de Regantes de Mazarrón.</li> <li>4. Freshstrategy (Lidl single customer).</li> <li>5. EsAgua.</li> </ol> <p>Hernández Zamora (Grupo Paloma) has developed an influence matrix:</p> <ol style="list-style-type: none"> <li>1. Identifying stakeholders.</li> <li>2. Evaluating the stakeholders and mapping them into 4 zones.</li> <li>3. Identifying how to engage each stakeholder according to their level of interest and influence.</li> </ol> <p>This matrix can be found in 1.2.1.ANÁLISIS STAKEHOLDERS.pdf, together with the data for its creation.</p> <p>Stakeholders have been mapped in 1.2.1.PLANO STAKEHOLDERS.pdf and 1.2.1.PLANO STAKEHOLDERS_2.pdf</p> <p>The most important stakeholders have been informed, evidencing their response in the documents EVIDENCIAS INFORMACION ACTORES IMPLICADOS.pdf and EVIDENCIA RESPUESTA COMITÉ.pdf.</p>

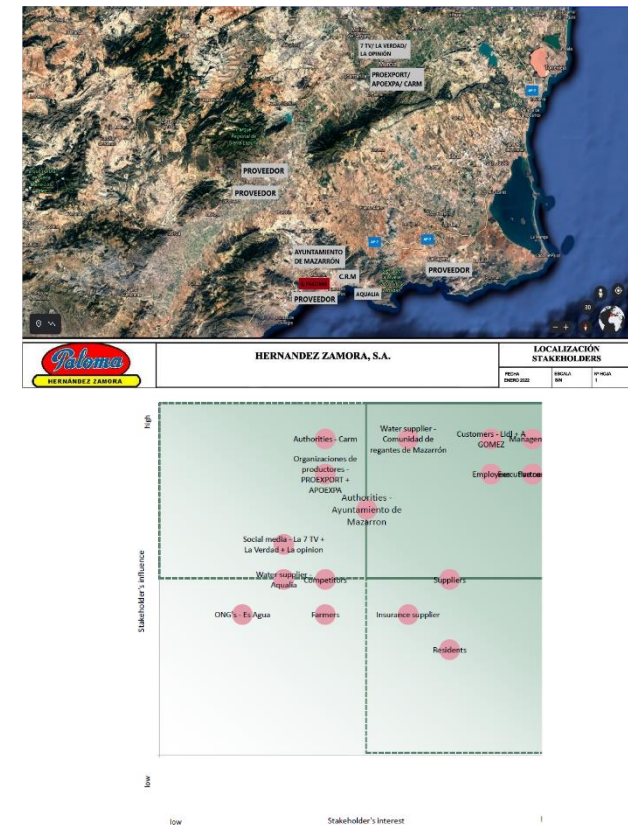
1.2.2 (core)

Current and potential degree of influence between site and stakeholder shall be identified, within the catchment and considering the site's ultimate water source and ultimate receiving water body for wastewater.



Hernández Zamora (Grupo Paloma) has identified and assessed the influence between the site and stakeholders within the Catchment and at the European level.

Stakeholder identification mappings and influence matrix are shown:



1.3	<b>Gather water-related data for the site, including water balance; water quality, Important Water-Related Areas, water governance, WASH; water-related costs, revenues, and shared value creation.</b>			
1.3.1 (core)	Existing water-related incident response plans shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Hernández Zamora (Grupo Paloma) has three procedures about incident response plans. Specifically, for spills, fires and environmental disasters.</p> <ol style="list-style-type: none"> <li>13. IT01_Plan.emergencia_Derrames_REV.PREV_2021.pdf</li> <li>14. IT02_Plan.emergencia_Incendio_REV.PREV_2021.pdf</li> <li>29.PR205_ED01_EMERGENCIAS_MA_NO.CONTROLADA.pdf</li> </ol> <p>Until this date, Hernández Zamora (Grupo Paloma) there have been no water-related incidents at the farms, warehouse or offices.</p> <p>Moreover, Hernández Zamora (Grupo Paloma) has developed spillage simulation in 2020. 15.SIMULACRO_2020_APQ_MARINA.pdf</p>
1.3.2 (core)	Site water balance, including inflows, losses, storage, and outflows shall be identified and mapped.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Hernández Zamora (Grupo Paloma) has realized a site water balance.</p> <p>The losses, storage, and outflows are described in point 9.2 of the document 24.PR207_DESCRIPCIÓN_CUENCA_Rev_20.12.pdf</p>
1.3.3 (core)	Site water balance, inflows, losses, storage, and outflows, including indication of annual variance in water usage rates, shall be quantified. Where	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Hernández Zamora (Grupo Paloma) has realized a site water balance.</p> <p>24.PR207_DESCRIPCIÓN_CUENCA_Rev_20.12.pdf, it also has a catchment water balance, in point 9.1.</p>

	there is a water-related challenge that would be a threat to good water balance for people or environment, an indication of annual high and low variances shall be quantified.			It should be noted that the summer excesses of water use in grape and pomegranate plantations are compensated by the little water used in tomato farms. Approx. ¼ of annual consumption.
1.3.4 (core)	<p>Water quality of the site's water source(s), provided waters, effluent and receiving water bodies shall be quantified. Where there is a water-related</p> <p>challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal,</p> <p>high and low variances shall be quantified.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Hernández Zamora (Grupo Paloma) realize analysis periodically.</p> <p>An example of these analyses can be found in the following documents:</p> <ul style="list-style-type: none"> <li>- 16.ANÁLISIS_AGUA_AQUALIA.pdf</li> <li>- 17.ANÁLISIS_AGUA_FISCOQUIMICO.pdf</li> <li>- 18.ANÁLISIS_AGUA_MICRO.pdf</li> </ul> <p>Hernández Zamora (Grupo Paloma) regularly makes internal water analyses. Every week, irrigation, drainage and pond water is analyzed. Microbiological and physicochemical analyses are performed, external and internally.</p> <p>- External: performed by Aqualia (no defined frequency) and by Comunidad de Regantes de mazarrón (CRM) (once a year).</p> <p>- Internal:</p> <ul style="list-style-type: none"> <li>• CRM intake, once a year.</li> <li>• Ponds, once a year.</li> <li>• Output of wells, once a year.</li> <li>• Drainage of tomato crops, once a week. Adjustments are made according to the needs of the hydroponic crop.</li> </ul>

				<ul style="list-style-type: none"> <li>• Analysis of the nutrient solution of the tomato crops, every two weeks.</li> <li>• For the rest of the seasonal (ligneous) crops, once a year.</li> </ul> <p>- pH and conductivity are measured on a continuous way, in order to program irrigation according to these parameters.</p> <p>In short, Hernández Zamora (Grupo Paloma) has no water quality problems.</p>
1.3.5 (core)	Potential sources of pollution shall be identified and if applicable, mapped, including chemicals used or stored on site.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Within each farm of Hernández Zamora (Grupo Paloma) there is a potential point of contamination due to the storage of chemical products.</p> <p>It can be seen in 08.PLANOS_FINCAS_CABEZALES_EMBALSES_ASEOS.pdf.</p> <p>The chemicals used are listed in 1.3.5.LISTADO_PRODUCTOS_QUÍMICOS.pdf.</p> <p>In addition, there is a phytosanitary products warehouse on the Ayala farm.</p> <p>Only cleaning products are stored in the Hernández Zamora (Grupo Paloma) warehouse.</p> <p>Hernández Zamora has made a simulation document for the breakage of the chemical storage tank: 15.SIMULACRO_2020_APQ_MARINA.pdf.</p> <p>There is also an emergency plan and rules for actions to be taken in the event of spills or discharges of hazardous products: 13. IT01_Plan.emergencia_Derrames_REV.PREV_2021.pdf</p>
1.3.6 (core)	On-site Important Water-Related Areas shall be identified and mapped, including a description of their status including Indigenous cultural values.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>There are no IWRAs within the Hernandez Zamora farms, but discharges in areas outside the farms may affect them.</p> <p>In 24.PR207_DESCRIPCIÓN_CUENCA_Rev_20.12.pdf, point 7, are described the nearby site IWRAS.</p>

Rambla de las Moreras is located near the Campico, Susaña and Ayala farms.

Rambla de las Moreras flows into the Mediterranean Sea. The upper section of the Rambla receives groundwater discharges that, without reaching the surface, impose a higher degree of humidity that favors the development of typical crypto-wetland vegetation in its bed. Typical halophilic vegetation can be found at its mouth.

It also includes an artificial pond, an old gravel pit, used as a water storage area. This is an important breeding area for many species of aquatic birds, including the internationally endangered white-headed duck *Oxyura leucocephala* and the vulnerable teal *Marmaronetta angustirostris*, which nests in this area.



In addition, this Rambla provides habitat for many different species of fish, amphibians, reptiles, mammals and invertebrates, including endemic and threatened species such as the Iberian Peninsula endemic *Aphanius iberus carpus*.



It is an area of cultural and archeological importance and is being used for small-scale sheep grazing, research, environmental education and some bird watching tourism. Construction of a bird observatory is planned. Threats to the site include erosion and sedimentation, agricultural pollution, and invasive species.





The Ensenada de Mazarrón mollusk protection zone is also close by, with the following species as reference species: Small Cuttlefish (*Chamelea gallina*), Flat Oyster (*Ostrea edulis*) and Japanese Oyster (*Crassostrea gigas*).



1.3.7 Annual water-related costs, revenues, and a description or quantification of the social, cultural, environmental, or economic water-



Hernández Zamora (Grupo Paloma) includes costs related to water management, quality controls, Water Treatment Plant, water taxes, salaries, and local taxes in the document 23. COSTES ANUALES.pdf.

	related value generated by the site shall be identified and used to inform the evaluation of the plan in 4.1.2.			
1.3.8 (core)	Levels of access and adequacy of WASH at the site shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The document 24.PR207_DESCRIPCIÓN_CUENCA_Rev_20.12.pdf, point 7.1.5, explains how HZ supplies the farms with drinking water through cisterns. The water comes from the office area.</p> <p>In the maps 05.PLANOS_RED_HIDROGRÁFICA_MASAS_AGUA.pdf, the toilets are located in each of the farms.</p> <p>WASH is ensured in Spain.</p>
1.4	<b><i>Gather data on the site's indirect water use, including: its primary inputs; the water use embedded in the production of those primary inputs the status of the waters at the origin of the inputs (where they can be identified); and water used in out-sourced water-related services.</i></b>			
1.4.1 (core)	The embedded water use of primary inputs, including quantity, quality, and level of water risk within the site's catchment, shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>See 24.PR207_DESCRIPCIÓN_CUENCA_Rev_20.12.pdf, point 9.3.1.</p> <p>Accounting of inputs. Less than 0.5% of indirect fertilizer water with respect to crop water requirements. Not a significant cost.</p>
1.4.2 (core)	The embedded water use of outsourced services shall be identified, and where those services originate within the site's catchment, quantified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There is no outsourced services identified.

1.5	<b><i>Gather water-related data for the catchment, including water governance, water balance, water quality, Important Water-Related Areas, infrastructure, and WASH</i></b>		
1.5.1. (core)	Water governance initiatives shall be identified, including catchment plan(s), water-related public policies, major publicly-led initiatives under way, and relevant goals to help inform site of possible opportunities for water stewardship collective action.	<input checked="" type="checkbox"/>	<input type="checkbox"/> Hernández Zamora (Grupo Paloma) has developed or has taken part in different initiatives in order to improve and inform about a better water management. Some of them are the following ones: <ul style="list-style-type: none"> <li>Identify and manage the risks derived from climate change in relation to its impact on crops and the agronomic water needs of irrigation, water needs for cooling of thermal and nuclear power plants and other water uses.</li> <li>Consider and include in the planning the impacts derived from climate change on the typologies of surface and groundwater bodies and their reference conditions.</li> <li>Determine the necessary adaptation of water uses compatible with the available resources, once the impacts of climate change have been considered, and with the maintenance of the conditions of good status of the water bodies.</li> <li>Consider the principles of the Water Strategy for Ecological Transition.</li> <li>Include those actions whose express purpose is to improve water security.</li> <li>Include in the planning the impacts derived from the retention of sediments in reservoirs.</li> </ul>
1.5.2. (core)	Applicable water-related legal and regulatory requirements shall be quantified, including legally defined and / or stakeholder verified customary water rights.	<input checked="" type="checkbox"/>	<input type="checkbox"/> Hernández Zamora (Grupo Paloma) has a requirements identification document IDENTIFICACION_REQUISITOS_LEGALES.dic21.pdf, where the status of compliance with applicable regulations is evaluated on a monthly basis.  Also, in the document 19.C.R_Y_POZOS.pdf the licenses for wells are included.26.

1.5.3. The catchment water-balance, and where applicable, scarcity, shall be quantified, including indication of annual, and where appropriate, seasonal, variance.



The catchment water balance is explained in 24.PR207\_DESCRIPCIÓN\_CUENCA\_Rev\_20.12.pdf, point 9.1.

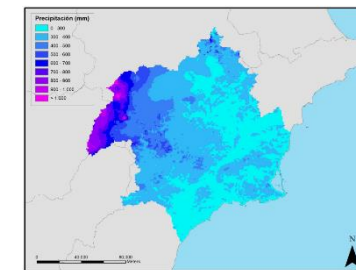
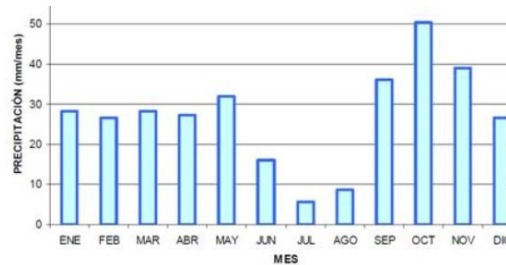
The data summary of this water balance is:

It is a deficit basin, which needs approximately 500 m<sup>3</sup> (30%) from other basins. There is water stress all year round (agricultural demands), seasonally there is no noticeable variation.

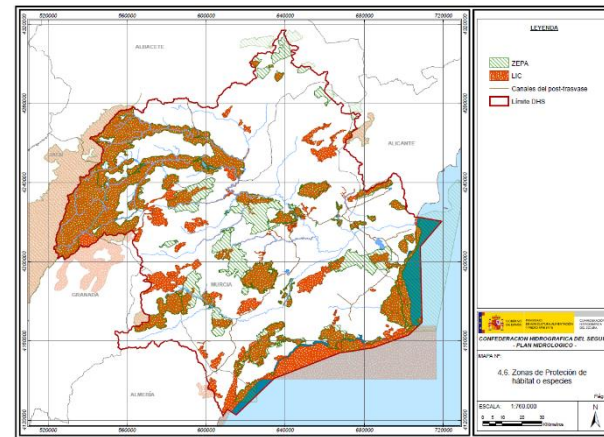
RESOURCES	Average (hm <sup>3</sup> /year)
Natural system contributions to the Segura river	764
Recharge from rainfall in non-draining aquifers to the Segura River	66
Surface resources coastal zone	15
Surface returns (urban and industrial) less discharges to the sea	147
Evaporation from reservoirs	-60
Outflows to the sea	-150
Irrigation returns to the surface and subway system	121
Desalinated resources produced for agricultural use	224
Desalinated resources produced for urban, industrial and services use	81
<b>TOTAL OWN RESOURCES</b>	<b>1.208</b>

CLAIMS (2021)	
Urban	200,9
Agrarian	1.476,3
Industrial	8,5
Golf	11,2
<b>TOTAL CLAIMS</b>	<b>1.696,9</b>

The average annual rainfall in the basin is 382 mm, with large spatiotemporal imbalances, with the rainiest months being in autumn and spring, and the driest in summer.



1.5.4. (core)	Water quality, including physical, chemical, and biological status, of the catchment shall be identified, and where possible, quantified. Where there is a water-related challenge that would be a threat to good water quality status for people or environment, an indication of annual, and where appropriate, seasonal, high, and low variances shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In the document in 24.PR207_DESCRIPCIÓN_CUENCA_Rev_20.12.pdf, point 9.1.2, the risks and potential impacts on water quality in the basin are assessed, aiming at achieving water security for people, for protection of biodiversity and for socio-economic activities.
1.5.5 (core)	Important Water-Related Areas shall be identified, and where appropriate, mapped, and their status assessed including any threats to people other natural environment, using scientific information and through stakeholder engagement.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Hernández Zamora (Grupo Paloma) has developed or has taken part in different initiatives in order to improve and inform about a better water management of IWRAS.</p> <p>In the document in 24.PR207_DESCRIPCIÓN_CUENCA_Rev_20.12.pdf, point 5, catchment IWRAS are described:</p>



MARCH 14, 2022

[ALLIANCE FOR WATER STEWARDSHIP ASSESSMENT REPORT]

Tipo de zona protegida	Normativa UE/ Internacional	Normativa Nacional	Real Decreto	Orden Ministerial
<b>1. Disposiciones generales</b>	DHA Art. 6 y Anexo IV	TRLA Art. 42, 99 bis y Dispo. adic. 11ª	RPH Art. 24, 25	IPH cap. 4
<b>2. Captaciones para abastecimiento</b>	DHA Art. 7 Dir. 75/440 Art. 1, 3 y 4 (derogada por la DHA)	TRLA Art. 99 bis 2a)	RPH Art. 24 2a)	IPH 4.1
<b>3. Futuras captaciones para abastecimiento</b>	DHA Art. 7 (1)	TRLA Art. 99 bis 2b)	RPH Art. 24 2b)	IPH 4.2
<b>4.1. Peces</b>	Dir. 78/659 (derogada por la Dir. 2006/44) Dir. 2006/44 Art. 4 y 5 (versión codificada, deroga la Dir. 78/659)	-	RD 927/1988 Art. 79 y 80 (derogado por el RPH)	IPH 4.3
<b>4.2. Moluscos</b>	Dir. 79/923 (derogada por la Dir. 2006/113) Dir. 91/492 Anexo (parcialm. modif. por la Dir. 97/61) Dir. 2006/113 Art. 4 y 5 (versión codificada, deroga la Dir. 79/923)	-	RD 571/1999 Art. 7 y Anexo Cap. I (deroga el RD 345/1993 que a su vez deroga el RD 38/1989)	
<b>5. Uso recreativo</b>	Dir. 2006/7 Art. 3 (deroga la Dir. 76/160)	-	RD 1341/2007 Art. 4 (deroga el RD 734/1988) RD 1471/1989	IPH 4.4
<b>6. Zonas vulnerables</b>	Dir. 91/676 Art. 3	-	RD 261/1996 Art. 3 y 4	IPH 4.5
<b>7. Zonas sensibles</b>	Dir. 91/271 Art. 5 y Anexo II	RDL 11/1995 Art. 7	RD 509/1996 Anexo II	IPH 4.6
<b>8. Protección de hábitat o especies</b>	Dir. 2009/147/CE Art. 3 y 4 (deroga la Dir. 79/409/CE) (aves) Dir. 92/43 Art. 3 y 4 (hábitat) Dir. 80/777 Anexo II	Ley 42/2007 Art. 42, 43, 44 y Anexo III (deroga la Ley 4/1989)	RD 1997/1995 (modificado por RD 1193/1998 y RD 1421/2006)	IPH 4.7
<b>9. Aguas minerales y termales</b>	Dir. 80/777 Anexo II	Ley 22/1973 Art. 23 y 24		IPH 4.8
<b>10. Reservas naturales fluviales</b>	-	TRLA Art. 42 ap. 1.b.c) (artículo introducido por la Ley 11/2005)	RPH Art. 22	IPH 4.9
<b>11. Zonas de protección especial</b>	-	TRLA Art. 43	RPH Art. 23	IPH 4.10
<b>12. Zonas húmedas</b>	Convención de Ramsar	Instrumento de adhesión de 18.3.1982, Art. 1-3	RD 435/2004 Art. 3 y 4	IPH 4.11

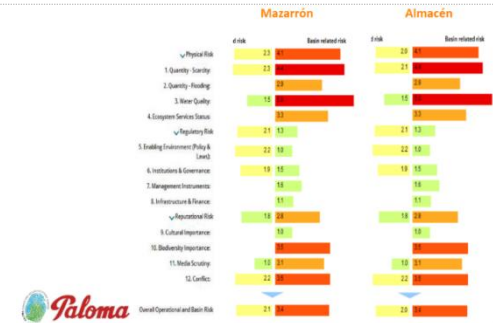
Tipo de Zona protegida	Nº de zonas protegidas	Zonas propuestas	protegidas	Total (declaradas y propuestas)
<b>1. Zonas de captación de agua para abastecimiento</b>				
Superficiales continentales	8	--		8
Subterráneas	104	--		104
Costeras	6	--		6
Total	118	--		118
<b>2. Zonas de futura captación de agua para abastecimiento</b>	1	--		1
<b>3. Zonas de protección de especies acuáticas económicamente significativas</b>				
Producción de moluscos	7	--		7
Interés pesquero	3	--		3
Total	9	--		9
<b>4. Masas de agua de uso recreativo (incluidas aguas de baño)</b>				
Costeras	122	--		122
Total	122	--		122
<b>5. Zonas vulnerables</b>	9	--		9
<b>6. Zonas sensibles</b>				
Total	9	--		9
Continentales	5	--		5
Transición	1	--		1
Costeras	1	--		1
<b>7. Zonas de protección de hábitats o especies</b>				
Total	7	--		7
ZEPAS	37	--		37
LICs	73	--		73
Total	110	--		110
<b>8. Perímetros de protección de aguas minerales y termales</b>				
Total	10	--		10
<b>9. Reservas naturales fluviales</b>				
Total	0	8		8
<b>10. Zonas de protección especial</b>				
Total	0	--		0
<b>11. Zonas húmedas</b>				
Ramsar y/o INZH	9	122		131
Total	9	122		131
<b>Total zonas protegidas (declaradas y/o propuestas)</b>	<b>325</b>	<b>130</b>		<b>535</b>



1.5.6. (core)	Existing and planned water-related infrastructure shall be identified, including condition and potential exposure to extreme events.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The activity in the perimeter control is conditioned to avoid the impact on wells and biodiversity.</p> <p>Currently, they are not aware of any planned infrastructure. They are only aware of the new changes in the flow rates of the desalination plant.</p> <p>The risk analysis associated with irrigation water can be found in the document: 27. PR114_ANALISIS_RIESGOS_AGUA_RIEGO_ed_08_no.controlada_2021.pdf</p>
1.5.7. (core)	The adequacy of available WASH services within the catchment shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	WASH is ensured in Spain.

1.6	<i>Understand current and future shared water challenges in the catchment, by linking the water challenges identified by stakeholders with the site's water challenges.</i>			
1.6.1 (core)	Shared water challenges shall be identified and prioritized from the information gathered.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Document "PLAN ESTRATÉGICO.xlsx" identifies and prioritizes the water challenges from the information gathered.</p> <p>The water challenges identified are:</p> <ol style="list-style-type: none"> <li>1. Increasing water availability in the basin.</li> <li>2. Improve water quality.</li> <li>3. Improve water use efficiency.</li> <li>4. Biodiversity protection.</li> <li>5. Socio-cultural activities.</li> <li>6. Extreme weather events.</li> <li>7. Deterioration of the catchment, storage and distribution network.</li> <li>8. Biodiversity loss due to changes in the ecosystem.</li> </ol> <p><b>1.6.1.OBS.</b> It is recommended to include the stakeholders engaged in each of the shared challenges.</p>
1.6.2. (core)	Initiatives to address shared water challenges shall be identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<ol style="list-style-type: none"> <li>1. Identify and manage the risks derived from climate change in relation to its impact on crops and the agronomic water needs of irrigation, water needs for cooling of thermal and nuclear power plants and other water uses.</li> <li>2. Consider and include in the planning the impacts derived from climate change on the typologies of surface and groundwater bodies and their reference conditions.</li> </ol>

				<ol style="list-style-type: none"> <li>3. Determine the necessary adaptation of water uses compatible with the available resources, once the impacts of climate change have been considered, and with the maintenance of the conditions of good status of the water bodies.</li> <li>4. Consider the principles of the Water Strategy for Ecological Transition.</li> <li>5. Include those actions whose express purpose is to improve water security.</li> <li>6. Include in the planning the impacts derived from the retention of sediments in reservoirs.</li> </ol>
<b>1.7</b>	<b><i>Understand the site's water risks and opportunities: Assess and prioritize the water risks and opportunities affecting the site based upon the status of the site, existing risk management plans and/or the issues and future risk trends identified in 1.6.</i></b>			
1.7.1 (core)	Water risks faced by the site shall be identified, and prioritized, including likelihood and severity of impact within a given timeframe, potential costs, and business impact.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Water risks are identified and prioritized according to their probability and severity obtaining as a result a risk classified as low, medium, high and extreme . Their Current status is evaluated as follow:</p> <p>According to the probability:</p> <p>1 extremely improbable, 2 Improbable, 3 probable, 4 very probable</p> <p>According with the severity:</p> <p>1 low, 2 medium, 3 high, 4 very high</p> <p>In document 5. GOBERNANZA_INTERNA_Y_PLAN_DE_GESTIÓN_DEL_AGUA.pdf risks are identified and prioritized, they are the following ones:</p>



In 27. PR114\_ANALISIS\_RIESGOS\_AGUA\_RIEGO\_ed\_08\_no.controlada\_2021.pdf risks associated with irrigation water are described.



Aspects evaluated in this risk analysis include:




- Legality of water supply
- Origin
- Water quality
- Storage and distribution system
- Sources of contamination
- Influence on the basin of production areas

Through color coding and scoring:

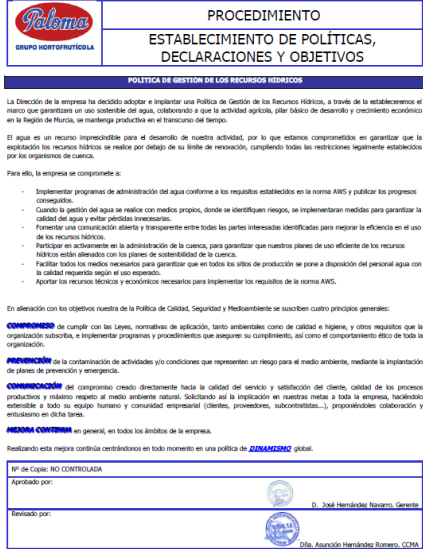
		PROBABILIDAD				
		5	4	3	2	1
GRAVEDAD	5	25	20	15	10	5
	4	20	16	12	8	4
	3	15	12	9	6	3
	2	10	8	6	4	2
	1	5	4	3	2	1

■ Nivel de riesgo alto. Se precisan medidas preventivas para los riesgos detectados para bajar el nivel de riesgo detectado  
■ Nivel de riesgo medio. Se precisan planes de mejora  
■ Nivel de riesgo bajo. No se requiere ninguna acción
























1.7.2 (core)	Water-related opportunities shall be identified, including how the site may participate, assessment and prioritization of potential savings, and business opportunities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In 12.STAKEHOLDER_ANALYSIS.pdf business opportunities are identified.  Prioritization of potential savings is discussed in 27. PR114_ANALISIS_RIESGOS_AGUA_RIEGO_ed_08_no.controlada_2021.pdf.
1.8	<b><i>Understand best practice towards achieving AWS outcomes: Determining sectoral best practices having a local/catchment, regional, or national relevance.</i></b>			
1.8.1. (core)	Relevant catchment best practice for water governance shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Good water governance:</p> <p>The evaluated organization has determined as best practices related to good water governance in the basin:</p> <ul style="list-style-type: none"> <li>- Water footprint and water footprint calculation</li> <li>- Drip irrigation</li> <li>- Hydroponics</li> <li>- Programmed irrigation by demand tray</li> <li>- Drainage analysis</li> <li>- High technology programmers</li> <li>- Humidity and electrical conductivity probes</li> </ul> <p>See PLAN ESTRATÉGICO.xlsx</p> 
1.8.2. (core)	Relevant sector and/or catchment best practice for water balance (either through water efficiency or less total water use) shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Sustainable water balance:</p> <p>The evaluated organization has determined as best practices related to sustainable water balance in the basin:</p> <ul style="list-style-type: none"> <li>- Floating photovoltaic solar panels</li> </ul> 

				<ul style="list-style-type: none"> <li>- Water recirculation</li> </ul> <p>See PLAN_ESTRATÉGICO.xlsx</p>	
1.8.3. (core)	Relevant sector and/or catchment best practice for water quality shall be identified, including rationale for data source.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Good water Quality:</p> <p>The evaluated organization has determined as best practices related to good water quality in the basin:</p> <ul style="list-style-type: none"> <li>- Water desalination</li> <li>- Analysis plans</li> </ul> <p>See PLAN_ESTRATÉGICO.xlsx</p>	
1.8.4. (core)	Relevant catchment best practice for site maintenance of Important Water-Related Areas shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>IWRA:</p> <p>The evaluated organization has determined as best practices related to Important Water-Related Areas in the basin:</p> <ul style="list-style-type: none"> <li>- Green filter in Rambla de las Moreras</li> <li>- Biodiversity</li> <li>- Seabed</li> </ul> <p>See PLAN_ESTRATÉGICO.xlsx</p>	
1.8.5 (core)	Relevant sector and/or catchment best practice for site provision of equitable and adequate WASH services shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>WASH:</p> <p>The evaluated organization has determined as best practices related to WASH in the basin:</p> <ul style="list-style-type: none"> <li>- Guarantee the supply of drinking water</li> <li>- Toilets and canteens on each farm</li> </ul> <p>See PLAN_ESTRATÉGICO.xlsx</p>	













2	COMMIT AND PLAN
2.1	<b>Commit to water stewardship by having the senior-most manager in charge of water at the site, or if necessary, a suitable individual within the organization head office, sign and publicly disclose a commitment to water stewardship, the implementation of the AWS Standard and achieving its five outcomes, and the allocation of required resources.</b>
2.1.1. (core)	<div data-bbox="336 616 862 1286"> <p>A signed and publicly disclosed site statement OR organizational document shall be identified. The statement or document shall include the following commitments:</p> <ul style="list-style-type: none"> <li>- That the site will implement and disclose progress on water stewardship program(s) to achieve improvements in AWS water stewardship outcomes</li> <li>- That the site implementation will be aligned to and in support of existing catchment sustainability plans</li> <li>- That the site's stakeholders will be engaged in an open and transparent way</li> <li>- That the site will allocate resources to implement the Standard.</li> </ul> </div> <div data-bbox="884 616 974 639"> <input checked="" type="checkbox"/> <input type="checkbox"/> </div> <div data-bbox="1019 616 2152 719"> <p>Hernández Zamora (Grupo Paloma) has a water resources management policy (28.ANEXOXII_PR015_ED05_POLÍTICA_GESTION_RECURSOS_HIDRICOS_NO.CONTROLADA.pdf). It has been shared with stakeholders.</p> </div> <div data-bbox="1384 743 1805 1294">  </div>
	<div data-bbox="1384 1374 1805 1398"> <p>Anexo XII PR015 / Ed. 05</p> <p>Fecha de aplicación: 23.06.21</p> <p>Página 1 de 1</p> </div>

<b>2.2.</b>	<b><i>Develop and document a process to achieve and maintain legal and regulatory compliance.</i></b>			
2.2.1. (core)	<p>The system to maintain compliance obligations for water and wastewater management shall be identified, including:</p> <ul style="list-style-type: none"> <li>- Identification of responsible persons/positions within facility organizational structure</li> <li>- Process for submissions to regulatory agencies.</li> </ul>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Facility maintains an organizational structure about the compliance obligations for water and wastewater management, It identifies responsible persons / position within facility organizational structure. See 2.2.1.FICHAS_PUESTOS.pdf.</p> <p>In 20.PR001_ED06_CONTROL_DOCUMENTACION_NO.CONTROLADA.pdf the methodology is established to describe the system and responsibilities established for the review, approval, identification, evaluation, control, distribution, localization and updating of the documents and data of the Quality and Environmental Management System and the legal requirements, as well as the agreed commitments.</p> <p>Legal requirements are found in:</p> <p>26.IDENTIFICACION_REQUISITOS_LEGALES.dic21.pdf</p>
<b>2.3</b>	<b><i>Create a water stewardship strategy and plan including addressing risks (to and from the site), shared catchment water challenges, and opportunities.</i></b>			
2.3.1. (core)	<p>A water stewardship strategy shall be identified that defines the overarching mission, vision, and goals of the organization towards good water stewardship in line with this AWS Standard.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>It was evident that Hernández Zamora (Grupo Paloma) has a strategy with which it wants to ensure compliance with its sustainable water management plan. In addition to its policy of commitment to good water management.</p> <p>It has a total of 25 activities that include the type of management, as well as the interested party to whom it is addressed.</p> <p>Activities such as:</p> <ul style="list-style-type: none"> <li>- Use of water from desalination plants.</li> <li>- Use of drip irrigation systems.</li> </ul>

				<ul style="list-style-type: none"> <li>- Development of hydroponic crops</li> <li>- Programming of irrigation by demand tray in hydroponic crops.</li> <li>- Drainage analysis.</li> <li>- Use of high technology programmers, humidity and electrical conductivity probes (SMART WATER POINT).</li> <li>- Use of floating solar photovoltaic plants.</li> <li>- Calculation of Water Footprint and Water Footprint.</li> <li>- Adhesion to the EsAgua network to contribute to Sustainable Development Goals 6, 12 and 17.</li> </ul> <div>     </div>																							
2.3.2 (core)	<p>A water stewardship plan shall be identified, including for each target:</p> <ul style="list-style-type: none"> <li>- How it will be measured and monitored</li> <li>- Actions to achieve and maintain (or exceed) it</li> <li>- Planned timeframes to achieve it</li> <li>- Financial budgets allocated for actions</li> <li>- Positions of persons responsible for actions and achieving targets</li> </ul>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Document PLAN ESTRATÉGICO.xlsx, includes these items.</p> <div>  <table border="1"> <thead> <tr> <th colspan="5">Strategy and Plan - Alliance for Water Stewardship (AWS)</th> </tr> <tr> <th>Shared Challenge</th> <th>Objective</th> <th>Proposed activities</th> <th>Outcome AWS to which it relates</th> <th>stakeholders</th> </tr> </thead> <tbody> <tr> <td rowspan="9">Increase water availability in the basin (1)</td> <td rowspan="9">Water reuse (recirculation) – 10%</td> <td>Search for suppliers and request for execution tests + economic valuation (budgets)</td> <td rowspan="9">      </td> <td rowspan="9">      </td> </tr> <tr> <td>Study and evaluation of the proposals requested/received</td> </tr> <tr> <td>Acceptance of one of the evaluated proposals</td> </tr> <tr> <td>Drafting of execution projects and application for administrative licenses</td> </tr> <tr> <td>Start of the works and supervision of the same by the staff of GRUPO HORTOFRUTICOLA PALOMA</td> </tr> <tr> <td>Acceptance of the completion of work</td> </tr> <tr> <td>Quantification of the amount of recirculated water</td> </tr> <tr> <td>Evaluation of results</td> </tr> <tr> <td>Communication of results</td> </tr> </tbody> </table> </div>	Strategy and Plan - Alliance for Water Stewardship (AWS)					Shared Challenge	Objective	Proposed activities	Outcome AWS to which it relates	stakeholders	Increase water availability in the basin (1)	Water reuse (recirculation) – 10%	Search for suppliers and request for execution tests + economic valuation (budgets)	  	  	Study and evaluation of the proposals requested/received	Acceptance of one of the evaluated proposals	Drafting of execution projects and application for administrative licenses	Start of the works and supervision of the same by the staff of GRUPO HORTOFRUTICOLA PALOMA	Acceptance of the completion of work	Quantification of the amount of recirculated water	Evaluation of results	Communication of results
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		Communication of results																									

- Where available, note the link between each target and the achievement of best practice to help address shared water challenges and the AWS outcomes.

Improve water quality (2)	Protection of wells: Establish a system to measure the state of wells, including depth and water quality, based on which to determine the reduction in maximum authorized extractions	Realization of a situation diagnosis (state of the wells, water quality, depth, ...) Preparation of a mitigation plan for the risks detected Implementation of the measures identified in the plan Evaluation of results Communication of results	  	CMS CRM Proponent Engage
Improve water use efficiency (3)	Improve water use efficiency (evapotranspiration reduction) – 1 reservoir	Search for suppliers and request for execution tests + economic valuation (budgets) Study and evaluation of the proposals requested/received Acceptance of one of the evaluated proposals Drafting of execution projects and application for administrative licenses Start of the works and supervision of the same by the staff of GRUPO HORTOFRUTICOLA PALOMA Acceptance of the completion of work Quantification of the savings (m3) of evaporated water Evaluation of results Communication of results	  	CMS CRM Proponent Engage
Protection of biodiversity (4)	Conservation Action Plans (Biodiversity). Plantations of native thickets on slopes of reservoirs, flora bands in the delimitations of the farms, information panel at the entrance of the farms	Contact with the company in charge of the search for professionals for the realization of the project Visit to the farm for the realization of the conservation action plan Review of the project carried out Search for suppliers and request for execution tests + economic valuation (budgets) Acceptance of one of the evaluated proposals Execution of the action plan and supervision of the same by the staff of GRUPO HORTOFRUTICOLA PALOMA Evaluation of results Communication of results	 	Agronomo CRM
Socio-cultural activities (5)	Adhesion to esagua network, using this resource for the dissemination of good practices in sustainable water management	Planning of communication strategies of the BEST PRACTICE developed in GRUPO HORTOFRUTICOLA PALOMA Agree with ESAGUA on a joint strategy for the dissemination of the knowledge acquired, generating forums in which to share knowledge on the management and administration of water resources Dissemination of good practices Evaluation of results	 	ESAGUA Proponent CRM

				Socio-cultural activities (5)	Participation in Ethical Trade Forums, using this as a resource to disseminate sustainable water management	In collaboration with Lidí and Agomez, the forums in which we will participate and the calendar of events for the period 2021-2024 are selected. Generation of content on water management and administration to disseminate in the agreed forums  Participation in the Sustainability Working Group  Frequent meetings with the rest of the participants and work proposals for the next meeting  Participation in online and face-to-face seminars  Evaluation of results	EQUILIBRIO HÍDRICO SOSTENIBLE BUENA GOBERNANZA DEL AGUA	LIDÍ Agomez Promopart CMA
				Extreme weather accidents (6)	Develop an emergency plan and communication to the bodies and state security forces involved	Study and prior assessment  Editorial staff Plan Validation Commissioning Evaluation of results (annual drills) Communication of results	EQUILIBRIO HÍDRICO SOSTENIBLE BUENA GOBERNANZA DEL AGUA BUENA CALIDAD DEL AGUA	CMS CSM Mazarrón City Council
				Deterioration of the collection, storage and distribution network (7)	Carry out a preventive maintenance plan for wells, heads, reservoirs and distribution network (pipes and drippers)	Realization of a situation diagnosis (scope) Preparation of a maintenance plan Implementation of the measures identified in the plan Evaluation of results Communication of results	EQUILIBRIO HÍDRICO SOSTENIBLE BUENA GOBERNANZA DEL AGUA BUENA CALIDAD DEL AGUA	CMS CSM Promopart Esqueja
				Loss of biodiversity due to ecosystem changes (8)	Creation of a green filter to prevent leachate in the Rambla de las Moreras	Contact with the company in charge of the search for professionals for the realization of the project  Visit to the farm to find the location of the green filter  Review of the project carried out  Search for suppliers and request for execution tests + economic valuation (budgets)  Acceptance of one of the evaluated proposals  Planting and supervision of the green filter and construction of the necessary structures by the staff of GRUPO HORTOFRUTICOLA PALOMA Evaluation of results Communication of results	ÁREAS IMPORTANTES RELACIONADAS CON EL AGUA BUENA CALIDAD DEL AGUA	CMS Mazarrón CL City Council
				Loss of biodiversity due to ecosystem changes (9)	Cleaning of the seabed of Mazarrón	Planning of the participation of GRUPO HORTOFRUTICOLA PALOMA in the "INTERNATIONAL CLEANING OF THE SEABED". Drafting of sponsorship proposal  Presentation of participation proposal to those responsible for the initiative in Mazarrón (BACHSUB Diving Center) and Mazarrón City Council  Implementation of the activities and initiatives included in the participation proposal approved by the interested parties  Evaluation of results Communication of results	ÁREAS IMPORTANTES RELACIONADAS CON EL AGUA BUENA CALIDAD DEL AGUA	CMS Mazarrón City Council The T-Lab, TTV


<b>2.4.</b>	<b><i>Demonstrate the site's responsiveness and resilience to respond to water risks</i></b>			
2.4.1 (core)	A plan to mitigate or adapt to identified water risks developed in co-ordination with relevant public-sector and infrastructure agencies shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In the Risk Analysis, the corrective action to combat it is found for each strategy. See 27. PR114_ANALISIS_RIESGOS_ AGUA_RIEGO_ed_08_no.controlada_2021.pdf
<b>3</b>	<b>IMPLEMENT</b>			
<b>3.1.</b>	<b><i>Implement plan to participate positively in catchment governance.</i></b>			
3.1.1. (core)	Evidence that the site has supported good catchment governance shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It was possible to show that Hernández Zamora (Grupo Paloma) maintains records that allow verifying the management towards good governance on the site.
3.1.2. (core)	Measures identified to respect the water rights of others including Indigenous peoples, that are not part of 3.2 shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It does not apply.  Measures to respect the water rights are ensured in Spain.
<b>3.2.</b>	<b><i>Implement system to comply with water-related legal and regulatory requirements and respect water rights.</i></b>			
3.2.1. (core)	A process to verify full legal and regulatory compliance shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It was possible to show that Hernández Zamora (Grupo Paloma) has a method that allows it to verify compliance with laws regarding water resources.  - Wells license in document 19.C.R_Y_POZOS.pdf. - Water quality in documents:



				<ul style="list-style-type: none"> <li>○ 16.ANÁLISIS_AGUA_AQUALIA.pdf</li> <li>○ 17.ANÁLISIS_AGUA_FISCOQUIMICO.pdf</li> <li>○ 18.ANÁLISIS_AGUA_MICRO.pdf</li> </ul> <ul style="list-style-type: none"> <li>- Human consumption in document 26.IDENTIFICACION_REQUISITOS_LEGALES.dic21.pdf</li> <li>- Flora and fauna conservation plan in documents: <ul style="list-style-type: none"> <li>○ 24.PR207_DESCRIPCIÓN_CUENCA_Rev_20.12.pdf</li> <li>○ PLAN_ESTRATÉGICO.xlsx</li> </ul> </li> </ul>
3.2.2 (core)	Where water rights are part of legal and regulatory requirements, measures identified to respect the water rights of others including Indigenous peoples, shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Not applicable in Spain, Water Rights are guaranteed by Spanish Law.
<b>3.3.</b>	<b><i>Implement plan to achieve site water balance targets.</i></b>			
3.3.1 (core)	Status of progress towards meeting water balance targets set in the water stewardship plan shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Document PLAN_ESTRATÉGICO.xlsx identify the targets and their progress towards achieving the water stewardship plan.
3.3.2 (core)	Where water scarcity is a shared water challenge, annual targets to improve the site's water use efficiency, or if practical and applicable, reduce volumetric total use shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The main risk in the area where the Hernández Zamora (Grupo Paloma) farms are located is the scarcity of water. For this reason, four of the eight shared challenges identified in water management refer to this problem, the first two being the main ones:</p> <ul style="list-style-type: none"> <li>- Increasing water availability in the basin.</li> <li>- Improve water use efficiency.</li> </ul>

				<ul style="list-style-type: none"> <li>- Socio-cultural activities.</li> <li>- Deterioration of the catchment, storage and distribution network.</li> </ul> <p>All the challenges have associated objectives to achieve them:</p> <ul style="list-style-type: none"> <li>- Water reuse (recirculation) - 10%</li> <li>- Well protection: Establish a system to measure the status of wells, including water depth and quality, based on which to determine the reduction in maximum authorized extractions.</li> <li>- Membership of the ESAGUA network, using these resources to disseminate best practices in sustainable water management.</li> <li>- Participation in the Ethical Trade Forums, using this as a resource to disseminate sustainable water management.</li> <li>- Carry out a preventive maintenance plan for wells, wellheads, ponds and the distribution network (pipes and drippers).</li> </ul> <p>See PLAN ESTRATÉGICO.xlsx</p>
3.3.3. (core)	Legally-binding documentation, if applicable, for the re-allocation of water to social, cultural, or environmental needs shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	In the event of drought, the water used for human consumption has priority over water used for irrigation. There is no obligation to reallocate it.
<b>3.4.</b>	<b><i>Implement plan to achieve site water quality targets.</i></b>			
3.4.1. (core)	Status of progress towards meeting water quality targets set in the water stewardship plan shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Hernández Zamora (Grupo Paloma) has several analysis which guarantee the water quality.</p> <p>In document PLAN ESTRATÉGICO.xlsx is developed the progress meeting water quality targets.</p>

3.4.2. (core)	Where water quality is a shared water challenge, continual improvement to achieve best practice for the site's effluent shall be identified and where applicable, quantified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Adjustment of plant nutrient solutions, without exceeding 1/3 of the LRM, to avoid losses and infiltration into the soil.</p> <p>Phytosanitary products are applied according to the LRM stipulated by the Ministry and fertilization with secondary analysis to readjust nutrient concentrations.</p> <p>Measurements through the Smart Water Point system.</p>
<b>3.5.</b>	<b><i>Implement plan to maintain or improve the site's and/or catchment's Important Water-Related Areas.</i></b>			
3.5.1. (core)	Practices set in the water stewardship plan to maintain and/or enhance the site's Important Water-Related Areas shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The most important Water related area is Rambla de las Moreras.</p> <p>It was reviewed and verified that Hernández Zamora (Grupo Paloma) has implemented some of the short and medium-term activities to manage this area and show the importance of save water. This cooperation is made through:</p> <ul style="list-style-type: none"> <li>- World water day celebration</li> <li>- Environmental activities</li> <li>- Communication.</li> <li>- Plantation of native flora.</li> </ul>

3.6	<b><i>Implement plan to provide access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers at all premises under the site's control.</i></b>			
3.6.1. (core)	Evidence of the site's provision of adequate access to safe drinking water, effective sanitation, and protective hygiene (WASH) for all workers onsite shall be identified and where applicable, quantified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The Hernández Zamora (Grupo Paloma) farms have toilets and public drinking water, except in Campico, where drinking water is provided in water cans.</p> 
3.6.2. (core)	Evidence that the site is not impinging on the human right to safe water and sanitation of communities through their operations, and that traditional access rights for Indigenous and local communities are being respected, and that remedial actions are in place where this is not the case, and that these are effective.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Spanish law guaranteed the water access.

<b>3.7.</b>	<b><i>Implement plan to maintain or improve indirect water use within the catchment.</i></b>			
3.7.1. (core)	Evidence that indirect water use targets set in the water stewardship plan, as applicable, have been met shall be quantified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>It does not reach 0.5% of total water consumption, so it is not considered an indirect use.</p> <p>Despite this, it will be reduced as the target is achieved:</p> <ul style="list-style-type: none"> <li>- Adjustment of the nutrient solution and amount of irrigation in Smart Water Point.</li> </ul>
3.7.2. (core)	Evidence of engagement with suppliers and service providers, as well as, when applicable, actions they have taken in the catchment as a result of the site's engagement related to indirect water use, shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It does not reach 0.5% of total water consumption, so it is not considered an indirect use.
<b>3.8</b>	<b><i>Implement plan to engage with and notify the owners of any shared water-related infrastructure of any concerns the site may have</i></b>			
3.8.1. (core)	Evidence of engagement, and the key messages relayed with confirmation of receipt, shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Through e-mails sent on January 4.</p> <p>See documents EVIDENCIAS_INFORMACION_ACTORES_IMPLICADOS.pdf and EVIDENCIA_RESPUESTA_COMITÉ.pdf</p> <p>Communications of events related to water governance have been made through social networks.</p> <p>See document 5. REGISTRO_DIVULGACIÓN_EN_REDES_SOCIALES.pdf</p>

<b>3.9</b>	<b><i>Implement actions to achieve best practice towards AWS outcomes: continually improve towards achieving sectoral best practice having a local/catchment, regional, or national relevance.</i></b>			
3.9.1. (core)	Actions towards achieving best practice, related to water governance, as applicable, shall be implemented	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Document PLAN_ESTRATÉGICO.xlsx, identifies these actions: <ul style="list-style-type: none"> <li>- Water footprint and water footprint calculation</li> <li>- Drip irrigation</li> <li>- Hydroponics</li> <li>- Programmed irrigation by demand tray</li> <li>- Drainage analysis</li> <li>- High technology programmers</li> <li>- Humidity and electrical conductivity probes</li> </ul>
3.9.2. (core)	Actions towards achieving best practice, related to targets in terms of water balance shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Document PLAN_ESTRATÉGICO.xlsx, identifies these actions: <ul style="list-style-type: none"> <li>- Floating photovoltaic solar panels</li> <li>- Water recirculation</li> </ul>
3.9.3. (core)	Actions towards achieving best practice, related to targets in terms of water quality shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Document PLAN_ESTRATÉGICO.xlsx, identifies these actions: <ul style="list-style-type: none"> <li>- Water desalination</li> <li>- Analysis plans</li> </ul>



3.9.4. (core)	Actions towards achieving best practice, related to targets in terms of the site's maintenance of Important Water-Related Areas shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Document PLAN ESTRATÉGICO.xlsx, identifies these actions: <ul style="list-style-type: none"><li>- Green filter in Rambla de las Moreras</li><li>- Biodiversity</li><li>- Seabed</li></ul>
3.9.5. (core)	Actions towards achieving best practice, related to targets in terms of the site's maintenance of WASH shall be implemented.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Document PLAN ESTRATÉGICO.xlsx, identifies these actions: <ul style="list-style-type: none"><li>- Guarantee the supply of drinking water</li><li>- Toilets and canteens on each farm</li></ul>

4	EVALUATE																																																															
4.1	<b>Evaluate the site's performance in light of its actions and targets from its water stewardship plan and demonstrate its contribution to achieving water stewardship outcomes.</b>																																																															
4.1.1 (core)	Performance against targets in the site's water stewardship plan and the contribution to achieving water stewardship outcomes shall be evaluated	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Performance against targets in the site's water stewardship plan is identified in document 30. <a href="#">REG_ANEXO1_PR018_REVISION_DIRECCION_dic_2021.pdf</a>.</p> <div> <table> <tr> <th>Objetivo/Meta</th><th>Resultado (Valores)</th><th>Finca</th><th>Fecha</th><th>Valoración</th></tr> <tr> <td>Reducción del agua (reciclada) – 10%</td><td>Nº1 y Nº2</td><td>Todas</td><td>Agua reciclada en 2021 (m³): 14.000 m³</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Recogido y reutilización del agua de lluvia – 10 ha</td><td>Nº1 y Nº2</td><td>Marina</td><td>Superficie con sistema de recogida de agua de lluvia a 31.12.20: 7 ha</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Recogido y reutilización del agua de limpieza de floors – 10 ha</td><td>Nº1 y Nº2</td><td>Marina</td><td>Superficie con sistema de recogida de agua de lluvia a 31.12.20: 0 ha</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Mejorar la eficiencia del uso del agua (reducción de evaporación) – 1 unidades</td><td>Nº1 y Nº2</td><td>Marina</td><td>Nº de vertidos con alarmas contra la evaporación a 31.12.20:</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Incremento de rendimiento con la construcción de invernaderos de alta tecnología – 10 ha</td><td>Nº1 y Nº2</td><td>Ayuda</td><td>Superficie de invernaderos de alta tecnología a 31.12.20: 84,5 ha</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Protección de cultivos ante incrementos meteorológicos (heladas, pedregos) – 15 ha</td><td>Nº1 y Nº2</td><td>Todas</td><td>Superficie de cultivos con sistema de protección contra heladas a 31.12.20: 269 ha</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Mejorar la eficiencia en el uso de recursos mediante el uso de TIC (Sapient) – 10%</td><td>Nº1 y Nº2</td><td>Todas Finca</td><td>Superficie cubierta con el sistema Sapient a 31.12.20: 10 ha</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Reducción de pérdidas de agua y nutrientes por percolación (SWAT Water Flow) – 10%</td><td>Nº2</td><td>Todas</td><td>Superficie cubierta con el sistema SWAT a 31.12.20: 237 ha</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Reutilización de agua en abstracción (inversión en un sistema de recuperación del agua de lluvia en post cosecha) – 10%</td><td>Nº1</td><td>Todas</td><td>Consumo de agua en abstracción año 2020: 4.824 m³ Toneladas reutilizadas año 2020: 24.227 ha</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Implementar un sistema de tele lectura para el control del consumo de agua de los contadores – 15 unidades</td><td>Nº1 y Nº2</td><td>Todas</td><td>Unidades de tele lectura para el control de los consumos de agua a 31.12.20: 0 unidades</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> <tr> <td>Uso de una aplicación web para la lectura de caudales de los contadores en tiempo</td><td>Nº1 y Nº2</td><td>Todas</td><td>Unidades de caudales en tiempo real mediante a 31.12.20: 0 unidades</td><td>Sólo para calcular el indicador y medir el objetivo propuesto</td></tr> </table> </div> <p>Also reflect the follow-up in the document <a href="#">PLAN ESTRATÉGICO.xlsx</a>.</p>	Objetivo/Meta	Resultado (Valores)	Finca	Fecha	Valoración	Reducción del agua (reciclada) – 10%	Nº1 y Nº2	Todas	Agua reciclada en 2021 (m³): 14.000 m³	Sólo para calcular el indicador y medir el objetivo propuesto	Recogido y reutilización del agua de lluvia – 10 ha	Nº1 y Nº2	Marina	Superficie con sistema de recogida de agua de lluvia a 31.12.20: 7 ha	Sólo para calcular el indicador y medir el objetivo propuesto	Recogido y reutilización del agua de limpieza de floors – 10 ha	Nº1 y Nº2	Marina	Superficie con sistema de recogida de agua de lluvia a 31.12.20: 0 ha	Sólo para calcular el indicador y medir el objetivo propuesto	Mejorar la eficiencia del uso del agua (reducción de evaporación) – 1 unidades	Nº1 y Nº2	Marina	Nº de vertidos con alarmas contra la evaporación a 31.12.20:	Sólo para calcular el indicador y medir el objetivo propuesto	Incremento de rendimiento con la construcción de invernaderos de alta tecnología – 10 ha	Nº1 y Nº2	Ayuda	Superficie de invernaderos de alta tecnología a 31.12.20: 84,5 ha	Sólo para calcular el indicador y medir el objetivo propuesto	Protección de cultivos ante incrementos meteorológicos (heladas, pedregos) – 15 ha	Nº1 y Nº2	Todas	Superficie de cultivos con sistema de protección contra heladas a 31.12.20: 269 ha	Sólo para calcular el indicador y medir el objetivo 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4.1.2. (core)	Value creation resulting from the water stewardship plan shall be evaluated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Value creation resulting is defined in <a href="#">PLAN ESTRATÉGICO.xlsx</a> , both the environmental, social and economic value.																																																												

4.1.3 (core)	The shared value benefits in the catchment shall be identified and where applicable, quantified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shared value benefits are defined in PLAN ESTRATÉGICO.xlsx.
<b>4.2</b>	<b><i>Evaluate the impacts of water-related emergency incidents (including extreme events), if any occurred, and determine the effectiveness of corrective and preventative measures.</i></b>			
4.2.1. (core)	A written annual review and (where appropriate) root-cause analysis of the year's emergency incident(s) shall be prepared and the site's response to the incident(s) shall be evaluated and proposed preventative and corrective actions and mitigations against future incidents shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There have been no incidents during the period evaluated to the present time.
<b>4.3.</b>	<b><i>Evaluate stakeholders' consultation feedback regarding the site's water stewardship performance, including the effectiveness of the site's engagement process.</i></b>			
4.3.1 (core)	Consultation efforts with stakeholders on the site's water stewardship performance shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Stakeholder consultation efforts on the site's water stewardship performance are reported in emails sent on January 4.  <b>4.3.1.OBS.</b> It is recommended to develop a survey to facilitate the stakeholder engagement and evaluation process.
<b>4.4.</b>	<b><i>Evaluate and update the site's water stewardship plan, incorporating the information obtained from the evaluation process in the context of continual improvement.</i></b>			
4.4.1. (core)	The site's water stewardship plan shall be modified and adapted to incorporate any relevant information	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It will be reviewed on Surveillance audit.

	and lessons learned from the evaluations in this step and these changes shall be identified.			
<b>5</b>	<b>COMMUNICATE &amp; DISCLOSE</b>			
<b>5.1</b>	<b><i>Disclose water-related internal governance of the site's management, including the positions of those accountable for legal compliance with water-related local laws and regulations.</i></b>			
5.1.1. (core)	The site's water-related internal governance, including positions of those accountable for compliance with water-related laws and regulations shall be disclosed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Disclosure of the Management Plan and Water Governance in:</p> <ul style="list-style-type: none"> <li>- Website.</li> <li>- Emails to stakeholders.</li> </ul>
<b>5.2</b>	<b><i>Communicate the water stewardship plan with relevant stakeholders.</i></b>			
5.2.1. (core)	The water stewardship plan, including how the water stewardship plan contributes to AWS Standard outcomes, shall be communicated to relevant stakeholders.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Hernández Zamora (Grupo Paloma) has performed the following actions in order to communicate the water stewardship plan to the relevant stakeholders:</p> <ul style="list-style-type: none"> <li>- Foro de Comercio Ético (December 14<sup>th</sup>).</li> <li>- EsAgua: receive the category of EsAgua Gold.</li> <li>- Newspaper La Verdad: "1 de los 20 murcianos del año".</li> <li>- FyM magazine: target of 50% Water Footprint reduction.</li> <li>- Newspaper Murcia Plaza: category of EsAgua Gold.</li> <li>- Newspaper la Verdad: Water Footprint pioneers.</li> <li>- Merca2 magazine: sustainability article including water.</li> </ul>

				<ul style="list-style-type: none"> <li>- Webinars (SFTT).</li> <li>- FyM symposium: Water Footprint.</li> <li>- Foro de Comercio Ético (December 6<sup>th</sup>).</li> <li>- EsAgua: certifications.</li> <li>- EsAgua: when they joined EsAgua.</li> <li>- ProExport: Water Footprint video in TV7.</li> <li>- Novagric: video (on going).</li> <li>- World Water Day (March 22<sup>nd</sup> 2021).</li> <li>- Fruit Attraction: woman of the year award.</li> <li>- Best practices published in social networks.</li> </ul> <p>See 5. REGISTRO_DIVULGACIÓN_EN_REDES_SOCIALES.pdf</p>
<b>5.3</b>	<b><i>Disclose annual site water stewardship summary, including the relevant information about the site's annual water stewardship performance and results against the site's targets.</i></b>			
5.3.1. (core)	A summary of the site's water stewardship performance, including quantified performance against targets, shall be disclosed annually at a minimum.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It will be reviewed on Surveillance audit.
<b>5.4</b>	<b><i>Disclose efforts to collectively address shared water challenges, including: associated efforts to address the challenges; engagement with stakeholders; and co-ordination with public-sector agencies.</i></b>			

5.4.1. (core)	The site's shared water-related challenges and efforts made to address these challenges shall be disclosed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>The site's shared water-related challenges and efforts made has been disclosed in the followings actions:</p> <ul style="list-style-type: none"> <li>- Foro de Comercio Ético (December 14<sup>th</sup>).</li> <li>- EsAgua: receive the category of EsAgua Gold.</li> <li>- Newspaper La Verdad: "1 de los 20 murcianos del año".</li> <li>- FyM magazine: target of 50% Water Footprint reduction.</li> <li>- Newspaper Murcia Plaza: category of EsAgua Gold.</li> <li>- Newspaper la Verdad: Water Footprint pioneers.</li> <li>- Merca2 magazine: sustainability article including water.</li> <li>- Webinars (SFTT).</li> <li>- FyM symposium: Water Footprint.</li> <li>- Foro de Comercio Ético (December 6<sup>th</sup>).</li> <li>- EsAgua: certifications.</li> <li>- EsAgua: when they joined EsAgua.</li> <li>- ProExport: Water Footprint video in TV7.</li> <li>- Novagric: video (on going).</li> <li>- World Water Day (March 22<sup>nd</sup> 2021).</li> <li>- Fruit Atraction: woman of the year award.</li> <li>- Best practices published in social networks.</li> <li>- Universidad de Cartagena and Universidad Complutense collaboration.</li> <li>- Emails to stakeholders.</li> </ul> <p>See 5. REGISTRO_DIVULGACIÓN_EN_REDES_SOCIALES.pdf</p>
5.4.2. (core)	Efforts made by the site to engage stakeholders and coordinate and support public-sector agencies shall be identified.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

5.5	<b><i>Communicate transparency in water-related compliance: make any site water-related compliance violations available upon request as well as any corrective actions the site has taken to prevent future occurrences.</i></b>			
5.5.1. (core)	Any site water-related compliance violations and associated corrections shall be disclosed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There have been no violations compliance.
5.5.2. (core)	Necessary corrective actions taken by the site to prevent future occurrences shall be disclosed if applicable.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No corrective actions have been necessary to prevent future compliance violations.
5.5.3. (core)	Any site water-related violation that may pose significant risk and threat to human or ecosystem health shall be immediately communicated to relevant public agencies and disclosed.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	It has not happened.



## 8. AUDIT FINDINGS

A findings log was issued to Hernández Zamora (Grupo Paloma) which detailed the findings raised during the audit. As there were a large number of documents supplied to SGS as evidence and each one had to be reviewed, the findings log acted as a live document and was updated periodically until all indicators and documents had been reviewed for compliance. Hernández Zamora (Grupo Paloma) was then afforded time to respond to the findings and supply additional information for SGS to the review and to either accept and close the finding or request further information or action. Once all findings were closed by the Lead Auditor all documentation and audit trail were then reviewed by the Certifier.

### MAJOR NON CONFORMANCES

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No major non conformance were raised during the audit process.

### MINOR NON CONFORMANCES

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No minor non conformance were raised during the audit process.

### OBSERVATIONS

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Two observations was raised during the audit which are only to be considered as improvement opportunities. No action is necessary during this audit period, but these issues would most likely come under scrutiny during a surveillance audit scenario.

**Table 6.** Observations and New Information Requests raised during the AWS audit process.

No.	Type	Ref.	Details
1	Observation	1.6.1.OBS	It is recommended to include the stakeholders engaged in each of the shared challenges.
2	Observation	4.3.1.OBS	It is recommended to develop a survey to facilitate the stakeholder engagement and evaluation process.

## 9. SUMMARY

In reviewing the body of evidence presented by Hernández Zamora (Grupo Paloma) it is apparent that a considerable quantity of effort and work has been put into the preparation for the audit for Alliance for Water Stewardship Certification.

## 10. OPPORTUNITIES FOR IMPROVEMENT

The certification audit for Hernández Zamora (Grupo Paloma) against the AWS Standard is for the initial assessment of conformity and as such allows for some areas for improvement going forward.

As this was the first year assessment focus of the review has been centred on the documented plan and implementation of it to date.

Two improvement opportunities were raised during the audit. No action is necessary during this audit period:

- Promote collaboration with external stakeholders.
- Enhance disclosure of the Strategic Plan and management of the AWS to stakeholders.

## 11. CONCLUSIONS AND RECOMMENDATIONS

Given the review of evidence produced and site visit inspections performed at the Hernández Zamora (Grupo Paloma), SGS recommends that Hernández Zamora (Grupo Paloma), is awarded AWS Certified status with a surveillance audit interval of annual frequency.

## 12. REFERENCES

- 01.PLANO\_LOCALIZACION\_FINCAS.pdf
- 02.PLANO\_INFRAESTRUCTURAS.pdf
- 03.PLANOS\_ACUIFEROS..pdf
- 04.PLANOS\_CONFEDERACIÓN.pdf
- 05.PLANOS\_RED\_HIDROGRÁFICA\_MASAS\_AGUA.pdf
- 06.PLANOS\_SISTEMAS\_DE\_RIEGO.pdf
- 07.PLANOS\_ZONAS\_INUNDABLES.pdf
- 08.PLANOS\_FINCAS\_CABEZALES\_EMBALSES\_ASEOS.pdf
- 09.PLANO\_FINCA\_AYALA\_DETALLE.pdf
- 10.PLANO\_POZOS\_GENERADOR\_EMBALSE.pdf
- 12.STAKEHOLDER\_ANALYSIS.pdf
- 13. IT01\_Plan.emergencia\_Derrames\_REV.PREV\_2021.pdf
- 14. IT02\_Plan.emergencia\_Incendio\_REV.PREV\_2021.pdf
- 15.SIMULACRO\_2020\_APQ\_MARINA.pdf
- 16.ANÁLISIS\_AGUA\_AQUALIA.pdf
- 17.ANÁLISIS\_AGUA\_FISICOQUIMICO.pdf
- 18.ANÁLISIS\_AGUA\_MICRO.pdf
- 19.C.R\_Y\_POZOS.pdf
- 20.PR001\_ED06\_CONTROL\_DOCUMENTACION\_NO.CONTROLADA .pdf
- 21.REGISTRO\_ANEXOI\_PR001\_ED06\_Documentos\_vigor\_Registro\_11.11.2021\_NO .CONTROLADA.pdf
- 23. COSTES ANUALES.pdf
- 24.PR207\_DESCRIPCIÓN\_CUENCA\_Rev\_20.12.pdf

- PLAN\_ESTRATÉGICO.xlsx
- 26. IDENTIFICACION\_REQUISITOS\_LEGALES.dic21.pdf
- 27. PR114\_ANALISIS\_RIESGOS\_ AGUA\_RIEGO\_ed\_08\_no.controlada\_2021.pdf
- 28.ANEXOXII\_PR015\_ED05\_POLÍTICA\_GESTION\_RECURSOS\_HIDRICOS\_NO.CONTROLADA.pdf
- 29.PR205\_ED01\_EMERGENCIAS\_MA\_NO.CONTROLADA.pdf
- 30. REG\_ANEXOI\_PR018\_REVISION\_DIRECCION\_dic\_2021.pdf
- 31. Anexo\_III\_PR018\_ED04\_INFORME\_MENSUAL\_2021.pdf
- 32. PR018\_ED04\_REVISION\_POR\_LA\_DIRECCION.pdf
- 5. GOBERNANZA\_INTERNA\_Y\_PLAN\_DE\_GESTIÓN\_DEL\_AGUA.pdf
- 5. REGISTRO\_DIVULGACIÓN\_EN\_REDES\_SOCIALES.pdf
- EVIDENCIA\_RESPUESTA\_COMITÉ.pdf
- EVIDENCIAS\_INFORMACION\_ACTORES\_IMPLICADOS.pdf
- 2.2.1.FICHAS\_PUESTOS.pdf
- 3.1.IDENTIFICACIÓN\_REQUISITOS\_LEGALES\_DIC21.pdf