

L-INĦAWI TAL-GĦADIRA

MT0000015 (SAC/SPA)

Designation Area: 97.74 ha

ANNEX I HABITATS

- Coastal lagoons (**Habitat 1150***)
- *Salicornia* and other annuals colonising mud and sand (**Habitat 1310**)
- Mediterranean salt meadows (*Juncetalia maritimi*) (**Habitat 1410**)
- Mediterranean and thermo-Atlantic halophilous scrubs (*Sarcocornetea fruticosi*) (**Habitat 1420**)
- *Crucianellion maritimae* fixed beach dunes (**Habitat 2210**)
- Dunes with *Euphorbia terracina* (**Habitat 2220**)
- West Mediterranean clifftop phrygas (*Astragalo-Plantaginetum subulatae*) (**Habitat 5410**)
- Pseudo-steppe with grasses and annuals of the *Thero-Brachypodietea* (**Habitat 6220***)
- Southern riparian galleries and thickets (*Nerio-Tamaricetea* and *Securinegion tinctoriae*) (**Habitat 92D0**)
- Mediterranean pine forests with endemic Mesogean pines (**Habitat 9540**)

ANNEX II SPECIES

- *Anacamptis urvilleana*
- *Aphanius fasciatus*
- *Brachytrupes megacephalus*
- *Myotis punicus*
- *Ophrys melitensis*
- *Rhinolophus hipposideros*
- *Zamenis situla*

BIRDS

A number of regularly breeding birds are recorded at 'L-Inĥawi tal-Għadira'.

Figure 16: Habitat map of 'L-Inħawi tal-Għadira – excluding Habitat 6220*

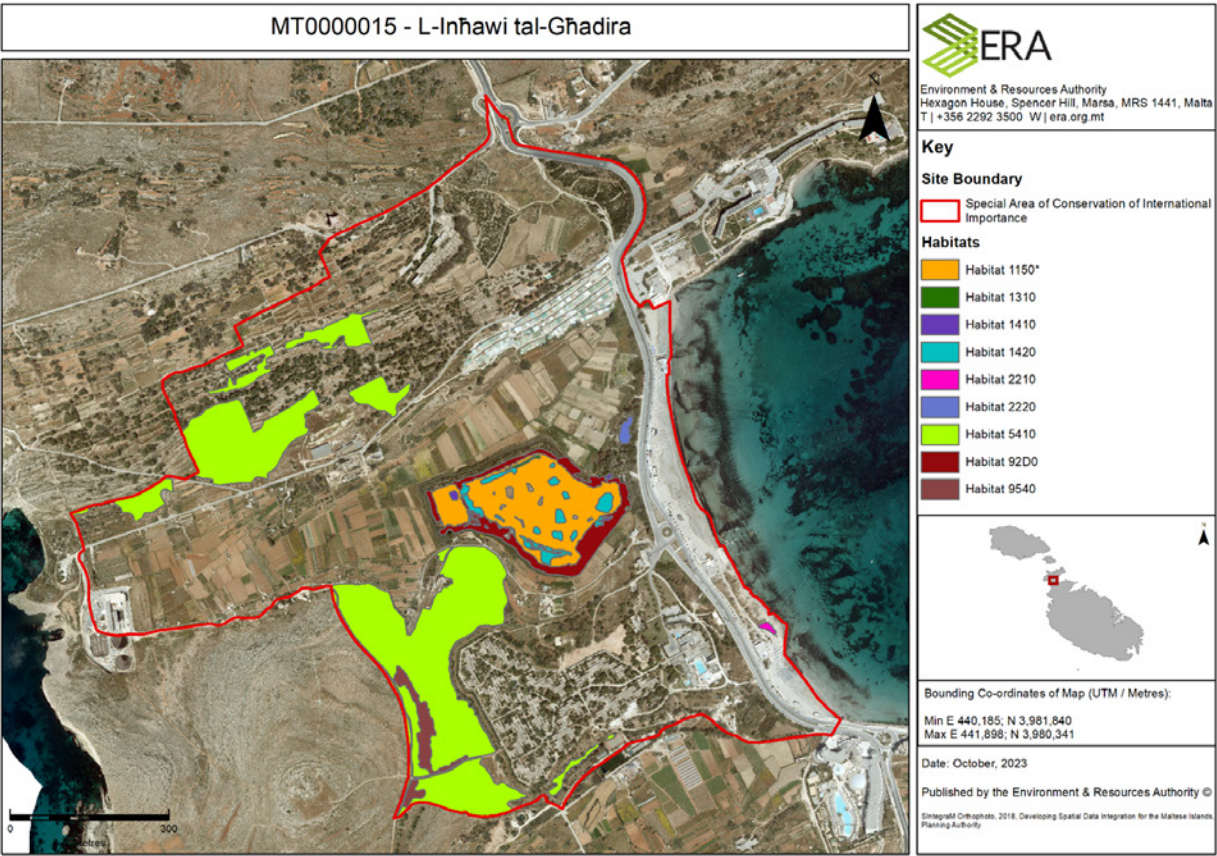


Figure 17: Habitat map of 'L-Inħawi tal-Għadira' – excluding Habitat 5410 & 9540

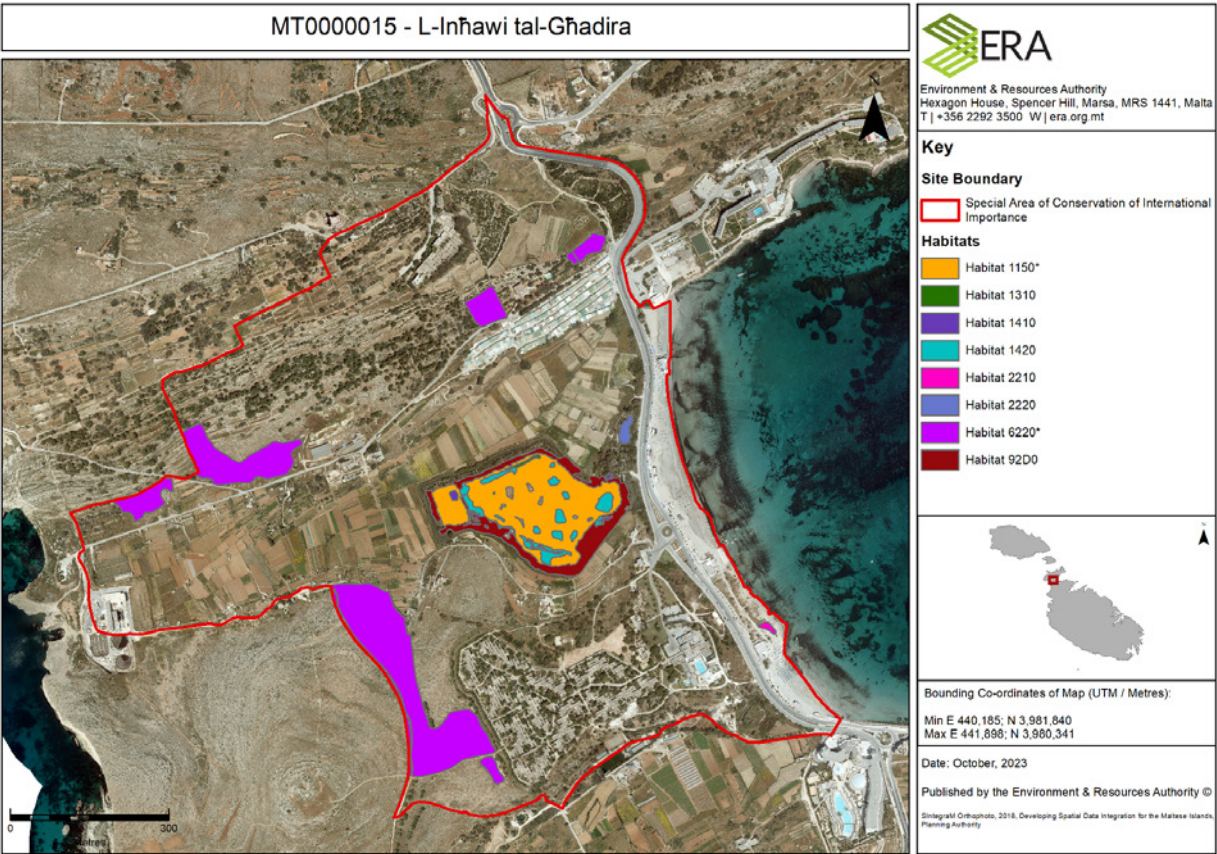
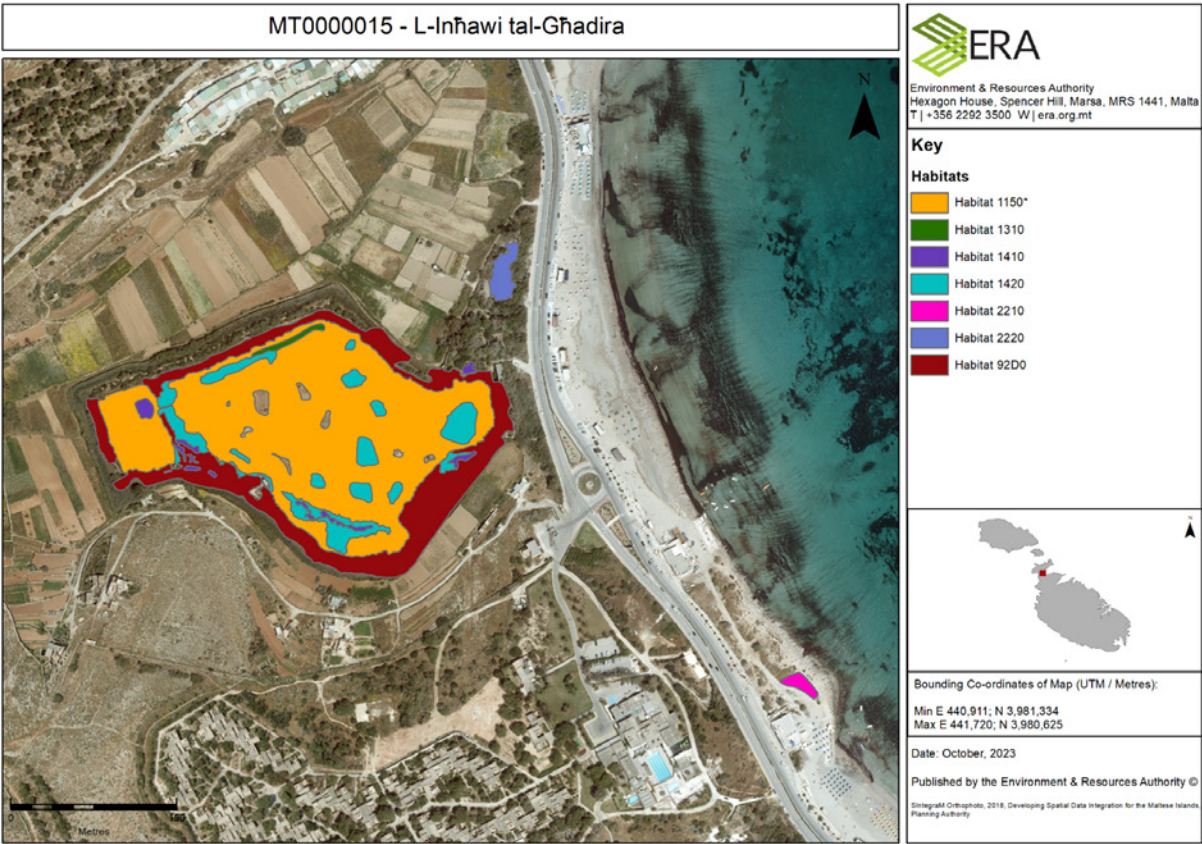


Figure 18: Habitat map of the wetland and sand dune habitats at ‘L-Inħawi tal-Għadira’



HABITAT ASSESSMENT

Table 16: Habitat types of Annex I of Council Directive 92/43/EEC present on site

Habitat Code	Habitat Name	Cover	Data Quality	Site assessment				Pressures relevant to the Natura 2000 site
				Representativity	Relative Surface	Conservation	Global	
1150*	Coastal lagoons	3.3 ha	G	B	A	A	B	PF05 - Sports, tourism and leisure activities
1310	<i>Salicornia</i> and other annuals colonising mud and sand	0.03 ha	G	B	B	A	B	PI01 - Invasive alien species of Union concern
1410	Mediterranean salt meadows (<i>Juncetalia maritimi</i>)	0.08 ha	G	B	B	A	B	PI02 - Other invasive alien species (other than species of Union concern)
1420	Mediterranean and thermo-Atlantic halophilous scrubs (<i>Sarcocornetea fruticosi</i>)	0.5 ha	G	B	A	B	B	PL05 - Modification of hydrological flow
2210	<i>Crucianellion maritimae</i> fixed beach dunes	0.03 ha	G	C	B	C	C	PM07 - Natural processes without direct or indirect influence from human activities or climate change
2220	Dunes with <i>Euphorbia terracina</i>	0.08 ha	G	C	A	C	C	

Habitat Code	Habitat Name	Cover	Data Quality	Site assessment				Pressures relevant to the Natura 2000 site
				Representativity	Relative Surface	Conservation	Global	
5410	West Mediterranean clifftop phryganas (<i>Astragalo-Plantaginietum subulatae</i>)	12.6 ha	G	B	C	B	B	PF05 - Sports, tourism and leisure activities PI01 - Invasive alien species of Union concern
6220*	Pseudo-steppe with grasses and annuals of the <i>Thero-Brachypodietea</i>	5.6 ha	G	A	C	A	A	PI02 - Other invasive alien species (other than species of Union concern)
92D0	Southern riparian galleries and thickets (<i>Nerio-Tamaricetea</i> and <i>Securinegion tinctoriae</i>)	1.3 ha	G	C	B	C	C	PL05 - Modification of hydrological flow PM07 - Natural processes without direct or indirect influence from human activities or climate change
9540	Mediterranean pine forests with endemic Mesogean pines	0.5 ha	G	B	C	C	C	

SPECIES ASSESSMENT

Table 17: Species listed in Annex II of Directive 92/43/EEC present on site

Species Code	Species Name	Population size	Data Quality	Site assessment				Pressures relevant to the Natura 2000 site
				Population	Conservation	Isolation	Global	
1152	<i>Aphanius fasciatus</i>	/	DD	A	B	A	B	PF05 - Sports, tourism and leisure activities
1303	<i>Rhinolophus hipposideros</i>	3 individuals	G	C	C	A	C	PF12 - Residential, commercial and industrial activities and structures generating noise, light, heat or other forms of pollution
4047	<i>Brachytrupes megacephalus</i>	/	DD	C	C	A	C	PI01 - Invasive alien species of Union concern
4102	<i>Anacamptis urvilleana</i>	2 grid cells (1x1 km)	G	C	B	A	C	PI02 - Other invasive alien species (other than species of Union concern)
4105	<i>Ophrys melitensis</i>	2 grid cells (1x1 km)	G	C	B	A	C	PL05 - Modification of hydrological flow
5005	<i>Myotis punicus</i>	1 individual	G	C	C	A	C	PM07 - Natural processes without direct or indirect influence from human activities or climate change
6095	<i>Zamenis situla</i>	/	DD	C	C	A	C	

1150* - COASTAL LAGOONS

The following site-specific conservation objectives and measures shall seek to maintain the conservation status of this habitat type within this site by 2030:

1150* - Coastal lagoons					
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement	
MT15_SSCO_01a	Maintain the extent of Habitat 1150* through the corresponding target	Area covered by the habitat type	Area stable at 3.3 ha	Habitat area (in hectares)	
MT15_SSCO_01b	Maintain the structure and function of Habitat 1150* through the corresponding targets	Hydrological regime: Water flow and water level fluctuations	Water level maintained as a result of a fully-functional sluice and culvert system	Water level	
MT15_SSCO_01c			Land-sea interface connectivity maintained	Water flow	
MT15_SSCO_01d		Species composition: Typical species	The presence of typical species associated with Habitat 1150* within the site is maintained	Species composition	
1150* - Coastal lagoons					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_01a	Operation and maintenance of the sluice and culvert system at the land- sea interface to regulate water levels in the lagoon	Reduce impact of multi- purpose hydrological changes (MK02)	Operation and maintenance of the sluice and culvert system	Ongoing	ERA, AM / NGO
MT15_CM_01b	Cleaning and maintenance of interconnected channels at the land- sea interface to maintain the hydrological regime of the lagoon		Number of yearly interventions	Ongoing	ERA, AM / NGO

The lagoon at 'L-Ghadira' is currently subject to increasing trends in salinity, also as a result of reduced rainfall. Such increasing trends in salinity may potentially affect the flora and fauna associated with Habitat 1150*. An operational objective is being put forward to assess the hydrology of the site and its wider catchment area, identify and implement mitigation measures, including any potential engineering works and/or regular artificial recharges that would enable improved water flows and stabilisation of salinity levels to reach optimal conditions.

Operational Objective	MT15_OO_01_Assess the hydrology of the site and its wider catchment area, to identify and implement mitigation measures, as deemed necessary
Lead/supporting parties	ERA
Timeframe	Long-term

1310 - *SALICORNIA* AND OTHER ANNUALS COLONISING MUD AND SAND

The following site-specific conservation objectives shall seek to maintain the conservation status of this habitat type within this site by 2030:

1310 - <i>Salicornia</i> and other annuals colonising mud and sand				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_02a	Maintain the extent of Habitat 1310 through the corresponding target	Area covered by the habitat type	Area stable at 0.03 ha or increasing through natural regeneration	Habitat area (in hectares)
MT15_SSCO_02b	Maintain the structure and function of Habitat 1310 through the corresponding target	Species composition: Typical species	The presence of typical species associated with Habitat 1310 within the site is maintained	Species composition

1410 - MEDITERRANEAN SALT MEADOWS (*Juncetalia maritimi*)

The following site-specific conservation objectives shall seek to maintain the conservation status of this habitat type within this site by 2030:

1410 - Mediterranean salt meadows (<i>Juncetalia maritimi</i>)				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_03a	Maintain the extent of Habitat 1410 through the corresponding target	Area covered by the habitat type	Area stable at 0.08 ha or increasing through natural regeneration	Habitat area (in hectares)
MT15_SSCO_03b	Maintain the structure and function of Habitat 1410 through the corresponding target	Species composition: Typical species	The presence of typical species associated with Habitat 1410 within the site is maintained	Species composition

1420 - MEDITERRANEAN AND THERMO-ATLANTIC HALOPHILOUS SCRUBS (*Sarcocornetea fruticosi*)

The following site-specific conservation objectives shall seek to maintain the conservation status of this habitat type within this site by 2030:

1420 - Mediterranean and thermo-Atlantic halophilous scrubs (<i>Sarcocornetea fruticosi</i>)				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_04a	Maintain the extent of Habitat 1420 through the corresponding target	Area covered by the habitat type	Area stable at 0.5 ha or increasing through natural regeneration	Habitat area (in hectares)
MT15_SSCO_04b	Maintain the structure and function of Habitat 1420 through the corresponding target	Species composition: Typical species	The presence of typical species associated with Habitat 1420 within the site is maintained	Species composition

2210 - *CRUCIANELLION MARITIMAE* FIXED BEACH DUNES

The following site-specific conservation objectives and measures shall seek to restore the conservation status of this habitat type within this site by 2030:

2210 - <i>Crucianellion maritimae</i> fixed beach dunes				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_05a	Maintain the extent of Habitat 2210 through the corresponding target	Area covered by the habitat type	Area stable at 0.03 ha or increasing through natural regeneration	Habitat area (in hectares)
MT15_SSCO_05b	Improve the structure and function of Habitat 2210 through the corresponding target	Species composition: Typical species	Habitat representativity improved	Species composition
MT15_SSCO_05c	Improve future prospects for Habitat 2210 through the corresponding target	Pressures and threats: Human Disturbance (Trampling)	Trampling within areas supporting Habitat 2210 is non- significant	Area of habitat showing signs of trampling

2210 - <i>Crucianellion maritimae</i> fixed beach dunes					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_05a	Planting of <i>Cyperus capitatus</i> to improve representativity of Habitat 2210	Manage native species (incl. non- Directive species) (MS04)	Number of specimens/ seeds planted, success rate	Short-term	ERA, AM
MT15_CM_05b	Removal of ruderal species, mainly <i>Malva arborea</i> , to improve representativity of Habitat 2210		% area of ruderal species removed	Short-term	ERA, AM
MT15_CM_05c	Installation of cordoning and educational signage to reduce trampling within the area supporting Habitat 2210	Reduce impact of outdoor sports, leisure and recreational activities (incl. restoration of habitats) (MF03)	Cordoning/ Signage installed	Short-term	ERA, AM

2220 - DUNES WITH EUPHORBIA TERRACINA

The following site-specific conservation objectives and measures shall seek to restore the conservation status of this habitat type within this site by 2030:

2220 - Dunes with <i>Euphorbia terracina</i>				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_06a	Increase the extent of Habitat 2220 through the corresponding target	Area covered by the habitat type	50 % increase in the area of Habitat 2220	Habitat area (in hectares)
MT15_SSCO_06b	Improve the structure and function of Habitat 2220 through the corresponding targets	Species composition: Typical species	Habitat representativity improved	Species composition
MT15_SSCO_06c		Species composition: Invasive alien plant species	Area occupied by invasive alien species is non- significant	Area of habitat occupied by invasive alien species
MT15_SSCO_06d	Maintain future prospects for Habitat 2220 through the corresponding target	Pressures and threats: Human Disturbance (Trampling)	Trampling within areas supporting Habitat 2220 is non-significant	Area of habitat showing signs of trampling

2220 - Dunes with <i>Euphorbia terracina</i>					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_06a	Removal of invasive alien species, mainly <i>Acacia saligna</i> , <i>Arundo donax</i> and <i>Eucalyptus</i> sp., from the area surrounding Habitat 2220 to allow for the expansion of the habitat	Management, control or eradication of established invasive alien species of Union concern (MI02) Management, control or eradication of other invasive alien species (MI03)	% area of invasive alien species removed	Long-term	ERA, AM / NGO
MT15_CM_06b	Planting/seeding of <i>Ambrosia maritima</i> , <i>Cyperus capitatus</i> , <i>Echinophora spinosa</i> and <i>Scolymus hispanicus</i> to improve representativity of Habitat 2220	Manage native species (incl. non-Directive species) (MS04)	Number of typical species (species list), number of specimens/ seeds planted, success rate	Short-term	ERA, AM / NGO
MT15_CM_06c	Planting/seeding of typical sand dune species within areas previously occupied by invasive alien species to increase the current surface area occupied by this habitat type		Number of typical species (species list), number of specimens/ seeds planted, success rate	Short-term	ERA, AM / NGO
MT15_CM_06d	Removal of atypical tree species, mainly <i>Olea europea</i> and <i>Pinus halepensis</i> , from the immediate vicinity of Habitat 2220 to allow for the expansion of the habitat		Number of trees removed	Short-term	ERA, AM / NGO
MT15_CM_06e	Installation of non-intrusive educational signage and retention of existing footpath to reduce trampling within areas supporting Habitat 2220	Reduce impact of outdoor sports, leisure and recreational activities (incl. restoration of habitats) (MF03)	Signage installed/ Existing footpath retained	Short-term/ Ongoing	ERA, AM / NGO

The foredunes at Ghadira are currently occupied by invasive alien plant species, mainly *Acacia saligna* and *Arundo donax*. Restoration of this habitat is possible through the removal of these invasive species, followed by planting/seeding of species typical of the foredune, which are representative of Embryonic shifting dunes (Habitat 2110). In view of this, site-specific conservation objectives and measures have been included.

SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_07a	Restore the foredunes by the planting of species typical of Habitat 2110	Species composition: Invasive alien plant species	Invasive alien species cover within areas identified for restoration is non-significant	Percentage cover
MT15_SSCO_07b		Species composition: Typical species	Established populations of flora typical of Habitat 2110 within areas identified for restoration	Species composition
MT15_SSCO_07c		Pressures and threats: Human Disturbance (Trampling)	Trampling within the restored sand dune area is non-significant	Area of habitat showing signs of trampling

Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_07a	Removal of invasive alien species, mainly <i>Acacia saligna</i> and <i>Arundo donax</i> , to restore the sand dune area	Management, control or eradication of established invasive alien species of Union concern (MI02) Management, control or eradication of other invasive alien species (MI03)	% area of invasive alien species removed	Long-term	ERA, AM / NGO

Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_07b	Planting/seeding of <i>Ammophila arenaria</i> , <i>Eryngium maritimum</i> , <i>Elytrigia juncea</i> and <i>Pancratium maritimum</i> in areas previously occupied by invasive alien species to introduce Habitat 2110 within the site	Manage native species (incl. non-Directive species) (MS04)	Number of typical species (species list), number of specimens/ seeds planted, success rate	Long-term	ERA, AM / NGO
MT15_CM_07c	Installation of fencing to limit access and reduce trampling within the restored sand dune area	Reduce impact of outdoor sports, leisure and recreational activities (incl. restoration of habitats) (MF03)	Fencing installed	Long-term	ERA, AM / NGO

5410 - WEST MEDITERRANEAN CLIFFTOP PHRYGANAS (*ASTRAGALO-PLANTAGINETUM SUBULATAE*)

The following site-specific conservation objectives and measures shall seek to restore the conservation status of this habitat type within this site by 2030:

5410 - West Mediterranean clifftop phryganas (<i>Astragalo-Plantaginetum subulatae</i>)				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_08a	Maintain the extent of Habitat 5410 through the corresponding target	Area covered by the habitat type	Area stable at 12.6 ha or increasing through natural regeneration	Habitat area (in hectares)
MT15_SSCO_08b	Improve the structure and function of Habitat 5410 through the corresponding targets	Species composition: Typical species	The presence of typical species associated with Habitat 5410 within the site is maintained	Species composition
MT15_SSCO_08c		Species composition: Invasive alien plant species	Area occupied by Invasive alien species cover does not exceed 5% of the habitat area	Area of habitat occupied by invasive alien species

5410 - West Mediterranean clifftop phrygas (<i>Astragalo-Plantaginetum subulatae</i>)					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_08a	Removal of invasive alien species, mainly <i>Acacia saligna</i> , from areas supporting Habitat 5410, while preventing their introduction	Management, control or eradication of established invasive alien species of Union concern (MI02)	% area of invasive alien species removed	Long-term	ERA, AM

The afforested areas adjacent to Habitat 5410 are impacted by invasive alien plant species. Site- specific conservation objectives and measures were thus included to prevent the spread of such species on areas supporting Habitat 5410.

SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_09a	Removal of invasive alien species from afforested areas adjacent to Habitat 5410	Pressures and threats: Invasive alien plant species	30 % reduction in area occupied by invasive alien species	Area occupied by invasive alien species

Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_09a	Removal of invasive alien species, mainly <i>Acacia saligna</i> and <i>Opuntia ficus-indica</i> , from areas adjacent to Habitat 5410, while preventing their introduction	Management, control or eradication of established invasive alien species of Union concern (MI02) Management, control or eradication of other invasive alien species (MI03)	% area of invasive alien species removed	Long-term	ERA, AM

6220* - PSEUDO-STEPPE WITH GRASSES AND ANNUALS OF THE *THERO-BRACHYPODIETEA*

The following site-specific conservation objectives and measures shall seek to maintain the conservation status of this habitat type within this site by 2030:

6220* - Pseudo-steppe with grasses and annuals of the <i>Thero-Brachypodietea</i>					
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement	
MT15_SSCO_10a	Maintain the extent of Habitat 6220* through the corresponding target	Area covered by the habitat type	Area stable at 6 ha or increasing through natural regeneration	Habitat area (in hectares)	
MT15_SSCO_10b	Improve the structure and function of Habitat 6220* through the corresponding targets	Species composition: Typical species	The presence of typical species associated with Habitat 6220* within the site is maintained	Species composition	
MT15_SSCO_10c		Species composition: Invasive alien plant species	Area occupied by invasive alien species is non-significant	Area of habitat occupied by invasive alien species	
6220* - Pseudo-steppe with grasses and annuals of the <i>Thero-Brachypodietea</i>					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_10a	Removal of invasive alien species, mainly <i>Acacia saligna</i> , from areas supporting Habitat 6220*, while preventing their introduction	Management, control or eradication of established invasive alien species of Union concern (MI02)	% area of invasive alien species removed	Long-term	ERA, AM

92D0 - SOUTHERN RIPARIAN GALLERIES AND THICKETS (*NERIO-TAMARICETEA* AND *SECURINEGION TINCTORIAE*)

The following site-specific conservation objectives and measures shall seek to restore the conservation status of this habitat type within this site by 2030:

92D0 - Southern riparian galleries and thickets (<i>Nerio-Tamaricetea</i> and <i>Securinegion tinctoriae</i>)					
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement	
MT15_SSCO_11a	Maintain the extent of Habitat 92D0 through the corresponding target	Area covered by the habitat type	Area stable at 1.3 ha or increasing through natural regeneration	Habitat area (in hectares)	
MT15_SSCO_11b	Improve the structure and function of Habitat 92D0 through the corresponding targets	Species composition: Typical species	Habitat representativity improved	Species composition	
MT15_SSCO_11c		Species composition: Invasive alien plant species	Area occupied by invasive alien species is non- significant	Area of habitat occupied by invasive alien species	
92D0 - Southern riparian galleries and thickets (<i>Nerio-Tamaricetea</i> and <i>Securinegion tinctoriae</i>)					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_11a	Removal of invasive alien species, mainly <i>Arundo donax</i> , from areas supporting Habitat 92D0, while preventing their introduction	Management, control or eradication of other invasive alien species (MI03)	% area of invasive alien species removed	Long-term	ERA, AM / NGO
MT15_CM_11b	Planting of <i>Vitex agnus-castus</i> to improve representativity of Habitat 92D0	Manage native species (incl. non-Directive species) (MS04)	Number of specimens planted, success rate	Short-term	ERA, AM / NGO

9540 - MEDITERRANEAN PINE FORESTS WITH ENDEMIC MESOGEAN PINES

The following site-specific conservation objectives and measures shall seek to restore the conservation status of this habitat type within this site by 2030:

9540 - Mediterranean pine forests with endemic Mesogean pines					
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement	
MT15_SSCO_12a	Maintain the extent of Habitat 9540 through the corresponding target	Area covered by the habitat type	Area stable at 0.5 ha or increasing through natural regeneration	Habitat area (in hectares)	
MT15_SSCO_12b	Improve the structure and function of Habitat 9540 through the corresponding targets	Species composition: Typical species	The presence of typical species associated with Habitat 9540 within the site is maintained	Species composition	
MT15_SSCO_12c		Species composition: Invasive alien plant species	Area occupied by invasive alien species is non-significant	Area of habitat occupied by invasive alien species	
9540 - Mediterranean pine forests with endemic Mesogean pines					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_12a	Removal of invasive alien species, mainly <i>Acacia saligna</i> , from areas supporting Habitat 9540, while preventing their introduction	Management, control or eradication of established invasive alien species of Union concern (MI02)	% area of invasive alien species removed	Long-term	ERA, AM

ANACAMPTIS URVILLEANA AND OPHRYS MELITENSIS

The following site-specific conservation objectives and measures shall seek to maintain the conservation status of these species within this site by 2030:

Anacamptis urvilleana and Ophrys melitensis					
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement	
MT15_SSCO_13a	Maintain the distribution of Anacamptis urvilleana through the corresponding target	Distribution	No decline in species distribution	Occurrence	
MT15_SSCO_13b	Maintain the distribution of Ophrys melitensis through the corresponding target	Distribution	No decline in species distribution	Occurrence	
MT15_SSCO_13c	Maintain the extent of Habitat 5410 supporting Anacamptis urvilleana and Ophrys melitensis through the corresponding target	Extent of habitat for the species	Area of Habitat 5410 is stable at 12.6 ha or increasing through natural regeneration	Area covered by the species' habitat (in hectares)	
MT15_SSCO_13d	Improve the condition of Habitat 5410 supporting Anacamptis urvilleana and Ophrys melitensis through the corresponding target	Habitat condition	The condition of the Habitat 5410 is suitable for the species	Habitat condition	
Anacamptis urvilleana and Ophrys melitensis					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_13a	Implementation of the conservation measures listed under Habitat 5410 to improve the condition of the habitat supporting Anacamptis urvilleana and Ophrys melitensis	Restoration of habitat of species from the directives (MS03)	Implementation of measures listed for Habitat 5410	Long-term	ERA, AM

APHANIUS FASCIATUS

The following site-specific conservation objectives and measures shall seek to maintain the conservation status of this species within this site by 2030:

<i>Aphanius fasciatus</i>				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_14a	Maintain the extent of Habitat 1150* supporting <i>Aphanius fasciatus</i> through the corresponding target	Extent of habitat for the species	Area of Habitat 1150* is stable at 3.3 ha	Area covered by the species' habitat (in hectares)
MT15_SSCO_14b	Maintain the condition of Habitat 1150* supporting <i>Aphanius fasciatus</i> through the corresponding target	Habitat condition	The condition of Habitat 1150* is suitable to maintain the distribution and population size of the species	Habitat condition

<i>Aphanius fasciatus</i>					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_14a	Continue with the ex-situ conservation of the <i>Aphanius fasciatus</i> present at Ghadira, to preserve its distinct genetic stock	Reinforce populations of species from the directives (MS01)	Number of individuals present in ex- situ	Ongoing	ERA, AM / NGO
MT15_CM_14b	Implementation of the conservation measures listed under Habitat 1150* to maintain the condition of the habitat supporting <i>Aphanius fasciatus</i>	Restoration of habitat of species from the directives (MS03)	Implementation of measures listed for Habitat 1150*	Ongoing	ERA, AM / NGO

The current data available on the population size of *Aphanius fasciatus* within this site is limited. Thus, an operational objective to address this current knowledge gap is being put forward. This would then enable the elaboration of further SSCO's for the species.

Operational Objective	MT15_OO_02_ Undertake a study to improve knowledge on the distribution and population size of <i>Aphanius fasciatus</i> within the site
Lead/supporting parties	ERA
Timeframe	Short-term

BRACHYTRUPES MEGACEPHALUS

The following site-specific conservation objectives and measures shall seek to restore the conservation status of this species within this site by 2030:

<i>Brachytrupes megacephalus</i>				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_15a	Increase the extent of Habitat 2220 supporting <i>Brachytrupes megacephalus</i> through the corresponding target	Extent of habitat for the species	50 % increase in the area of Habitat 2220	Area covered by the species' habitat (in hectares)
MT15_SSCO_15b	Improve the condition of Habitat 2220 supporting <i>Brachytrupes megacephalus</i> through the corresponding target	Habitat condition	The condition of Habitat 2220 is suitable for the species	Habitat condition
MT15_SSCO_15c	Improve future prospects for <i>Brachytrupes megacephalus</i> through the corresponding target	Pressures and threats: Predation	Predation by feral cats is reduced within the wetland area	Feral cat activity

<i>Brachytrupes megacephalus</i>					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_15a	Implementation of the conservation measures listed under Habitat 2220 to improve the condition of the habitat supporting <i>Brachytrupes megacephalus</i>	Restoration of habitat of species from the directives (MS03)	Implementation of measures listed for Habitat 2220	Various	ERA, AM
MT15_CM_15b	Neutering/ relocation of feral cats present within the wetland area	Management, control or eradication of other invasive alien species (MI03)	% decrease in feral cat activity	Ongoing	ERA, AM

The current data available on the population size of *Brachytrupes megacephalus* within this site is limited. Thus, an operational objective to address this current knowledge gap is being put forward. This would then enable the elaboration of further SSCOs for the species.

Operational Objective	MT15_OO_03_ Undertake a study to improve knowledge on the distribution and population size of <i>Brachytrupes megacephalus</i> within the site
Lead/supporting parties	ERA
Timeframe	Short-term

MYOTIS PUNICUS AND RHINOLOPHUS HIPPOSIDEROS

The following site-specific conservation objectives and measures shall seek to restore the conservation status of these species within this site by 2030:

<i>Myotis punicus</i> and <i>Rhinolophus hipposideros</i>				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_16a	Maintain the distribution and population size of <i>Myotis punicus</i> through the corresponding targets	Distribution	No decline in species distribution	Number of roosting sites
MT15_SSCO_16b		Population size	Population size stable or showing positive trends	Number of individuals
MT15_SSCO_16c	Maintain the distribution and population size of <i>Rhinolophus hipposideros</i> through the corresponding targets	Distribution	No decline in species distribution within the roosting sites	Extent of roosting sites occupied by the species (in hectares)
MT15_SSCO_16d		Population size	Population size stable or showing positive trends	Number of individuals
MT15_SSCO_16e	Improve future prospects for <i>Myotis punicus</i> and <i>Rhinolophus hipposideros</i> through the corresponding target	Pressures and threats: Human disturbance (Works or activities)	Works or activities are carried out in full respect of the conservation requirements of the Natura 2000 site and in line with ERA's assessment/permit conditions, as relevant	Level of compliance with ERA's assessment/permit conditions

<i>Myotis punicus</i> and <i>Rhinolophus hipposideros</i>					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_16a	Restoration or maintenance works undertaken on the shelters/tunnels that are used by bats as roosting places, are only undertaken following a survey of the site and according to ERA's conditions	Other measures related to residential, commercial, industrial and recreational infrastructures , operations and activities (MF10)	Restoration/ maintenance projects in line with ERA's proposed conditions	Ongoing	ERA
MT15_CM_16b	Works or activities proposed within the vicinity of areas hosting bat roosting sites are assessed and any preventive/ mitigation measures to reduce bat disturbance are adopted accordingly	Reduce/ eliminate pollution (incl. noise, light, heat, soil pollution) from industrial, commercial, residential and recreational areas and activities (MF07)	Works or activities in line with ERA's proposed conditions	Ongoing	ERA
MT15_CM_16c	New developments proposed within and in the vicinity of the site are assessed with respect to potential light pollution, and any preventive/ mitigation measures to reduce bat disturbance are adopted accordingly		Light levels in line with ERA's proposed conditions	Ongoing	ERA

ZAMENIS SITULA

Limited data is available on the distribution and population size of *Zamenis situla* within this site. Thus, an operational objective to address this current knowledge gap is being put forward. This would then enable the elaboration of SSCOs for this species.

Operational Objective	MT15_OO_04_Undertake a study to improve knowledge on the distribution and population size of <i>Zamenis situla</i> within the site
Lead/supporting parties	ERA
Timeframe	Short-term

BIRDS

The following site-specific conservation objectives and measures shall seek to maintain the conservation status of these species within this site by 2030:

Birds				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_17a	Maintain the total extent of habitats present within the wetland area supporting regularly breeding birds through the corresponding target	Extent of habitats for the species	The total area of habitats present within the wetland area is maintained for regularly breeding bird species	Area covered by the habitats (in hectares)
MT15_SSCO_17b	Improve the condition of the habitats present within the wetland area supporting regularly breeding birds through the corresponding target	Habitats' condition	The condition of the habitats within the wetland area is suitable for regularly breeding bird species	Habitats' condition

Birds				
SSCO code	Conservation Objective	Attributes	Target	Unit of measurement
MT15_SSCO_17c	Improve future prospects for regularly breeding birds through the corresponding targets	Pressures and threats: Predation	Predation by rodents is reduced	Rodent activity
MT15_SSCO_17d			Predation by feral cats is reduced	Feral cat activity
MT15_SSCO_17e		Pressures and threats: Human disturbance (Works or activities)	Works or activities are carried out in full respect of the conservation requirements of the Natura 2000 site and in line with ERA's assessment/ permit conditions, as relevant	Level of compliance with ERA's assessment/ permit conditions

Birds					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_17a	Continuation of rat control efforts to ensure that the rodent population is controlled within the wetland area	Management, control or eradication of other invasive alien species (MI03)	% decrease in rodent activity Number of stations in place	Ongoing	ERA, AM / NGO
MT15_CM_17b	Neutering/ relocation of feral cats present within the wetland area		% decrease in feral cat population	Ongoing	ERA, AM

Birds					
Measure code	Conservation Measure	Category (Art. 17)	Performance indicator	Timeframe	Lead/ Supporting Parties
MT15_CM_17c	New developments proposed within and in the vicinity of the site are assessed with respect to potential light pollution, and any preventive/ mitigation measures to reduce disturbance to birds are adopted accordingly	Reduce/ eliminate pollution (incl. noise, light, heat, soil pollution) from industrial, commercial, residential and recreational areas and activities (MF07)	Light levels in line with ERA's proposed conditions	Ongoing	ERA
MT15_CM_17d	Works and activities proposed within and in the vicinity of the site are assessed, and any preventive/ mitigation measures to reduce disturbance to birds are adopted accordingly		Works or activities in line with ERA's proposed conditions	Ongoing	ERA
MT15_CM_17e	Establishing new artificial nesting sites and retention of existing ones	Restoration of habitat of species from the directives (MS03)	Existing artificial nesting sites retained Number of artificial nesting sites set up Number of nesting sites occupied	Short-term/ Ongoing	ERA, AM
MT15_CM_17f	Implementation of the conservation measures listed for the habitat types present within the wetland area to improve the condition of the habitats supporting regularly breeding birds		Implementation of measures listed for the habitat types present within the site	Various	ERA, AM