



ecosativa

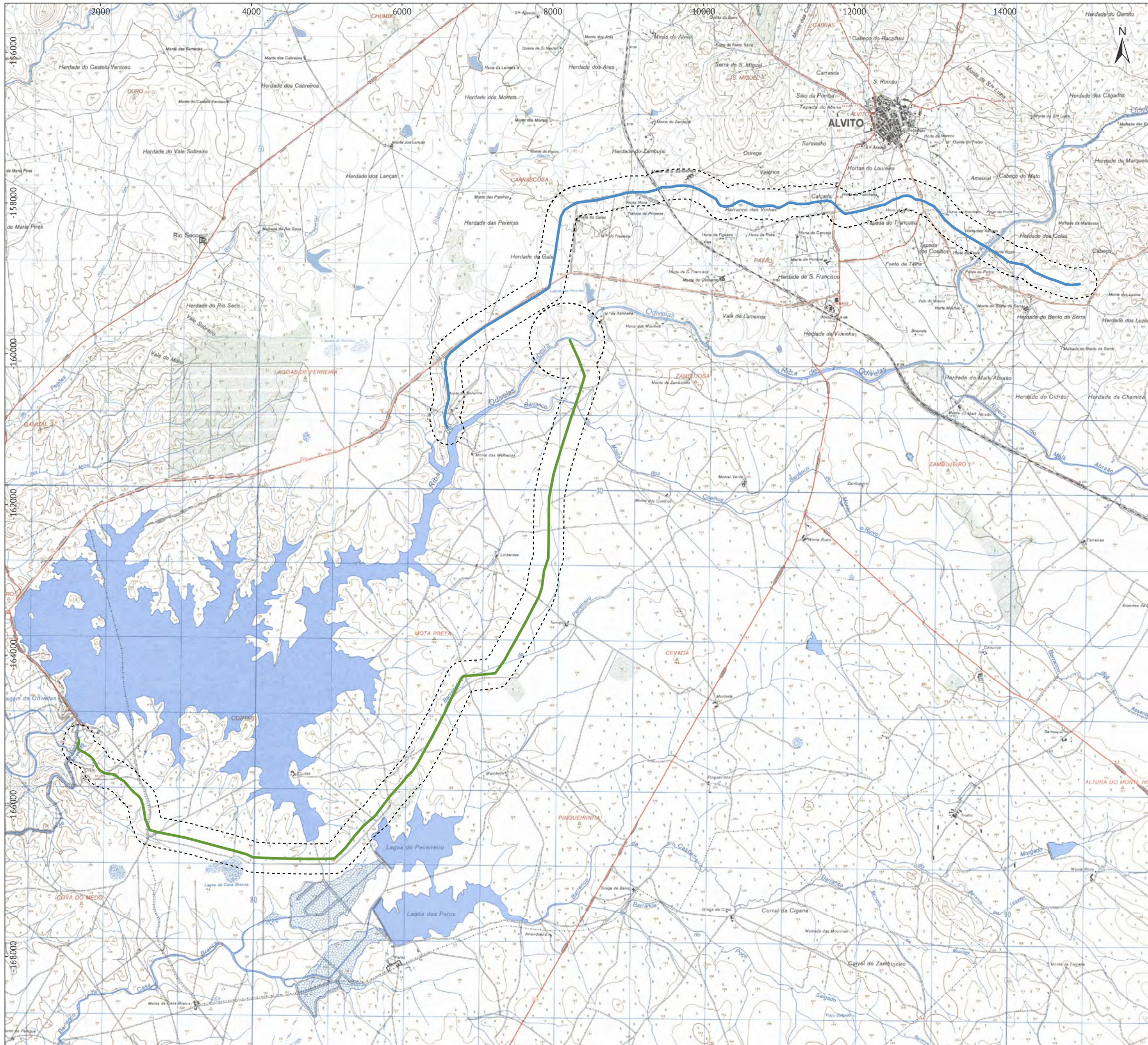
CONSULTORIA AMBIENTAL

ANEXO I

Enquadramento geográfico da área de estudo

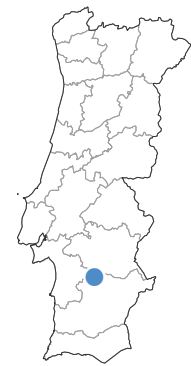
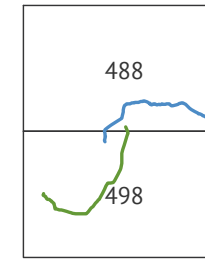


EDIA Empresa de Desenvolvimento
e Infra-estruturas do Alqueva, S.A.



Enquadramento geográfico

Carta Militar de Portugal
(1 : 25 000 - Série M888)



Área de estudo



Legenda

- Área de estudo
- Circuito Hidráulico de Adução a Odivelas
- By-pass

Ficha técnica

MONITORIZAÇÃO DE FLORA E VEGETAÇÃO NO CIRCUITO HIDRÁULICO DE ADUÇÃO À BARRAGEM DE ODIVELAS E BY-PASS

Referência:
Mapa 1 - Enquadramento geral da área em estudo

Data:
Set. 2018

Escala:
1 : 50 000

Sistema de referência:
ETRS89 / PT-TM06



Elaborado por:
 ecosativa

Promotor:
 EDIA Empresa de Desenvolvimento e Infra-estruturas do Alqueva, S.A.



ecosativa

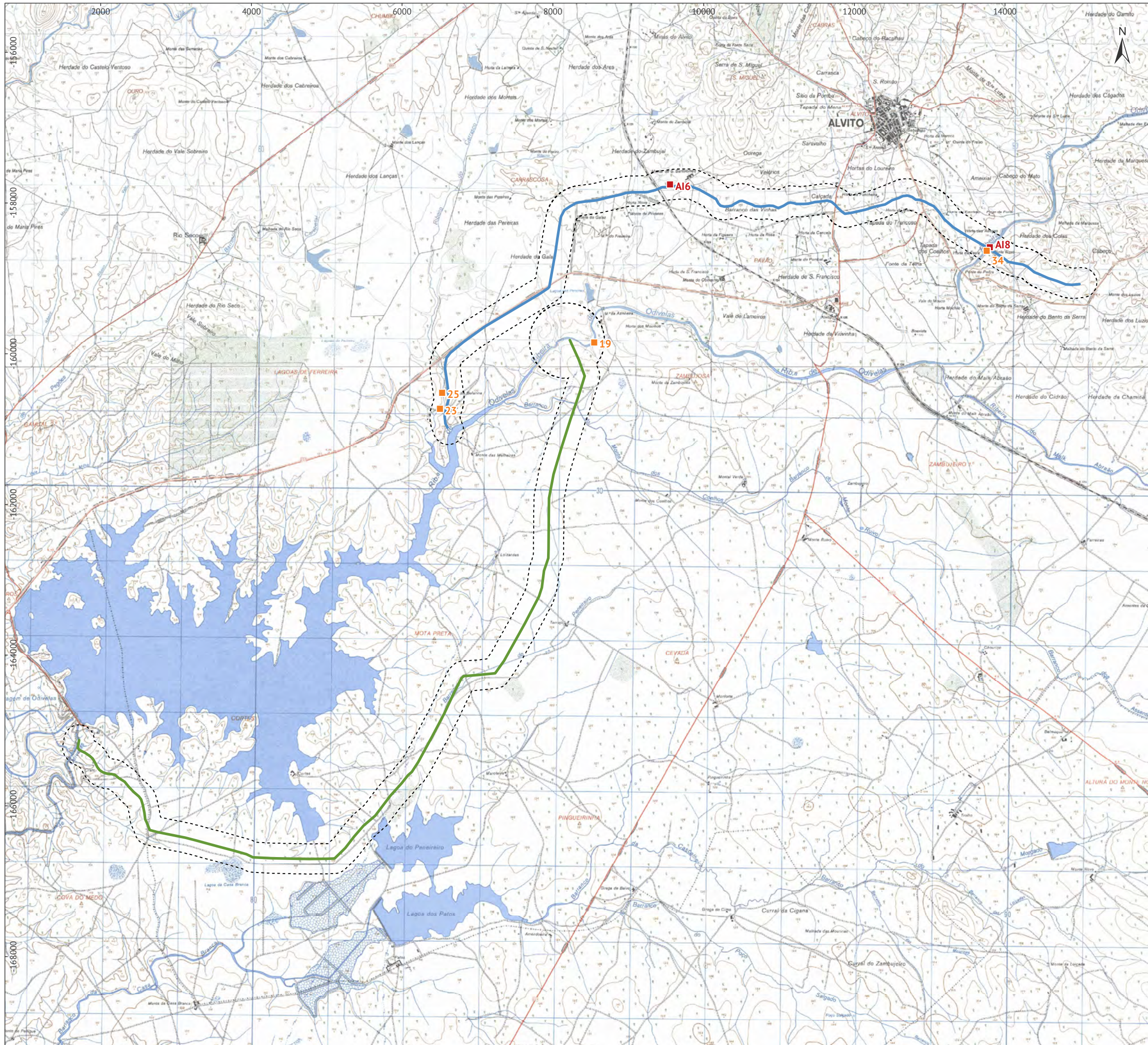
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ANEXO II

Parcelas de amostragem – Diversidade florística dos habitats

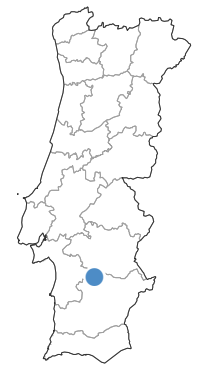
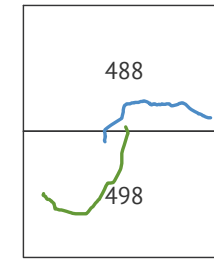


EDIA Empresa de Desenvolvimento
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Enquadramento geográfico

Carta Militar de Portugal
(1 : 25 000 - Série M888)



Área de estudo



Legenda

- Área de estudo
 - Circuito Hidráulico de Adução a Odivelas
 - By-pass
- Parcelas de amostragem:
- em áreas representativas
 - em áreas intervencionadas

Ficha técnica

MONITORIZAÇÃO DE FLORA E VEGETAÇÃO NO CIRCUITO HIDRÁULICO DE ADUÇÃO À BARRAGEM DE ODIVELAS E BY-PASS

Referência:
Mapa 2 - Localização das parcelas de amostragem

Data: Set. 2018	Escala: 1 : 50 000	Sistema de referência: ETRS89 / PT-TM06
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Elaborado por:
 ecosativa
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Promotor:
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Empresa de Desenvolvimento e Infra-estruturas do Alqueva, S.A



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ANEXO III

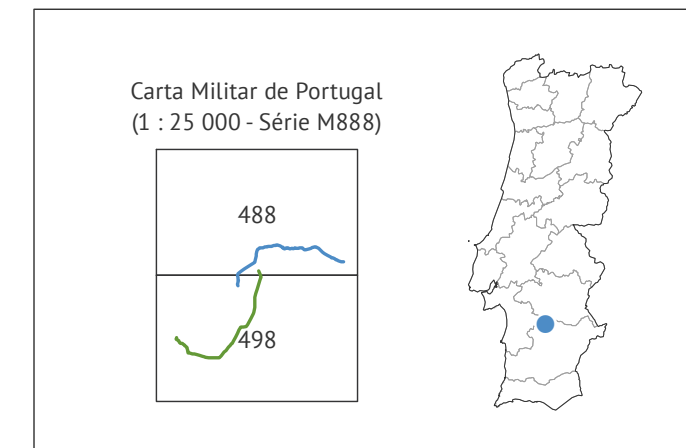
Localização do Açude do Monte da Azinheira



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Enquadramento geográfico



Área de estudo



Legenda

- Área de estudo
- Circuito Hidráulico de Adução a Odivelas
- By-pass

Ficha técnica

MONITORIZAÇÃO DE FLORA E VEGETAÇÃO NO CIRCUITO HIDRÁULICO DE ADUÇÃO À BARRAGEM DE ODIVELAS E BY-PASS		
Referência: Mapa 3 - Localização do açude		
Data: Set. 2018	Escala: 1 : 5 000	Sistema de referência: ETRS89 / PT-TM06





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ANEXO IV

Resultados dos inventários florísticos



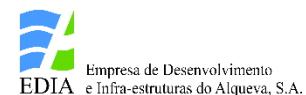
EDIA Empresa de Desenvolvimento
e Infra-estruturas do Alqueva, S.A.

ESTRATO HERBÁCEO (PERCENTAGEM DE COBERTURA)

Espécie	19				23				25				34				AI6				AI8			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Agrostis pourretii</i>	0	0	0	0	25	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Alisma lanceolatum</i>	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anacyclus radiatus</i>	0	5	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Anagallis arvensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	2	10	5	0	0	0	0	0	0	0	0
<i>Andryala integrifolia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5	5	0	5	0	0	0
<i>Apium nodiflorum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
<i>Avena barbata</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	70	50	70	0	0	0	0
<i>Avena sterilis</i>	0	0	0	15	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
<i>Barbarea vulgaris</i>	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Briza maxima</i>	0	3	0	0	0	0	10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	7,5	0
<i>Bromus hordeaceus</i>	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	30
<i>Bromus madritensis</i>	0	0	0	10	0	0	0	0	0	10	45	2	0	0	0	0	5	0	0	0	0	0	0	15
<i>Bryonia dioica</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Campanula rapunculus</i>	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Carduus tenuiflorus</i>	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0
<i>Carex distachya</i>	0	0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Chamaemelum mixtum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0
<i>Conium maculatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45	0	0	0	0	0	0	0	0
<i>Convolvulus arvensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	0	0
<i>Crepis capillaris</i>	0	0	0	0	0	3	0	0	0	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0
<i>Cynodon dactylon</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0
<i>Cyperus longus</i>	0	0	0	0	0	0	0	5	5	10	0	0	0	0	0	0	0	0	0	0	35	0	0	0
<i>Dactylis glomerata</i>	0	0	0	0	0	7,5	7,5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Daucus muricatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0

MONITORIZAÇÃO DE FLORA E VEGETAÇÃO NO CIRCUITO HIDRÁULICO DE ADUÇÃO

À BARRAGEM DE ODIVELAS E BYPASS



Espécie	19				23				25				34				A16				A18			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Echium plantagineum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	2	0	0	0	10
<i>Eleocharis palustris</i>	0	0	0	0	0	0	0	0	5	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Foeniculum vulgare</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	5	10	15	0	0	25	0
<i>Fraxinus angustifolia</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Fumaria muralis</i>	0	0	0	0	0	0	0	0	0	2	0	0	0	0	5	0	0	0	0	0	0	0	0	5
<i>Galactites tomentosus</i>	0	0	0	0	5	0	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0
<i>Galium aparine</i>	0	0	0	0	0	0	0	0	0	0	0	0	5	10	5	10	0	0	0	0	0	0	0	0
<i>Gaudinia fragilis</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Geranium molle</i>	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Geranium purpureum</i>	0	0	0	0	3	0	3	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	5
<i>Hedypnois cretica</i>	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0
<i>Holcus lannatus</i>	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	0	15
<i>Hordeum murinum subsp. leporinum</i>	10	15	5	15	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	10
<i>Lagurus ovatus</i>	20	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lathyrus clymenum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	5
<i>Lavatera cretica</i>	0	0	0	5	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0
<i>Leontodon taraxacoides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
<i>Lolium rigidum</i>	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Lythrum salicaria</i>	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0
<i>Melilotus indicus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
<i>Mentha suaveolens</i>	0	0	0	0	0	0	0	7,5	0	0	0	0	0	0	0	10	0	0	0	0	5	0	0	0
<i>Myrtus communis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Oenanthe crocata</i>	0	0	0	0	55	35	45	10	15	0	0	70	25	25	40	0	0	0	0	0	55	0	0	0
<i>Olea europaea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Papaver dubium</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
<i>Parentucellia viscosa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
<i>Pistacia lentiscus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Plantago major</i>	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Polygonum aviculare</i>	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0

Espécie	19				23				25				34				AI6				AI8			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Polygonum persicaria</i>	0	0	0	0	0	0	7,5	0	0	0	0	0	0	15	25	0	0	0	0	0	10	0	0	0
<i>Populus alba</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Pulicaria paludosa</i>	0	0	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5
<i>Pyrus bourgaeana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ranunculus peltatus</i>	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Ranunculus repens</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0
<i>Rorippa nasturtium-aquaticum</i>	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rosa canina</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rubus ulmifolius</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Rumex conglomeratus</i>	0	0	0	0	5	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	15	0	0	0
<i>Rumex pulcher</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
<i>Ruscus aculeatus</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Salix neotricha</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Salvia verbenaca</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0
<i>Scirpoides holoschoenus</i>	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sherardia arvensis</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Silene gallica</i>	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Sinapis arvensis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
<i>Smilax aspera</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Smyrniolus olusatrum</i>	25	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Solanum nigrum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0
<i>Sonchus asper</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	10	15	0	0	0	0	0	0	0	0	0
<i>Sonchus oleraceus</i>	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tamarix africana</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Tamus communis</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Torilis arvensis</i>	5	2	30	0	0	0	3	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
<i>Trifolium angustifolium</i>	0	0	0	0	0	0	3	0	0	0	10	0	0	0	0	0	0	0	0	0	0	20	10	15
<i>Trifolium pratense</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0
<i>Trifolium repens</i>	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MONITORIZAÇÃO DE FLORA E VEGETAÇÃO NO CIRCUITO HIDRÁULICO DE ADUÇÃO
À BARRAGEM DE ODIVELAS E BYPASS

Espécie	19				23				25				34				AI6				AI8			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
<i>Trifolium resupinatum</i>	0	0	0	0	0	0	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Urospermum picroides</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	15	10
<i>Urtica urens</i>	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>Verbascum virgatum</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	0	0	0	0	0
<i>Vicia lutea</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
<i>Vicia sativa</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
<i>Vulpia geniculata</i>	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	5	2	0	0	0	0	5	0
<i>Arundo donax</i>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0

ESTRATO ARBUSTIVO E ARBÓREO (PERCENTAGEM DE COBERTURA)

Espécie	19	23	25	34	AI6	AI8
<i>Bryonia dioica</i>	0	5	7,5	0	0	0
<i>Fraxinus angustifolia</i>	15	50	0	0	0	0
<i>Myrtus communis</i>	0	10	5	0	0	0
<i>Olea europaea</i>	0	0	25	0	0	0
<i>Pistacia lentiscus</i>	0	15	30	0	0	2
<i>Populus alba</i>	0	15	0	0	0	0
<i>Pyrus bourgaeana</i>	0	0	30	0	0	0
<i>Rosa canina</i>	5	0	0	0	0	0
<i>Rubus ulmifolius</i>	30	20	0	0	0	15
<i>Ruscus aculeatus</i>	0	5	0	0	0	0
<i>Salix alba</i>	45	0	0	100	0	15
<i>Salix atrocinerea</i>	0	15	0	0	0	0
<i>Smilax aspera</i>	0	5	0	0	0	0
<i>Tamarix africana</i>	25	20	55	0	0	0
<i>Tamus communis</i>	0	5	7,5	0	0	0