

Report on the main results of the surveillance under article 17 for annex I habitat types (Annex D)

CODE: 6510

NAME: Lowland hay meadows (*Alopecurus pratensis*, *Sanguisorba officinalis*)

1. National Level

1.1 Maps

1.1.1 Distribution Map	Yes
1.1.2 Distribution Method	Estimate based on partial data with some extrapolation and/or modelling (2)
1.1.3 Year or period	2007-2012
1.1.4 Additional map	No
1.1.5 Range Map	Yes

2. Biogeographical Or Marine Level

2.1 Biogeographical Region

Pannonian (PAN)

2.2 Published

Böloni J., Molnár Zs. & Kun A (2011): Magyarország Élőhelyei Vegetációtípusok leírása és határozója ÁNÉR 2011: MTA Ökológiai és Botanikai Kutatóintézete, Vácrátót.

A Nemzeti Biodiverzitás-monitorozó Rendszer keretében 2007-2012 között végzett felmérések kutatási jelentése

2.3 Range of the habitat type in the biogeographical region or marine region

2.3.1 Surface area - Range (km ²)	49426
2.3.2 Range method used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.3.3 Short-term trend period	2001-2012
2.3.4 Short-term trend direction	stable (0)
2.3.5 Short-term trend magnitude	min max
2.3.6 Long-term trend period	
2.3.7 Long-term trend direction	N/A
2.3.8 Long-term trend magnitude	min max
2.3.9 Favourable reference range	area (km ²) operator approximately equal to (≈) unknown No method
2.3.10 Reason for change	Improved knowledge/more accurate data

2.4 Area covered by Habitat

2.4.1 Surface area (km ²)	270
2.4.2 Year or period	2007-2012
2.4.3 Method used	Estimate based on partial data with some extrapolation and/or modelling (2)
2.4.4 Short-term trend period	2001-2012
2.4.5 Short-term trend direction	stable (0)
2.4.6 Short-term trend magnitude	min max

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2.4.7 Short term trend method used	Estimate based on partial data with some extrapolation and/or modelling (2)	
2.4.8 Long-term trend period		
2.4.9 Long-term trend direction	N/A	
2.4.10 Long-term trend magnitude	min	max
2.4.11 Long term trend method used	N/A	
2.4.12 Favourable reference area	area (km)	
	operator	more than (>)
	unknown	No
	method	
2.4.13 Reason for change	Improved knowledge/more accurate data	

2.5 Main Pressures

Pressure	ranking	pollution qualifier(s)
agricultural intensification (A02.01)	high importance (H)	N/A
grassland removal for arable land (A02.03)	medium importance (M)	N/A
intensive mowing or intensification (A03.01)	low importance (L)	N/A
intensive grazing (A04.01)	low importance (L)	N/A
Fertilisation (A08)	low importance (L)	N/A
forest planting on open ground (B01)	low importance (L)	N/A
damage caused by game (excess population density) (F03.01.01)	medium importance (M)	N/A
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
invasive non-native species (I01)	high importance (H)	N/A
problematic native species (I02)	medium importance (M)	N/A
Canalisation & water deviation (J02.03)	medium importance (M)	N/A
species composition change (succession) (K02.01)	high importance (H)	N/A
accumulation of organic material (K02.02)	medium importance (M)	N/A

2.5.1 Method used – pressures based exclusively or to a larger extent on real data from sites/occurrences or other

2.6 Main Threats

Threat	ranking	pollution qualifier(s)
agricultural intensification (A02.01)	high importance (H)	N/A
grassland removal for arable land (A02.03)	medium importance (M)	N/A
intensive mowing or intensification (A03.01)	low importance (L)	N/A
intensive grazing (A04.01)	low importance (L)	N/A
Fertilisation (A08)	low importance (L)	N/A
forest planting on open ground (B01)	low importance (L)	N/A
damage caused by game (excess population density) (F03.01.01)	medium importance (M)	N/A
Outdoor sports and leisure activities, recreational activities (G01)	medium importance (M)	N/A
invasive non-native species (I01)	high importance (H)	N/A

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problematic native species (I02)	medium importance (M)	N/A
Canalisation & water deviation (J02.03)	medium importance (M)	N/A
species composition change (succession) (K02.01)	high importance (H)	N/A
accumulation of organic material (K02.02)	medium importance (M)	N/A

2.6.1 Method used – threats expert opinion (1)

2.7 Complementary Information

2.7.1 Species

Alopecurus pratensis

Anthoxanthum odoratum

Arrhenatherum elatius

Briza media

Campanula patula

Centaurea jacea

Cirsium canum

Deschampsia caespitosa

Festuca pratensis

Galium mollugo agg.

Galium rubioides

Helictrotrichon pubescens

Hypericum maculatum s.l.

Lathyrus pratensis

Lychnis flos-cuculi

Pimpinella major

Silaum silaus

Sanguisorba officinalis

Trifolium spp.

Trisetum flavescens

Vicia sepium

Ranunculus acris

Rinanthus minor

Anthriscus sylvestris

Arctium spp.

Carduus acanthoides

Calamagrostis epigeios

Cirsium arvense

Elymus repens

Phragmites australis

Rumex spp.

Silene latifolia

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Urtica dioica

Aster adv. spp.

Erigeron annuus

Solidago adv. spp.

2.7.2 Species method used

NBmR 5x5 km-es kvadrátok és N2000 területek élőhelytérképezése, az NBmR monitorozásra kiválasztott társulásainak cönológiai felvételezése, valamint a közösségi jelentőségű élőhelytípusok monitorozása eredményeinek összegzése és értékelése alapján.

2.7.3 Justification of % - thresholds for trends

2.7.4 Structure and functions - methods used

Estimate based on partial data with some extrapolation and/or modelling (2)

2.7.5 Other relevant information

A struktúra-funkció megítélése 5 komponensű (fajkészlet, fragmentáltság, inváziós fertőzöttség, termőhelyi sérülékenység, kezelések sikeressége) szempontrendszer alapján történt.

2.8 Conclusions (assessment of conservation status at end of reporting period)

2.8.1 Range

assessment Favourable (FV)
qualifiers N/A

2.8.2 Area

assessment Inadequate (U1)
qualifiers stable (=)

2.8.3 Specific structures and functions (incl Species)

assessment Inadequate (U1)
qualifiers stable (=)

2.8.4 Future prospects

assessment Inadequate (U1)
qualifiers stable (=)

2.8.5 Overall assessment of Conservation Status

Inadequate (U1)

2.8.5 Overall trend in Conservation Status

stable (=)

3. Natura 2000 coverage conservation measures - Annex I habitat types on biogeographical level

3.1 Area covered by habitat

3.1.1 Surface area (km²)

min	205	max	220
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3.1.2 Method used

Estimate based on partial data with some extrapolation and/or modelling (2)

3.1.3. Trend of surface area

N/A

3.2 Conversation Measures

3.2.1 Measure

3.2.2 Type

3.2.3 Ranking

3.2.4 Location

3.2.5 Broad Evaluation

Other agriculture-related measures (2.0)

Legal
Administrative
Contractual
Recurrent

high importance
(H)

Both

Maintain
Enhance
Long term

Maintaining grasslands and other open habitats (2.1)

Recurrent

high importance
(H)

Both

Maintain
Enhance
Long term

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Adapt forest management (3.2)	Administrative Recurrent	high importance (H)	Both	Maintain
Restoring/improving the hydrological regime (4.2)	Contractual Recurrent	medium importance (M)	Both	Enhance
Establish protected areas/sites (6.1)	Legal Recurrent	high importance (H)	Inside	Long term

