



## SAM011 - Fourniotikos estuary

### Wetland description

### Geographical data

|                                          |                           |
|------------------------------------------|---------------------------|
| <b>Region:</b>                           | Samos                     |
| <b>Regional section:</b>                 | Voreio Aigaio             |
| <b>Island:</b>                           | Samos                     |
| <b>Municipality:</b>                     | Samos                     |
| <b>Closest settlement:</b>               | Neo Karlovasi             |
| <b>Distance from closest settlement:</b> | 1.8 km north - northeast  |
| <b>Coordinates (WGS84):</b>              | 26.716187 E - 37.804875 N |

### Fundamental data

|                                                     |                                 |
|-----------------------------------------------------|---------------------------------|
| <b>Wetland location:</b>                            | 1. Marine/Coastal               |
| <b>Wetland category:</b>                            | Natural                         |
| <b>Area:</b>                                        | 3.59 hectares                   |
| <b>Hydrological interaction with other wetland:</b> | No                              |
| <b>Water salinity:</b>                              | 3.Brackish (5.0-18.0 g/l)       |
| <b>Fresh water entry:</b>                           | Torrent / Stream                |
| <b>Surface water runoff:</b>                        | Outflow from lakeshore or river |
| <b>Open water area (%):</b>                         | 5 - 25                          |
| <b>Hydroperiod:</b>                                 | 1. Permanent                    |

### Protection status

| Category of protection status | Type of protection status                                      | Site name                   | Code       | Coverage(%) | Legislation             |
|-------------------------------|----------------------------------------------------------------|-----------------------------|------------|-------------|-------------------------|
| Other                         | Laws, Presidential Decrees, common ministerial decisions, etc. | Ekvoli potamou Fourniotikou | Y412SAM011 | 100         | Π.Δ. (ΦΕΚ 229/ΑΑΠ/2012) |

### Other designations

#### CDDA designation

| CDDA code | Category |
|-----------|----------|
|-----------|----------|

**IUCN PA category****Important Bird Area****IBA Code**      **Site name****Coverage (%)****National Wetland Inventory****Code**      **Site name****Wetland status****Status (MEDWET):**      3 - Original habitats/landform partially modified (10-50% untouched)**Property status**

Government - Municipal / Private

**Wetland values**

103 Flood control  
 109 Food chain support  
 110 Wildlife habitat  
 201 Wildlife resources

**Human activities in wetland****Activities**

409 = other patterns of habitation  
 412 = industrial stockage  
 421 = disposal of household waste  
 422 = disposal of industrial waste  
 423 = disposal of inert materials  
 430 = Agricultural structures  
 502 = roads motorways  
 507 = bridge viaduct  
 511 = electricity lines  
 701 = water pollution  
 703 = soil pollution  
 730 = Military manouvres

**Intensity**

Medium  
 Medium  
 Medium  
 Medium  
 Medium  
 Medium  
 Medium  
 Medium  
 Low  
 Unknown  
 Unknown  
 Low

**Human activities in catchment area****Activities**

105 = extensive cultivations  
 107 = tree cultivations  
 160 = General Forestry management  
 402 = discontinuous urbanisation  
 410 = Industrial or commercial areas  
 420 = Discharges  
 430 = Agricultural structures  
 490 = Other urbanisation industrial and similar activities

**Intensity**

Medium  
 Medium  
 Unknown  
 Medium  
 High  
 Medium  
 Medium  
 Low

|                       |        |
|-----------------------|--------|
| 502 = roads motorways | Medium |
| 504 = port areas      | Low    |
| 507 = bridge viaduct  | Medium |
| 701 = water pollution | Medium |
| 703 = soil pollution  | Medium |

## Impacts on wetland

| Impact type                                                             | Intensity |
|-------------------------------------------------------------------------|-----------|
| AN- = Increase in noise                                                 | Unknown   |
| AS- = Loss of scenic value                                              | High      |
| HF- = Habitat fragmentation                                             | Medium    |
| PFO = Fertiliz./Excess nutrient pollut. of an unknown severity/duration | Unknown   |
| PSO = Sewage pollution of an unknown severity/duration                  | Medium    |

## Habitat types

| Habitat types                 | Coverage (%) |
|-------------------------------|--------------|
| 2110 Embryonic shifting dunes | 5 - 25       |
| 72A0 Reed thickets            | 5 - 25       |

## Wetland types (Ramsar)

| Wetland type                                                                                                                 | Coverage (%) |
|------------------------------------------------------------------------------------------------------------------------------|--------------|
| E -- Sand, shingle or pebble shores; includes sand bars, spits and sandy islets; includes dune systems and humid dune slacks | 5 - 25       |
| F -- Estuarine waters; permanent water of estuaries and estuarine systems of deltas                                          | 51 - 75      |

## Vegetation

| Vegetation type       | Coverage (%) |
|-----------------------|--------------|
| Ammophilous           | 5 - 25       |
| Emergent              | < 5          |
| Shrubby / Arborescent | 26 - 50      |
| Wet meadow            | < 5          |

## Flora

| Species            | Dominance | Reference                  |
|--------------------|-----------|----------------------------|
| Arundo donax       | Present   | M. Michailiadis 01.05.2011 |
| centaurea spinosa  | Present   | M. Michailiadis 01.05.2011 |
| Eryngium maritimum | Present   | M. Michailiadis 01.05.2011 |
| Juncus sp.         | Present   | M. Michailiadis 01.05.2011 |
| Juniperus sp.      | Present   | M. Michailiadis 01.05.2011 |
| Scirpus sp.        | Present   | M. Michailiadis 01.05.2011 |
| Spartium junceum   | Present   | M. Michailiadis 01.05.2011 |
| Tamarix sp.        | Present   | M. Michailiadis 01.05.2011 |
| Typha sp.          | Present   | M. Michailiadis 01.05.2011 |

## Fauna

| Mammals                           | Presence in wetland        | Reference                 |
|-----------------------------------|----------------------------|---------------------------|
| <b>Birds</b>                      | <b>Number</b>              | <b>Nesting status</b>     |
| Tringa sp.                        | 1-10                       | M. Michaliadis 01.05.2011 |
| Ardeola ralloides (Scopoli, 1769) | 1-10                       | M. Michaliadis 01.05.2011 |
| Egretta garzetta (L., 1766)       | 1-10                       | M. Michaliadis 01.05.2011 |
| Hirundo rustica L., 1758          | 1-10                       | M. Michaliadis 01.05.2011 |
| Motacilla sp.                     | 1-10                       | M. Michaliadis 01.05.2011 |
| <b>Reptiles</b>                   | <b>Presence in wetland</b> | <b>Reference</b>          |
| <b>Amphibians</b>                 | <b>Presence in wetland</b> | <b>Reference</b>          |
| <b>Fishes</b>                     | <b>Presence in wetland</b> | <b>Reference</b>          |
| <b>Invertebrates</b>              | <b>Presence in wetland</b> | <b>Reference</b>          |

## Reference





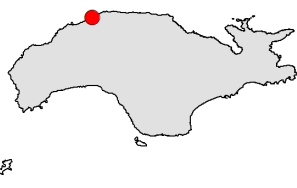




## SAM011 - Εκβολή ποταμού Φουρνιώτικου / Fourniotikos estuary



Ν. ΣΑΜΟΣ / SAMOS



Δορυφορική εικόνα: Google Earth / WGS84 - Satellite image: Google Earth / WGS84

0 20 40 80 120 m

 Όρια υγρότοπου  
Site boundaries

Νησιωτικοί υγρότοποι της Ελλάδας - Island wetlands of Greece