

## **95. Pachyammos 2**

### **95.1. General Information**

#### **95.1.1. BW**

- *Name:* Pachyammos 2
- *ID:* CY0006010000000124

#### **95.1.2. River Basin District**

- *Name:* Cyprus
- *ID:* CY001

#### **95.1.3. Water Body**

- *Name:* Pafos South
- *ID:* CY\_8-C1

#### **95.1.4. Sampling Point**

- *Coordinates / Reference System:* 32.4291 E, 34.7425N / ETRS89
- *Position / Representativeness:* It is located at the centre of the beach in an area where most bathers are expected. The point is representative.

#### **95.1.5. Localization**

- *District:* Pafos
- *Municipality / Community:* Municipality of Geroskipou

#### **95.1.6. Competent Authority**

- *National Competent Authority:* Environment Service / Ministry of Agriculture Natural Resources and Environment.

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- *Beach Management and Operation:* Public

#### **95.1.7. Beach Use Plans**

Not available.

## **95.2. Natural, Geographical and Hydrological characteristics of the Bathing Water**

### **95.2.1. Natural – Geographical characteristics**

- *Location of the Bathing Water into the Water Body:* (see Figure)
- *Description of the Beach:* The beach is mainly rocky while to the south there are parts with sand. The substrate is hard sandstone. The beach is located in front of a hotel unit, while it extends from the southeast artificial bracket to the natural small cape northwest. At about 10m from the coastline the sand of the area is added or/and enforced in order to create the conditions for beach facilities. North of the beach, in front of the hotel unit there are ornamental plants.
- *Description of the coastal zone:* Semi-natural coastal zone due to the construction of a large bracket southeast and two smaller within the bay. The two southern occupy almost half of the bay and are the easiest to access due to the beach conditions. The bottom, at the south bay has strip of sand and quite some rocks. The bottom of the other two, the northwest is rocky. At the coastal zone there are touristic developments and recreation and dining facilities. Great concentration of algae (posidonia) prevails to the whole bay.
- *Beach Length:* 380m
- *Average water depth:* 2.4m
- *Maximum water depth:* 3m
- *Facilities:* There are no public facilities. Regarding the toilets the guests can be served by the hotel facilities. There are waste bins along the beach, for which Geroskipou Municipality is responsible. During the summer period facilities are offered (sun beds, umbrellas) by the hotel. The lifeguard services and lifeguard equipment are available from 11:00 to 17:30.
- *Activities:* Water sports activities take place in the Bathing Water.
- *Maximum daily number of bathers:* 500

### **95.2.2. Hydrological – Meteorological characteristics**

The Bathing Water is located in the major catchment 1. The average altitude of the catchment is up to 465,1m. The average surface precipitation of the basin is up to 551 mm. The T=50 minimum annual rainfall is 242mm. The average annual runoff in the catchment reaches its maximum value in February (540l/sec) and its minimum value in September (46 l/sec) in the hydrometric station r1-3-5-05. Southeast winds prevail during the bathing season.

## 95.3 Identification and Evaluation of pollution sources

### 95.3.1. Land area

- *River sub-basin ID:* The land area of influence of the Bathing Water is located within the 1-5-1 sub-basin, Geroskipou.
- *Area:* 0.38km<sup>2</sup>
- *Land use:* It is a small area of influence that is mainly covered by cultivations and residential development.
- *Potential pollution sources:* Potential pollution sources are the low-intense agricultural runoff and infiltration and the beach developments' sewage pits. The area does not have a sewage network. There is a rainwater pipe outfall in the BW.

### 95.3.2 Sea area

- *Potential pollution sources:* Potential pollution sources are the passing/mooring recreation boats and the water sports that take place in the BW.

## 95.4. Historical Data

The Bathing Water is not related with any internal surface water body designated under the Water Framework Directive. The coastal water body in which the Bathing Water is situated is in good ecological status.

The Bathing Water quality is being monitored since 2009. Based on the monitoring data, the status of the Bathing Water is excellent.

## 95.5 Possibility of eutrophication growth from macroalgae and phytoplankton and presence of other waste

From the evaluation of the pollution sources within the land and sea area of influence of the Bathing Water, it is estimated that there is a **low degree of risk** of macroalgae and phytoplankton growth.

## 95.6 Short-term pollution

*Observed incidents:* No short-term pollution incidents have been reported during the 2009-2010 bathing seasons.

*The risk of short-term pollution:* Small.

*Potential sources:* Malfunction of beach developments' sewage systems, passing boats.

*Frequency:* Once during the bathing season

*Duration:* 1-2 days

*Competent Authority:* Environment Service / Ministry of Agriculture Natural Resources and Environment.

*Management measures:* Operation inspections of the beach developments' sewage systems before the start of the bathing season. Control to prevent illegal connections of sewage pipes with the drainage network. Intensified inspections of the compliance with the regulations of waste water management on marine vessels.







