

# WATER MANAGEMENT CASE STUDY

**Company: GSM**

**Location: Site de la Devèze à Caveirac (Gard), France**

**Type of site: Quarry (massive rock)**

**Potential impact on water or groundwater**

Mitigation of the flooding by using the quarry as a floodplain

**Action on**

Extraction site

**Description of the good practice**

This quarry is located in the south of France, close to the city of Nimes. The region is characterised by seasonal heavy rains which can lead to transform small rivers into torrents creating flooding.

In order to prevent flooding, a partnership has been developed with the local authorities and the quarry operator in order to use the quarry as a floodplain. In that objective, a deviation was established between the quarry and the adjacent river and a pumping system was installed. At the end of the site operation, then after the municipality will become the manager of the system.

**Description of the positive effects on water/groundwater**

From its implementation in 2002 to 2007, the installation work 3 times.

Since many years and in spite of heavy rainy events, no flooding impacted the surroundings of the quarry

