

Registry number:	<b>4824</b>
<input type="checkbox"/> The cave is not registered	
Document designation (Leave blank!)	



The form was prepared in collaboration between the Speleological Association of Slovenia and the Karst Research Institute ZRC-SAZU in 2002.

Record number:	
Date of visit:	5. 4. 2003
Date of record:	8. 4. 2003

## Supplementary record

**CAVE NAME:** ***Gajčekova jama***

Organization: JK Novo mesto Author: Borivoj Ladišič

Participants: Irena Podbevšek, Borivoj Ladišič

<input type="checkbox"/> cave location search	<input checked="" type="checkbox"/> coordinates determined	<input type="checkbox"/> geological data	<input type="checkbox"/> guided excursion
<input type="checkbox"/> cave area examination	<input type="checkbox"/> cave measurement	<input type="checkbox"/> hydrological data	<input type="checkbox"/> cleaning
<input type="checkbox"/> cave exploration	<input type="checkbox"/> cave survey	<input type="checkbox"/> meteorological data	<input type="checkbox"/> construction
<input type="checkbox"/> digging, widening tight sections	<input checked="" type="checkbox"/> photography, filming	<input type="checkbox"/> biological data	<input type="checkbox"/> accident
<input type="checkbox"/> advanced climbing or crossing	<input type="checkbox"/> information from oral sources	<input type="checkbox"/> archaeological data	<input type="checkbox"/> rescue drill
<input type="checkbox"/> diving, siphon emptying	<input type="checkbox"/> references	<input checked="" type="checkbox"/> environmental data	<input type="checkbox"/> other:

The cave is:     heavily polluted     heavily or recently damaged     locked     inaccessible     destroyed

Based on this record we suggest that the basic data on the cave should be changed. Coordinates and entrance altitude

### Description of activities and results:

External examination only, The cave was not descended. The purpose of the visit was for the precise determination of the cave location and comparison of today's cave condition with those of 24 years ago. The condition at the entrance is the same, there are iron grids. Grass extends for more than 10m from Grabljevčeva jama towards Gajčekova jama and further on towards Krulčeva jama. The cave surroundings are clean. In the cave bottom, daylight permitting, some larger pieces of rubbish are visible. In the pit, some 2m below the entrance, there is a 40cm-diameter concrete tube opening. This is the sewage system outlet for the farmsteads 250 northwest of the entrance, which goes directly into the cave. Brown, stinking fluid was pouring from the tube over the pit walls down to the bottom, where it disappears into a gravel floor. A sewage system near Dobnik church has been made in a similar fashion.. Several concrete tubes emerge into the predominantly dry river bed of the Dobovščica, where there are some stinking mud pools. Some photos were taken of the cave entrance and of the pit interior.

Several years ago the existing coordinates were determined using the 1:25,000 map (TK-25). Now these have been checked using a Garmin etrex GPS with a 5m-precision. These coordinates were compared with the entrance position seen on the digital orthophoto picture (DOF5), available on the *Interactive environmental atlas of Slovenia*. On the picture the entrance is clearly visible. The GPS and DOF locations are virtually identical; the difference being less than 2m. The new entrance coordinates are **5489 654 5087 240**, and these agree well with the existing coordinates in the Cave Registry, the differences being 6m and 3m. The cave entrance is marked on TK-25 and TTN-10 maps, as are the nearby Grabljevčeva jama and Krulčeva jama. Entrance altitude of **303m** was determined using GPS, DOF-5 and TTN-10, available in the *Interactive environmental atlas of Slovenia*. The altitude was previously recorded as 300m.

Supplements to the record:

1. TTN-10 from the *Interactive environmental atlas of Slovenia*, printed scale 1:8.100.
2. Digital orthophoto picture (DOF-5) from the *Interactive environmental atlas of Slovenia*, printed scale 1:3.100.
3. Picture of the entrance.

Borivoj Ladišič

(signature)