

Name 1	RACAL PROTECTIVE MINING HELMET
Name 2	/
ID number	002.221.Idrija
Manager / Administrator	Idrija Mercury Heritage Management Center, Bazoviška 2, SI-5280 Idrija
Ownership	Public
Owner	Republic of Slovenia
Local / Original ID Number	/
Type of Object	Mine

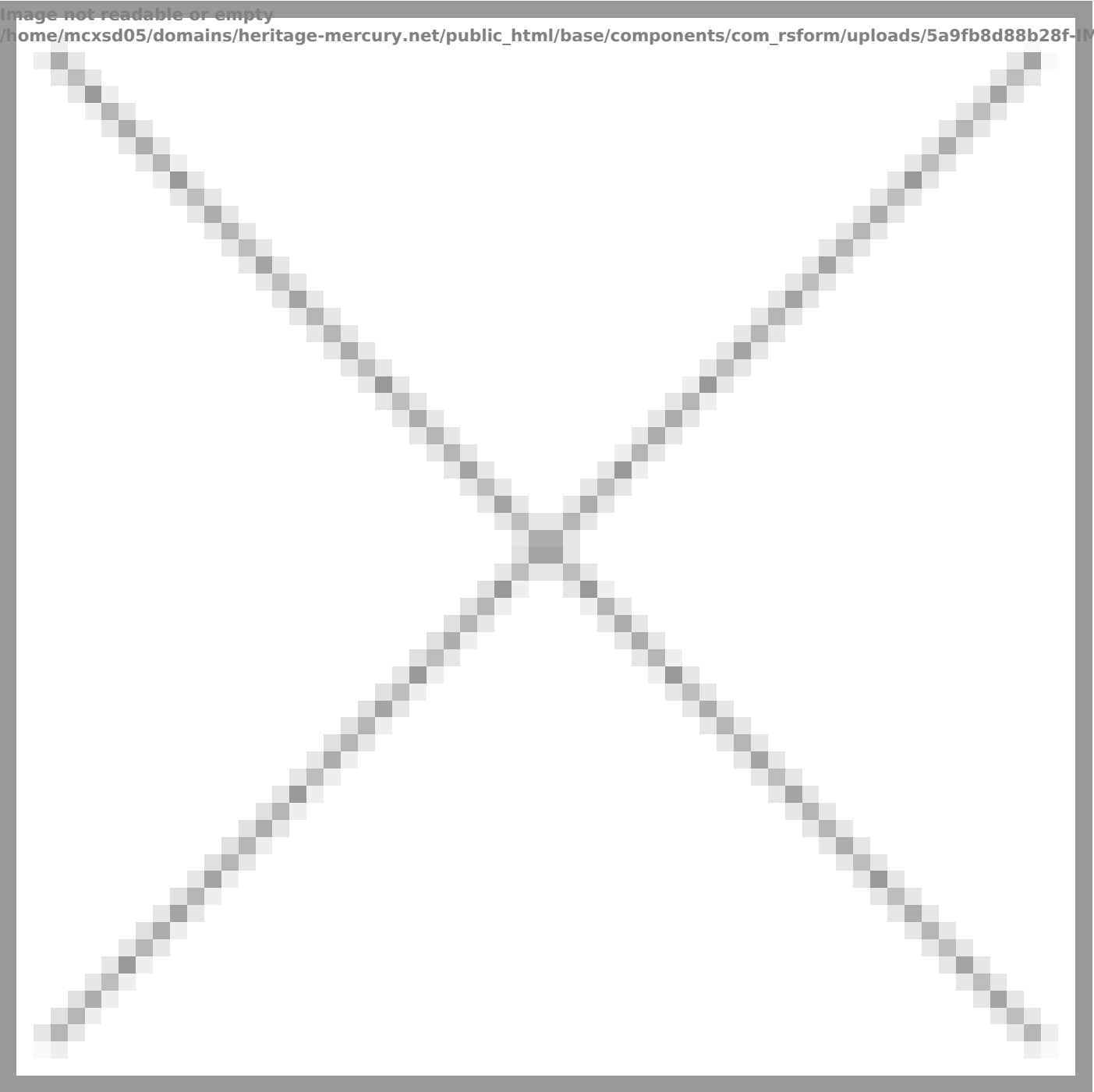
DESCRIPTION

Short description	The Racal protective mining helmet is elongated. It has a visor at the front, which ends with a curved edge on the inside. Above the visor, there is a bracket for fixing the lamp. The fan is mounted on the back part. The battery for the helmet fan operation is attached to the miners belt. Inside the helmet, there are head straps for a more comfortable position on the head.
Measures	Length 33 cm, width 21 cm, height 26 cm.
Materials	Plastic
Dating	1984

Author / Producer

Racal

Picture
attachments



Original use

From 1984, when the machine excavation of carbon slate with native mercury predominated in the mine sites, they started using the new Racal protective mining helmet. It was equipped with a special double-layered active charcoal filter, which purified pit air which was saturated with mercury vapour and dust. The helmet fan, powered by the energy from the battery, pushed the contaminated pit air through the filter and supplied the miner with the purified air supplied miner in the front part of the helmet. It was equipped with an adjustable visor which functioned as a purified air retainer. The Racal helmets were always washed at the end of the shift.

Present use

The Racal protective mining helmet is being preserved, secured and presented as important mining heritage of Idrija with exceptional universal values. It is a part of the CUDHg mining collection. Visitors can view it within the permanent museum display Anthony's Main Road. The helmet is a part of the presentation that represents the entire story of the specific mining method in the Idrija Mercury Mine and with the related process of work safety.

Original location

Joseph's shaft, Idrija Mercury Mine

Present location

Anthony's Main Road (The call room), Kosovelova 3, SI-5280 Idrija

STATE OF CONSERVATION**History of conservation:**

The Racal protective mining helmet is well preserved and still functioning. It was conserved for the purpose of the museum presentation. Therefore, no additional interventions are necessary. Security of the premises is ensured.

Present state	good
Necessary activities:	Regular seasonal maintenance.

DOCUMENTATION

Addresses / collections / links etc. where further in-depth information is accessible:	- CUDHg Inventory Book.
Submitted	Mestni muzej Idrija
Submitted by	Miha Kosmač
Date Submitted	7. 3. 2018
Date Edited	Never
