

Efficiency of biodinamic soil managment aproach on ruined plot (land in Krška vas)



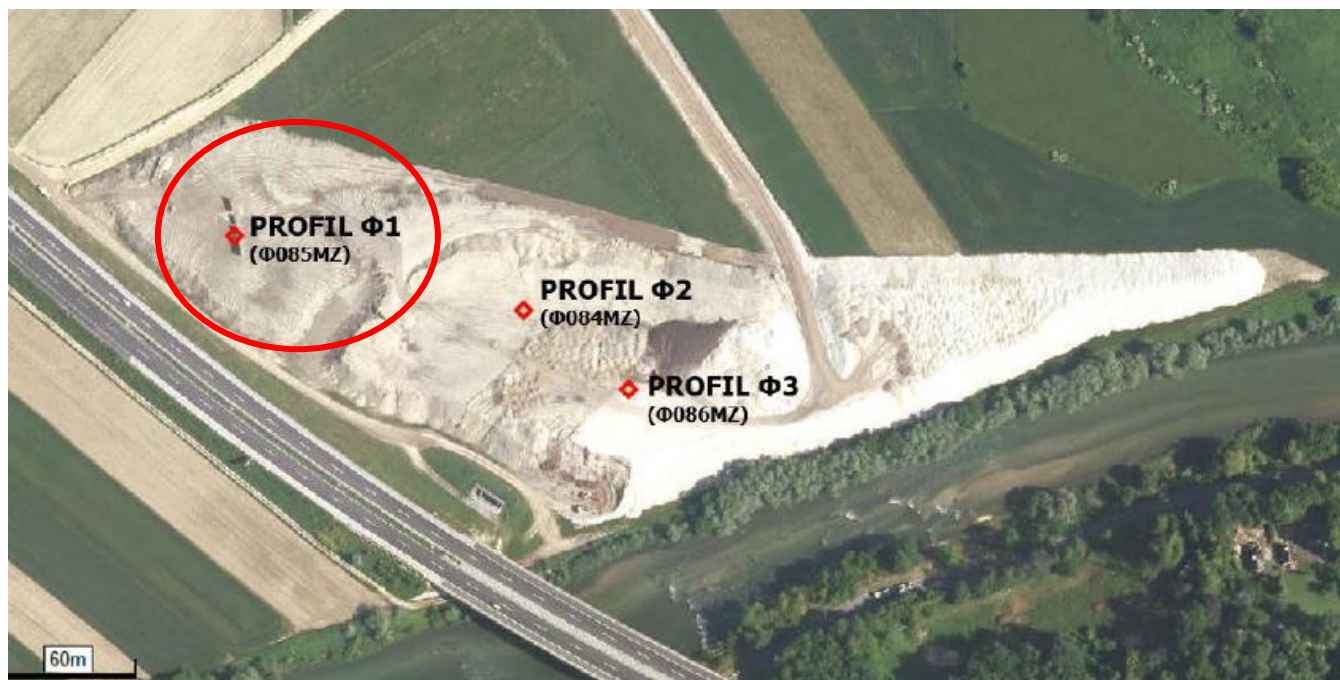
Dumpling area during construction works (on the plot 2014-2017), in 2016; Archive of HESS d.o.o



Dumpling area in 2014, number of the plot: 4338/1



June 2017



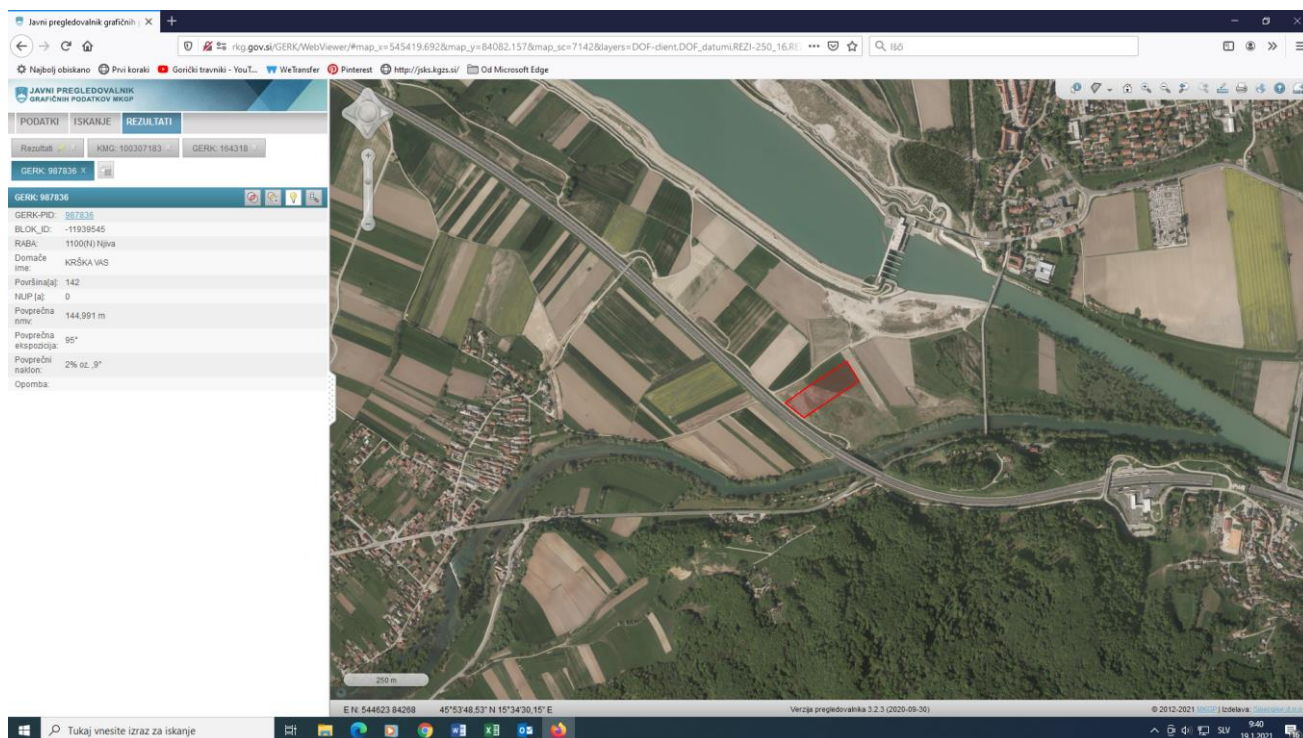
Profile 1, June 2017

Photos on this page are from the Expertise about restoration of arable land on the territory of a temporary dumping area in Krška vas.

Author: University of Ljubljana, Biotechnical Faculty, Agronomy Department, Chair of Soil Science and Environmental protection

Number of the GERK – 987836, k.o. Krška vas

Ortophoto from **April 2018** (Land parcel identification system-LPIS, web viewer <http://rkg.gov.si/GERK/WebViewer>)



September 2018, mulching Biodiversity mixture,

which was over 2 m high

([Biodiversitetsgemenge](#), https://www.camena-samen.de/liste_2021.pdf, 23 varieties of plants: look at description in catalogue page 61)

Link for the video [mulching in September 2018](#) (25 sec.)



Ripping + sowing and spraying biodynamic preparations in Sept. 2018

(the same procedure also in April 2018, Maj 2019 and in September 2019)

Link for video [ripping](#) (video 20 sec.)

Link for video [spraying BD preparations](#) (video 20 sec.)



Ripping with subsoiler 30 cm deep (the shape of tines is very important), speed max 5 km/hour



As this plot is only 1,4 hectare big and 12 kilometres away from our farm, there was no need to use a tractor, because spraying by hand takes 20 minutes work. For bigger land parcels of course tractor implements with working width 16 m are available.

28th May 2019, mulching winter mixture, which was 2 m high
([Wintergrün](https://www.camena-samen.de/liste_2021.pdf), https://www.camena-samen.de/liste_2021.pdf, 7 varieties of plants: look at description in catalogue page 62)

Link for the video (12 sec): [mulching in May 2019](#)





Mulching winter mixture

April 2020, grass clover mixture, sowed in September 2019



June 2020: 1.cut



1. Cut: nineteen (19) bales of hay are from this 1.4-hectare big plot in Krška vas

September 2020: mulching 3.cut

Link for the video [mulching the grass leguminous mixture](#) (2 min)



January 2021



All Photos and Videos: Primož and Zvone Černelič

The soil analyzes show

June 2017: 2.6% organic matter (W&B), 0,7P₂O₅ and 7.9 K₂O (mg/100g).

January 2021: 5.18 % organic matter (W&B), 2.8 P₂O₅ and 15.9 K₂O (mg/100g).

Zvone Černelič and
Vesna Čuček, Head of Agriculture Advisory Service, Chamber of Agriculture and Forestry of
Slovenia, Agriculture and Forestry Institute Celje