Gaining access to geocaching data through an open-source tool (GSAK).

Edgars Jūrmalis, Zane Lībiete Latvian State Forest Research Institute "SILAVA" 28.05.2025





Intro

- Geocaching can provide versatile data opportunities (spatial, temporal, quantitative, qualitative).
- Reasonably open API and strong community allows for good technical access to data.

GSAK (Geocaching Swiss Army Knife)





GSAK is now Freeware!

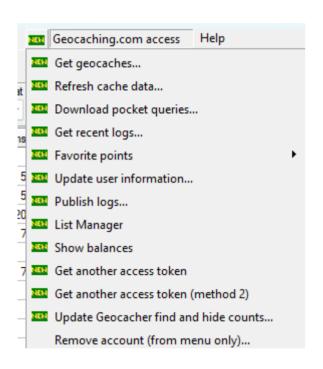
Download here

Note: There will be no new features added to the freeware version. Support will continue (limited time) via volunteers on the forums



Powered by Geocaching HQ

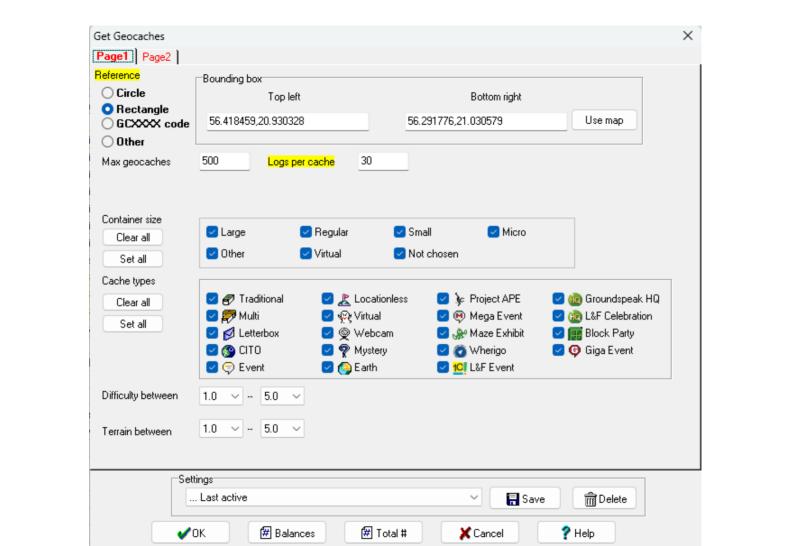
API and access management

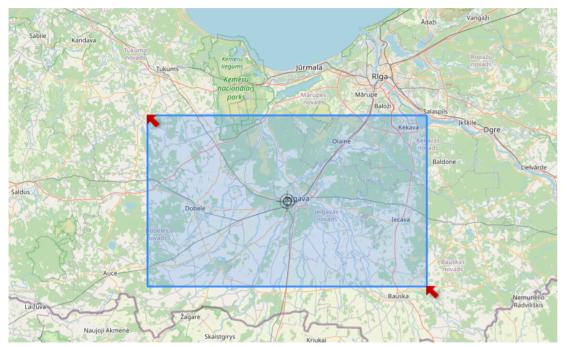


Requires an account from geocaching.com (official provider) – for API key/access. Managed by this app.

Full acess to tool capabilities DOES require a premium geocaching account.

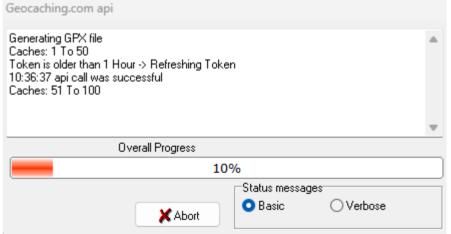
Good news – premium upgrade can be received for free if used for research purposes or area management.





Using easy to use bounding box, we collect geocaching data to the database.

Bounding box can be set to 100km2, due to API limits.



Waypoint Name	Placed By	Я	Placed
Relikts	amis357	177	19.04.2015
Vecais benzintanks	Rudice	137	14.04.2017
??? Zveru kapini/Pet Sematary ???	Team 22.23.	100	02.04.2017
Pontonu tilts	Lüši	97	02.03.2023
Sanatorija "Ogre"	Lüši	91	17.04.2022
Zilo kalnu skatu tornis	kaninsh	77	14.01.2017
Purva takas labirints	Lüši	70	03.04.2023
Ezitis ar Laci piknika.	jurelis	68	18.06.2015
Ekskursija Berzu Aleja / Tour of Berzu Alley	FishHunter04	63	10.08.2021
Ezeralas	opted-out user	47	01.01.2010
Quiz CaChe	UldisLasmani	45	06.08.2010
Circle-Key	Team 22.23.	43	14.02.2021
Akmentini	Rudice	41	22.04.2017
Old Limbaži	KristsT	40	15.05.2017
Kurti	KrystsZ	39	29.07.2020
Lazdukalni	kaspars_837	35	14.08.2013
Spekozolu pargajiens / Poweroak hike	Poweroak	33	12.06.2011
Vienotiba ir speks!	around_the	33	07.01.2017
Kurti Bonuss #2	KrystsZ	33	30.07.2020
Teika par Nicas tautasterpu brunciem	Grickusfamily	33	25.08.2019

Possible to rank and filter by favorite points, placement date (creation date) and other columns.

GCB1CX2 Zinatne Toras un Ages upju krastos

Type: Multi | Size: Small | Difficulty: By: shevijs @ (Found=14708 Hidden=113, as of 03.02.2025) | Hide Date: 17.12.2024 | Status: Available

Country: Latvia

Coordinates: N57° 24.207 E24° 32.819 | Last updated: 08.01.2025 | Fav points: 1



[LV] Lai uzlabotu virszemes udens stavokli Latvija, kopš 2020. gada tiek realizets Life Goodwater IP projekts, Projekta aktivitates tiek jeviestas 6 upes un 3 ezeros, viena no tam ir Age un tas sateces baseins. Ši slepna ietvaros aicinu apmeklet vairakas no šim vietam un uzzinat par realizetajiem zilas un zalas infrastrukturas pasakumiem daba.

Kopejais maršruts (secigi apmeklejot punktus) varetu but ap15 km un vismaz 2 km ar kajam. Nem vera! Lielako dalu gada (iznemot kartigu ziemu vai sausu vasaras periodu) Tev noderes udens necaurlaidigi apavi, savukart vasara - nosledzoša apgerba apakšeja dala, jo vegetacija upmalas var but loti nejauka. Ka ari - slepna apkartne vietam var but slikts interneta parklajums.





Driving Directions

Loas

6 Logs: 4 7 1 1 1

😃 27.12.2024 By airavs (Found=18671 Hidden=41, as of 03.02.2025) Bija interesanti te pabradaties. Pati ta infrastruktura, iznemot A, tada švaka un aiz astes pievilkta. It ipaši vieta, kas saucas "struklaka". Bet ko gan es no meža lietam saprotu. Pa veco dzelzcelu braukt nevajag, it ipaši vieta, kur tas škerso Toras upi, tur šobrid ir pamatigas dublu vannas. Pats brinos, ka beritis tika ar to visu gala un izspruku bez traktora meklešanas. Paldies.

Photo

Photo

Photo

25.12.2024 By tolx (Found=2785 Hidden=0, as of 19.05.2025) FITW kaamiitis, Laikam TTF, 25.12.2024, 16:38 Šis ir ciets favorits - dubli, udeni un mežs. Daži punkti ir nemami ar auto, neizkapjot, citur tikmer ir bridiens un žlerkt. Bet notejkti lahak ka yasara. Pedejo vertihu nanemam jau kresla, het

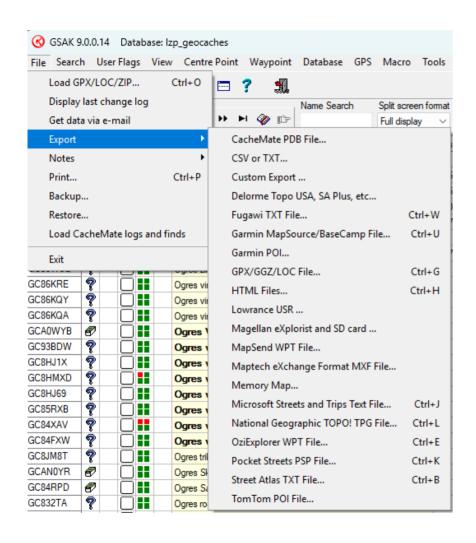
EN: The cache is a film container with a guest book + a small gift for the FTF! BYOP! The tower is very popular among turists during the summer time! Please, watch out for muglers!

The 30m high tower was opened in 2013 and is located in Ogre Blue Hills nature park, not far from Dubkalnu sandpit. To the tower can be reached through the Blue Hills trails, or wooden stairs. The observation platform offers a very wide view up to Kegums HPP reservoir and Riga towers.

This was an unplanned geocache - placed while collecting the values ??for the multicache <u>Ogres Zilie kalni</u> and submited for review from a phone while in a car on the way to the next nearby cache together with P.Plostnieks and Kamelota! Thanks for the inspiration!

See <u>here</u> for my other geocaches





We can export one or all geocache data entries to various formats.

.csv or .gpx could be most popular options to further analyze data (in GIS).

Possible to extract each geocache as an HTML to analyze logs (comments) in that way.

```
님 geocache_2025_LZP.txt 🗵
```

2

3

"GC8N1FX", "Traditional Cache", "", "", "FFNF", "", "Miera Osta", "1691, 61", "NE", "AK 2", "20.03.2020", "02.02.2025", "22.09.20 "GC8P1AV", "Traditional Cache", "", "FFFF", "", "Berkavas muižas atminas", "1692, 63", "NE", "Cibixs", "10.04.2020", "02.02. "GC8P1KC", "Traditional Cache", "", "FFFF", "", "Berkavas dzirnavas atminas", "1692, 73", "NE", "Cibixs", "10.04.2020", "02. 9 10 "GC8YFRF", "Traditional Cache", "", "", "FFFF", "", "Spooky??", "1693.03", "NE", "Latvietis10", "17.08.2020", "02.02.2025", "28. "GC91CZF", "Traditional Cache", "", "", "FFFF", "", "''Slepošanas trase''", "1692, 05", "NE", "AlexDoo", "15.10.2020", "02.02.20 11 "GC993E1", "Traditional Cache", "", "FFFF", "", "Piemineklis", "1696, 27", "NE", "Ch K", "10.04.2021", "02.02.2025", "27.01.2 12 "GC999EN", "Traditional Cache", "", "", "NNNN", "", "IKŠKILES EVANGELISKI LUTERISKA BAZNICA", "1691, 49", "NE", "Ch K", "12.04. 13 "GC9DR03", "Traditional Cache", "", "", "FFFF", "", "Straumvirze", "1696, 80", "NE", "Rudice", "11.07.2021", "02.02.2025", "18.01 14 "GC9M27T", "Traditional Cache", "", "", "FFFF", "", "Ogre - Maza Jugla #1", "1699, 76", "NE", "KrystsZ", "30.12.2021", "02.02.20 1.5 16 "GC9M29R", "Traditional Cache", "", "", "FFFF", "", "Ogre - Maza Jugla #2", "1701, 09", "NE", "KrystsZ", "30.12.2021", "02.02.20 17 "GC9M2AG", "Traditional Cache", "", "", "FFFF", "", "Ogre - Maza Jugla #3", "1701, 29", "NE", "KrystsZ", "30.12.2021", "02.02.20 18 "GC9ND4R", "Traditional Cache", "", "", "FFFF", "", "Urga - Kur sakas pludi/Where the floods started", "1698, 76", "NE", "TSC 19 "GC9RF3N", "Traditional Cache", "", "", "FFFF", "", "Sanatorija Ogre", "1696, 04", "NE", "Lüši", "17.04.2022", "02.02.2025", "05. 20 "GC9WFVB", "Traditional Cache", "", "", "FFFF", "", "Ogres Rajona slimnica", "1698, 15", "NE", "Microsoftiser", "26,06,2022", "0 21 "GCAOWYB", "Traditional Cache", "", "", "FFFF", "", "Ogres Vecupe", "1695, 83", "NE", "Microsoftiser & KSD", "13.10.2022", "02.0 22 "GCA5FWG", "Traditional Cache", "", "", "FFFF", "", "Pontonu tilts", "1697, 96", "NE", "Lüši", "02.03.2023", "02.02.2025", "11.01 "GCA6QKH", "Traditional Cache", "", "", "FFFF", "", "Purva takas labirints", "1698, 90", "NE", "Lüši", "03.04.2023", "02.02.2025 23 24 "GCA9252", "Traditional Cache", "", "", "FFFF", "", "Ogres Motokross", "1697, 75", "NE", "bubertsruberts", "22.05.2023", "02.02. 25 "GCANOYR", "Traditional Cache", "", "", "FFFF", "", "Ogres Skvers [BYOP]", "1697, 23", "NE", "wucens", "17.03.2024", "02.02.2025 26 "GCBOMRG", "Traditional Cache", "", "", "FFFF", "", "Melna varde", "1697, 59", "NE", "ICatchGeoCache", "23.11.2024", "02.02.2025 27 "GC35A5J", "Traditional Cache", "", "", "FFFF", "", "Baltic AGRO", "1646, 08", "NE", "SeeneBMX", "03.10.2011", "02.02.2025", "25. 28 "GC36XPA", "Traditional Cache", "", "", "NNFF", "", "Jelgavas dzivnieks", "1645, 31", "NE", "kunilingus", "30.10.2011", "02.02.2 "GC5PXOW", "Traditional Cache", "", "", "XFFF", "", "Polypore", "1643, 26", "NE", "andrja21", "22.03.2015", "02.02.2025", "03.12. 29 30 "GC766QX", "Traditional Cache", "", "", "NNNN", "", "Svetbirzs", "1642, 36", "NE", "Holenderi", "26.05.2017", "02.02.2025", "18.0 "GC8XK3Z", "Traditional Cache", "", "", "FFFF", "", "#OGT 5, Tilts par Iecavu", "1646, 40", "NE", "EdgarsE", "31.07.2020", "02.0 31 32 "GC97XAZ", "Traditional Cache", "", "", "FFFF", "", "Ozolnieku TB and GC hotel", "1646, 10", "NE", "enrikoo, nezinams3, ivetam "GC1RDAK", "Traditional Cache", "", "", "FFFF", "", "Pusenu kapa", "1469, 35", "NE", "Realrolis, Rihards Š., Ramsiks", "16.05.2 33

"GC2WRZ7", "Traditional Cache", "", "FNFF", "", "JUB59", "1689, 26", "NE", "araajs, dzhaidzhai, aradamad, groo boo, ferrar

"GC62K3J", "Traditional Cache", "", "", "FNFF", "", "Indranu udenstorni", "1698, 60", "NE", "zz-zubris", "30.08.2015", "02.02.2 "GC6RNF1", "Traditional Cache", "", "", "FFNF", "", "Sirds uz perona. Ogre", "1697, 07", "NE", "Rudice, Guna Juris", "08.09.201

"GC6Z8VE", "Traditional Cache", "", "", "FFFF", "", "Zilo kalnu skatu tornis", "1695, 24", "NE", "kaninsh", "14.01.2017", "02.02 "GC84RPD", "Traditional Cache", "", "", "FFFF", "", "Ogres Sala (TB hotel)", "1696, 65", "NE", "DodgeRendijs", "15.03.2019", "02 "GC8J6WF", "Traditional Cache", "", "", "FFFF", "", "Karaviru kapi KAPARAMURI II", "1691, 71", "NE", "eldars", "15.01.2020", "02

