



# GSAK – Introduction

(Geocaching Swiss Army Knife)



v8.0.1

by Rich Bianchi aka Cache U Nuts



# What is GSAK?

- Offline database program for Windows tailored to geocaching
- Single developer – Clyde England from Australia
- Uses SQLite database engine (most widely deployed worldwide)
- Support for multiple databases and views
- Extensive filtering, sorting, and searching capabilities
- Displays waypoints using Google Maps
- GPS and PDA (CacheMate support) device input and output
- Export to various mapping programs
- Highly configurable
- Extendable through powerful macros
- Excellent support from GSAK developer and community via Forum
- \$30 per user license (can be installed on multiple computers)
- Try unrestricted before buying for up to 21 days (then nag screen)



# Offline vs. Online Database

|                             | Online                 | Offline                 |
|-----------------------------|------------------------|-------------------------|
| How many caches?            | All                    | As many as you load     |
| How many logs per cache?    | All                    | As many as you load     |
| How current is information? | Always current         | Current as of last load |
| Internet access needed?     | Yes                    | Only for Google Maps    |
| Premium membership?         | No                     | Yes                     |
| Additional waypoints?       | Owner defined only     | Owner and user defined  |
| Corrected coordinates?      | Owner and user defined | Owner and user defined  |
| Select caches by criteria?  | Limited support        | Extensive support       |
| Polygon selection?          | No                     | Yes                     |
| Track First to Finds?       | No                     | Yes                     |
| County information?         | No                     | Yes                     |
| Customize GPS info?         | No                     | Yes                     |
| Generate find stats?        | Limited                | Extensive (using macro) |

# Installing GSAK

<http://gsak.net>

**GSAK (Geocaching Swiss Army Knife)**

[Home](#) [Order](#) [Forum](#) [Members](#) [Google Map](#) [FAQ](#) [Macros](#) [Help](#)



GSAK is the all in one Geocaching and waypoint management tool. Major features include: Multiple databases, sending/receiving waypoints to GPSr, Google maps, conversion to many mapping formats, PDA output (including CacheMate support), HTML output, extensive searching, macro support, backup and restore, distance/direction from other waypoints (including caches, locations, post codes) and much more. GSAK only runs on Windows operating systems (2000, XP, Vista, Windows 7)

For a more complete feature set please click [here](#).  
For a screen shot of GSAK click [here](#)

GSAK is **FREE** to download and use, but after 21 days of unrestricted use you get a nag screen. You can keep using GSAK after the 21 days, but if you want to remove the nag screen you will need to register the program ( *Note: PayPal will now accept credit cards directly - you DONT have to set up a PayPal account.* ). To register GSAK or see the benefits of registration click [here](#)

Need help? GSAK has its own support forum. Go here <http://support.gsak.net>

There is also a GSAK 101 getting started guide that you can download from [here](#)

**NEW** 9th November, 2011 - Version 8.0.0 (using Geocaching.com "live" api) is now ready for download. **Note:** Version 8 is a chargeable upgrade for V7 registered users - for more information see [here](#)

[Download version 8.0.0](#) (7.5mb) or if busy or slow try [here](#). Please see the [version history](#) for a list of changes.

For Version 7 users that do not wish to upgrade to V8 you can download the latest V7 (7.7.4.36) [here](#).

**Unsolicited user testimonial:**

I used to use a clunky assortment of g7toWin, GPSBabel, Utopia, CacheMateConvert, and a host of other little scripts in combination with my standard map applications like MapQuest, Streets & Trips, etc. I am pleased to inform you that after I put your product through its paces for a couple months, I now use only one application for manipulating and storing waypoint & geocache data: GSAK. This is the best piece of GPS waypoint management software I've ever purchased. It is also the greatest value. The features of GSAK are excellent, the interoperability with other applications is excellent and your responsiveness to requests is excellent. Thank you very much for your fine work. I declare myself a very satisfied customer.

Sincerely,  
Danyl Hinz



Under the covers GSAK uses GPSBabel [GPSBabel](#) and is powered by the Geocaching.com live api



Copyright 2004-2011 CWE Computer Services  
[Privacy Policy](#) [Contact](#)

# Installing GSAK – Latest Patch

<http://gsak.net/board/...>

**GSAK FORUM**  
Geocaching Swiss Army Knife

Logged in as: [Cache U Nuts](#) ( [Log Out](#) )

[GSAK](#) -> [Support](#) -> [General](#)

Pages: (7) [1](#) [2](#) [3](#) ... [Last](#) =>

| Topic Title   | Topic Starter             | Replies | Views | Last Action   |
|---|---------------------------|---------|-------|---|
| <b>Pinned: 8.0.1 updates</b>  | <a href="#">chode</a>     | 0       | 829   | November 12, 2011<br>Last Post by: <a href="#">chode</a>  |
| <b>Pinned: 7.7.4 updates</b> (Pages <a href="#">1</a> , <a href="#">2</a> )   | <a href="#">chode</a>     | 21      | 47161 | October 14, 2011<br>Last Post by: <a href="#">chode</a>   |
| <b>Pinned: Version 7 help file issues/typo/bugs</b> (Pages <a href="#">1</a> , <a href="#">2</a> , <a href="#">3</a> , ..., <a href="#">16</a> )<br>here's a place to list help file errors | <a href="#">hunc</a>      | 304     | 19057 | August 04, 2011<br>Last Post by: <a href="#">mr.mates</a> |
| <b>Pinned: GSAK Forum BB codes</b><br>Custom formatting options in GSAK forum   | <a href="#">lonumaska</a> | 3       | 551   | March 06, 2011<br>Last Post by: <a href="#">lonumaska</a> |
| <b>Pinned: Getting Help</b><br>As quickly and easily as possible  | <a href="#">Kai Team</a>  | 0       | 3348  | August 08, 2007<br>Last Post by: <a href="#">Kai Team</a> |

**chode** Posted: November 12, 2011 10:17 pm

**Build 10 (patch)** **Note:** You **must** have installed 8.0.0 Build 133 (V8 final from <http://gsak.net>) at least once before installing this update.

1. Corrected coordinates now allows the state to be blank ([more info](#))
2. Added warning to get caches if distance is > 50kms ([more info](#))
3. Fixed crash in publish logs when fetching from GPSr or File that contains waymarks ([more info](#))
4. Api load settings now shows "exit" rather than "cancel" ([more info](#))
5. Fixed problem with "Found it" logs for event caches incorrectly being converted to "Will attend" instead of "Attended" ([more info](#))
6. Attempt to fix problem of trying to delete read only files in the GSAK temp folder ([more info](#))
7. Fixed a problem with get geocaches when user name contains a & ([more info](#))
8. Right click "delete waypoint" now defaults to this waypoint only ([more info](#))

Download here <http://gsak.net/GSAK801B10.exe>

1 User(s) are reading this topic (0 Guests and 0 Anonymous Users)  
1 Members: [Cache U Nuts](#)



# Screen Elements

The screenshot shows the GSAK 7.7.3.44 software interface. The window title is "GSAK 7.7.3.44 DataBase: Default". The menu bar includes File, Search, User Flags, View, Centre Point, Waypoint, Database, GPS, Macro, Tools, and Help. The toolbar contains icons for file operations, search, and navigation. Below the toolbar is a control bar with fields for "Lock First Column", "Code Search", "Name Search", "Split screen format" (set to "Full display"), "Select a saved filter" (set to "NONE"), "Database" (set to "Default"), "Locations" (set to ".Not active"), and "Views" (set to "Default").

The main area is a large white space labeled "Grid Area". Below it is a status bar with the text "Subset: None", "0 Shown (all waypoints)", "Centre point = Greenwich meridian", and "Counts: 0 0 0 0".

The bottom section is labeled "Split Screen Area" and contains the text "Nothing to display!".

Red arrows point from labels to specific elements: "Title Bar" points to the window title bar; "Menu Bar" points to the menu bar; "Tool Bar" points to the toolbar; "Search Bar" points to the "Name Search" field; "Status Bar" points to the status bar; and "Splitter Bar" points to the vertical line between the status bar and the split screen area.

**Title Bar**

**Menu Bar**

**Tool Bar**

**Search Bar**

**Grid Area**

**Status Bar**

**Splitter Bar**

**Split Screen Area**

# GC.com Member ID and GPX Version

<http://www.geocaching.com/account/default.aspx>

**Your Profile** [Edit](#) | [Change Password](#)

**Username:** Cache U Nuts

**Member ID:** 373850

**Full Name:\*** Richard Bianchi

**Address:\***

**Occupation:** Software Engineer

**Location:** Bradenton, FL

**Forum Title:** Premium Member

**Signature:** [Review Forum Signature](#)

\*This information is not public

**Your Preferences** [Change](#)

**Language:** English

**Time Zone:** Eastern : Eastern Time (U.S. & Canada)  
Show Daylight Savings Time

**Display Units:** Use Imperial Units

**Instant Message:** None Specified

**Friend Requests:** Allow Friend Requests

**GPX Version:** GPX 1.0.1

Must be set to GPX 1.0.1 to get Attribute information

# Initial Configuration – General

The screenshot shows the 'Options' dialog box with the 'General' tab selected. The dialog is titled 'Options' and has a close button (X) in the top right corner. The tabs are: General, HTML, Locations, Display, Abbreviations, Keyboard shortcuts, and Advanced.

**General Tab Settings:**

- Default action when you double click on a waypoint:** Show offline in browser
- Method for matching placed (hidden) and found caches:** Exact match, Wild card match, Owner ID# (selected), RegEx. The input field contains '373850'.
- Application data:** C:\Documents and Settings\Rich\Application Data\GS
- Database Folder:** C:\Documents and Settings\Rich\Application Data\GS
- User Sort:** Current Value: 0, Increment By: 10
- Checkboxes:**
  - Automatically sort by distance after setting a centre point
  - Move to first waypoint after column sequence change
  - Show tips at start up
  - Suppress "Customize" popup hint
  - Automatically size status bar to fit
  - Name/code search beep rather than zero records message
  - Suppress "Finished OK" messages

**Status Attributes Table:**

|                      | Colour | Priority |
|----------------------|--------|----------|
| Unavailable/Archived | Pink   | 3        |
| Placed               | Lime   | 2        |
| Found                | Yellow | 1        |
| Not found            | White  | 4        |

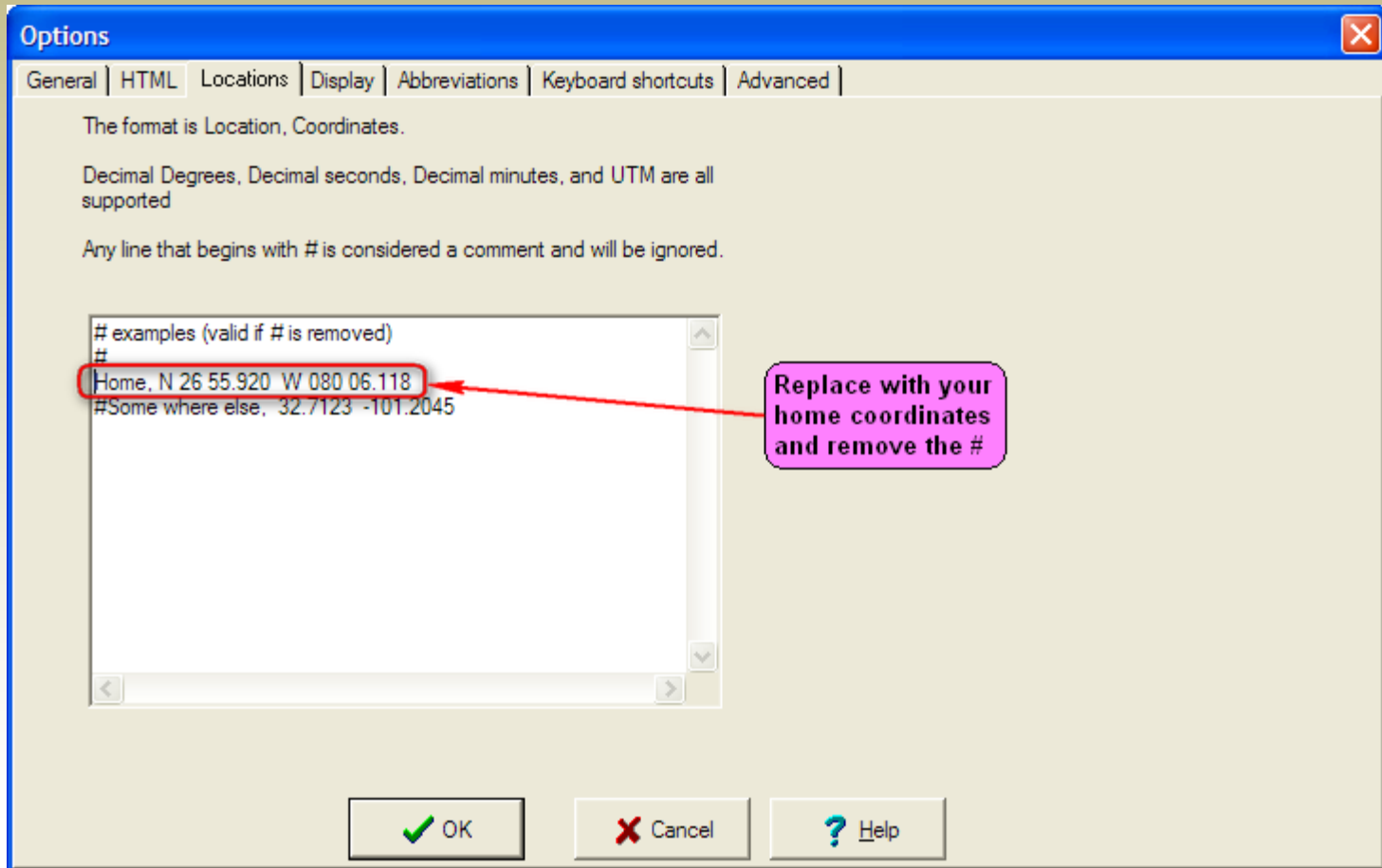
**Other Settings:**

- Distance calculation:** Miles (selected), Kilometres
- Calendar Start Day:** Sun
- Date Format:** MM/dd/yy
- Automatic Backup:** Enable (checked), Prompt (checked), Include images (unchecked), Frequency: 1. Path: C:\Documents and Settings\Rich\Application Data\GS
- Sort column colour:** Yellow, Active row: Cyan
- Userflag line color:** White
- Smart Name:** Drop words: the,this;a,is; Length: 8; Keep chars: (empty)
- Conversions:** (empty)

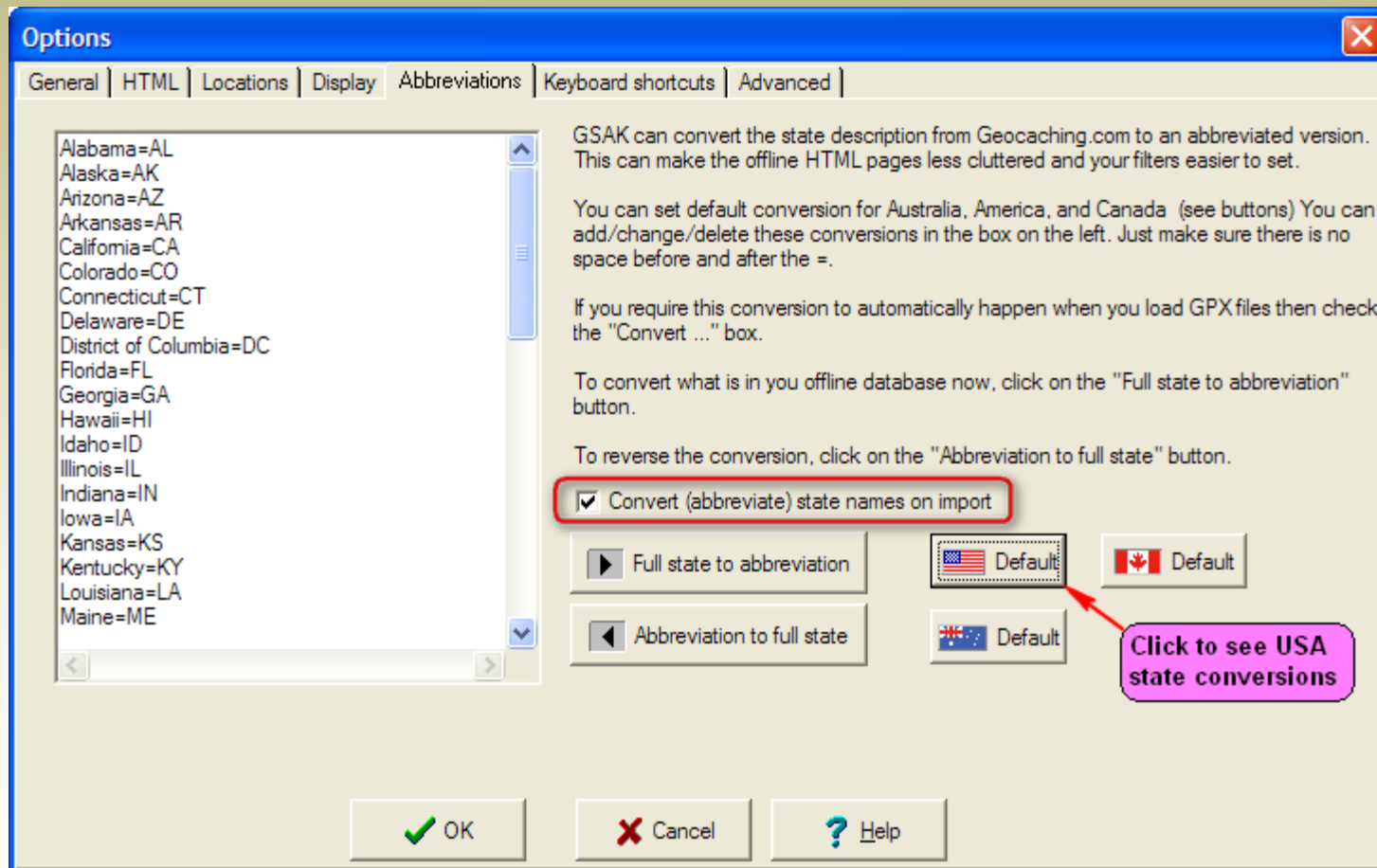
Buttons at the bottom: OK, Cancel, Help.



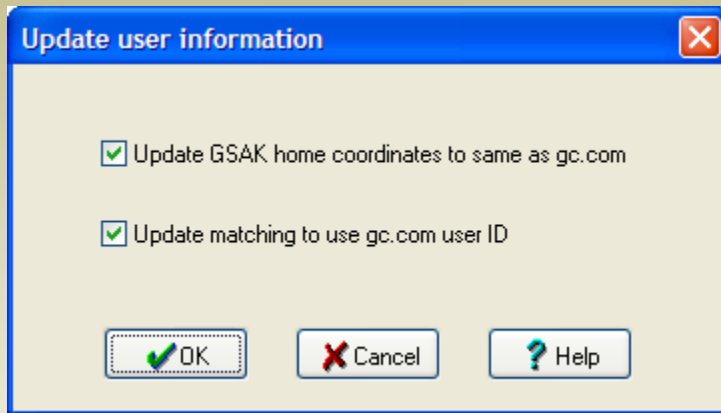
# Initial Configuration – Locations



# Initial Configuration – Abbreviations



# Update User Information



Update user information

Update GSAK home coordinates to same as gc.com

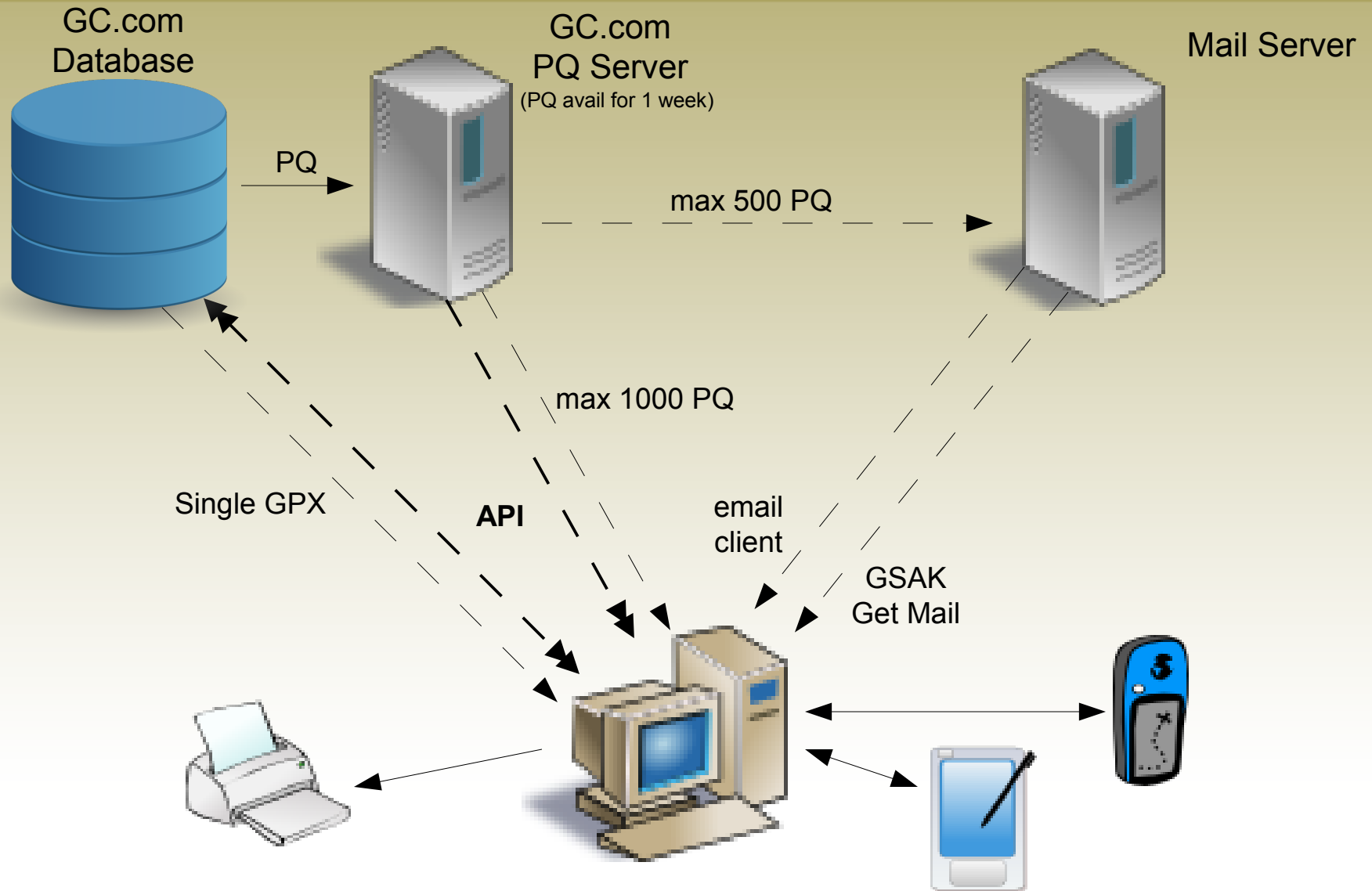
Update matching to use gc.com user ID

OK Cancel Help

| uType     | uKey                | uData   |
|-----------|---------------------|---|
| General   | FindCount           | 247   |
| General   | HideCount           | 7   |
| General   | UserId              | 152554  |
| General   | UserName            | ClydeE  |
| General   | PublicGuid          | b5601b17-3258-40b6-88ee-0dfc53bd3fef  |
| General   | HomeLat             | -32.432217  |
| General   | HomeLon             | 115.76757100000002  |
| General   | MemberType          | Premium   |
| Profile   | ForumTitle          | GSAK Slave  |
| Profile   | LastVisit           | 2011-04-25T19:25:59   |
| Profile   | Location            | Western Australia   |
| Profile   | MemberSince         | 2003-08-21T06:38:18.107   |
| Profile   | Occupation          |   |
| Profile   | PhotoDescription    |   |
| Profile   | PhotoName           | Happy Hound   |
| Profile   | PhotoUrl            | <a href="http://img.geocaching.com/user/152554_700.JPG">http://img.geocaching.com/user/152554_700.JPG</a> |
| Favorites | DistinctFinds       | 0   |
| Favorites | PercentComplete     | 70  |
| Favorites | PointsAvailable     | 25  |
| Favorites | TotalPoints         | 25  |
| Favorites | TotalUntilNextPoint | 3   |

Regardless if these boxes are checked or not, GSAK also updates the table "UserInfo" in the database gsak.db3

# Architecture and Work-flow





# Pocket Query Types

- Individual GPX – single cache, on-demand
- Standard PQ – caches in a wide area, scheduled
- Bookmark PQ – user-defined set of caches, scheduled
- User Route PQ – caches within a user defined corridor, scheduled
- My Finds PQ – all your found caches, on-demand

|                   | Individual GPX | Standard PQ               | Bookmark PQ | User Route PQ | My Finds PQ |
|-------------------|----------------|---------------------------|-------------|---------------|-------------|
| Cache Limit       | 1              | 500 / 1000                | 500 / 1000  | 500 / 1000    | No limit    |
| Archived Included | Yes            | No                        | Yes         | No            | Yes         |
| Number of Logs    | 20 + own       | 5 + own                   | 5 + own     | 5 + own       | Only own    |
| Minimum Interval  | Unlimited      | 5 per day (24 hour basis) |             |               | 3 days      |
| Saved PQs         | N/A            | Up To 40                  |             |               | N/A         |



# Standard PQs – Cache Selection Criteria

- Cache Type
- Container
- Difficulty Rating
- Terrain Rating
- Geographic Area – Within a Political Boundary
  - Country
  - State / Province
- Geographic Area – Within Radius of an Origin
  - Home Coordinates
  - Specified Cache
  - Specified Postal Code
  - Specified Coordinates
- Placed Date
- Misc – Active, Not Found, Recently Found, etc.



# PQs – Using “Date Placed” Ranges

It takes some trial and error to ‘dial it in’... Around 990 is best!

- From May 3, 2000 to Jul 1, 2010

Thanks! Your pocket query has been modified and currently results in **1000** caches.

Query Name: I-75 and SR70 25 mi radius - Fri A **Too Many**

- From May 3, 2000 to Jun 1, 2010

Thanks! Your pocket query has been modified and currently results in **979** caches.

Query Name: I-75 and SR70 25 mi radius - Fri A **Too Few**

- From May 3, 2000 to Jun 20, 2010

Thanks! Your pocket query has been modified and currently results in **991** caches.

Query Name: I-75 and SR70 25 mi radius - Fri A **Just Right**

The next PQ should start on Jun 21, 2010...  
Be sure to copy the PQ by clicking on the ⚡ icon

# Load Pocket Query

The screenshot shows the GSAK 7.7.3.44 application window with the 'Load GPX/LOC/ZIP File' dialog box open. The dialog box contains the following elements:

- File Path:** A text box containing 'C:\Documents and Settings\All Users\Documents\GPS\VQ' with a 'Find' button to its right.
- File types to load:** A section with three checked checkboxes: 'GPX', 'LOC', and 'ZIP'.
- Database:** A dropdown menu set to 'Default'.
- Load options:** A section with a 'File type' dropdown set to 'GPX/LOC (including inside zip)' and an unchecked checkbox labeled 'Use defaults'.
- Database update options:** Radio buttons for 'Newer only', 'Always' (selected), 'Existing Only', and 'Add Only'.
- How to handle the "additional" Geocaching.com waypoints:** Radio buttons for 'Exclude', 'As normal waypoint', and 'As child waypoint' (selected).
- Clear database before loading:** An unchecked checkbox with a warning: 'Warning: this will erase old data!'.
- Found status update options (see help):** Radio buttons for 'Always' (selected), 'Found Only', and 'Never'.
- Delete file(s) when finished:** A checked checkbox with 'Yes' selected.
- Keep current cache focus:** A checked checkbox with 'Yes' selected.
- User Flag:** Three unchecked checkboxes: 'Set user flag', 'If matched, ONLY update user flag', and 'Clear all user flags first'.
- Load type:** Radio buttons for 'Load file(s)' and 'Folder' (selected).
- Decode HTML entities:** A checked checkbox.
- Found Symbol:** A text box containing 'Geocache Found'.
- Update symbol:** A checked checkbox.
- County update:** A text box containing 'YB'.
- State update:** An empty text box.
- Lock fields:** A dropdown menu.
- Settings:** A dropdown menu set to '... Last active', a 'Save' button, and a 'Delete' button.
- Buttons:** 'OK', 'Cancel', and 'Help' buttons at the bottom.

Annotations in pink callouts point to specific elements:

- 'Click to Load GPX/LOC/ZIP File' points to the 'Load GPX/LOC/ZIP File' icon in the main application toolbar.
- 'Uncheck to override defaults' points to the 'Use defaults' checkbox.
- 'Save settings so you can easily recall them in the future' points to the 'Save' button in the 'Settings' section.

The main application window shows a menu bar (File, Search, User Flags, View, Centre Point, Waypoint, Database, GPS, Macro, Tools, Help), a toolbar, and a status bar at the bottom with 'Subset: None' and 'Nothing to display!'.





# Pocket Query Load Summary

| Totals  |      |
|---|------|
| Waypoints in file(s) loaded                     | 1111 |
| Existing Waypoints updated in GSAK              | 109  |
| Waypoints already up to date in GSAK            | 1002 |
| <a href="#">Show full change log</a>            |      |
| Waypoints in each file                          |      |
| 973526.gpx (I-75 and SR70 25 mi radius - Thu A) | 987  |
| 973542.gpx (I-75 and SR70 25 mi radius - Thu B) | 124  |
| 973526-wpts.gpx (children)                      | 101  |
| 973542-wpts.gpx (children)                      | 5    |

Total # of caches that were updated (new/changed logs, descriptions, coordinates, etc.)

Total # of caches in all files

Number of caches in each file

**WARNING:**  
If any GPX file has 1000 caches you will need to adjust its PQ.

# Download Pocket Queries – Basic tab

**Download Pocket Queries**

Basic | Advanced

| <input type="checkbox"/> | Name                                | Date/Time ↑         | Bytes   | Records | Days left |
|--------------------------|-------------------------------------|---------------------|---------|---------|-----------|
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Fri A | 2011-11-18T00:26:32 | 1049939 | 881     | 6         |
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Fri B | 2011-11-18T00:26:32 | 425277  | 471     | 6         |
| <input type="checkbox"/> | FL Events                           | 2011-11-18T00:24:59 | 113117  | 56      | 6         |
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Thu A | 2011-11-17T00:26:48 | 1049926 | 881     | 5         |
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Thu B | 2011-11-17T00:26:39 | 423497  | 472     | 5         |
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Wed A | 2011-11-16T00:22:54 | 1051154 | 882     | 4         |
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Wed B | 2011-11-16T00:22:16 | 423405  | 472     | 4         |
| <input type="checkbox"/> | FL Unknown - Tue A                  | 2011-11-15T00:23:26 | 1735592 | 908     | 3         |
| <input type="checkbox"/> | FL Unknown - Tue B                  | 2011-11-15T00:23:26 | 1310559 | 818     | 3         |
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Mon B | 2011-11-14T00:23:05 | 421406  | 471     | 2         |
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Mon A | 2011-11-14T00:22:34 | 1053662 | 882     | 2         |
| <input type="checkbox"/> | I-75 and SR.70 25 mi radius - Sun A | 2011-11-13T00:18:51 | 1054399 | 882     | 1         |

Find next Find previous Highlight Match case

PQ download folder C:\Documents and Settings\All Users\Documents\GPS\PQ Auto size columns

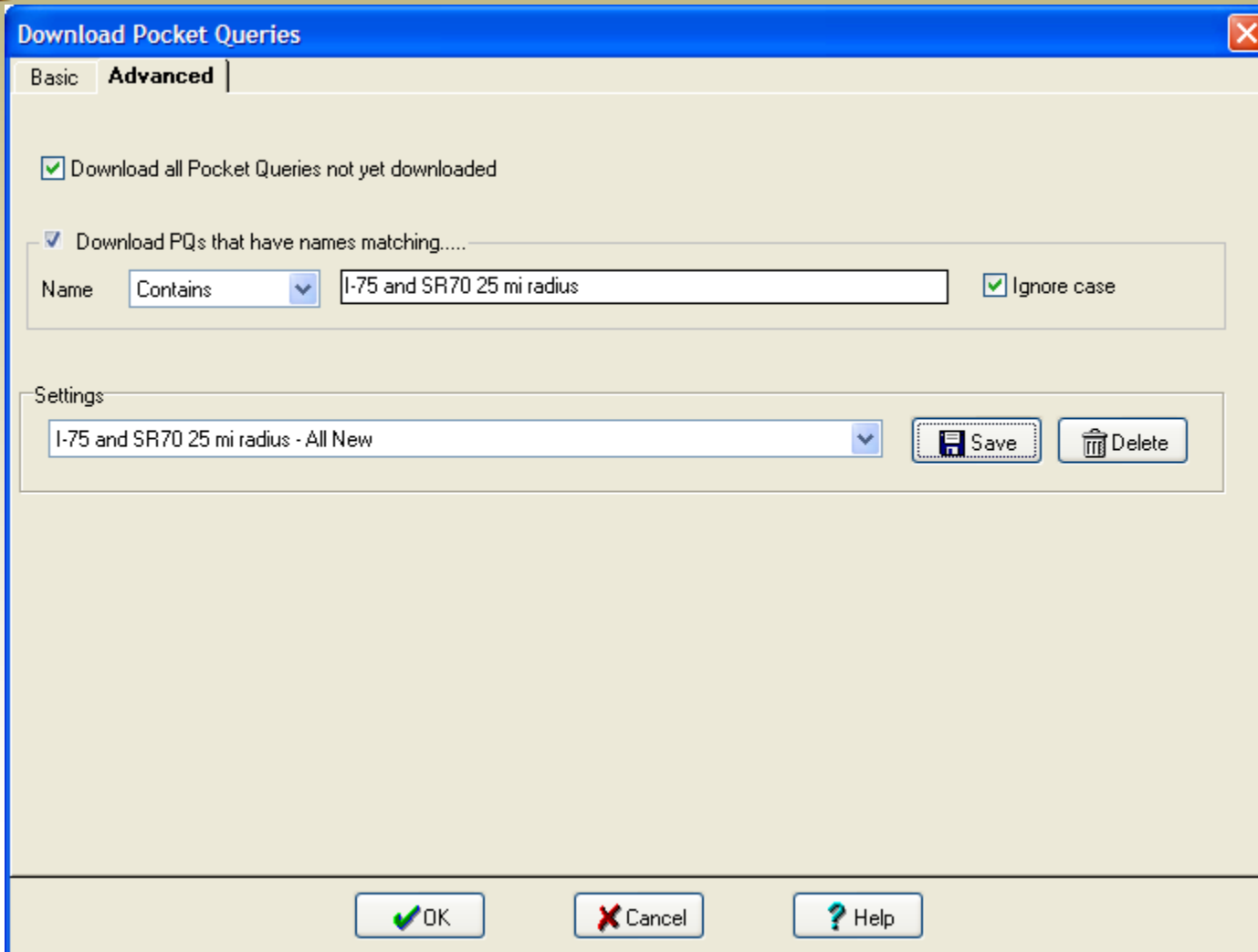
Run GPX load after download

Settings Load All in PQ Folder then Delete Settings dialog

OK Cancel Help

- Grid shows all PQs that have run in the last week and are available for download
- PQs that have already been downloaded have Date/Time highlighted
- They can optionally be loaded into database after download using specified GPX Load settings

# Download Pocket Queries – Advanced tab



The screenshot shows a dialog box titled "Download Pocket Queries" with a blue title bar and a close button (X) in the top right corner. The dialog has two tabs: "Basic" and "Advanced", with "Advanced" selected. The "Advanced" tab contains the following elements:

- A checked checkbox labeled "Download all Pocket Queries not yet downloaded".
- A checked checkbox labeled "Download PQs that have names matching.....".
- A "Name" field with a dropdown menu set to "Contains" and a text input field containing "I-75 and SR70 25 mi radius".
- A checked checkbox labeled "Ignore case".
- A "Settings" section with a dropdown menu showing "I-75 and SR70 25 mi radius - All New".
- Two buttons: "Save" (with a floppy disk icon) and "Delete" (with a trash can icon).

At the bottom of the dialog are three buttons: "OK" (with a green checkmark), "Cancel" (with a red X), and "Help" (with a question mark).

- Instead of manually selecting which PQs to download, you can choose all that have not yet been downloaded
- Additionally, or alternately, you can restrict the selection by PQ Name

# Get Geocaches – Basic tab

**Get Geocaches**

**Basic** | Advanced

Reference

Circle  
 Rectangle  
 GCXXXX code

Center point: I-75 & SR70, N 27 26.475, W 082 27.565

Max Distance: 25 Miles  Feet

Google Map

Max geocaches: 6000 Logs per cache: 30 (Max 30 allowed)

Include:  Found by me  Disabled

Container size

Clear all  
Set all

Large  Regular  Small  Micro  
 Other  Virtual  Not chosen

Cache types

Clear all  
Set all

|   |  |  |   |
|---|--|--|---|
| <input checked="" type="checkbox"/> Traditional | <input checked="" type="checkbox"/> Locationless | <input checked="" type="checkbox"/> Project APE  | <input checked="" type="checkbox"/> Groundspeak HQ  |
| <input checked="" type="checkbox"/> Multi       | <input checked="" type="checkbox"/> Virtual      | <input checked="" type="checkbox"/> Mega Event   | <input checked="" type="checkbox"/> L&F Celebration |
| <input checked="" type="checkbox"/> Letterbox   | <input checked="" type="checkbox"/> Web Cam      | <input checked="" type="checkbox"/> Maze Exhibit |   |
| <input checked="" type="checkbox"/> CITO        | <input checked="" type="checkbox"/> Mystery      | <input checked="" type="checkbox"/> Wherigo      |   |
| <input checked="" type="checkbox"/> Event       | <input checked="" type="checkbox"/> Earth        | <input checked="" type="checkbox"/> L&F Event    |   |

Difficulty between: 1.0 5.0

Terrain between: 1.0 5.0

Settings: ... Last active

Save Delete

OK Balances Cancel Help

- Center Point – enter directly or chose from predefined Locations
- Max Distance – limited to 31 miles currently but will soon be increased to be 124 miles max.
- Bounding box – you can use this *instead of* the circular area (limit on distance between the two points is same as diameter)
- GCXXXX – a maximum of 30 coma-separated GC codes
- Max geocaches to get – limited to 6000 per day for Full format or 10000 for Light format
- Logs per cache – gets *only* the last N logs (unlike a PQ which also includes all of *your* logs)

# Get Geocaches – Google Map Tool

GSAK circle drawing tool

GSAK FORUM GSAK Get Geocaches

Map Satellite

Radius: 25 miles (maximum 31.1 miles)

Return Coordinates Move Circle to Map Center Find Location

Google

- Map can be panned and zoomed just like any Google Map
- Find Location – accepts all methods supported by Google search (town name, post code, etc)
- Center Point can be dragged to new location
- Red arrows can be dragged to change size of enclosed area
- Circle Drawing Tool – red arrow adjusts radius
- Rectangle Drawing Tool – red arrows adjust top left and bottom right
- Return Coordinates – click to return to Basic tab with defined coords

# Get Geocaches – Advanced tab

**Get Geocaches**

Basic **Advanced**

Owned by

Exclude owned by

Not found by

Load settings: Load All in PQ Folder then Delete

Data format:  Full (slower)  Light (quicker)

Favorite points between:

Settings: I-75 and SR70 25 mi radius

- Owned by – up to 5 comma-separated owner names
- Exclude owned by – up to 5 comma-separated cacher names
- Not found by – up to 5 comma-separated cacher names
- Load settings – this is the GPX Load setting
- Full format includes information not currently contained in a GPX file (e.g. Favorite Points and Premium cache indication)
- Light format does not include descriptions or logs

# Main Window

CSAK 8.0.1.11 DataBase: Cache

File Search User Flags View Centre Point Waypoint Database GPS Macro Tools Gocaching.com access Help

GUS GME GM3 FSG FCX ACS AL LL RG RAG FB CB VDB Test SUD SNC LPP LCR F&F

Lock First Code Search Name Search Split screen format Select a saved filter Database Locations Views  
 Column << <<< >>> >> Full display NONE Cache I-75 & SR70 Cache

| Code     | Waypoint Name                   | Owner Name                 | Container | Diff | Test | Mile | Brg | Fav | Placed   | Changed  | Last Log | Last Found | DNF Date | Found by me | Usort | Logs |
|----------|---------------------------------|----------------------------|-----------|------|------|------|-----|-----|----------|----------|----------|------------|----------|-------------|-------|------|
| GCI1M6AE | Silver Bullet                   | infintelMPG                | Micro     | 3.0  | 1.5  | 0.25 | E   | 5   | 01/28/09 | 10/03/11 | 04/08/11 | 04/08/11   |          | 01/28/09    | 1082  | 64   |
| GCN17Y   | A new Cache                     | Team Fishry                | Small     | 1.5  | 1.0  | 0.27 | W   | 0   | 03/07/05 | 11/17/11 | 11/16/11 | 11/16/11   | 04/28/05 | 05/08/05    | 6     | 271  |
| GCT4B4Y  | Dirty Low Down Scoundrel        | infintelMPG                | Regular   | 2.0  | 2.0  | 0.33 | N   | 0   | 07/13/07 | 10/18/11 | 10/09/11 | 10/09/11   |          | 07/15/07    | 571   | 129  |
| GC2-SE5  | HHK 9 Birthday Cache            | HazelhurstKd               | Regular   | 2.5  | 2.5  | 0.34 | NE  | 2   | 05/29/11 | 11/11/11 | 11/10/11 | 11/10/11   |          | 06/04/11    | 2220  | 9    |
| GD46RG   | Trash Cache                     | Lincoln Tiger & Captain Sp | Micro     | 1.0  | 1.0  | 0.36 | W   | 0   | 11/09/03 | 08/28/11 | 10/10/04 | 10/03/04   |          |             | 5     |      |
| GCVBPX   | New Way In, No Way Out          | infintelMPG                | Regular   | 2.0  | 2.0  | 0.37 | W   | 0   | 04/10/06 | 11/04/11 | 11/03/11 | 11/03/11   |          | 07/10/06    | 65    | 151  |
| GCI3TKR  | Conservation Traffic            | infintelMPG                | Micro     | 2.0  | 1.5  | 0.41 | N   | 0   | 06/20/07 | 10/03/11 | 07/29/11 | 02/12/11   |          | 06/22/07    | 533   | 48   |
| GCIJMR   | Leapin' Lizards                 | infintelMPG                | Other     | 1.0  | 1.0  | 0.42 | W   | 0   | 12/10/08 | 10/02/11 | 12/22/08 | 12/12/08   |          | 12/10/08    | 1036  | 51   |
| GCIK1RZ  | Leapin' Lizards - Teil Zwei     | infintelMPG                | Other     | 1.0  | 1.0  | 0.42 | W   | 0   | 01/14/09 | 10/02/11 | 01/18/09 | 01/15/09   |          | 01/14/09    | 1071  | 43   |
| GCTJ6P   | Bealls Will Be Ringing          | infintelMPG                | Micro     | 3.0  | 1.5  | 0.47 | NW  | 5   | 02/21/06 | 10/27/11 | 10/26/11 | 10/26/11   |          | 07/03/06    | 47    | 210  |
| GCYEMF   | Don't HESSitate                 | infintelMPG                | Micro     | 2.0  | 1.5  | 0.51 | SE  | 0   | 09/22/06 | 10/27/11 | 10/26/11 | 10/26/11   |          | 09/22/06    | 206   | 210  |
| GC0AA5   | Rise and Shine                  | infintelMPG                | Small     | 1.0  | 2.0  | 0.52 | NW  | 0   | 07/24/06 | 10/26/11 | 10/24/11 | 10/24/11   |          | 07/24/06    | 77    | 173  |
| GCIJ2HW  | #024 - Trivia...but not trivial | Pfadfinder_FL              | Micro     | 1.0  | 1.5  | 0.56 | W   | 0   | 11/11/08 | 10/27/11 | 10/26/11 | 10/26/11   |          | 11/12/08    | 957   | 128  |
| GC2PKEA  | Frog Lake                       | infintelMPG                | Micro     | 2.0  | 1.5  | 0.59 | SE  | 4   | 03/02/11 | 10/18/11 | 10/16/11 | 10/16/11   |          | 03/03/11    | 2088  | 17   |
| GC46CCG  | Good Will Hunting               | bananasplit                | Micro     | 2.5  | 1.0  | 0.61 | W   | 0   | 08/22/07 | 10/02/11 | 05/30/08 | 01/24/08   |          | 08/25/07    | 580   | 29   |
| GC2MBAR  | HHK 4 Lets make a Deal          | HazelhurstKd               | Small     | 2.5  | 2.5  | 0.61 | NE  | 0   | 01/09/11 | 11/14/11 | 10/23/11 | 10/23/11   |          | 01/10/11    | 2058  | 29   |
| GCI1QBV  | It's Periodic                   | lynchberg                  | Other     | 4.0  | 1.5  | 0.62 | NW  | 0   | 06/14/09 | 10/03/11 | 08/21/11 | 08/21/11   |          | 07/11/09    | 1377  | 33   |
| GC2AHRA  | Dry Land or Wet Land ?????      | randco                     | Regular   | 2.5  | 2.0  | 0.62 | E   | 0   | 06/20/10 | 10/27/11 | 10/26/11 | 09/18/11   |          | 07/19/10    | 1808  | 46   |
| GC0M5K   | Where's Walk-Doh!               | infintelMPG                | Regular   | 3.0  | 2.0  | 0.63 | SE  | 0   | 08/09/06 | 11/07/11 | 11/02/11 | 11/02/11   |          | 08/10/06    | 99    | 113  |
| GC09GN   | RoseVeil                        | Tritanac                   | Regular   | 2.0  | 3.0  | 0.64 | NE  | 0   | 07/22/06 | 10/02/11 | 03/10/08 | 09/03/07   |          | 07/23/06    | 76    | 31   |

Subset: None 4093 Shown (all waypoints) Centre point = I-75 & SR70 Counts: 2877 1404 1486 132

**GCX96N** **RoseVeil**

Type: **Traditional** | Size: **Regular** | Difficulty: **★★★☆☆** | Terrain: **★★★☆☆**  
 By: **BigMahma** | Hidden: **07/22/06** | Status: **Archived**  
 Country: **United States** | State: **FL** | County: **Manatee**  
 Coordinates: **N27° 26.969 W82° 27.288 UTM 17R E 356231 N 3037063**  
 Last updated: **10/02/11** | Fav points: **0**

RoseVeil - A full sized ammo can.  
 Please use the Camera!  
 RoseVeil 7.22.06  
 This was moved from it's original location - it's a very easy find now you can almost literally drive right up to it.  
 In this cache you will find lots of stuff - but use the Camera to take a photo! Don't take it! :)

**Hints**

Nestled in a Tree.

**Custom URLs**

[GeoHack](#)  
[GCAll.org](#)

**Hide Map** **Splitscreen** **Browser** **Refresh**

Map Sat Hyb Aer Earth Ter Topo MyTopo OSM

**Driving Directions**

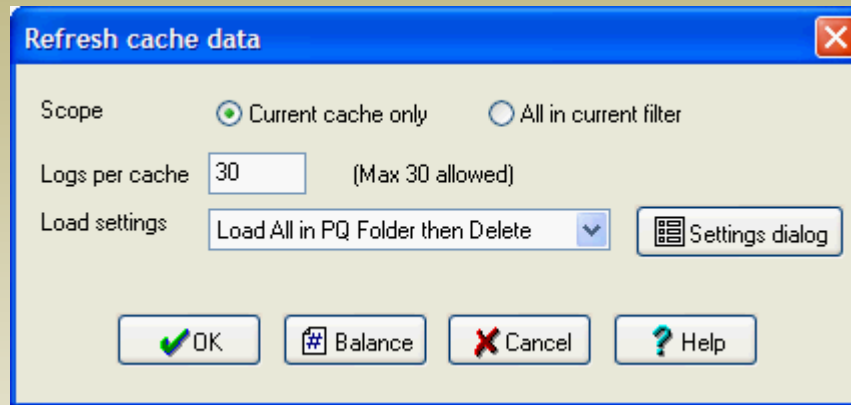
**Logs**

**03/10/08** by **palmetto**  
archive

**01/19/08** by **palmetto**  
Please check on this one, thanks

**08/30/07** by **Maahhavan**

# Updating Existing Caches in Database

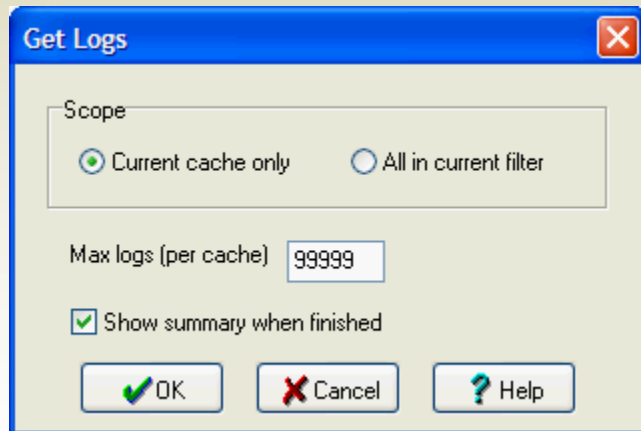


**Refresh cache data**

Scope  Current cache only  All in current filter

Logs per cache  (Max 30 allowed)

Load settings

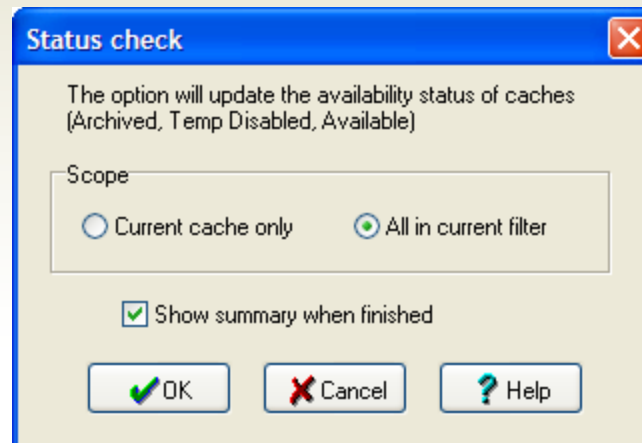


**Get Logs**

Scope  Current cache only  All in current filter

Max logs (per cache)

Show summary when finished



**Status check**

The option will update the availability status of caches (Archived, Temp Disabled, Available)

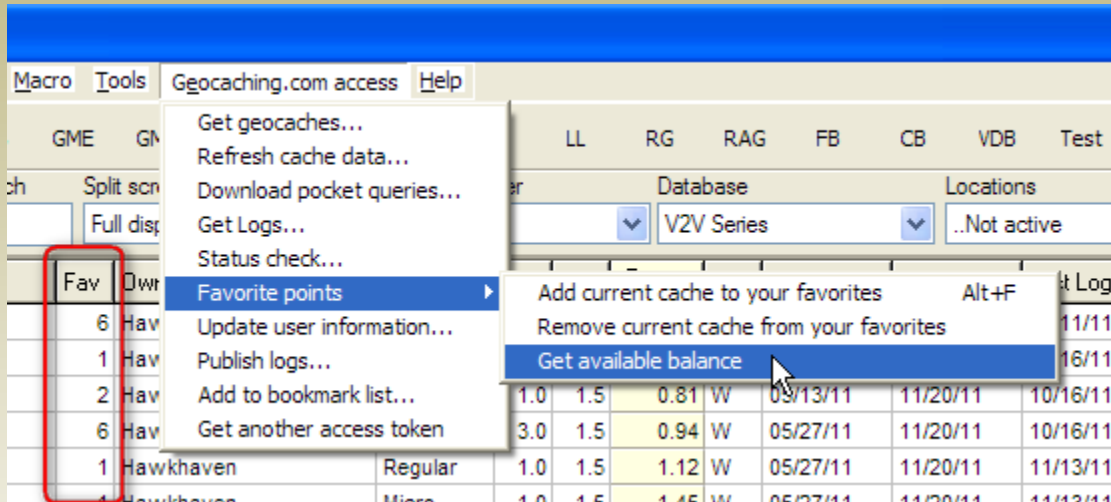
Scope  Current cache only  All in current filter

Show summary when finished

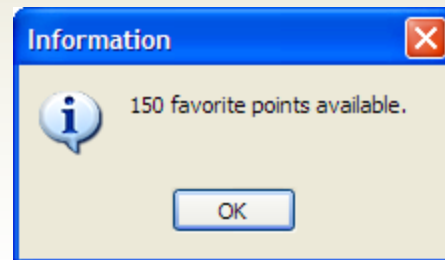
- Caches refreshed count against the 6000 cache per day limit
- Max caches per hour of 2000 is automatically paced by GSAK
- Logs per cache – gets *only* the last N logs (unlike a PQ which also includes all of *your* logs)
- Max logs – can be set to a very large number to get all logs



# Favorite Points



- API functions include information about favorite points
- The favorite point field can be added to the grid
- A favorite point can be added to or removed from the current cache
- The number of available favorite points can be checked



# Add to Bookmark List

Add to bookmark list ✕

Select a bookmark, chose your scope, then click on the add button

| Name                       | Shared | Public | Caches |
|----------------------------|--------|--------|--------|
| Archived                   | false  | false  | 82     |
| Best Hide Technique        | true   | true   | 51     |
| Fifty (?) Challenge        | true   | true   | 50     |
| Florida 250 Star Challenge | true   | true   | 85     |
| My First To Find Caches    | false  | false  | 213    |
| Puzzles - FGA SW           | true   | false  | 0      |
| Test                       | false  | false  | 3      |

↻ Find next ↶ Find previous 🔍 Highlight  Match case

Scope  
 Current cache only  All in current filter

+ Add ✕ Cancel ? Help

- API can not create a bookmark list, so you must first make sure you have created the bookmark list online

# Center Point

Subst: FGA Central      24 Shown (out of 3139) 0.8%

Centre point = I-75 & SR70      Counts: 7 17 12 0

| Code    | Owner Name         | Container  | Diff | Terr | Miles  | Big | Placed   | Changed  | Last Log | Last Found | DNF Date | Found by me | fff | Usort | Logs |
|---------|--------------------|------------|------|------|--------|-----|----------|----------|----------|------------|----------|-------------|-----|-------|------|
| GCRWHK  | Bumblebeetoo       | Small      | 1.0  | 1.0  | 79.22  | NE  | 01/04/06 | 06/17/10 | 11/22/07 | 11/22/07   |          | 11/22/07    |     | 645   | 197  |
| GC13D95 | JerseyGirl & Bruno | Not chosen | 1.5  | 2.0  | 81.12  | E   | 06/04/07 | 12/31/10 | 08/29/10 | 08/29/10   |          |             |     |       | 14   |
| GCWD1C  | FocsleSwab         | Regular    | 1.5  | 1.0  | 81.91  | NE  | 06/03/06 | 06/17/10 | 11/22/07 | 11/22/07   |          | 11/22/07    |     | 644   | 442  |
| GCC142  | Blue Man           | Regular    | 1.0  | 1.0  | 82.38  | NE  | 01/08/03 | 06/17/10 | 11/22/07 | 11/22/07   |          | 11/22/07    |     | 642   | 900  |
| GC1QJ6G | FocsleSwab         | Small      | 2.0  | 2.0  | 82.48  | NE  | 01/24/07 | 06/17/10 | 11/22/07 | 11/22/07   |          | 11/22/07    |     | 643   | 169  |
| GC15QNG | Monetta55          | Not chosen | 1.0  | 1.0  | 82.80  | NE  | 09/06/07 | 12/31/10 | 12/25/10 | 12/25/10   |          | 11/22/07    |     | 646   | 21   |
| GC22W23 | BroKarl            | Not chosen | 1.0  | 1.0  | 84.42  | NE  | 04/17/10 | 05/14/10 | 04/22/10 | 04/18/10   |          |             |     |       | 30   |
| GC2APV3 | pumpkinpink27      | Not chosen | 1.0  | 1.0  | 84.56  | NE  | 09/07/10 | 09/24/10 | 09/15/10 | 09/12/10   |          |             |     |       | 23   |
| GC2KDPA | mrcanohead224      | Other      | 1.5  | 1.5  | 86.37  | NE  | 02/26/11 | 01/14/11 | 01/11/11 |            |          |             |     |       | 13   |
| GC25RPC | 4man2000           | Small      | 2.0  | 1.0  | 87.53  | NE  | 03/28/10 | 08/31/10 | 07/05/10 | 07/05/10   |          | 07/01/10    |     | 1821  | 20   |
| GC2GPQT |                    | Other      | 1.0  | 1.0  | 88.09  | NE  | 01/07/11 | 01/14/11 | 01/08/11 | 01/08/11   |          |             |     |       | 15   |
| GC2GR54 |                    | Not chosen | 1.0  | 1.0  | 88.55  | NE  | 11/18/10 | 12/10/10 | 11/19/10 | 11/19/10   |          |             |     |       | 30   |
| GC28B6D |                    | Not chosen | 1.0  | 1.0  | 90.72  | NE  | 05/27/10 | 06/04/10 | 05/30/10 | 05/30/10   |          |             |     |       | 20   |
| GC20CPT | drگوی              | Not chosen | 2.5  | 1.5  | 91.71  | NE  | 10/28/09 | 12/31/10 | 12/28/10 | 12/28/10   |          |             |     |       | 5    |
| GC1WZTQ | jim32809           | Not chosen | 5.0  | 1.0  | 97.16  | NE  | 08/08/09 |          |          |            |          |             |     |       | 19   |
| GC2ANJC | Jarrodd88          | Other      | 1.0  | 1.0  | 99.40  | NE  | 08/01/10 |          |          |            |          |             |     |       | 41   |
| GC1N8Y0 | War1man and MilMi  | Micro      | 1.0  | 1.0  | 106.79 | NE  | 03/02/09 | 07/06/10 | 07/03/10 | 07/03/10   |          | 07/01/10    |     | 1822  | 20   |
| GC24ME7 | MercedesL          | Other      | 2.0  | 2.0  | 107.43 | NE  | 05/15/10 | 06/18/10 | 06/11/10 | 06/11/10   |          |             |     |       | 40   |
| GC1P4AT | sk8er1113          | Small      | 2.5  | 2.0  | 107.56 | NE  | 03/24/09 | 10/26/10 | 10/21/10 | 08/14/10   |          |             |     |       | 35   |
| GC26E09 | thelanes           | Regular    | 1.0  | 4.5  | 109.63 | NE  | 05/22/10 | 06/04/10 | 05/22/10 | 05/22/10   |          |             |     |       | 26   |

- Multiple locations can be defined and selected from dropdown list
- Can be set based on post code or manually entered Lat/Lon
- Can be set to current physical location by a connected GPSr
- Distance column computed based on Center Point

# Sorting

The screenshot shows the GSAK 7.7.3.49 software interface with a table of waypoints. The table has columns for Code, Waypoint Name, Owner Name, Container, Diff, Terr, Miles, Brg, Placed, Changed, Last Log, Last Found, DNF Date, Found by me, ftr, Usort, and Logs. The 'Diff' and 'Terr' columns are highlighted in cyan, indicating they are the primary and secondary sort columns. Annotations with arrows point to the 'Diff' and 'Terr' column headers, stating: 'Click on column header to sort, click again to reverse the sort order' and 'Previous sort column becomes secondary sort column'. Another annotation points to the 'Terr' column header, stating: 'Hover mouse pointer here to view primary, secondary sort order'. The status bar at the bottom shows 'order by Difficulty, Terrain' and 'Counts: 2065 1070 938 10'.

| Code    | Waypoint Name                            | Owner Name    | Container  | Diff | Terr | Miles  | Brg | Placed   | Changed  | Last Log | Last Found | DNF Date | Found by me | ftr | Usort | Logs |
|---------|--|---------------|------------|------|------|--------|-----|----------|----------|----------|------------|----------|-------------|-----|-------|------|
| GCHX5H  | COMBAT!                                  | Gator Man     | Regular    | 4.5  | 4.5  | 153.15 | E   | 03/12/04 | 09/07/09 | 03/28/09 | 03/26/09   |          |             |     |       | 111  |
| GC28MCD | JP1                                      |               |            | 4.5  | 5.0  |        |     |          |          |          |            |          |             |     |       | 36   |
| GC18CHM | WW                                       |               |            | 5.0  | 1.0  |        |     |          |          |          |            |          | 05/10/08    |     | 867   | 82   |
| GC1GMA0 | #015 - Lorraine - Parlez-Vous Français?  | Pfadfinder_FL | Other      | 5.0  | 1.0  | 3.92   | E   | 09/26/08 | 12/22/10 | 12/18/10 | 12/18/10   |          | 03/25/10    |     | 1715  | 30   |
| GC1GAK9 | #016 - "Bite me, and Bite me, It's fun!" | Pfadfinder_FL | Other      | 5.0  | 1.0  | 4.07   | S   | 09/26/08 | 03/11/10 | 11/20/09 |            |          |             |     |       | 4    |
| GC1WJND | BULLSEYE                                 | Pfadfinder_FL | Not chosen | 5.0  | 1.0  | 1.26   | W   | 07/30/09 | 02/19/10 | 11/20/09 |            | 09/03/09 |             |     |       | 7    |
| GCJG5Q  | memorial lake                            | joesaz        | Micro      | 5.0  | 1.0  | 153.17 | E   | 05/20/04 | 12/11/09 | 12/07/09 | 12/07/09   |          | 12/07/09    |     | 1654  | 21   |
| GC1WZTQ | Number Of The Beast                      | jim32809      | Not chosen | 5.0  | 1.0  | 97.16  | NE  | 08/08/09 | 10/12/10 | 10/03/10 | 10/03/10   |          |             |     |       | 19   |
| GC23VCB | Grape Stained Soles                      | infinteMPG    | Micro      | 5.0  | 1.5  | 3.61   | S   | 02/10/10 | 12/08/10 | 10/30/10 | 10/30/10   |          | 03/19/10    |     | 1703  | 9    |
| GC293BJ | '57 Classic                              | infinteMPG    | Micro      | 5.0  | 1.5  | 2.60   | W   | 05/23/10 | 09/01/10 | 08/03/10 | 07/30/10   |          | 07/30/10    |     | 1900  | 5    |
| GC11FXQ | Rode Hard and Put Up Wet!                | Of Bubba Hide | Micro      | 5.0  | 2.0  | 33.22  | NE  | 03/16/07 | 06/17/10 | 02/01/09 | 02/01/09   |          | 02/01/09    |     | 1090  | 46   |
| GC1QW55 | #060 - Jolly Roger                       | Pfadfinder_FL | Micro      | 5.0  | 2.0  | 10.96  | SW  | 05/02/09 | 12/31/10 | 12/30/10 | 12/30/10   |          | 07/03/09    |     | 1372  | 34   |
| GC1VEZP | #062 - "If MarioKart Was Real".....      | Pfadfinder_FL | Micro      | 5.0  | 2.0  | 0.00   | S   | 07/04/09 | 03/11/10 | 11/20/09 |            |          |             |     |       | 2    |
| GC1R02G | "CREW's" Hidden Secret                   | Lehigh Mafia  | Other      | 5.0  | 2.5  | 87.37  | SE  | 05/09/09 | 06/17/10 | 05/17/09 | 05/17/09   |          | 05/09/09    |     | 1292  | 23   |
| GC1VF3G | #061 - Where did the Sasquatch go ???    | Pfadfinder_FL | Regular    | 5.0  | 2.5  | 1.80   | S   | 07/04/09 | 03/11/10 | 11/20/09 |            |          |             |     |       | 2    |
| GC25NP7 | "10 years! South Ft. Myers, Florida"     | Blue Diamonds | Not chosen | 5.0  | 4.0  | 80.33  | SE  | 05/01/10 | 06/07/10 | 05/09/10 | 05/05/10   |          |             |     |       | 38   |
| GCT75R  | Nowhere In Sight                         | infinteMPG    | Regular    | 5.0  | 4.5  | 11.16  | NE  | 01/28/06 | 01/19/11 | 01/15/11 | 01/15/11   |          | 01/09/07    |     | 373   | 56   |
| GCYJ3X  |  |               | Micro      | 5.0  | 5.0  | 5.38   | NW  | 04/20/06 | 08/31/10 | 05/16/09 | 02/03/08   | 07/10/06 | 07/15/06    |     | 71    | 50   |
| GC1NWX  |  |               | Small      | 5.0  | 5.0  | 1.60   | SW  | 03/11/09 | 10/27/10 | 10/26/10 | 09/19/09   |          |             |     |       | 16   |
| GC2B3M0 | T.O.G.G.A. does Econfina                 | LionsLair     | Not chosen | 5.0  | 5.0  | 278.76 | NW  | 08/07/10 | 08/13/10 | 08/11/10 | 08/07/10   |          |             |     |       | 12   |

- String fields sort alphabetically (not case-sensitive)
- String fields can be sorted numerically by using leading zeros
- Date fields sort chronologically (stored internally as YYYY-MM-DD)
- Support for primary and secondary sorting

# Child (Additional) Waypoints

**Right-click anywhere on a waypoint's row, then select "Child waypoints..." to open the dialog**

**Bold font indicates that these waypoints have one or more child waypoints**

| Code   | Flag                                | Type              | Name                           | Date     | Latitude    | Longitude   | By User                             |
|--------|-------------------------------------|-------------------|--------------------------------|----------|-------------|-------------|-------------------------------------|
| BBT75R | <input type="checkbox"/>            | Trailhead         | Bee Hives to Avoid             | 05/25/06 | N27° 31.129 | W82° 16.800 | <input type="checkbox"/>            |
| PKT75R | <input type="checkbox"/>            | Parking Area      | Parking                        | 05/25/06 | N27° 29.881 | W82° 18.695 | <input type="checkbox"/>            |
| S2T75R | <input checked="" type="checkbox"/> | Stages of a Multi | Nowhere In Sight - Stage 2     | 03/09/07 | N27°        | W82°        | <input checked="" type="checkbox"/> |
| S3T75R | <input checked="" type="checkbox"/> | Stages of a Multi | Nowhere In Sight - Stage 3     | 03/09/07 | N27°        | W82°        | <input checked="" type="checkbox"/> |
| S4T75R | <input checked="" type="checkbox"/> | Stages of a Multi | Nowhere In Sight - Stage 4     | 03/09/07 | N27°        | W82°        | <input checked="" type="checkbox"/> |
| SFT75R | <input checked="" type="checkbox"/> | Final Location    | Nowhere In Sight - Stage Final | 03/09/07 | N27°        | W82°        | <input checked="" type="checkbox"/> |

## Child Waypoint Types

Final Location  
 Parking Area  
 Question to Answer  
 Stages of a Multicache  
 Trailhead  
 Reference Point

- Published by cache owner or defined by user
- Sent to GPSr for navigation (optional)
- Some macros will display on map (optional)
- Listed in Split Screen

# Corrected Coordinates

**Corrected Coordinates**

GC1TD88 Hunter's Point

Corrected coordinates (datum must be WGS 84)

Lat/Lon: N 27° 27.957' W 82° 40.768'

State: FL

County: Manatee

Degrees: 27.46595 -82.679467  
 Minutes: N 27° 27.957' W 82° 40.768'  
 Seconds: N 27° 27' 57.42" W 82° 40' 46.08"  
 UTM: 17R E 334050 N 3039167  
 Distance from original: 0.128miles SE

Coordinates from last GPX load on 11/25/10

Degrees: 27.467583 -82.680467  
 Minutes: N 27° 28.055' W 82° 40.828'  
 Seconds: N 27° 28' 3.30" W 82° 40' 49.68"  
 UTM: 17R E 333954 N 3039349  
 State: FL  
 County: Manatee

Save Delete Cancel Help

| Miles | Brg | Placed   | Changed  | Last Log | Last Found | DNF Date | Found by me | ftf | Usort | Logs |
|-------|-----|----------|----------|----------|------------|----------|-------------|-----|-------|------|
| 13.45 | W   | 09/24/07 | 01/13/11 | 01/12/11 | 01/12/11   |          | 09/29/07    | ☑   | 620   | 107  |
| 13.46 | NE  |          |          |          |            |          | 11/23/08    | ☐   | 994   | 19   |
| 13.47 | NE  |          |          |          |            |          | 03/17/07    | ☐   | 407   | 13   |
| 13.47 | NE  |          |          |          |            |          | 04/14/08    | ☐   | 853   | 7    |
| 13.47 | W   | 10/27/08 | 11/29/10 | 11/28/10 | 11/28/10   | 11/12/08 | 11/21/08    | ☐   | 985   | 65   |
| 13.55 | W   | 07/19/08 | 07/28/08 | 07/22/08 |            |          |             | ☐   |       | 4    |
| 13.55 | S   |          |          |          |            |          | 03/22/09    | ☐   | 1167  | 120  |
| 13.57 | N   |          |          |          |            |          | 01/06/08    | ☐   | 721   | 95   |
| 13.58 | NE  |          |          |          |            |          | 01/09/07    | ☐   | 367   | 23   |
| 13.60 | W   | 06/07/09 | 11/25/10 | 11/25/10 | 10/07/10   |          | 09/06/09    | ☐   | 1408  | 34   |
| 13.61 | NW  | 07/22/08 | 01/20/11 | 01/11/11 | 01/11/11   |          | 10/12/08    | ☐   | 952   | 133  |
| 13.62 | W   | 07/06/07 | 01/19/11 | 01/16/11 | 01/16/11   |          | 09/16/07    | ☐   | 611   | 140  |
| 13.67 | S   | 02/06/09 | 01/19/11 | 01/18/11 | 01/18/11   |          |             | ☐   |       | 45   |
| 13.68 | W   | 11/24/10 | 01/09/11 | 01/08/11 | 01/08/11   |          | 11/30/10    | ☑   | 2048  | 8    |
| 13.69 | NE  |          |          |          |            |          |             | ☐   |       | 22   |
| 13.70 | N   |          |          |          |            |          | 1/20/09     | ☐   | 1576  | 54   |
| 13.70 | W   |          |          |          |            |          | 11/30/10    | ☑   | 2046  | 15   |
| 13.71 | S   | 04/20/10 | 12/29/10 | 12/28/10 | 12/26/10   |          |             | ☐   |       | 91   |
| 13.73 | NW  | 09/20/06 | 01/08/11 | 01/06/11 | 07/12/10   |          | 04/14/07    | ☐   | 462   | 143  |
| 13.74 | NE  | 04/22/06 | 01/19/11 | 01/15/11 | 01/15/11   |          | 01/09/07    | ☐   | 372   | 27   |

Centre point = I-75 & SR70      Counts: 2066 1072 938 10

- Corrected coordinates override, not replace, original coordinates
- Are treated like the originals ones (e.g. when downloading to GPSr)
- Are not overwritten on PQ load, and revert to original when deleted
- Often used for solved puzzles and final location of multis

# Notes

**A double-click on this icon opens the Notes dialog**

**For any personal notes or information you would like to keep. Especially useful for notes on how the final location was found for puzzle or multi caches.**

**Here you can compose your log for later posting online. After posting, the logging macro will normally clear this section.**

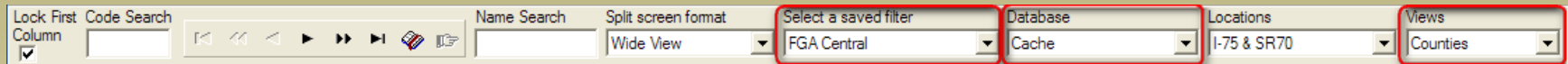
**Click to semi-automatically log the text in the Log Section using the specified macro**

| Log  | Last Found | DNF Date | Found by me | ftf | Usqit | Logs |
|------|------------|----------|-------------|-----|-------|------|
| 2/11 | 01/12/11   |          | 03/22/09    |     | 1167  | 120  |
| 5/11 | 01/09/11   |          | 01/06/08    |     | 721   | 95   |
| 5/10 | 05/22/10   |          | 01/09/07    |     | 367   | 23   |
| 5/10 | 10/07/10   | 09/06/09 |             |     | 1408  | 34   |
| 1/11 | 01/11/11   | 10/12/08 |             |     | 952   | 133  |
| 6/11 | 01/11/11   |          |             |     |       |      |
| 8/11 | 01/11/11   |          |             |     |       |      |
| 8/11 | 01/10/11   |          |             |     |       |      |
| 5/11 | 01/15/11   |          |             |     |       | 22   |
| 2/11 | 01/12/11   | 11/20/09 | 11/26/09    |     | 1576  | 54   |
| 8/11 |            |          |             |     |       |      |
| 8/10 |            |          |             |     |       |      |
| 6/11 | 07/12/10   | 04/14/07 |             |     | 462   | 143  |
| 5/11 | 01/15/11   |          | 01/09/07    |     | 372   | 27   |

- Each waypoint can have a note consisting of user and log sections
- The notes support a combination plain text and HTML
- Spell checking is provided and pictures/graphics are supported
- Semi-automatic logging can be done using a specified macro



# Key Concepts



- Database – Collection of data items
  - Caches, Benchmarks, Trackables, etc.
  - Records (rows) of Fields (columns)
  - Usually populated by GPX files (PQs)
- View – Subset of columns
  - Selection, Order, Width
  - Sortable by column (primary, secondary)
- Filter – Subset of rows
  - GUI, Arc/Poly, or SQLite-based
  - Also filtered by Code/Name Search
  - Most actions only act on filter



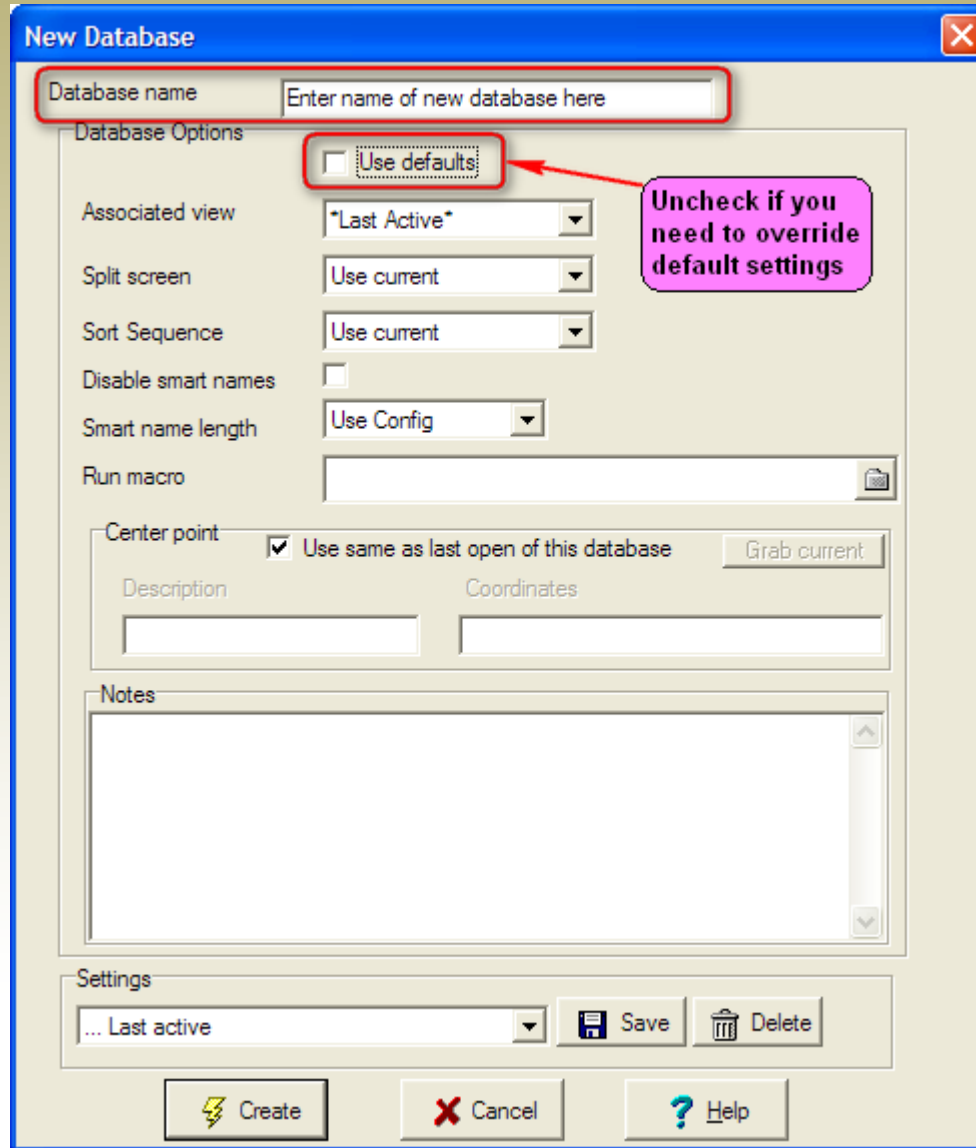
# Databases

The screenshot shows the GSAK 7.7.3.45 software interface. The title bar reads "GSAK 7.7.3.45 DataBase: Cache". The menu bar includes File, Search, User Flags, View, Centre Point, Waypoint, Database, GPS, Macro, Tools, and Help. The Database menu is open, showing options like Select..., New..., Rename..., Save As..., Move/Copy Waypoints..., Repair/Defrag, Delete, Maintain Ignore List..., Delete all Waypoints, Recalculate Smart Names..., Global replace..., Purge Logs..., Properties..., Totals..., Grab Images..., and Force use of grabbed images in HTML. A dropdown menu for "Database" is also visible, showing "Cache" selected. The main window displays a table of waypoints with columns: Code, L4, Waypoint Name, Container, Diff, Terr, Miles, Brg, Placed, Changed, Last Found, DNF Date, Found by me, Itf, Usort, State, and County. The table shows 24 waypoints, with the last one highlighted in blue. The status bar at the bottom indicates "Subset: FGA Central", "24 Shown (out of 3139) 0.8%", "Centre point = I-75 & SR70", and "Counts: 7 17 12 0".

| Code    | L4 | Waypoint Name                               | Container  | Diff | Terr | Miles  | Brg | Placed   | Changed  | Last Found | DNF Date | Found by me | Itf | Usort | State | County   |
|---------|----|---|------------|------|------|--------|-----|----------|----------|------------|----------|-------------|-----|-------|-------|----------|
| GC13D95 |    | A River Restored Earth                      | Small      | 1.0  | 1.0  | 79.22  | NE  | 01/04/06 | 06/17/10 | 11/22/07   |          | 11/22/07    |     | 645   | FL    | Lake     |
| GC15QNG |    | Lake Louisa Earthcache                      | Not chosen | 1.5  | 2.0  | 81.12  | E   | 06/04/07 | 12/31/10 | 08/29/10   |          |             |     |       | FL    | Osceola  |
| GC1W6G  |    | Across the Pond                             | Regular    | 1.5  | 1.0  | 81.91  | NE  | 06/03/06 | 06/17/10 | 11/22/07   |          | 11/22/07    |     | 644   | FL    | Osceola  |
| GC22W23 |    | BK-12 Back to the Bo                        | Regular    | 1.0  | 1.0  | 82.38  | NE  | 01/08/03 | 06/17/10 | 11/22/07   |          | 11/22/07    |     | 642   | FL    | Osceola  |
| GC25RPC |    | Blackbeards Treasure                        | Small      | 2.0  | 2.0  | 82.48  | NE  | 01/24/07 | 06/17/10 | 11/22/07   |          | 11/22/07    |     | 643   | FL    | Osceola  |
| GC26E09 |    | Top Secret CITO event                       | Not chosen | 1.0  | 1.0  | 82.80  | NE  | 09/06/07 | 12/31/10 | 12/25/10   |          | 11/22/07    |     | 646   | FL    | Lake     |
| GC2KQPA |    | Expedition from the G                       | Not chosen | 1.0  | 1.0  | 84.42  | NE  | 04/17/10 | 05/14/10 | 04/18/10   |          |             |     |       | FL    | Orange   |
| GC25RQC |    | Blackbeards Treasure                        | Other      | 1.0  | 1.0  | 84.56  | NE  | 09/07/10 | 09/24/10 | 09/12/10   |          |             |     |       | FL    | Orange   |
| GC26E09 |    | Top Secret CITO event                       | Other      | 1.5  | 1.5  | 86.37  | NE  | 02/26/11 | 01/14/11 |            |          |             |     |       | FL    | Orange   |
| GC26PQT |    | M&G #2 - Dine and Cache                     | Small      | 2.0  | 1.0  | 87.53  | NE  | 03/28/10 | 08/31/10 | 07/05/10   |          | 07/01/10    |     | 1821  | FL    | Orange   |
| GC26R5X |    | Meet & Greet #1 - The Beginning             | Other      | 1.0  | 1.0  | 88.09  | NE  | 01/07/11 | 01/14/11 | 01/08/11   |          |             |     |       | FL    | Lake     |
| GC26R5X |    | Meet & Greet #1 - The Beginning             | Not chosen | 1.0  | 1.0  | 88.55  | NE  | 11/18/10 | 12/10/10 | 11/19/10   |          |             |     |       | FL    | Lake     |
| GC26R5D |    | Geocaching "101'1/2" and GSAK! Part Deux    | Not chosen | 1.0  | 1.0  | 90.72  | NE  | 05/27/10 | 06/04/10 | 05/30/10   |          |             |     |       | FL    | Orange   |
| GC20CPT |    | A bunch of Weir-dos in Florida              | Not chosen | 2.5  | 1.5  | 91.71  | NE  | 10/28/09 | 12/31/10 | 12/28/10   |          |             |     |       | FL    | Orange   |
| GC1W2TQ |    | Number Of The Beast                         | Not chosen | 5.0  | 1.0  | 97.16  | NE  | 08/08/09 | 10/12/10 | 10/03/10   |          |             |     |       | FL    | Orange   |
| GC2ANJC |    | The 1st Annual West Side BBQ                | Other      | 1.0  | 1.0  | 99.40  | NE  | 08/01/10 | 09/24/10 | 08/08/10   |          |             |     |       | FL    | Orange   |
| GC1N8Y0 |    | Platitudinous #1 BPLP                       | Micro      | 1.0  | 1.0  | 106.79 | NE  | 03/02/09 | 07/06/10 | 07/03/10   |          | 07/01/10    |     | 1822  | FL    | Seminole |
| GC24ME7 |    | Cede's Night Time Adventure with StarDust25 | Other      | 2.0  | 2.0  | 107.43 | NE  | 05/15/10 | 06/18/10 | 06/11/10   |          |             |     |       | FL    | Lake     |
| GC1P4AT |    | The Anti G-Rail                             | Small      | 2.5  | 2.0  | 107.56 | NE  | 03/24/09 | 10/26/10 | 08/14/10   |          |             |     |       | FL    | Lake     |
| GC26E09 |    | Top Secret CITO event                       | Regular    | 1.0  | 4.5  | 109.63 | NE  | 05/22/10 | 06/04/10 | 05/22/10   |          |             |     |       | FL    | Seminole |

- Multiple databases can be created and selected from dropdown list
- Image data can be grabbed and cached locally for offline viewing
- Waypoints can be moved or copied between databases
- Global replace for field changes across many waypoints

# Creating a New Database



The screenshot shows the 'New Database' dialog box with several annotations. A red box highlights the 'Database name' field, which contains the placeholder text 'Enter name of new database here'. A red arrow points from a pink callout box to the 'Use defaults' checkbox, which is currently checked. The callout box contains the text 'Uncheck if you need to override default settings'. The dialog box includes various options for database configuration, such as 'Associated view', 'Split screen', 'Sort Sequence', 'Disable smart names', 'Smart name length', and 'Run macro'. It also has a 'Center point' section with a checked checkbox and a 'Grab current' button. At the bottom, there are 'Settings' and 'Create', 'Cancel', and 'Help' buttons.

**Database name** Enter name of new database here

**Database Options**

- Use defaults
- Associated view: \*Last Active\*
- Split screen: Use current
- Sort Sequence: Use current
- Disable smart names:
- Smart name length: Use Config
- Run macro: [Folder icon]

**Center point**  Use same as last open of this database

Description: [Text field] Coordinates: [Text field]

**Notes**

[Text area]

**Settings**

... Last active

# Views

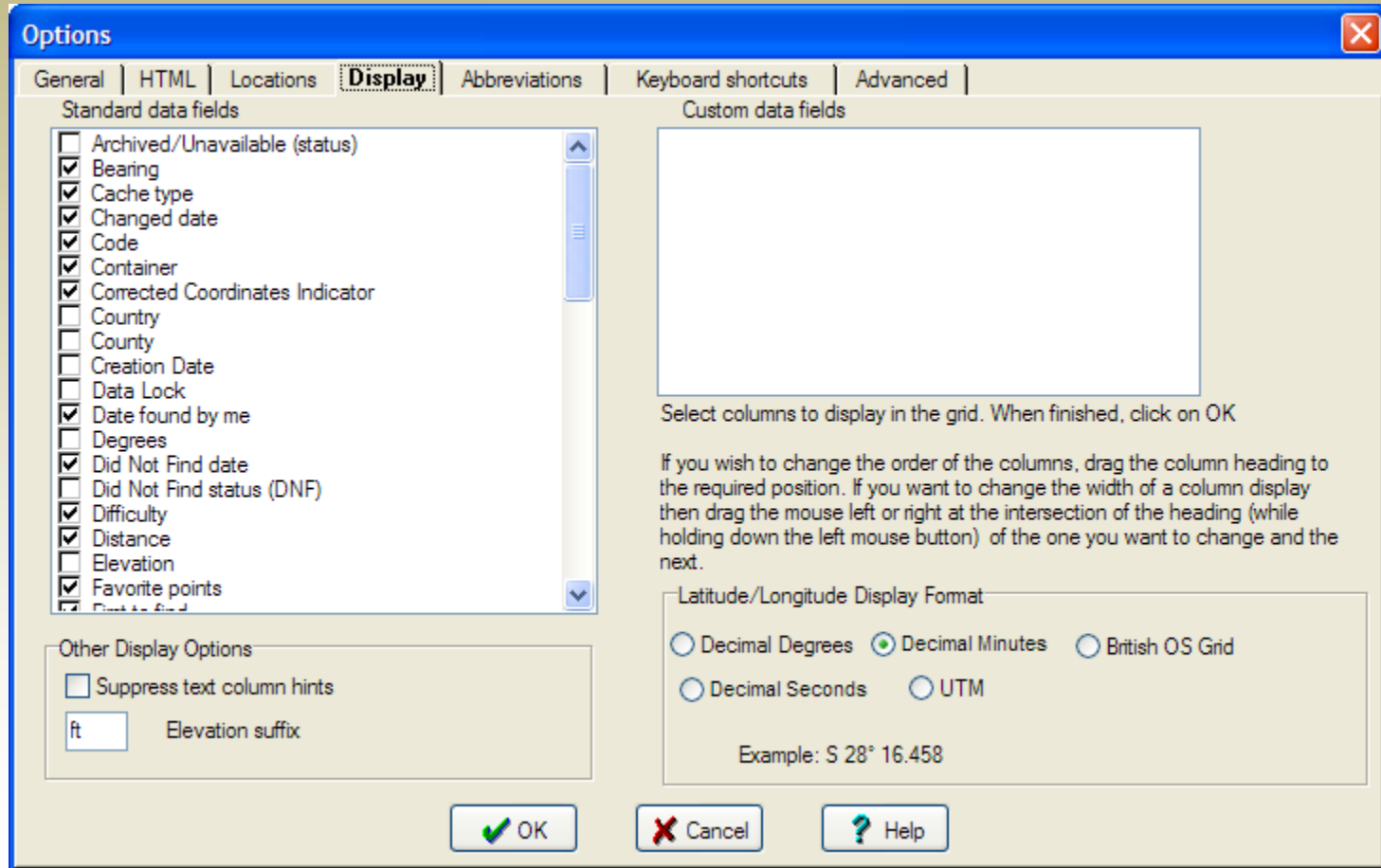
The screenshot shows the GSAK 7.7.3.45 software interface. The 'Views' dropdown menu is open, showing 'Cache' selected. The main table displays geocaching data with columns for Code, Owner Name, Container, Diff, Terr, Miles, Big, Placed, Changed, Last Log, Last Found, DNF Date, Found by me, Ff, Usort, and Logs. Annotations with arrows point to specific features: 'Drag column divider left or right to change column width' points to the line between 'Placed' and 'Changed'; 'Drag column header left or right to change column order' points to the 'Placed' header; and 'Right-click column header to change name' points to the 'Usort' header.

| Code    | Owner Name                                  | Container          | Diff       | Terr | Miles | Big    | Placed   | Changed  | Last Log | Last Found | DNF Date | Found by me | Ff | Usort | Logs |
|---------|---|--------------------|------------|------|-------|--------|----------|----------|----------|------------|----------|-------------|----|-------|------|
| GCRWHK  | Bumblebeetoo                                | Small              | 1.0        | 1.0  | 79.22 | NE     | 01/04/06 | 06/17/10 | 11/22/07 | 11/22/07   |          | 11/22/07    |    | 645   | 197  |
| GC13D95 | A River Restored Earthcache                 | Jersey             |            |      | 81.12 | E      | 06/04/07 | 12/31/07 |          |            |          |             |    |       | 14   |
| GCWD1C  | Destination Disney World                    | Focsle             |            |      | 81.91 | NE     | 06/03/06 | 06/17/07 |          |            |          | 11/22/07    |    | 644   | 442  |
| GCC142  | Celebrate Disney II                         | Blue M             |            |      | 82.38 | NE     | 01/08/03 | 06/17/07 |          |            |          | 11/22/07    |    | 642   | 900  |
| GC1QJ6G | Across the Pond                             | FocsleSwab         | Small      | 2.0  | 2.0   | 82.48  | NE       | 01/24/07 | 06/17/10 | 11/22/07   | 11/22/07 | 11/22/07    |    | 643   | 169  |
| GC15QNG | Lake Louisa Earthcache                      | Monetta55          | Not chosen | 1.0  | 1.0   | 82.80  | NE       | 09/06/07 | 12/31/07 |            |          |             |    | 646   | 21   |
| GC22W23 | BK-12 Back to the Boardwalk                 | BroKarl            | Not chosen | 1.0  | 1.0   | 84.42  | NE       | 04/17/10 | 05/11/10 |            |          |             |    |       | 30   |
| GC2APV3 | I'm here 2.....oh yeah, I'm here too!       | pumpkinking27      | Not chosen | 1.0  | 1.0   | 84.56  | NE       | 09/07/10 | 09/24/10 | 09/15/10   | 09/12/10 |             |    |       | 23   |
| GC2KDPA | Expedition from the Great White North       | mrcanohead224      | Other      | 1.5  | 1.5   | 86.37  | NE       | 02/26/11 | 01/14/11 | 01/11/11   |          |             |    |       | 13   |
| GC25RPC | Blackbeards Treasure                        | 4man2000           | Small      | 2.0  | 1.0   | 87.53  | NE       | 03/28/10 | 08/31/10 | 07/05/10   | 07/05/10 | 07/01/10    |    | 1821  | 20   |
| GC26PQT | M&G #2 - Dine and Cache                     | familycachefinders | Other      | 1.0  | 1.0   | 88.09  | NE       | 01/07/11 | 01/14/11 | 01/08/11   | 01/08/11 |             |    |       | 15   |
| GC2GR5X | Meet & Greet #1 - The Beginning             | trippy1976         | Not chosen | 1.0  | 1.0   | 88.55  | NE       | 11/18/10 | 12/10/10 | 11/19/10   | 11/19/10 |             |    |       | 30   |
| GC28BGD | Geocaching "101'1/2" and GSAK! Part Deux    | the1acwright       | Not chosen | 1.0  | 1.0   | 90.72  | NE       | 05/27/10 | 06/04/10 | 05/30/10   | 05/30/10 |             |    |       | 20   |
| GC20CPT | A bunch of Weir-dos in Florida              | drگوی              | Not chosen | 2.5  | 1.5   | 91.71  | NE       | 10/28/09 | 12/31/10 | 12/28/10   | 12/28/10 |             |    |       | 5    |
| GC1WZTQ | Number Of The Beast                         | jim32809           | Not chosen | 5.0  | 1.0   | 97.16  | NE       | 08/08/09 | 10/12/10 | 10/03/10   | 10/03/10 |             |    |       | 19   |
| GC2ANJC | The 1st Annual West Side BBQ                | Jarrod88           | Other      | 1.0  | 1.0   | 99.40  | NE       | 08/01/10 | 09/24/10 | 08/08/10   | 08/08/10 |             |    |       | 41   |
| GC1N8Y0 | Platitudinous #1 BPLP                       | War1man and MilMi  | Micro      | 1.0  | 1.0   | 106.79 | NE       | 03/02/09 | 07/06/10 | 07/03/10   | 07/03/10 | 07/01/10    |    | 1822  | 20   |
| GC24ME7 | Cede's Night Time Adventure with StarDust25 | MercedesL          | Other      | 2.0  | 2.0   | 107.43 | NE       | 05/15/10 | 06/18/10 | 06/11/10   | 06/11/10 |             |    |       | 40   |
| GC1P4AT | The Anti G-Rail                             | sk8er1113          | Small      | 2.5  | 2.0   | 107.56 | NE       | 03/24/09 | 10/26/10 | 10/21/10   | 08/14/10 |             |    |       | 35   |
| GC26E09 | Top Secret CITO event                       | thelanes           | Regular    | 1.0  | 4.5   | 109.63 | NE       | 05/22/10 | 06/04/10 | 05/22/10   | 05/22/10 |             |    |       | 26   |

Subset: FGA Central      24 Shown (out of 3139) 0.8%      Centre point = I-75 & SR70      Counts: 7 17 12 0

- Multiple views can be created and selected from dropdown list
- View defined by column selection, order, width, and name
- Can be scrolled horizontally to view off-screen columns
- First column can be locked in place to exempt from scrolling

# Views – Selecting Columns (Fields)





# Views – Supported Columns (Fields)

| Derived from GPX              | Managed by GSAK           | Managed by User   |
|-------------------------------|---------------------------|---|
| Archived/Unavailable (Status) | Bearing                   | Corrected Coordinates Indicator   |
| Cache Type                    | Changed Date              | Data Lock   |
| Code                          | County                    | Notes   |
| Container                     | Creation Date             | User Data   |
| Country                       | Date Found By Me          | User Data 2   |
| Difficulty                    | Degrees                   | User Data 3   |
| Favorite Points *             | Did Not Find Date         | User Data 4   |
| GC.com Note *                 | Did Not Find Status (DNF) | User Flag   |
| Guid *                        | Distance                  | User Sort   |
| Hints                         | Elevation                 | Watch Status  |
| Latitude                      | Found Count               |   |
| Longitude                     | Found Status              | <i>Additional user-defined<br/>Custom Data fields are<br/>also supported.</i> |
| Owner ID                      | Last Found                |   |
| Owner Name                    | Last Four Logs            |   |
| Placed By                     | Last GPX Update           |   |
| Placed Date                   | Last Log Date             |   |
| Premium *                     | Last User Update          |   |
| Source                        | Macro Sort                |   |
| State                         | Number of Logs            |   |
| Terrain                       | Resolution                |   |
| Travel Bugs                   | Row Number                |   |
| URL                           | Smart Name                |   |
| Waypoint Name                 |                           |   |

\* currently only populated by API

# Smart Names

GSAK 7.7.3.49 DataBase: Cache

File Search User Flags View Centre Point Waypoint Database GPS Macro Tools Help

GUS GME GMC FSG FCX ACS AL LL RG RAG FB CB VDB Test SUD SNC LPP LCR FbF

Lock First Code Search Name Search Split screen format Select a saved filter Database Locations Views  
 Column Wide View ToDo25 Cache I-75 & SR70 Smart

| Code    | Smart Name   | Waypoint Name                                   | Owner Name           | Container  | Diff | Turn | Miles | Brg | Placed   | Last Log | Last Found | Found by me | ff | Usort | Logs |
|---------|--------------|---|----------------------|------------|------|------|-------|-----|----------|----------|------------|-------------|----|-------|------|
| GC1R1RN | 058TheScenic | #058 - The Scenic Route                         | Pfadfinder_FL        | Micro      | 1.0  | 2.0  | 22.83 | S   | 05/06/09 | 11/21/10 | 11/21/10   |             |    |       | 48   |
| GC1VQKT | 067SuperSecr | #067 - Super Secret Cache                       | Pfadfinder_FL        | Other      | 4.0  | 2.0  | 2.79  | S   | 07/10/09 | 06/26/10 | 06/26/10   |             |    |       | 6    |
| GC2A3VH | 1945MarblePo | 1945 Marble Points the Way                      | JRMan                | Not chosen | 1.5  | 1.5  | 24.43 | NW  | 06/11/10 | 01/08/11 | 01/08/11   |             |    |       | 29   |
| GC21AH6 | 19THParallel | The 19TH Parallel Cache                         | Grand Illusion Crew  | Not chosen | 3.5  | 2.5  | 12.66 | NW  | 11/22/09 | 01/13/11 | 12/22/10   |             |    |       | 21   |
| GC2MDWT | 2010InReview | 2010 in Review                                  | Hawkhaven            | Other      | 1.5  | 2.0  | 13.06 | N   | 01/15/11 | 01/17/11 | 01/15/11   |             |    |       | 5    |
| GC2JGZP | AfterAnAllNi | After An All Night Cache Run I Got The Munchies | Capt Biggins         | Micro      | 3.0  | 1.5  | 13.04 | S   | 11/20/10 | 01/17/11 | 01/17/11   |             |    |       | 31   |
| GC1QVZY | AlisonKrauss | Alison Krauss Doesn't Live Here Anymore         | large-marge          | Micro      | 3.0  | 1.5  | 22.99 | S   | 05/01/09 | 01/04/11 | 02/20/10   |             |    |       | 31   |
| GC2A8VD | AllMotesMade | All Mote's Made It                              | randco               | Micro      | 2.5  | 1.5  | 2.67  | SW  | 06/14/10 | 11/21/10 | 11/10/10   |             |    |       | 14   |
| GC2B29R | AmazingGeoca | The Amazing Geocaching Mystery Wheel            | ishboo4343           | Small      | 2.5  | 1.5  | 12.67 | S   | 06/30/10 | 01/04/11 | 01/04/11   |             |    |       | 23   |
| GC1ZE40 | AnotherPiece | Another Piece of the Wall                       | speaker30            | Regular    | 1.0  | 1.0  | 22.80 | NW  | 10/03/09 | 01/15/11 | 01/15/11   |             |    |       | 163  |
| GC261CV | AprilsCache  | Aprils Cache                                    | caseymcleod          | Micro      | 1.0  | 1.0  | 14.54 | S   | 04/02/10 | 01/04/11 | 08/12/10   |             |    |       | 49   |
| GC295HG | Armstrong    | Armstrong                                       | Natrulyhi            | Micro      | 2.5  | 2.0  | 13.38 | NW  | 05/24/10 | 01/14/11 | 01/14/11   |             |    |       | 33   |
| GC1Z3KZ | AZA9100      | AZA 910.0                                       | Hawkhaven            | Other      | 2.0  | 1.5  | 10.90 | NW  | 09/29/09 | 01/17/11 | 01/17/11   |             |    |       | 61   |
| GC2BYE6 | Bamboozled   | Bamboozled                                      | Aviator              | Small      | 1.5  | 1.5  | 8.65  | S   | 07/18/10 | 12/28/10 | 12/28/10   |             |    |       | 34   |
| GC2G5K1 | BartlettArea | Bartlett Area Geocache                          | chrisclementdotcom   | Small      | 1.0  | 1.0  | 24.24 | NW  | 10/03/10 | 01/16/11 | 01/16/11   |             |    |       | 17   |
| GC1DJGR | BartlettPark | Bartlett Park                                   | JRMan                | Other      | 1.0  | 1.0  | 23.93 | NW  | 06/25/08 | 01/16/11 | 01/16/11   |             |    |       | 97   |
| GC21PAP | Bayou10thAnn | Bayou 10th Anniversary                          | campbayou.org        | Small      | 2.0  | 1.0  | 16.02 | N   | 12/03/09 | 01/18/11 | 01/18/11   |             |    |       | 17   |
| GC262Q  | BeachBummin  | Beach bummin'                                   | Wyldberri & Dude     | Micro      | 1.0  | 2.0  | 24.41 | N   | 11/02/06 | 01/17/11 | 01/17/11   |             |    |       | 143  |
| GC1DB7G | BeaudettePar | Beaudette Park                                  | chief040102          | Small      | 1.0  | 1.5  | 18.71 | N   | 06/18/08 | 01/16/11 | 01/16/11   |             |    |       | 116  |
| GC2JK4R | BeggarsSpot  | Beggar's Spot                                   | Argh! SuperToeSilver | Small      | 1.5  | 2.0  | 21.76 | S   | 11/21/10 | 01/17/11 | 01/17/11   |             |    |       | 21   |

Subset: ToDo25 221 Shown (out of 3145) 7.0% Centre point = I-75 & SR70 Counts: 0 221 0 0

- Short form of waypoint name that's guaranteed unique
- Drops superfluous words, characters, and spaces
- More meaningful than GC code on GPSr
- Length set globally in Options or specifically with %smart=nn

All Symbols List

|                     |
|---------------------|
| 058TheScenic        |
| 067SuperSecr        |
| 1945MarblePo        |
| 19THParallel        |
| 2010InReview        |
| AfterAnAllNi        |
| <b>AlisonKrauss</b> |
| AllMotesMade        |
| AllMotesMadePK      |

From Current Location  
S 21.14<sup>m</sup>

# Filters

The screenshot shows the GSAK 7.7.3.45 software interface. The title bar reads "GSAK 7.7.3.45 DataBase: Cache". The menu bar includes File, Search, User Flags, View, Centre Point, Waypoint, Database, GPS, Macro, Tools, and Help. The toolbar contains various icons for file operations and database management. Below the toolbar, there are several dropdown menus and buttons for filtering and searching. A red box highlights the "Select a saved filter" dropdown menu, which is currently set to "FGA Central". Another red box highlights the "Cancel" button in the toolbar. A third red box highlights the "Filter" button in the toolbar. A fourth red box highlights the "Counts" section at the bottom right, which shows "7" in a yellow box, "17" in a red box, "12" in a green box, and "0" in a blue box. A fifth red box highlights the "Information about matching waypoints in Filter" section at the bottom center. A sixth red box highlights the "Displays current Filter" section at the bottom left. A seventh red box highlights the "Found, Not Found, Archived, and Owned waypoint counts" section at the bottom right. The main table displays a list of waypoints with columns for Code, Waypoint Name, Owner Name, Container, Diff, Terr, Miles, Brg, Placed, Changed, Last Found, DNF Date, Found by me, Hf, Usort, State, and County. The table is filtered to show 24 waypoints out of 3139, with a 0.8% match rate. The status bar at the bottom shows "Subset: FGA Central", "24 Shown (out of 3139) 0.8%", "Centre point = I-75 & SR70", and "Counts: 7 17 12 0".

| Code    | Waypoint Name                               | Owner Name         | Container  | Diff | Terr | Miles  | Brg | Placed   | Changed  | Last Found | DNF Date | Found by me | Hf | Usort | State | County   |
|---------|---|--------------------|------------|------|------|--------|-----|----------|----------|------------|----------|-------------|----|-------|-------|----------|
| GCRWHK  | ALWAYS- CAGAN CROSSING                      | Bumblebeetoo       | Small      | 1.0  | 1.0  | 79.22  | NE  | 01/04/06 | 06/17/10 | 11/22/07   |          | 11/22/07    |    | 645   | FL    | Lake     |
| GC13D95 | A River Restored Earthcache                 | JerseyGirl & Bruno | Not chosen | 1.5  | 2.0  | 81.12  | E   | 06/04/07 | 12/31/10 | 08/29/10   |          |             |    |       | FL    | Osceola  |
| GCWD1C  |   | FocslSwab          | Regular    | 1.5  | 1.0  | 81.91  | NE  | 06/03/06 | 06/17/10 | 11/22/07   |          | 11/22/07    |    | 644   | FL    | Osceola  |
| GCC142  | Celebrate Disney II                         | Blue Man           | Regular    | 1.0  | 1.0  | 82.38  | NE  | 01/08/03 | 06/17/10 | 11/22/07   |          | 11/22/07    |    | 642   | FL    | Osceola  |
| GC1QJ6G |   | FocslSwab          | Small      | 2.0  | 2.0  | 82.48  | NE  | 01/24/07 | 06/17/10 | 11/22/07   |          | 11/22/07    |    | 643   | FL    | Osceola  |
| GC15QNG | Lake Louisa Earthcache                      | Monetta55          | Not chosen | 1.0  | 1.0  | 82.80  | NE  | 09/06/07 | 12/31/10 | 12/25/10   |          | 11/22/07    |    | 646   | FL    | Lake     |
| GC22W23 | BK-12 Back to the Boardwalk                 | BroKarl            | Not chosen | 1.0  | 1.0  | 84.42  | NE  | 04/17/10 | 05/14/10 | 04/18/10   |          |             |    |       | FL    | Orange   |
| GC2APV3 | I'm here 2.....oh yeah, I'm here too!       | pumpkinking27      | Not chosen | 1.0  | 1.0  | 84.56  | NE  | 09/07/10 | 09/24/10 | 09/12/10   |          |             |    |       | FL    | Orange   |
| GC2KDPA | Expedition from the Great White North       | mrcanohead224      | Other      | 1.5  | 1.5  | 86.37  | NE  | 02/28/11 | 01/14/11 |            |          |             |    |       | FL    | Orange   |
| GC25RPC | Blackbeards Treasure                        | 4man2000           | Small      | 2.0  | 1.0  | 87.53  | NE  | 03/28/10 | 08/31/10 | 07/05/10   |          | 07/01/10    |    | 1821  | FL    | Orange   |
| GC2GPQT | M&G #2 - Dine and Cache                     | familycachefinders | Other      | 1.0  | 1.0  | 88.09  | NE  | 01/07/11 | 01/14/11 | 01/08/11   |          |             |    |       | FL    | Lake     |
| GC2GR5X | Meet & Greet #1 - The Beginning             | trippy1976         | Not chosen | 1.0  | 1.0  | 88.55  | NE  | 11/18/10 | 12/10/10 | 11/19/10   |          |             |    |       | FL    | Lake     |
| GC2886D | Geocaching "101'1/2" and GSAK! Part Deux    | the1acwright       | Not chosen | 1.0  | 1.0  | 90.72  | NE  | 05/27/10 | 06/04/10 | 05/30/10   |          |             |    |       | FL    | Orange   |
| GC20CPT | A bunch of Weir-dos in Florida              | drgoby             | Not chosen | 2.5  | 1.5  | 91.71  | NE  | 10/28/09 | 12/31/10 | 12/28/10   |          |             |    |       | FL    | Orange   |
| GC1WZTQ | Number Of The Beast                         | jim32809           | Not chosen | 5.0  | 1.0  | 97.16  | NE  | 08/08/09 | 10/12/10 | 10/03/10   |          |             |    |       | FL    | Orange   |
| GC2ANJC | The 1st Annual West Side BBQ                | Jarrodd88          | Other      | 1.0  | 1.0  | 99.40  | NE  | 08/01/10 | 09/24/10 | 08/08/10   |          |             |    |       | FL    | Orange   |
| GC1N8Y0 |   |                    |            |      |      |        |     | 03/02/09 | 07/06/10 |            |          |             |    |       |       |          |
| GC24ME7 | Cede's Night Time Adventure with StarDust25 | MercedesL          | Other      | 2.0  | 2.0  | 107.43 | NE  | 05/15/10 | 06/18/10 | 06/11/10   |          |             |    |       | FL    | Lake     |
| GC1P4AT | The Anti G-Rail                             | sk8er1113          | Small      | 2.5  | 2.0  | 107.56 | NE  | 03/24/09 | 10/26/10 | 08/14/10   |          |             |    |       | FL    | Lake     |
| GC26E09 | Top Secret CITO event                       | thelanes           | Regular    | 1.0  | 4.5  | 109.63 | NE  | 05/22/10 | 06/04/10 | 05/22/10   |          |             |    |       | FL    | Seminole |

- Multiple filters can be defined and selected from dropdown list
- Most filters can be specified using simple GUI controls
- More complex filters can be specified using SQLite WHERE clause
- Most operations in GSAK only apply to filtered waypoints

# Filters – General tab

1

Contains  
Does not contain  
RegEx  
Not(RegEx)

2

Any distance  
Less than or equal to  
Greater than or equal to  
Equal to  
Between (inclusive)

3

Contains  
Does not contain  
Equal to  
Not equal to  
Is empty  
Is not empty  
In list  
RegEx  
Not(RegEx)

4

Less than or equal to  
Greater than or equal to  
Equal to  
Between (inclusive)

5

Equal to  
Not equal to  
Is empty  
Is not empty  
In list

**Set Filter** Centre point = I-75 & SR70

General | Dates | Other | Logs | Arc/Poly | Children | Attributes | Where

Select a saved filter: **NONE** Reverse filter

Cache name: 1 Contains

Full text search:  Where to Search:  Everywhere  Selected Items Only  
 Highlight HTML  Use RegEx  Logs  User Notes  Description

Distance: 2 Any distance

Found status:  Found  Not Found

Placed by: 3 Contains

Difficulty: 4 Less than or equal to 5.0

Terrain: 4 Less than or equal to 5.0

Available status:  Archived  Temporarily Unavailable  Available

User flag:  Set  Not set Has travel bug:  Yes  No

User data: 3 Contains

User data 2: 3 Contains

User data 3: 3 Contains

User data 4: 3 Contains

Has user notes:  Yes  No First to find:  Yes  No

Travel bug name: 1 Contains

Source: 5 Equal to

Owner Name: 3 Contains

Symbol name: 3 Contains

Go Reset All Reset Tab Save Delete Cancel Help

Entire filter can be reversed



# Filters – Dates tab

**Set Filter** Centre point = I-75 & SR70

General | **Dates** | Other | Logs | Arc/Poly | Children | Attributes | Where

Last found date: Not applicable

Placed date: On or before 01/16/11

Date found by me: On or after 01/16/11

DNF date: Equal to 01/16/11

Date created: Between (inclusive) 01/16/11 01/16/11

Last update GPX: During The last [ ] Days

Last update user: Not During The last [ ] Weeks

Last log date: Compared to Last found date is the same

Last change date: Compared to Last found date is not within [ ] Months

is the same  
is older  
is the same or older  
is newer  
is the same or newer  
is within  
is not within

Go Reset All Reset Tab Save Delete Cancel Help

## Common behavior for all fields

- 1
- Not applicable → Date
  - On or before → Date
  - On or after → Date
  - Equal to → Date
  - Between (inclusive) → Date, Date
  - During → #, 2
  - Not during → #, 2
  - Compared to → 3, 4
- 2
- Days
  - Weeks
  - Months
  - Years
- 3
- Last found date
  - Placed date
  - Found by me date
  - DNF date
  - Created date
  - Last update GPX
  - Last update user
  - Last log date
  - Last change date
- 4
- is the same → #, 2
  - is older → #, 2
  - is the same or older
  - is newer
  - is the same or newer
  - is within
  - is not within

# Filters – Other tab

1 In range  
Not in range

2 Not applicable  
Less than or equal to  
Greater than or equal to  
Equal to  
Between (inclusive)

3 Contains  
Does not contain  
Equal to  
Not equal to  
Is empty  
Is not empty  
In list  
RegEx  
Not(RegEx)

4 Contains  
Does not contain  
Equal to  
Not equal to  
In list  
RegEx  
Not(RegEx)

5 Not applicable  
Less than or equal to  
Greater than or equal to  
Equal to

6 Any  
Less than or equal to  
Greater than or equal to  
Equal to  
Between (inclusive)

Set Filter
Centre point = I-75 & SR70
✕

General
Dates
Other
Logs
Arc/Poly
Children
Attributes
Where

**Cache types**

|   |                                    |  |  |
|---|------------------------------------|--|--|
| <input type="checkbox"/> Traditional      | <input type="checkbox"/> Virtual   | <input type="checkbox"/> Project APE           | <input type="button" value="Clear All"/><br><br><input type="button" value="Set All"/> |
| <input type="checkbox"/> Multi            | <input type="checkbox"/> Web Cam   | <input checked="" type="checkbox"/> Mega Event |  |
| <input type="checkbox"/> Letterbox        | <input type="checkbox"/> Mystery   | <input type="checkbox"/> Maze Exhibit          |  |
| <input checked="" type="checkbox"/> CITO  | <input type="checkbox"/> Benchmark | <input type="checkbox"/> Wherigo               |  |
| <input checked="" type="checkbox"/> Event | <input type="checkbox"/> Other     | <input type="checkbox"/> Waymark               |  |
| <input type="checkbox"/> Locationless     | <input type="checkbox"/> Earth     |  |  |

|  |   |   |  |  |  |                                       |  |  |                                       |  |  |   |   |   |  |   |   |  |  |
|--|---|---|--|--|--|---------------------------------------|--|--|---------------------------------------|--|--|---|---|---|--|---|---|--|--|
| <p><b>Bearing</b></p> <table border="0" style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> N</td><td><input checked="" type="checkbox"/> NW</td><td><input checked="" type="checkbox"/> NE</td><td><input checked="" type="checkbox"/> E</td><td><input type="button" value="Clear All"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> S</td><td><input checked="" type="checkbox"/> SW</td><td><input checked="" type="checkbox"/> SE</td><td><input checked="" type="checkbox"/> W</td><td><input type="button" value="Set All"/></td> </tr> </table> | <input checked="" type="checkbox"/> N     | <input checked="" type="checkbox"/> NW      | <input checked="" type="checkbox"/> NE   | <input checked="" type="checkbox"/> E    | <input type="button" value="Clear All"/> | <input checked="" type="checkbox"/> S | <input checked="" type="checkbox"/> SW | <input checked="" type="checkbox"/> SE | <input checked="" type="checkbox"/> W | <input type="button" value="Set All"/> | <p><b>Container size</b></p> <table border="0" style="width: 100%;"> <tr> <td><input checked="" type="checkbox"/> Micro</td><td><input checked="" type="checkbox"/> Small</td><td><input checked="" type="checkbox"/> Regular</td><td><input type="button" value="Clear All"/></td> </tr> <tr> <td><input checked="" type="checkbox"/> Large</td><td><input checked="" type="checkbox"/> Other</td><td><input type="button" value="Set All"/></td><td></td> </tr> </table> | <input checked="" type="checkbox"/> Micro | <input checked="" type="checkbox"/> Small | <input checked="" type="checkbox"/> Regular | <input type="button" value="Clear All"/> | <input checked="" type="checkbox"/> Large | <input checked="" type="checkbox"/> Other | <input type="button" value="Set All"/> |  |
| <input checked="" type="checkbox"/> N  | <input checked="" type="checkbox"/> NW    | <input checked="" type="checkbox"/> NE      | <input checked="" type="checkbox"/> E    | <input type="button" value="Clear All"/> |  |                                       |  |  |                                       |  |  |   |   |   |  |   |   |  |  |
| <input checked="" type="checkbox"/> S  | <input checked="" type="checkbox"/> SW    | <input checked="" type="checkbox"/> SE      | <input checked="" type="checkbox"/> W    | <input type="button" value="Set All"/>   |  |                                       |  |  |                                       |  |  |   |   |   |  |   |   |  |  |
| <input checked="" type="checkbox"/> Micro  | <input checked="" type="checkbox"/> Small | <input checked="" type="checkbox"/> Regular | <input type="button" value="Clear All"/> |  |  |                                       |  |  |                                       |  |  |   |   |   |  |   |   |  |  |
| <input checked="" type="checkbox"/> Large  | <input checked="" type="checkbox"/> Other | <input type="button" value="Set All"/>      |  |  |  |                                       |  |  |                                       |  |  |   |   |   |  |   |   |  |  |

**Degrees** 1 In range

Geocaching Owner ID #  2 Between (Inclusive)

Country 3 Contains

State 3 Contains

County 3 In list

Locked  Yes  No

DNF (Did not find)  Yes  No

Code 4 Contains

Corrected Coordinates  Yes  No

Watching this Cache  Yes  No

My Found Count 5 Greater than or equal to  Has child waypoints  Yes  No

Elevation 6 Between (Inclusive)   Feet

# Filters – Logs tab

1

- Not applicable → Date
- On or before → Date
- On or after → Date
- Equal to → Date
- Between (inclusive) → Date, Date
- During → #, 2
- Not during → #, 2

2

- Days
- Weeks
- Months
- Years

3

- All
- Last 1
- ↓
- Last 10
- Last 15
- Last 20
- Last 30
- Last 40
- Last 50
- Last 100

4

- Include
- Exclude

5

- Any number > 0
- Less than or equal to
- Greater than or equal to
- Equal to
- Between (inclusive)

Set Filter
Centre point = I-75 & SR70
✕

General
Dates
Other
Logs
Arc/Poly
Children
Attributes
Where

**Log Date** 1 During The last 100 Years 2

**Logs to search** 3 All  Found  Not Found  Others

**Include/Exclude** 4 Include This will include/exclude the cache in your subset if the following conditions are met

**Required Count** 5 Greater than or equal 2

**Log Types:**  Select all (Uncheck to select individual log types)

|  |  |
|--|--|
| <input type="checkbox"/> *Other              | <input type="checkbox"/> Publish Listing               |
| <input type="checkbox"/> Announcement        | <input type="checkbox"/> Retract Listing               |
| <input type="checkbox"/> Archive             | <input type="checkbox"/> Temporarily Disable Listing   |
| <input checked="" type="checkbox"/> Attended | <input type="checkbox"/> Unarchive                     |
| <input type="checkbox"/> Didn't find it      | <input type="checkbox"/> Update Coordinates            |
| <input type="checkbox"/> Enable Listing      | <input checked="" type="checkbox"/> Webcam Photo Taken |
| <input checked="" type="checkbox"/> Found it | <input type="checkbox"/> Will Attend                   |
| <input type="checkbox"/> Needs Archived      | <input type="checkbox"/> Write note                    |
| <input type="checkbox"/> Needs Maintenance   |  |
| <input type="checkbox"/> Owner Maintenance   |  |
| <input type="checkbox"/> Post Reviewer Note  |  |

**Logged by:**  (and log is by a certain person)

Exact match
  Allow wild card match
  Use RegEx
  Use gc.com logon ID#

Details

Go
 Reset All
 Reset Tab
 Save
 Delete
 Cancel
 Help

# Filters – Children tab



1

Contains  
Does not contain  
RegEx  
Not(RegEx)

2

Contains  
Does not contain  
Equal to  
Not equal to  
Is empty  
Is not empty  
In list  
RegEx  
Not(RegEx)

3

Final Location  
Parking Area  
Question to Answer  
Stages of a Multicache  
Trailhead  
Reference Point

4

Not applicable  
On or before → Date  
On or after → Date  
Equal to → Date  
Between (inclusive) → Date, Date  
During → #, 5  
Not during → #, 5

6

Contains  
Does not contain  
Is empty  
Is not empty  
RegEx  
Not(RegEx)

7

Not applicable  
Less than or equal to  
Greater than or equal to  
Equal to  
Between (inclusive)

Set Filter
Centre point = I-75 & SR70
✕

General
Dates
Other
Logs
Arc/Poly
Children
Attributes
Where

Code
1
Contains

Type
2
Equal to
Parking Area
3

Date
4
During
The last
2
Weeks
5

Name
6
Contains

Comments
6
Contains

By User

 Yes
  No

Count
7
Between (Inclusive)
1
100

Child flag actions

- Clear all child flags before setting filter
- Set matching child flags

Go
 Reset All
 Reset Tab
 Save
 Delete
 Cancel
 Help

5

Days  
Weeks  
Months  
Years

# Filters – Attributes tab

**Set Filter** Centre point = I-75 & SR70

General | Dates | Other | Logs | Arc/Poly | Children | **Attributes** | Where

Caches that have:  ALL the following attributes  ANY of the following attributes

|                         | Yes                                 | No                       | None                     |                            | Yes                      | No                       | None                     |
|-------------------------|-------------------------------------|--------------------------|--------------------------|----------------------------|--------------------------|--------------------------|--------------------------|
| Abandoned mines         | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Needs maintenance          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Abandoned Structure     | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Night Cache                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Access or parking fee   | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Off-road vehicles          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Available at all times  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Park and Grab              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Available during winter | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Parking available          | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Bicycles                | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Picnic tables nearby       | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Boat                    | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Poison plants              | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Campfires               | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Public restrooms nearby    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Camping available       | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Public transportation      | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Cliff / falling rocks   | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Quads                      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Climbing gear           | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Recommended at night       | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Cross Country Skis      | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Recommended for kids       | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Dangerous Animals       | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Scenic view                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dangerous area          | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Scuba gear                 | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Difficult climbing      | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Short hike (less than 1km) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Dogs allowed            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Significant hike           | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Drinking water nearby   | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Snowmobiles                | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Field Puzzle            | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Snowshoes                  | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Flashlight required     | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Special Tool Required      | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Food Nearby             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Stealth required           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Fuel Nearby             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Stroller accessible        | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Horses                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Takes less than an hour    | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Hunting                 | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Telephone nearby           | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Long Hike (+10km)       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Thoms                      | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Lost And Found Tour     | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Ticks                      | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| May require swimming    | <input type="checkbox"/>            |                          | <input type="checkbox"/> | Truck Driver/RV            | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| May require wading      | <input type="checkbox"/>            |                          | <input type="checkbox"/> | UV Light Required          | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Medium hike (1km-10km)  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Watch for livestock        | <input type="checkbox"/> |                          | <input type="checkbox"/> |
| Motorcycles             | <input type="checkbox"/>            | <input type="checkbox"/> | <input type="checkbox"/> | Wheelchair accessible      | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
|                         |                                     |                          |                          | Wireless Beacon            | <input type="checkbox"/> |                          | <input type="checkbox"/> |

# Filters – Where tab

## Boolean fields

DNF  
Found  
FTF  
HasCorrected  
HasTravelBug  
HasUserNote  
Lock  
LongHTM  
MacroFlag  
ShortHTM  
SmartOverride  
UserFlag  
Watch

## Numeric fields

Degrees  
Difficulty  
Distance  
Elevation  
FoundCount  
NumberOfLogs  
Terrain  
UserSort

## Date fields

Changed  
Created  
DNFDate  
FoundByMeDate  
LastFoundDate  
LastGPXDate  
LastLog  
LastUserDate  
PlacedDate  
UserNoteDate

**Set Filter** Centre point = I-75 & SR70

General | Dates | Other | Logs | Arc/Poly | Children | Attributes | **Where**

SQLite: "Where" clause:

```
Found AND (FoundByMeDate < '2008-02-28' OR (CacheType IN ('C','E','Z') AND Difficulty <= 2.0))
```

String and Date field values should be enclosed in single quotes.

Dates should be in YYYY-MM-DD format.

SQLite syntax is described here:  
<http://www.sqlite.org/lang.html>

Go Reset All Reset Tab Save Delete Cancel Help

## String fields

Bearing  
CacheID  
CacheType  
Code  
Container  
Country  
County  
Hints  
Latitude  
LatOriginal  
LongDescription  
Longitude  
LonOriginal  
MacroSort  
Name  
OwnerId  
OwnerName  
PlacedBy  
Resolution  
ShortDescription  
SmartName  
Source  
State  
Status  
Symbol  
TravelBugs  
Url  
User2  
User3  
User4  
UserData  
UserNote

# Filters – Arc/Poly tab

**Set Filter** Centre point = I-75 & SR70

General | Dates | Other | Logs | **Arc/Poly** | Children | Attributes | Where

**Arc/Polygon points**

# Latitude, Longitude  
# Both the following formats are supported  
#  
# 32.7123, -101.2045  
# S32 25.921, E 115 46.050  
#  
# To include a waypoint from the database  
# use the format W,xxxxxx (xxxxxx = code)  
# or just flag them and click on the button  
# below this box.  
27.499440,-82.313347  
27.501800,-82.302876  
27.527149,-82.302361  
27.527073,-82.285967  
27.542828,-82.285624  
27.547013,-82.277985  
27.555841,-82.259059  
27.555764,-82.252407

The arc filter is designed to include waypoints based on their proximity to an arc, which is a series of connected line segments similar to a route or a track but without any associated data other than the coordinates.

In its simplest form the arc filter contains only two points (that is, a straight line). However, you must also specify a distance from the arc you want waypoints selected.

You can also tick the exclude box to only select waypoints that are outside this distance from the arc.

Filter Type  
 Arc/Line  Polygon  Points

0.5 Distance in Miles (.5 = half a mile)  
 Exclude

Add user flagged

Get points from a file  
Select file  
 Replace  Append

GSAK polygon/arc drawing tool

Go Reset All Reset Tab Save Delete Cancel Help

- Arc/Line
  - Path made of line segments
  - Selectable distance from lines
  - Useful for caches along a route
- Polygon
  - Closed path made of line segments
  - Area is defined by interior
  - Useful for caches within a park
- Points
  - Collection of distinct points
  - Selectable distance from points
  - Useful for caches near hwy exits

Use Ctrl-V to paste the coord list copied from the drawing tool

Clicking here takes you to the web-based tool that will build a coord list ready for pasting into the box above

# GSAK Polygon/Arc Drawing Tool

**GSAK FORUM** GSAK Google Maps Polygon to CSV/GPX File Digitizer

Start Polygon Start Line Continue Drawing Clear Map Load Shape

Output:  CSV  GPX  TSV

No Active Polygon

Click 'Start Polygon' then add points to create polygon

For compatibility with Arc/Poly Filter

Search for location (by geocoding and/or dragging)

Geocode

1. Click 'Start Polygon' and add nodes.
2. Click again on the last node to close polygon.
3. To edit once closed, mouse over and drag the nodes. Click on a node to delete it.
4. Copy and paste window above and save to a .csv or .gpx file

Paste a CSV or TSV file in the 'Load Shape' box and click 'Load Shape' to edit an existing shape.



# GSAK Polygon/Arc Drawing Tool (cont)

**GSAK FORUM** GSAK Google Maps Polygon to CSV/GPX File Digitizer

Start Polygon Start Line Continue Drawing Clear Map Load Shape

Output:  CSV  GPX  TSV

Map Sat Ter Topo MyTopo

Example of a Virtual node (coords not listed in table)

Example of a Real node (coords listed in table)

Click once here, then Ctrl-C to copy the coords to the clipboard

Last node is equal to first node for a closed polygon

First/Last node

```

27.499440,-82.313347
27.501800,-82.302876
27.527149,-82.302361
27.527073,-82.285967
27.542828,-82.285709
27.555841,-82.259188
27.555764,-82.252407
27.505074,-82.253609
27.504846,-82.276011
27.516721,-82.275925
27.516645,-82.280302
27.520527,-82.280302
27.520603,-82.284937
27.518161,-82.285967
27.516188,-82.288113
27.512687,-82.288370
27.512611,-82.293177
27.511393,-82.293262
27.511316,-82.291803
27.509718,-82.291803
27.509642,-82.290516
27.503551,-82.290688
27.493426,-82.306652
27.495405,-82.308712
27.497385,-82.311544
27.499440,-82.313347
    
```

Search for location (by geocoding and/or dragging)  Geocode

■ Polygon 1 (26 points)

1. Click 'Start Polygon' and add nodes.
2. Click again on the last node to close polygon.
3. To edit once closed, mouse over and drag the nodes. Click on a node to delete it.
4. Copy and paste window above and save to a .csv or .gpx file

Paste a CSV or TSV file in the 'Load Shape' box and click 'Load Shape' to edit an existing shape.

When you drag a Virtual node to a new position, it becomes a Real node and two new Virtual nodes appear on either side of it

# Sending to GPS

**Send Waypoints to GPS** (Total = 34) ✕

GPS Symbols (Not all symbols are supported on all GPSs)

Traditional+Found = Custom 0 ; Found  
Traditional+Not Found = Custom 1 ; Traditional  
Traditional+Placed = Custom 12 ; Owned  
Traditional+Archived = Custom 18 ; Archived  
Multi+Found = Custom 0 ; Found  
Multi+Not Found = Custom 1 ; Traditional  
Multi+Placed = Custom 12 ; Owned  
Multi+Archived = Custom 18 ; Archived  
Letterbox+Found = Custom 0 ; Found  
Letterbox+Not Found = Custom 1 ; Traditional  
Letterbox+Placed = Custom 12 ; Owned

Use macro for symbol generation  
 Override with database symbol name (if not blank)

Send options for GPSMAP 60CSx  Use Defaults

Include additional child waypoints  
 Yes  And ONLY child waypoints (no parents)

Include...  
 All children  Only flagged  Only unflagged

Waypoint name  
You can build the waypoint name using tags (see help)  
  
Maximum characters

Problem characters to remove from description

Waypoint description format (comments)

Force all data sent to GPS to be Uppercase  Turn on debug mode

Settings

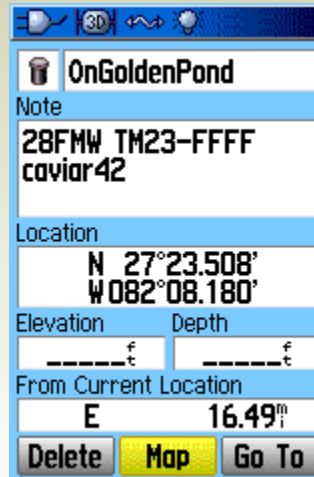
# Sending to GPS – Special Tags

|              |                                  |
|--------------|----------------------------------|
| %bug         | Travel bug status                |
| %by          | Placed by                        |
| %c_Code      | Child full code                  |
| %c_Code1     | Child 1 character code           |
| %c_Comment   | Child comments                   |
| %c_Name      | Child name                       |
| %c_Prefix    | Child prefix                     |
| %c_ShortName | Child short name                 |
| %c_Type      | Child type                       |
| %children    | Child separator in format string |
| %code        | Waypoint code (e.g. GCXXXX code) |
| %con         | Container type                   |
| %con1        | Container type (M,S,R,L,V,U)     |
| %correct     | Corrected coordinate status      |
| %county      | County name                      |
| %crypt       | Encrypted hint                   |
| %datef       | Date last found                  |
| %dif         | Difficulty in full               |
| %dif1        | Difficulty (1,2,3,4,...,8,9)     |
| %dif1a       | Difficulty (1,A,2,B,...,D,5)     |
| %drop2       | Like %code without first 2 chars |
| %hint        | Decoded hint                     |
| %last4       | Last 4 found/not found logs      |
| %mtag        | Macro tag optimized for speed    |
| %name        | Cache name                       |
| %ownerName   | Cache owner name                 |
| %smart       | GSAK "unique smart name"         |
| %shortname   | Like %smart but not unique       |
| %ter         | Terrain in full                  |
| %ter1        | Terrain (1,2,3,4,...,8,9)        |
| %ter1a       | Terrain (1,A,2,B,...,D,5)        |
| %typ         | Cache type                       |
| %typ1        | Cache type (T,M,B,C,E,V,W,R,I,U) |
| %user        | User data                        |
| %user2       | User data 2                      |
| %UserNote    | User note (without log section)  |
| %UserSort    | User sort                        |

**Example using the following waypoint format strings –**

**Name:** %smart %children%smart%c\_Prefix

**Description:** %drop2 %typ1%con1%dif1%ter1%bug=+-%last4 %by



|         |                  |
|---------|------------------|
| %smart  | OnGoldenPond     |
| %drop2  | 28FMW            |
| %typ1   | T (Traditional)  |
| %con1   | M (Micro)        |
| %dif1   | 2 (D=1.5)        |
| %ter1   | 3 (T=2.0)        |
| %bug=+- | - (noTravel Bug) |
| %last4  | FFFF (all Finds) |
| %by     | caviar42         |

# Sending to GPS – Macro Symbol Generation

```
# Symbol Generation Macro for the Garmin GPSmap 60SCx

BEGINCASE
CASE IsOwner()
  $_Symbol = "Custom 12"    # Owned
CASE $d_Found
  $_Symbol = "Custom 0"    # Found
CASE $d_Archived OR $d_TempDisabled
  $_Symbol = "Custom 18"   # Archived / Temp Disabled
CASE $d_DNF
  $_Symbol = "Custom 6"    # Not Found (DNF)
CASE $d_CacheType = "T" AND $d_Container = "Micro"
  $_Symbol = "Custom 4"    # Traditional Micro
CASE $d_CacheType = "T"
  $_Symbol = "Custom 1"    # Traditional
CASE $d_CacheType = "M" AND $d_HasCorrected
  $_Symbol = "Custom 10"   # Multi with corrected coords
CASE $d_CacheType = "M"
  $_Symbol = "Custom 2"    # Multi
CASE $d_CacheType = "U" AND $d_HasCorrected
  $_Symbol = "Custom 10"   # Unknown/Mystery with corrected coords
CASE $d_CacheType = "U"
  $_Symbol = "Custom 3"    # Unknown/Mystery
CASE $d_CacheType = "V"
  $_Symbol = "Custom 7"    # Virtual
CASE $d_CacheType = "W"
  $_Symbol = "Custom 13"   # Webcam
CASE $d_CacheType = "B"
  $_Symbol = "Custom 8"    # Letterbox
CASE $d_CacheType = "E" OR $d_CacheType = "Z" OR $d_CacheType = "X"
  $_Symbol = "Custom 14"   # Event / Mega Event / GPS Adventures Maze
CASE $d_CacheType = "R"
  $_Symbol = "Custom 9"    # Earth
CASE $d_CacheType = "C"
  $_Symbol = "Custom 15"   # CITO
:
:
```


Using a macro for symbol generation provides the most control over how symbols are assigned since it can take into account more than just cache type and status.

Custom 0 to 5:  
Custom 6 to 11:  
Custom 12 to 17:  
Custom 18 to 23:





# Getting Help

- Help File
  - Accessed from  button on toolbar, or help menu
  - Thoroughly documented and well organized
  - Many common problems are covered in the GSAK FAQ
  - Most screen graphics can be clicked on to get specific help
- Dialog Help Buttons
  - Gives you context-sensitive help
- GSAK Forum (<http://gsak.net/board>)
  - Knowledgeable, and patient with new users (no flaming)
  - Getting Started – Read Me First!
- Read the Tutorials in the GSAK Forum
  - GSAK 101 – Getting Started
  - GSAK 201 – Customizing GSAK
  - GSAK 302 – Macros



- Title Slide “GSAK – Introduction”
- What is GSAK?
- Offline vs. Online Database
- Installing GSAK
- Installing GSAK – Latest Patch
- Screen Elements
- GC.com Member ID and GPX Version
- Initial Configuration – General
- Initial Configuration – Locations
- Initial Configuration – Abbreviations
- Update User Information
- Architecture and Work-flow
- Pocket Query Types
- Standard PQs – Cache Selection Criteria
- PQs – Using “Date Placed” Ranges
- Load Pocket Query
- Pocket Query Load Summary
- Download Pocket Queries – Basic Tab
- Download Pocket Queries – Advanced Tab
- Get Geocaches – Basic Tab
- Get Geocaches – Google Map Tool
- Get Geocaches – Advanced Tab
- Main Window
- Updating Existing Caches in Database
- Favorite Points
- Add to Bookmark List
- Center Point
- Sorting
- Child (Additional) Waypoints
- Corrected Coordinates
- Notes
- Key Concepts
- Databases
- Creating a New Database
- Views
- Views – Selecting Columns (Fields)
- Views – Supported Columns (Fields)
- Smart Names
- Filters
- Filters – General tab
- Filters – Dates tab
- Filters – Other tab
- Filters – Logs tab
- Filters – Children tab
- Filters – Attributes tab
- Filters – Where tab
- Filters – Arc/Poly tab
- GSAK Polygon/Arc Drawing Tool
- GSAK Polygon/Arc Drawing Tool (cont)
- Sending to GPS
- Sending to GPS – Special Tags
- Sending to GPS – Macro Symbol Generation
- Getting Help



# GSAK – Advanced

(Geocaching Swiss Army Knife)



v8.0.1

by Rich Bianchi aka Cache U Nuts

# Publish Logs – Fetch

**Publish logs**

General options

- Automatically apply templates
- Show only unpublished

Macro1

Macro2

Fetch from Gpsr/File

- Copy field notes to GSAK user notes
- Copy field notes to GSAK log section
- Ignore logs before... 01/17/12
- Delete file after fetch
- Archive/backup file
- Time zone: -05:00

| Code | Name | Seq | Log type | Date/Time | Zone | Published |
|------|------|-----|----------|-----------|------|-----------|
|------|------|-----|----------|-----------|------|-----------|

**No unpublished logs found**

To populate the grid with log entries, right mouse click in this area and select "Fetch":

- From filter** - Make sure you have first set a filter of the caches you would like to publish logs for. This option will then populate the grid with these caches
- From GPSr** - This option will attempt to locate your GPSr and import the Geocache\_vists.txt or Cachenotes.txt file
- From file** - This option will prompt you for compatible with the standard Geocache\_vis

Fetch

- From GPSr
- From filter
- From file
- From current cache

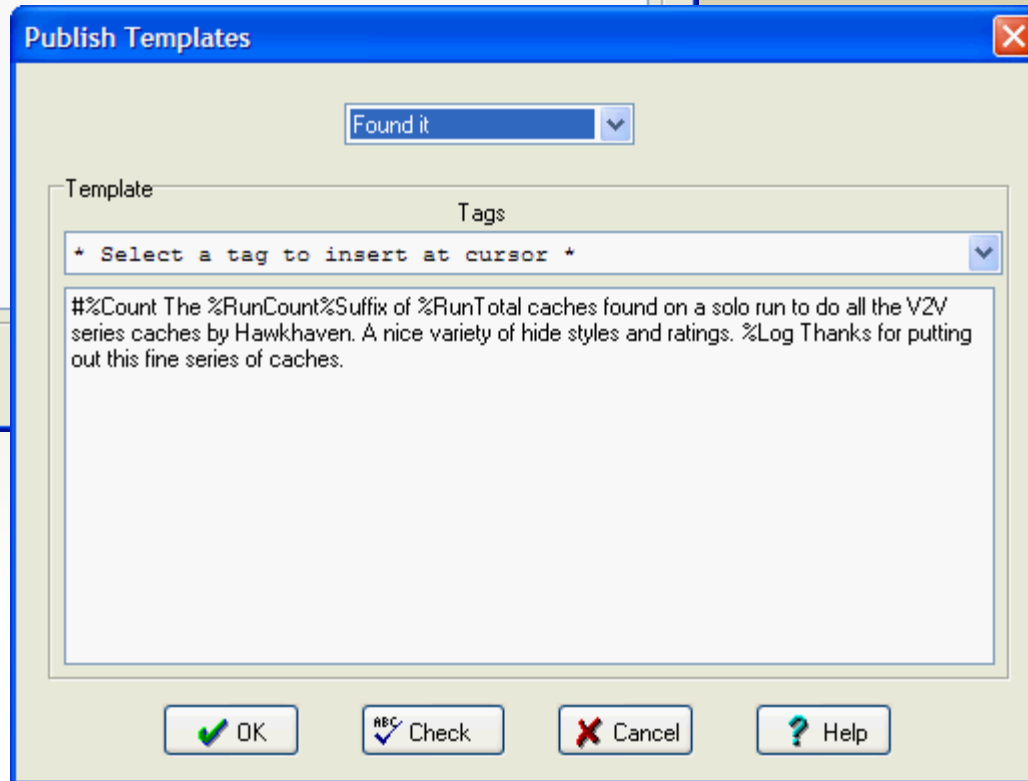
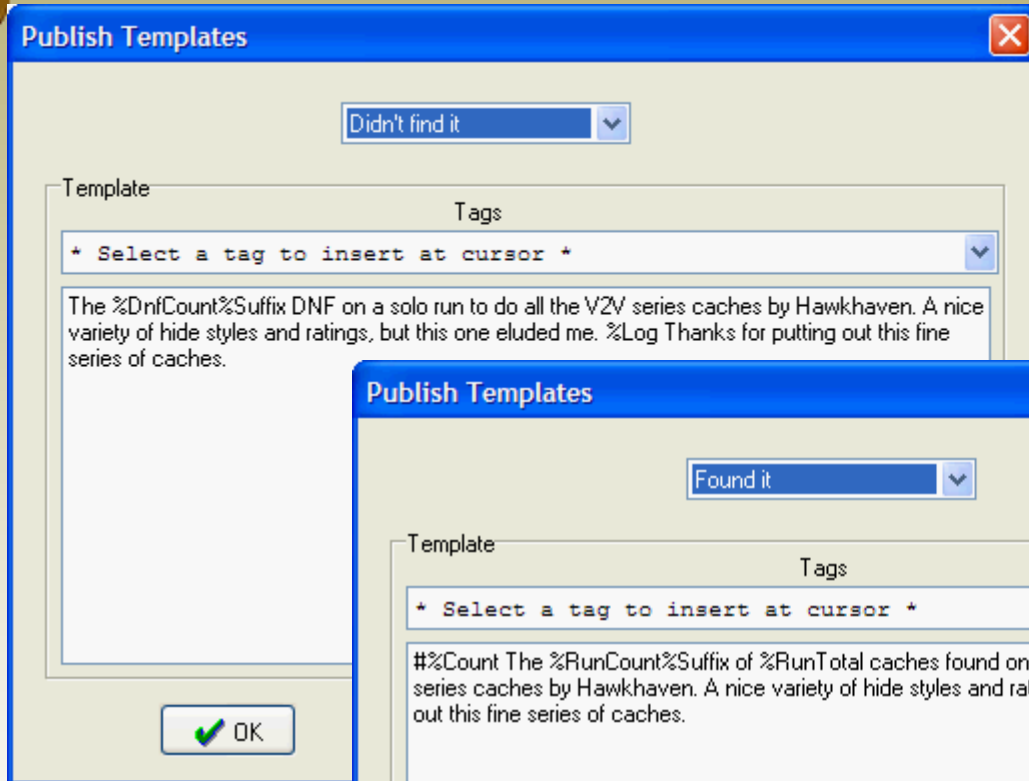
Find next Find previous Highlight Match case

Publish all Publish selected Templates Cancel Help

- Enter log text in the User Notes of each cache first before doing the fetch
- If you will be using Fetch From Filter, filter for caches to publish and sort in chronological order before the fetch
- If you will be using Templates, define them first before doing the fetch
- Make sure the Time Zone is set before doing the fetch



# Publish Logs – Templates



- Define a template to use for each log type required
- Various tags can be selected from the drop down list to provide commonly used dynamic values
- %Date and %Time allow for a number of different formats (see Help for info)
- %Count tag gets its starting value from GC.com
- %Log tag gets its text from the Log portion of the User Note of the cache (you can use this to include personalized notes for each log)

# Publish Logs – Populated Grid

**Publish logs**

General options

- Automatically apply templates
- Show only unpublished

Macro1

Macro2

Fetch from Gpsr/File

- Copy field notes to GSAK user notes
- Copy field notes to GSAK log section
- Ignore logs before...
- Delete file after fetch
- Archive/backup file

Time zone:

| Code    | Name                     | Seq  | Log type       | Date/Time           | Zone   | Published |
|---------|--------------------------|------|----------------|---------------------|--------|-----------|
| GC2W425 | V2V Chapman Oak          | 4840 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W42J | V2V Osprey               | 4850 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5GJ | V2V Little Peeper        | 4860 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5H2 | V2V One Weird Woodpecker | 4870 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5HA | V2V Nicked               | 4880 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5J0 | V2V Away From Home       | 4890 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5JJ | V2V Going Green          | 4900 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5J9 | V2V Girls Rule Redux     | 4910 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5RE | V2V Good Neighbors       | 4920 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5RT | V2V View to the South    | 4930 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2WR5W | V2V Live Oak             | 4940 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2WW41 | V2V Rover's Fav          | 4950 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2WW44 | V2V It's Really There    | 4960 | Didn't find it | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2WW3X | V2V Snowbird Stopover    | 4970 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |
| GC2W5T8 | V2V 60s Dance            | 4980 | Found it       | 2011-11-18 19:00:00 | -05:00 | No        |

Match case

- Seq – Sequence number used only for ordering logs (can be changed to alter fetched order)
- Log type – shown if defined (finds on all events are converted to “Attended” and webcam finds are converted to “Webcam Photo Taken”)
- Date/Time – are shown in UMT format
- You can remove caches from the list by selecting them and clicking on the Delete button
- Standard selection is supported

# Publish Logs – Edit

Log text tab allows you to edit text and tags

**Publish log edit**

Edit log |

**GC37R6V: Paparazzi by Lady Gaga**

Log type: Found it Sequence: 4900  Add favorite point

Log date/time: 01/21/12 7:00:00 PM

Field notes:

Tags: **Count:** Cache Total

Log text | Preview

[%Count] The %RunCount%Suffix find with the kids on our way to the CacheApalooza 6 event. If you like, you can modify the text provided by the template in order to make the log specific to this cache. Thanks %OwnerName% for the cache.

Check

Template

OK

Preview tab replaces tags to see the result

**Publish log edit**

Edit log |

**GC37R6V: Paparazzi by Lady Gaga**

Log type: Found it Sequence: 4900  Add favorite point

Log date/time: 01/21/12 7:00:00 PM Time zone: -05:00

Field notes:

Log text | Preview

😊 01/21/12



[2762] The 4th find out of 8 caches attempted with the kids on our way to the CacheApalooza 6 event. If you like, you can modify the text provided by the template in order to make the log specific to this cache. Thanks John&Jelene for the cache.

OK

# Publish Logs – Trackables

**Trackables**



**My Trackable Inventory**

| Code                    | Name                          | Image   | Action |
|-------------------------|-------------------------------|---|--------|
| <a href="#">TB1DBJA</a> | Gingerbread Geocoin           |  |        |
| <a href="#">TB4H0XF</a> | Gilded Celtic Peacock Geocoin |  |        |

Context menu options: Edit..., Drop..., Visit..., Visit all..., Remove action

Buttons: Find next, Find previous, Highlight

**Cache trackables for: GC37R6V Paparazzi by Lady Gaga**

| Code                    | Name              | Image   | Action |
|-------------------------|-------------------|---|--------|
| <a href="#">TB414GE</a> | Radio Flyer Wagon |  |        |
| <a href="#">TB4J00E</a> | Park Pal          |  |        |

Context menu options: Edit..., Discover..., Retrieve..., Remove action

Buttons: Find next, Find previous, Highlight

Buttons: OK, Refresh, Cancel, Help

- Get here by clicking Trackables button on Publish Log Edit dialog
- Used to manage trackables when logging (retrieve, drop, etc.)
- Selecting an action prompts for tracking number and comments



# Macros – Overview

- Written in proprietary GSAK Macro Language
- Plain text file with default GSK extension
- Has full access to the SQLite Database
- Supports GUI Dialogs for user interaction
- Hundreds of macros submitted by users
- Most complex is over 20K lines of code
- Download from GSAK Forum Macro Library
- A macro can be run:
  - From the Macro Manager
  - By clicking on a user-defined Tool Button
  - By double-clicking on the file in Explorer



# Macros – Simple Code Example

```
# Select the nn closest caches to current

CENTER
SORT By="Distance" Sequence=A
INPUT Msg="nn closest caches to select" Default="200"
$Number = Val($Result)
GOTO Position=Top
MACROFLAG Type=Clear Range=All
MACROFLAG Type=Set Range=$Number
MFILTER If=$d_MacroFlag
```

# Macros – Macro Manager

Run Macro

Installed Macros | Other |

[Online Macro Index](#) Search  Clear

Double click or press "Enter" on any macro to run it (right click to "edit") Macros listed: 235

| Macro File               | Description   | Version | File Date            | Last Run             | Run Count | Author            |
|--------------------------|---|---------|----------------------|----------------------|-----------|-------------------|
| CountWaypoints.gsk       | Count Waypoints   | 1.2     | 06/21/09 10:53:19 PM | 12/24/10 12:40:26 PM | 13        | Kai Team          |
| ListLogs.gsk             |   |         | 08/03/08 6:35:40 PM  | 12/31/10 12:10:33 AM | 230       | Cache U Nuts      |
| FindMyFavs.gsk           | Find candidates for favorite caches                             | 1.1     | 01/02/11 7:35:42 PM  | 12/31/10 5:08:00 PM  | 4         | Kai Team          |
| SyncUserData.gsk         | Sync User Data Fields Between Two Databases                     | 2.0.0   | 02/18/10 12:06:41 AM | 01/01/11 12:41:30 AM | 131       | Cache U Nuts      |
| BadgeGenBeta.gsk         | Generates badges based on your geocaching accomplishments.      | 2.3.26  | 01/01/11 2:24:13 PM  | 01/02/11 2:56:11 PM  | 31        | ky.m.guy          |
| HTML_MyLogs.gsk          | My Logs Split Screen macro                                      | 1.2     | 07/29/10 5:50:40 PM  | 01/05/11 10:21:39 AM | 514       | Lignumacqua       |
| Elevation.gsk            | Elevation technology test                                       | 1.7     | 01/05/11 10:34:07 PM | 01/05/11 4:01:18 PM  | 2         | Lignumacqua       |
| PlacedPQ.gsk             | Generate PQ placed by dates                                     | 2.3     | 10/26/10 7:48:07 PM  | 01/05/11 6:08:35 PM  | 3         | Clyde, lignumaqu  |
| HTML_DualMap.gsk         | Dual Map Split Screen macro                                     | 1.0     | 03/24/10 7:48:38 AM  | 01/06/11 12:27:06 AM | 14        | Lignumacqua       |
| HTML_DiffTerr.gsk        | Show Diff/Terr Array Split Screen macro                         | 1.2     | 08/05/08 4:34:41 PM  | 01/06/11 9:16:45 AM  | 430       | Lignumacqua / C   |
| HTML_Database Stats.gsk  | Display Database Stats in Split Screen                          | 1.4     | 02/25/08 9:12:04 PM  | 01/06/11 9:17:08 AM  | 10        | Kai Team & lignu  |
| PuzzleBounds.gsk         | Compute 2 mile Lat/Lon bounds for puzzle caches                 | 1.0.0   | 09/23/09 9:23:17 AM  | 01/06/11 11:07:35 AM | 43        | Cache U Nuts      |
| CacheCop.gsk             | Select caches with Drf's and Maintenance or Archive requests.   | 3.01    | 01/06/11 12:04:20 PM | 01/06/11 12:04:30 PM | 1         | Wayne (Team R     |
| Challenge.gsk            | Summarize Challenges Cache Status (DeLorme, USGS quad,...)      | 2.20    | 01/06/11 2:35:57 PM  | 01/06/11 2:36:02 PM  | 8         | Heiner Lieth (a.k |
| LocalCacher.gsk          | LocalCacher.gsk Get to Know your local cachers                  | 3.0.7   | 01/04/11 6:56:19 PM  | 01/06/11 3:28:24 PM  | 7         | Temble Ts         |
| Google_Map_V3.gsk        | Google Maps V3  | 1.2     | 01/04/11 9:04:01 AM  | 01/06/11 4:32:38 PM  | 7         | Lignumacqua       |
| CacheRoute.gsk           | Creates an optimized driving route between Caches               | 0.9     | 05/29/10 12:24:27 AM | 01/06/11 5:15:57 PM  | 6         | Lignumacqua       |
| HTML_Google Maps Nearest | Google Maps Nearest Caches Split-Screen macro                   | 1.3     | 06/19/10 12:14:05 PM | 01/06/11 5:15:58 PM  | 340       | Lignumacqua       |
| SyncNoteCorr.gsk         | Sync User Note and Corrected Coordinates Between Databases      | 2.0.0   | 03/17/10 1:23:56 PM  | 01/08/11 9:00:23 AM  | 298       | Cache U Nuts      |
| HTML_Logs.gsk            | Logs Split Screen macro   | 1.5     | 05/22/10 2:52:03 PM  | 01/08/11 10:48:04 AM | 491       | Lignumacqua       |
| AddLogs.gsk              | Add missing logs  |         |                      |                      | 1223      | Kai Team & Lign   |
| FindStatGen40Beta.gsk    | Find Statistics Generator (4.0)                                 |         |                      |                      | 44        | Rutson & Lignu    |
| myGMEv3.gsk              | myGME - GSAK Google maps Export                                 | 3.00k_a | 07/21/07 8:20:13 PM  | 07/17/11 1:51:02 PM  | 508       | markp99           |
| LogACache.gsk            | Log cache online using data keyed into GSAK notes (log section) | 1.52    | 12/04/10 2:58:54 PM  | 01/11/11 3:01:30 PM  | 198       | Clyde - heavily m |
| GenUploadStats.gsk       | Generate and Upload stats to GC.com                             | 1.58    | 06/16/10 9:26:52 AM  | 01/11/11 3:07:45 PM  | 99        | Hulkman           |
| FindStatGen41Beta.gsk    | Find Statistics Generator (4.1)                                 | 4.1.04B | 01/11/11 2:56:25 PM  | 01/11/11 3:07:45 PM  | 3         | Rutson & Lignu    |
| ListAttendance.gsk       | List event cache attendance in alphabetical order               | 1.0     | 07/03/08 4:40:29 PM  | 01/11/11 4:34:20 PM  | 66        | Cache U Nuts      |
| HTML_WideView.gsk        | Wide View Split Screen Viewer                                   | 3.6     | 02/03/10 11:41:53 PM | 01/12/11 11:52:43 AM | 95899     | NashTech, Inc.    |

Run Version? Install Uninstall Re-sync Cancel Help

**Link to searchable master index of all uploaded macros**

**Runs the selected macro (same as double-click or Enter)**

**Checks for newer versions of installed macros and optionally installs the updates**

# Macros – Install Macro

**GSAAK FORUM** **GSAAK Macro Library Index**

Macro Download Index Search:  (Click any column head to sort by that column) RSS Feed

| Macro Name                       | Ver   | Author       | Date       | Description  |
|----------------------------------|-------|--------------|------------|--|
| <a href="#">FizzyBrowser</a>     | 1.6.5 | Cache U Nuts | 2011-01-11 | Fizzy Challenge Browser macro                                |
| <a href="#">FizzyChallenge</a>   |       |              | 2008-01-18 | Filter on Diff/Terr combinations and Types you haven't found |
| <a href="#">FizzyChallenge33</a> |       |              | 2008-09-18 | Filter on Diff/Terr combinations and Types you haven't found |
| <a href="#">FizzyTest</a>        | 1.2   | Kai Team     | 2008-02-03 | Determine if challenge has been met                          |

Time for query: 0.468 seconds

Clicking link takes you to the forum post with the latest version of the macro

**Cache U Nuts** **Posted:** January 10, 2011 12:41 pm

**FizzyBrowser - v1.6.5 01/10/2011**

# v1.6.5 01/10/11 - Updated GC15E8N (MA) cutoff date.

Attached File ( Number of downloads: 16 )

[FizzyBrowser.gsk](#) **Click**

1 User(s) are reading this topic (0 Guests and 0 Anonymous Users)

1 Members: [Cache U Nuts](#)

« [Next Oldest](#) | [Challenge Macros](#) | [Next Newest](#) »

**Opening FizzyBrowser.gsk**

You have chosen to open

**FizzyBrowser.gsk**  
which is a: GSAK Macro File  
from: http://gsak.net

What should Firefox do with this file?

**Open with:** GSAK Geocaching program (default)

Save File

Do this automatically for files like this from now on.

**OK** **Cancel**

Click then install the macro when prompted





# Macros – Some Very Useful Macros

## **Split Screen**

|                           |   |
|---------------------------|---|
| HTML_GoogleMapsNearestV3  | Google map showing caches near currently selected cache         |
| HTML_Google_Map_Elevation | Google map with elevation profile of interactively defined path |
| HTML_Logs                 | Lists expandable summary of logs for selected cache             |
| HTML_MyLogs               | Displays own logs only  |

## **Map**

|               |   |
|---------------|---|
| MyGMEv3       | Full-featured map output  |
| Google_Map_V3 | Google map high-performance map (handles large numbers of caches) |
| CacheRoute    | Creates an optimized driving route between caches (limit 25)      |

## **Challenge**

|              |  |
|--------------|--|
| Challenge    | Maps progress for various DeLorme-style challenges                 |
| FizzyBrowser | Shows Found/Unfound candidates for various Fizzy-style challenges  |
| LocalCacher  | Lists progress for various Know Your Local Cacher-style challenges |

## **Statistics**

|             |   |
|-------------|---|
| FindStatGen | The ultimate Found Statistics generator   |
| BadgeGen    | Generates badges for various achievements |



# Macros – Some Very Useful Macros (cont)

## **FSG Plugins**

|                                       |   |
|---------------------------------------|---|
| FSGPlugin_CacheMap                    | Display a map of found or placed caches                       |
| FSGPlugin_CachesIAwardedFavoritePoint | Display caches you awarded a favorite point                   |
| FSGPlugin_DTChartWithList             | Display Diff/Terr chart with ability to show a list of caches |
| FSGPlugin_FirstCacheByCounty          | Display the 1st cache you found in every county               |
| FSGPlugin_ABC                         | Display alphabetical challenge progress                       |
| FSGPlugin_Oldest                      | Display 10 oldest caches found                                |

## **Misc**

|                    |   |
|--------------------|---|
| LogACache          | Enter log online from User Note                         |
| CacheMateLogging   | Cachemate to GSAK Logging                               |
| NuviExport         | Basic Nuvi Export for 36xx series (and other models)    |
| TomTom             | Cache and Child Waypoint exporter for TomTom Navigators |
| CopyColumnToColumn | Copy data from one GSAK column to another column        |

# Macros – Google\_Map\_V3.gsk

**Map** ▼

- Map
- Terrain
- Satellite
- Hybrid
- OSM
- OCM
- MyTopo
- MapQuest
- Bing

**GC9FD7**  
**Largest Oak - Hendry County**  
by: kq4ym

Difficulty: 1.0 Terrain: 1.0  
Size: Virtual

You have found this cache!  
View: 60° Flag: 🚧 Sort: +1

POWERED BY Google

20 km  
20 mi

Map data ©2011 Google, NEGI - Terms of Use

# Macros – CacheRoute.gsk

Fastest Route

Map Sat OSM

Calculate Roundtrip

Calculate One Way Trip

Left-click on map to add additional user 'Via' points.  
Maximum 24 points in total

Map data ©2010 Google, INEGI - Terms of Use

# Macros – CacheRoute.gsk (cont)

## Route Data

One Way Trip duration: 54 min 18 sec, Trip length: 37 km - 23 miles

Update User Sort

Update User Sort (Start at 1)

Expand Directions



### GC2HG77 - Where in the World?

Head north on Brookwood Dr

0.3 mi

Continue onto Mississippi Ave

0.5 mi

Turn left at County Rd 775/Placida Rd  
Destination will be on the right

2.1 mi



### GC2HPBB - Show Your Colors! (2.9 mi and 7 mins from last)

Head south on County Rd 775/Placida Rd toward Eagle Preserve Dr

2.5 mi



### GC24KY3 - More Questions? (2.5 mi and 5 mins from last)

Head northwest on County Rd 775/Placida Rd toward Gasparilla Dr

2.1 mi

Turn right at Rotonda Blvd W

2.3 mi

Turn left at Parade Cir

0.4 mi

Turn right at Rotonda Blvd N  
Destination will be on the right

46 ft



### GC241WC - Questions? (4.7 mi and 10 mins from last)

Head south toward Rotonda Blvd N

0.3 mi

Turn right toward Parade Cir

0.2 mi

Take the 1st right onto Parade Cir  
Destination will be on the right

0.1 mi



### GC23AR7 - This Way or That Way (0.5 mi and 3 mins from last)

# Macros – BadgeGen.gsk



The Groundspeak Geocaching Logo is a registered trademark of [Groundspeak, Inc.](#) Used with permission.  
The logo and geocaching.com icons are used with Permission.

[More Information about the Badges](#)

[More Information about the Belt](#)

# Customization – Macro Buttons

The dialog box is titled "Macro Button Configuration" and has a close button (X) in the top right corner. It contains the following fields and controls:

- Macro Button:** A dropdown menu showing "1 - GUS" with a downward arrow.
- Button Text:** A text input field containing "GUS".
- Button Description and Hint:** A text input field containing "Generate and Upload stats".
- Macro File Name:** A text input field containing "GenUploadStats" with a folder icon to its right.
- Icon file name:** A text input field with a folder icon to its right.
- Pixel values (leave blank for defaults):** Two input fields for "Height" and "Width". Below them, it says "Default values, Height: 28 Width: 28".
- Toolbar sample:** A small rectangular button with the text "GUS" inside.
- Buttons:** "Save" (with a green checkmark), "Cancel" (with a red X), and "Help" (with a question mark).

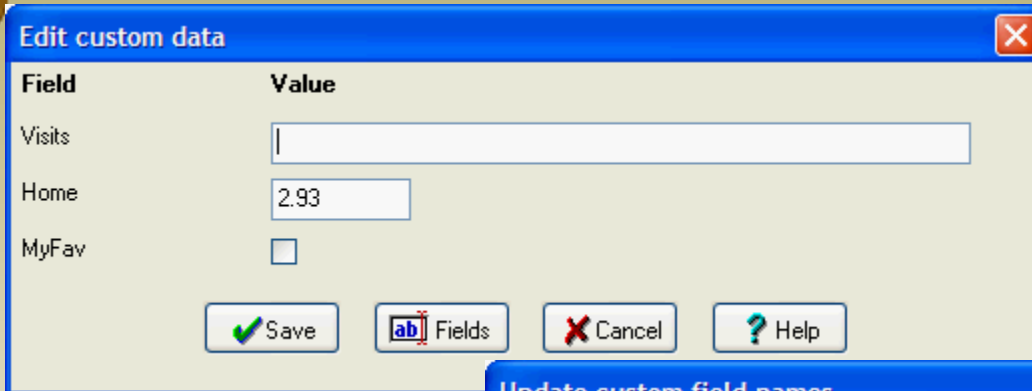
- Defines up to 20 macro buttons
- Button height and width will apply to all defined buttons

- Be sure to select “Macros” and *not* “Macro” category!
- Drag one of the available buttons to the Speedbar to add it
- Drag a button off the Speedbar to remove it

The dialog box is titled "Customize Speedbar" and has a close button (X) in the top right corner. It contains the following elements:

- Categories:** A list of categories including View, Centre Point, Waypoint, Database, GPS, Macro, Tools, Geocaching.com acce, Other, Macros (highlighted), Spacers, and Custom Urls.
- Available buttons:** A list of buttons with their icons and names: "M All Macros", "GUS Generate and Upload stats" (highlighted), "GME Google Maps Export", "FSG Find Statistics Generator", "FCX Found Cache Xref", and "GM3 Google Map V3".
- Buttons:** "OK" and "Help".
- Instructions:** "To add command buttons, drag and drop buttons onto the SpeedBar. To remove command buttons, drag them off of the SpeedBar."

# Customization – Custom Fields



**Edit custom data**

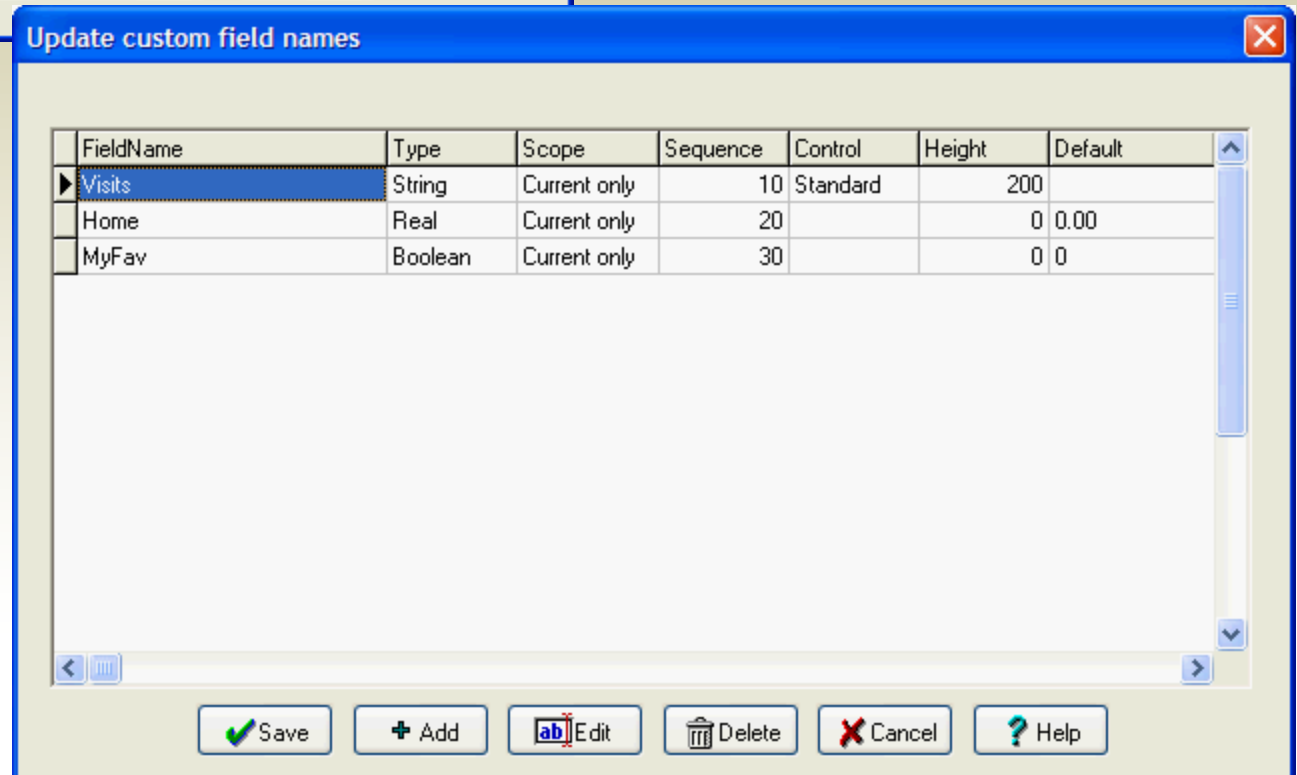
| Field  | Value                             |
|--------|-----------------------------------|
| Visits | <input type="text"/>              |
| Home   | <input type="text" value="2.93"/> |
| MyFav  | <input type="checkbox"/>          |

Save Fields Cancel Help

Arrive at this dialog by:

- Waypoint=>Custom Data
- clicking the "Custom" button in the Waypoint=>Edit dialog

Arrive at this dialog by clicking the "Fields" button in the dialog above



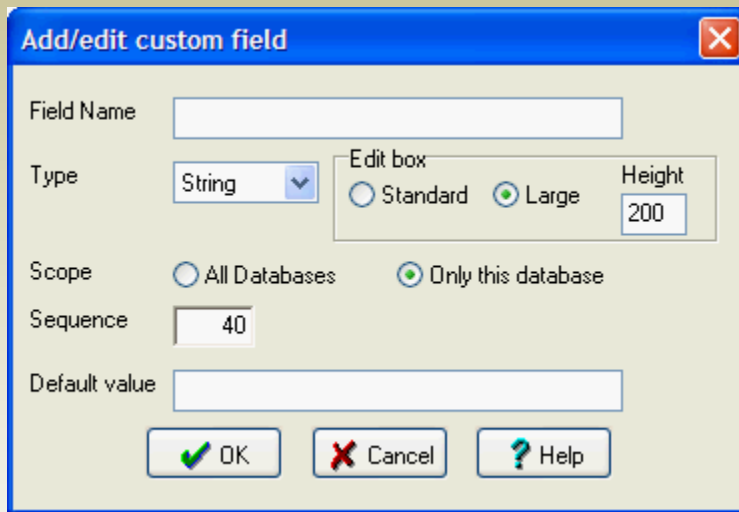
**Update custom field names**

| FieldName | Type    | Scope        | Sequence | Control  | Height | Default |
|-----------|---------|--------------|----------|----------|--------|---------|
| ▶ Visits  | String  | Current only | 10       | Standard | 200    |         |
| Home      | Real    | Current only | 20       |          | 0      | 0.00    |
| MyFav     | Boolean | Current only | 30       |          | 0      | 0       |

Save + Add Edit Delete Cancel Help



# Customization – Custom Fields (cont)



**Add/edit custom field**

Field Name

Type  Edit box  
 Standard  Large Height

Scope  All Databases  Only this database

Sequence

Default value

- Field Name - Name used to reference this field
- Type – String, Integer, Real, Date, or Boolean.
- Standard String is one line, Large String is the specified height
- Scope - Designate the field to appear in all databases, or just the current one only (global vs local)
- Sequence - The order the field will display in dialogs
- Default - The default value when a new cache record is added to the database



# Open Discussion

Can I ...

How do I ...

I'm having problems with ...

What's the best way to ...

Why can't I ...



- Title Slide “GSAK – Advanced”
- Publish Logs – Fetch
- Publish Logs – Templates
- Publish Logs – Populated Grid
- Publish Logs – Edit
- Publish Logs – Trackables
- Macros – Overview
- Macros – Simple Code Example
- Macros – Macro Manager
- Macros – Install Macro
- Macros – Some Very Useful Macros
- Macros – Some Very Useful Macros (cont)
- Macros – Google\_Map\_V3.gsk
- Macros – CacheRoute.gsk
- Macros – CacheRoute.gsk (cont)
- Macros – BadgeGen.gsk
- Customization – Macro Buttons
- Customization – Custom Fields
- Customization – Custom Fields (cont)
- Open Discussion