



DBGallery Quick Tour: Custom Fields

DBGallery has the ability to define your own data fields. This isn't just custom data tags, but special data fields where your own tag categories can be added and used for finding images. Many types of organizations from education, manufacturing, mining, the sciences, and many more, have a need or would find it convenient to store and search for their own type of data about an image.

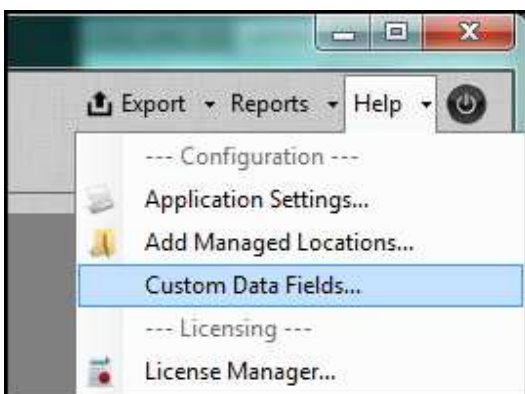
Custom fields can help get data tags out of keywords or other less appropriate data areas. If you've found yourself entering part numbers or people names into keywords, that type of data can not be placed in their own data fields. This is huge for clarity of an image's overall documentation can categorization, allows for more defined searches, and makes for an overall better organized collection.

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1. The menu item

Get to the Custom Data Fields definition by select the following from DBGallery's main menu.



2. The Custom Fields Definition dialog

This is where using custom fields begins. It is where custom fields are setup. Each row in the screenshot below represents one custom field. Any number of fields may be defined here.

- Before entering these definitions, ensure nobody else is using DBGallery. This is because these definition make fundamental changes to the database, and others using it needs to restart their DBGallery desktop software so those changes are recognized.

Label	Description	Size	Del	Records Used In
Part #	Company part number.	Single Line	✕	
Composition	Materials comprising the part.	Multi Line	✕	
People	Any people in the image, with faces or otherwise.	Multi Line	✕	

Buttons: + Add Custom Field, Save and Close, Cancel

Column Descriptions:

- The Label is the name of the new data field, and will be what identifies it throughout the system.
- Description will be shown in the Tooltip popup window as the mouse hovers over the field names in various of the user interface. Enter something which will explain to all users what data is entered in the field. For example, for People, should photos with just faces be tagged with the person's name, or should it also include photo where people are present even if their face isn't shown? Or if the field was Weight, would it be measured in pounds or kilograms.
- Size refers to whether there is a single line to enter data or if multiple lines are needed to enter and display the data. See screenshot below this section for examples of the differences these make on the screen.
- To remove a field from the database, press the X in the Del column. It will simply change put a strikethrough through the row until "Save and Close" is pressed, at which point the definition and all data associated with field for all images in the database will be deleted. If the deleted records strikeout font is in the way of organizing the list, press 'Save and Close' to have it deleted then come back into the Custom Fields dialog.
- "Record Used In" displays how many images are tagged with data for each field. If the number is 0, nobody is entering data into that field for images in the database.

Notes:

- It is ok to change the order of fields. Data will be preserved and will simply be displayed in a different order.
- Renaming a label will not remove existing data. If existing data would not be relevant after the rename, do a Delete then add a new field.

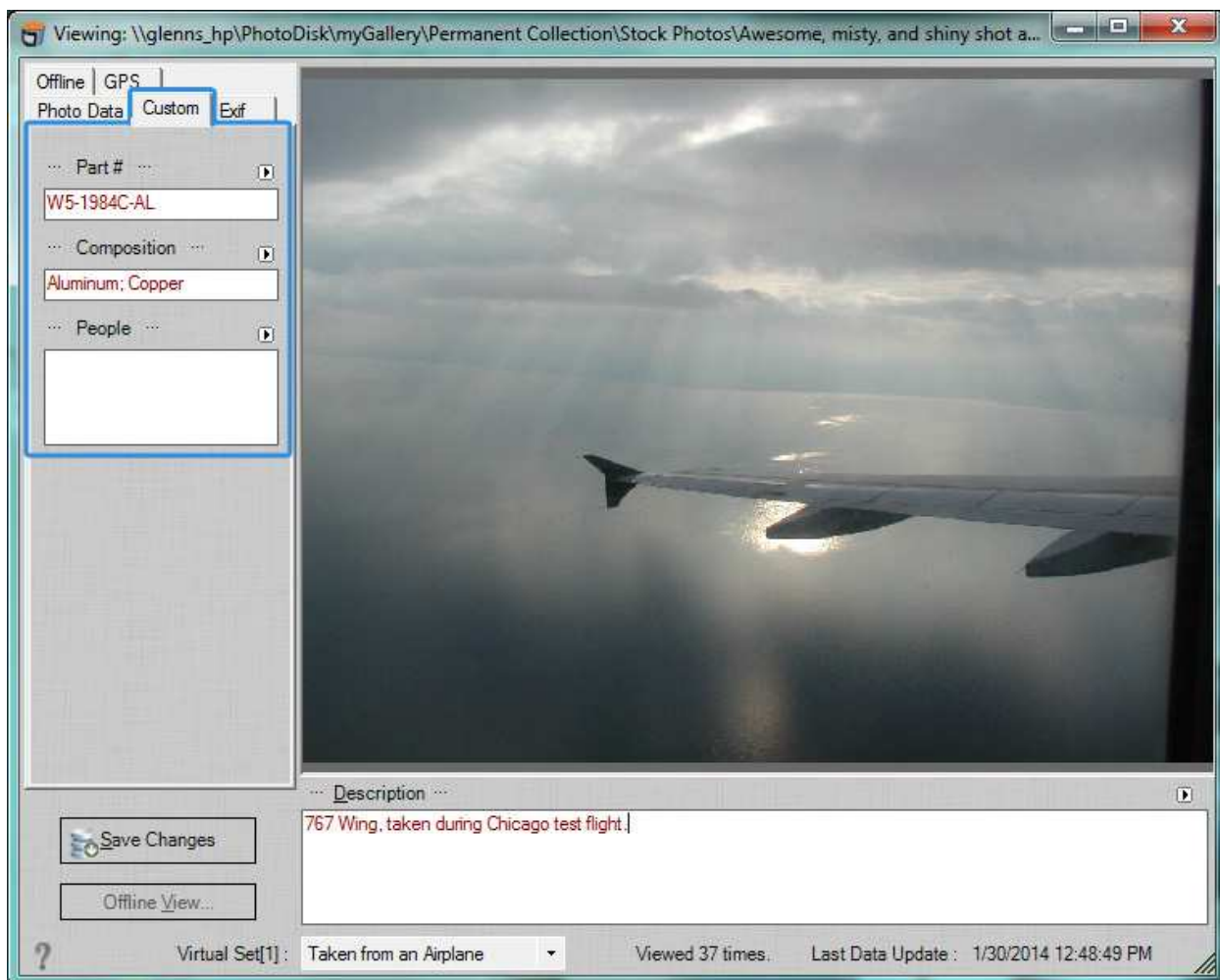
3. Enter custom data

Once defined, custom data fields will show up in the View & Edit window, within it's own tab.

The maximum amount of data size which can be entered into a custom data field is 64kb (65,535 bytes).

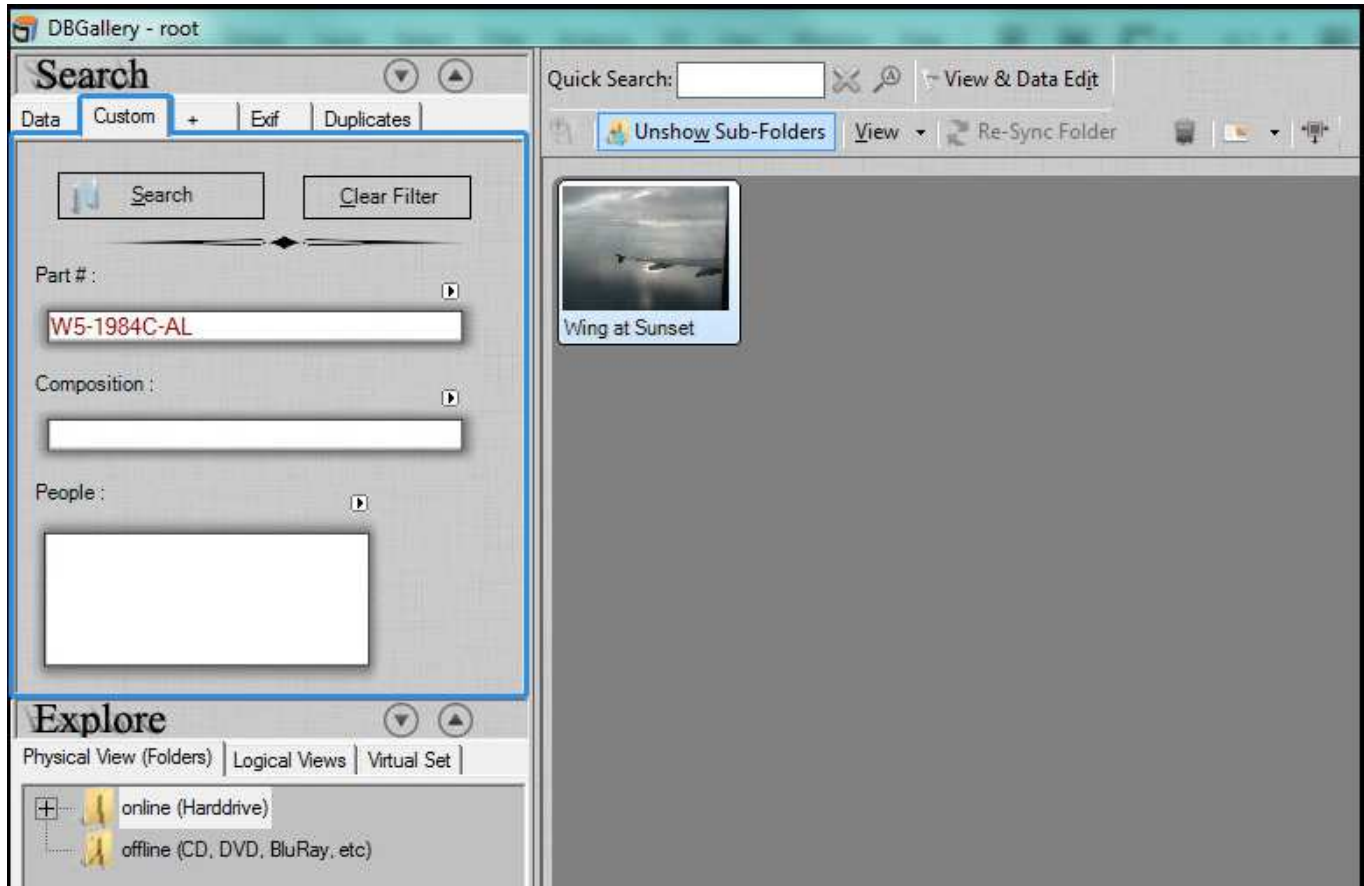
Data is entered into custom fields in the same manor as other fields such as keywords.

- Use the semi-colon or comma to seperate tags
- Press the little arrow (or Ctrl-L) to the top right of the field to see a list of previous entries keyed into this field
- When editing multiple images, press Ctrl-D to see the tag differences in each image being edited
- If you see a "(Multiple Values)" in the field, place a semi-colon or comma after the ')' to add to the values which currently exist (e.g. key "(Multiple Values); Steel" to have add Steel to each selected image. Or replace "(Multiple Values)" to remove all existing values from all selected images.
- Unlike non-custom fields, pause the mouse over a field name to see it's description. E.g. Rest a mouse cursor over "Part #" below to see "Any people in the image, with faces or otherwise." which was entered in the description column in the definitions dialog in section 2 above.



4. Search using custom data

Searching for data is as with all other search fields: go to the new Custom tab, or enter the search term in the box which globally searches across all fields. Press Ctrl-L or the little arrow to the top right of the field to bring up a complete list of tags which exists for this field (see next section).



5. Selecting from previous tag entries.

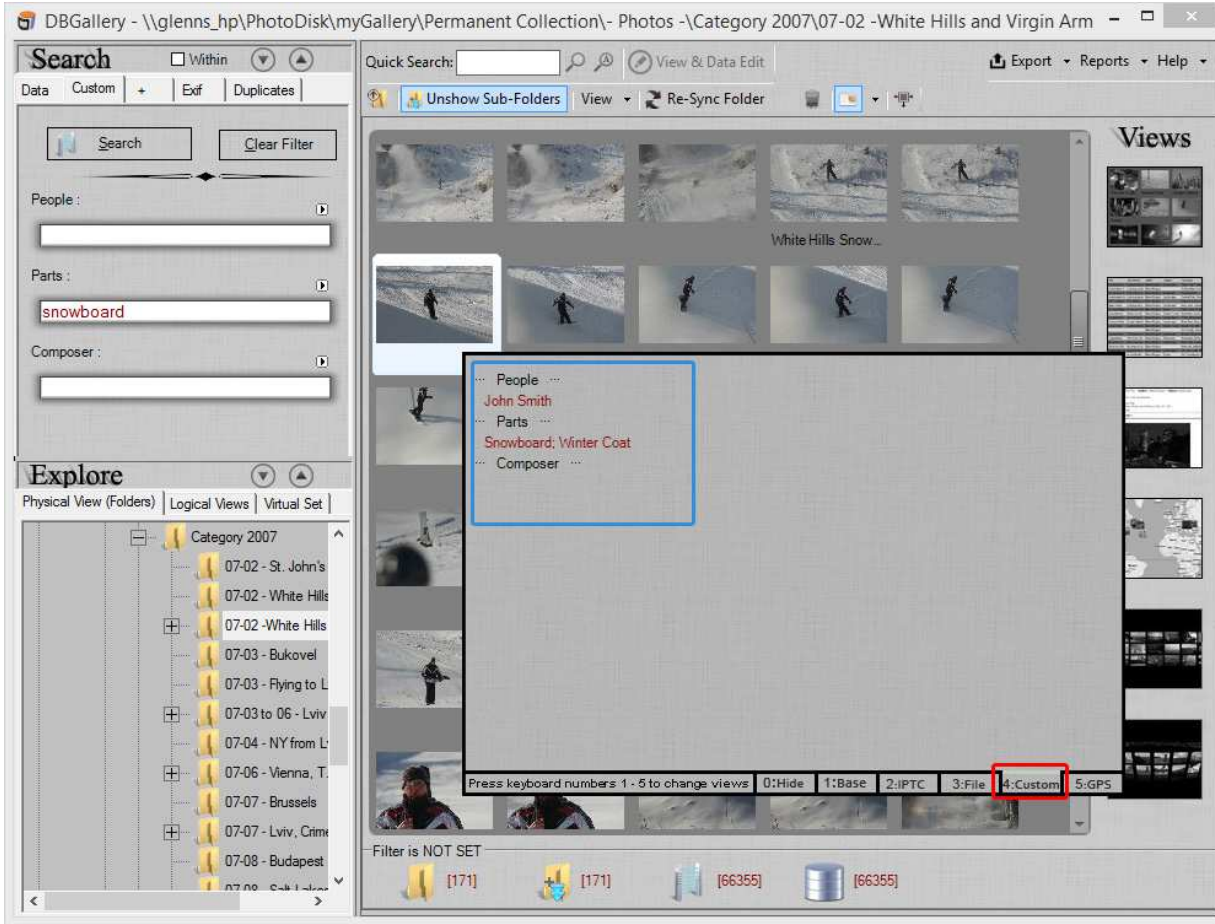
Press Ctrl-L or the little arrow to the top right of the field to bring up a complete list of tags which exists for this field.

The screenshot displays the DBGallery application window. The title bar reads "DBGallery - \\glenns_hp\PhotoDisk\myGallery\Music\Genre - Classical\Vivaldi - Le Quattro Stagioni - Itzhak Perlman". The interface includes a search bar, a "Quick Search" field, and a "Views" panel on the right. A dropdown menu is open over the "Composer" field, listing the following composers: Beethoven, Bizet, Chopin, Händel, Hayden, Mozart, Tchaikovsky, and Vivaldi. The "Explore" panel on the left shows a tree view of music folders, including "Haydn Symphonies Nos...", "J.Haydn,Sinf.Nr.12-83-8...", "Karajan - Collection - Vie...", "Mozart - Concerts for P...", "Mozart - Premium Edition, Vol. 1 (Concerts...", "Mozart - Premium Edition, Vol. 40 (Sympho...", "Slatkin - Breathe - Relaxing Music from th...", "Slatkin Conducts Tchaikovsky Ballets", "Tchaikovsky (The Best of, 3 Discs)", "The Four Seasons - Itzhak Perlman (1 - 1...", "Vivaldi - Le Quattro Stagioni - Itzhak Perfr...", and "Genre - Electronic - Techno". The main display area shows a grid of album covers for "ANTONIO VIVALDI - LE QUATTRO STAGIONI" by Itzhak Perlman. The status bar at the bottom indicates "Filter is NOT SET" and shows icons for folders, a plus sign, and two database icons with counts [12], [66343], and [66343].

6. Quick View Cards

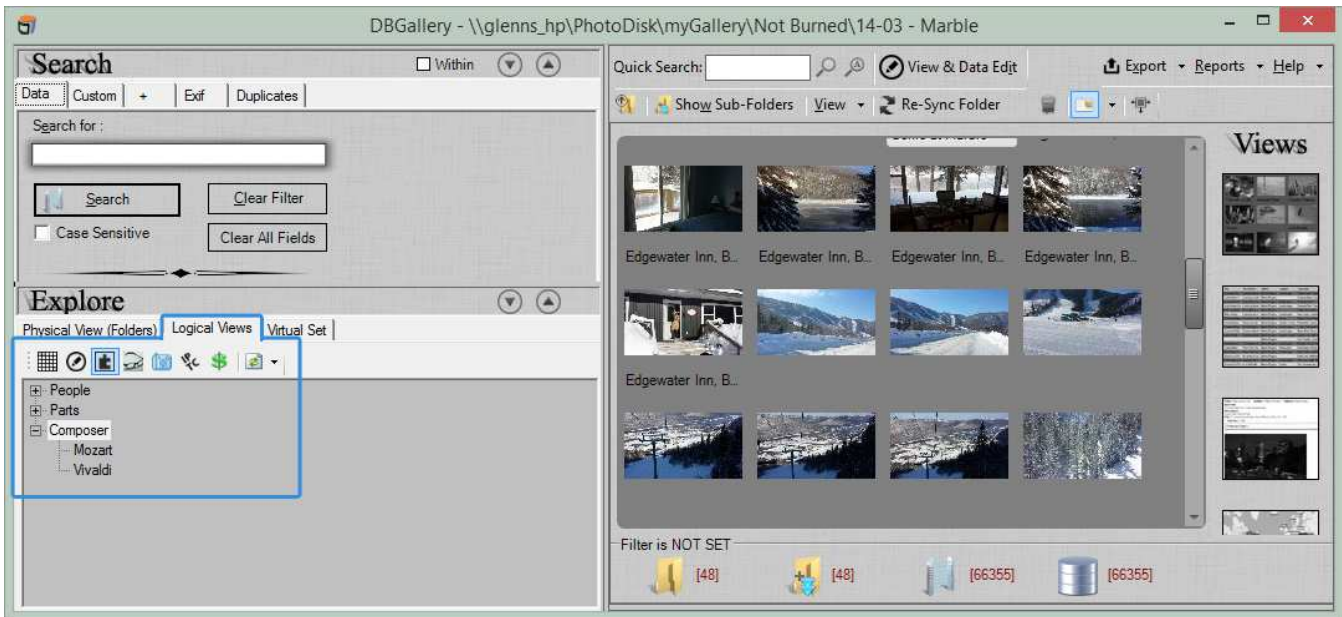
See a QuickView of the data while rolling mouse over image thumbnails.

To see the QuickView custom data, press the number 4 on the keyboard while focus is on the thumbs area of DBGallery (press 0 to turn it off). As the mouse moves of each thumbnail, custom data for that image will appear.



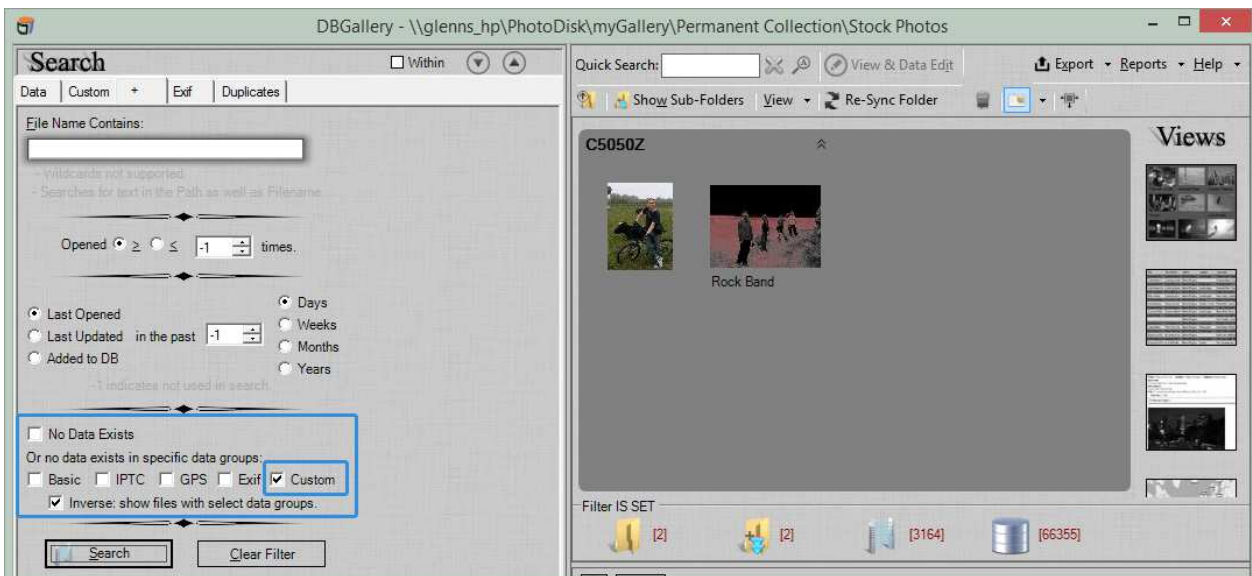
7. Explore in Logical Views

Logical Views enables browsing the collection via data which exists for images. The data which exists for all images in the database is shown as a tree view. Simply click on a tag to its related images.



8. Where custom data exists

Look for where custom fields' data exists and where it doesn't. Like to know which images have data entered for custom fields? The + tab under Search allows for showing images where custom data has been keyed, or to show all images which have no custom fields data entered yet.



9. Include data with exports.

When emailing or exporting to pdf files, choose which data is included.

The screenshot shows the 'DBGallery: eMailGallery' application window. It features several configuration sections:

- Photo Size:** Radio buttons for 200 x 150, 400 x 300, 640 x 480, 800 x 600, 1024 x 768, 2048 x 1536, and Original Size (selected). A note states: "[Note: Size aspect ratio is retained.]"
- Photo (JPEG) Quality:** A dropdown menu set to '8'.
- Watermarks:** A button with a water drop icon.
- Data to Include:** A central area with three columns of checkboxes:
 - Primary DBG Data -** Includes Title, Author, Subject, Keywords (checked), Notes, Description, IPTC Content, Headline, IPTC Subject Code, and Desc. Writer.
 - File Info:** Includes File Name (of original) and File Size (of original).
 - Exif Data:** Includes Camera Model, Date Taken, Image Width and Height (checked), Exposure, F Number, Aperture, ISO, and Flash Fired.
- People, Parts, and Composer:** A separate list with checkboxes for People (checked), Parts (checked), and Composer (checked).
- Using Webmail Client:** A checkbox with a globe icon, labeled "Using Webmail Client" and "E.g. Gmail, Hotmail, etc." Below it, a note says: "(A PDF file with photos and data will be created which can be attached.)"
- Advanced: Photo Attachment Options:** A section with a checked "Use Advanced Options" checkbox and three sub-options:
 - Also include original images as attachments
 - Instead of images in the body, include them as attachments. (Images are converted to jpg at the size specified above.) (Selected)
 - Exclude data from the body (iteration e. a blank email body with photo attachments).

Buttons for 'OK' and 'Cancel' are located on the right side of the window.

10. Search and View Online (if using DBGallery web server plugin).

For those searching and viewing the collection over the web, custom fields is fully supported there as well. The search looks for data entered into custom fields. There is a Custom tab which shows each resulting images' data.

The screenshot displays the DBGallery web interface. The browser address bar shows the URL: `cloud.dbgallery.com/default.aspx?openNodes=|10547&selectedNode=10548&showSidebar=0`. The page title is "DBGALLERY: PHOTO DATABASE SYSTEM". A sidebar on the left lists folders: "All Folders", "Company Photo Assets", "Architecture", "Company Shared", "Engineering", "Legal", and "Marketing". The main content area shows a search result for "Taj Mahal, India". The search results are displayed in a grid of six images. The selected image is the Taj Mahal, India, which is shown in a larger view. Below the image, there is a metadata table with the following data:

Info	IPTC	File	GPS	Preview	Download	Custom
Taj Mahal, India ★★★★★						
People:	Emperor Shah Jahan's					
Parts:	Marble					
Composer:						

11. Notes

- Custom fields are first-class data fields within DBGallery, where they may be found in every place keywords, title and other static data fields reside. Hence they will have not just data entry and search, but may be included in email, pdf exports, csv data export, show on QuickView cards, etc. (The only exception: The first release does not include having it written directly to the image file itself.)
- If no custom data fields are defined, the Custom tab will not show on any of the screens. Essentially, once custom data fields are defined it turns on custom areas across the application.
- Custom data entered for each image is not stored in the file itself. These data tags exists only in the database. DBGallery writes data to files in industry standard areas of the file, for which there isn't a place for these custom fields. A future release is writing of DBGallery is likely to write custom data fields to a 'custom blob' area of image files where at least DBGallery will be able to read custom data.

12. Use only when appropriate.

It is recommended not to create new custom fields without putting some thought into whether they are appropriate and if existing data fields might hold that data. If keywords are not already over-used, data may can go there, for example.

Also, please note that custom data is not stored in the file itself, so this data does not more around with the files themselves (as is the case with the standard DBGallery IPTC/XMP data fields).