

# INSTRUCTIONS FOR ACCESSING REPEAT PHOTO AND GLACIER IMAGES VIA USGS FTP SITE



## **\*\*Web Browser:**

On the address line of the browser type: [ftp.cbi.usgs.gov/pub/nrmisc/repeat\\_photo](ftp.cbi.usgs.gov/pub/nrmisc/repeat_photo)

To download repeat photo pairs choose the directory called "High Res Repeat Photo Pairs". This directory has files named so that you can recognize paired groups. There are both .jpg and .tif versions of each photo (the .tif files are higher resolution, thus much larger files). In this folder we have included both color and black and white versions of the photos taken since 1998. The file name will identify the photo group year photo was taken\_photographer\_color or BW (black and white) version.

Additional graphics, PowerPoint slides, and other photos are available by opening each glacier's individual folder (in the "repeat\_photo" directory).

Select images you want to transfer (to select multiple images press the control key as you select images by clicking on them.) Right click and select 'copy to folder'. Choose your destination folder and click 'OK'. Files will be transferred. See page two of this document to determine files of interest or download the file PHOTO LIST.doc to see a description of files.

**\*\*\* In addition to giving credit to the photographer, please give credit to the Glacier National Park Archives for use of the historic photos and to USGS for repeat photos. Photos by Jerry DeSanto should be credited solely to him.\*\*\***

## **\*\*FTP Software:**

Open FTP software and enter the following information on the appropriate lines.

Host Name/Address: <ftp.cbi.usgs.gov>

User ID: **anonymous**

Password: [guest@unknown](#)

Initial Remote Host Directory: **pub/nrmisc/repeat\_photo/**

This is the path to the folder where the images are located. You may not have a section labeled 'initial remote host directory' on your software, but this is the address for the destination folder – path to it however your software dictates.

To download repeat photo pairs choose the directory called "High Res Repeat Photo Pairs". This directory has files named so that you can recognize paired groups. There are both .jpg and .tif versions of each photo (the .tif files are higher resolution, thus much larger files). In this folder we have included both color and black and white versions of the photos taken since 1998. The file name will identify the photo group\_year photo was taken\_photographer\_color or BW (black and white) version.

Additional graphics, PowerPoint slides, and other photos are available by opening each glacier's individual folder (in the "repeat\_photo" directory).

Select files you are interested in transferring and designate your destination folder (to select multiple images press the control key as you select images by clicking on them). See page two of this document to determine files of interest or download the file PHOTO LIST.doc to see a description of files.

Initiate transfer. Files will be transferred and software will indicate how much time each file will take.

**\*\*\* In addition to giving credit to the photographer, please give credit to the Glacier National Park Archives for use of the historic photos and to USGS for repeat photos.\*\*\***

**NOTE:** Page 4 of this document shows some of the repeat photos available in the "High Res Repeat Photo Pairs" and "Grinnell" folder. Other photos and graphics are available that are not displayed.

**If you have any problems or questions please contact:**

**Lisa McKeon  
USGS - Glacier Field Station  
Glacier National Park  
West Glacier MT 59936  
406/888-7923 wk  
[lisa\\_mckeon@usgs.gov](mailto:lisa_mckeon@usgs.gov)**

## Grinnell Glacier Repeat Photo Directory

- Please credit *Glacier National Park Archives* when using historic photos and *USGS* for repeat photos
- TIF image resolution is 300 dpi or better
- JPG image resolution is 75 dpi
- "BW" in file name identifies the photo as the black and white version

### PHOTO ARCHIVES

<u>Description</u>	<u>Filename</u>	<u>Year</u>	<u>Photographer</u>
<b>Historic Photo:</b> Grinnell Glacier from trail	Grn900b.(jpg) (tif)	1900	FE Mathes
<b>Repeat Photo:</b>	Grn998f.tif, GrnBW998f.tif	1998	Lisa McKeon
<b>Historic Photo:</b> Grinnell Glacier from trail	Grn910b.jpg	1910	Kiser (?)
<b>Repeat Photo:</b>	Grn931b.jpg	1931	TJ Hileman
	GrnBW997c.jpg	1997	Dan Fagre
	Grn998d.tif, GrnBW998d.tif	1998	Karen Holzer
<b>Historic Photo:</b> Grinnell Glacier from trail	Grn911a.(jpg) (tif)	1911	USGS photo
<b>Repeat Photo:</b>	Grn998c.tif, GrnBW998c.tif	1998	Lisa McKeon
<b>Historic Photo:</b> Grinnell Glacier from	Grn914a.jpg	1914	Marble
<b>Repeat Photo:</b> Lake Josephine	Grn938e.jpg, GrnBW997e.jpg	1938, 1997	Hileman, Fagre
<b>Historic Photo:</b> Grinnell Glacier from bridge	Grn920c.jpg	circa 1920	TJ Hileman
<b>Repeat Photo:</b> at head of Lk. Josephine	Grn998g.tif, GrnBW998g.tif	1998	Karen Holzer
<b>Historic Photo:</b> Grinnell Glacier from top	Grn938f.tif	1938	TJ Hileman
<b>Repeat Photo:</b> of Mt. Gould – trio	Grn981a.tif, GrnBW981a.tif	1981	Carl Key
	Grn998m.tif, GrnBW998m.tif	1998	Dan Fagre

### GRAPHIC IMAGES AND PAIRED PHOTO GROUPS

<u>Description</u>	<u>Filename</u>
Color graphic of Grinnell Glacier's decreasing size from 1850-1993	GrinRecess.gif, GrinRecess.ppt
B/W aerial view of Grinnell Glacier with color lines showing past margins	grinaerial.ppt
Color, 3D image of Jackson/Blackfoot complex glacier recession	glacs_3Dnew.ppt, glacs_3dnew.jpg
Paired images of Grinnell Glacier (B/W)	Timegrin.ppt
Graph depicting decreasing glacier size vs. average temperature	Temp_ave.xls
Trio of Grinnell Glacier photos from top of Mt. Gould	GrinTrioHighResBW.ppt
USGS Repeat Photography project brochure	RepeatPhotoBrochure.ppt
Person standing on Grinnell Glacier, 1938	GrinPerson.ppt

\*\* .ppt – PowerPoint presentation, .xls – Excel graph

*Grinnell3 group*



Grn911a. (jpg) (tif) USGS

*Grinnell2 group*



Grn910b.jpg Kiser



GrnBW998c.tif Lisa McKeon



GrnBW998d.tif Karen Holzer

*Grinnell4 group*



Grn920c.jpg Hileman

*Grinnell1 group*



Grn900b.(jpg) FE Mathes



Grn998g.tif Karen Holzer



GrnBW998f.tif Lisa McKeon

*GrinnellTrio group*



Grn938f.tif TJ Hileman



Grn981a.tif Carl Key



GrnBW998m.tif Daniel Fagre