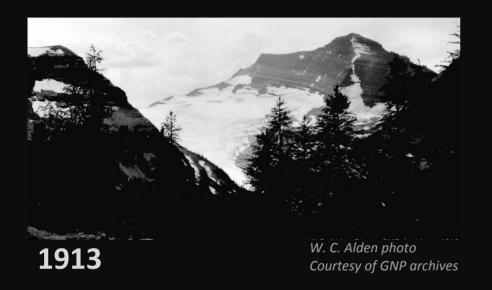
Agassiz Glacier Glacier National Park, MT





2005

Greg Pederson photo USGS





Agassiz Glacier

Glacier National Park, MT



1943

M. V. Walker photo Courtesy of GNP archives



2005

Greg Pederson photo USGS





Blackfoot – Jackson Glacier Glacier National Park, MT



E. C. Stebinger photo Courtesy of GNP archives

1914



Blase Reardon photo USGS





USGS Repeat Photography Project http://nrmsc.usgs.gov/repeatphoto/



Boulder Glacier

Glacier National Park, MT



1932T. J. Hileman photo
Courtesy of GNP archives



2005 Greg Pederson photo USGS





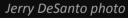
Boulder Glacier Glacier National Park, MT



1932

T. J. Hileman photo Courtesy of GNP archives









Boulder Glacier

Glacier National Park, MT



Morton Elrod photo Courtesy of GNP archives





Fagre / Pederson photo USGS

2007



USGS Repeat Photography Project http://nrmsc.usgs.gov/repeatphoto/



Chaney Glacier Glacier National Park, MT



M.R. Campbell photo USGS



2005Blase Reardon photo
USGS





Chaney Glacier

Glacier National Park, MT



1911M.R. Campbell photo
USGS



2005Blase Reardon photo
USGS





Grant Glacier Glacier National Park, MT



Morton Elrod photo Courtesy GNP Archives



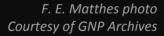
1998Karen Holzer photo
USGS





Glacier National Park, MT







1998
Lisa McKeon photo
USGS





Glacier National Park, MT



1910

Fred Kiser photo Courtesy of GNP Archives



1998

Karen Holzer photo USGS





Glacier National Park, MT





1998
Lisa McKeon photo
USGS





Glacier National Park, MT



circa 1920

T. J. Hileman photo Courtesy of GNP Archives



1998

Karen Holzer photo USGS

Grinnell Glacier from footbridge at head of Lake Josephine, Glacier National Park.

Changes in the size of Grinnell Glacier are evident as well as changes in stream channel and vegetation in the foreground of this pair of photographs.





Grinnell Glacier Glacier National Park, MT





Karen Holzer photo 2006 USGS

Grinnell Glacier taken from the Grinnell Glacier Overlook off the Highline Trail, Glacier National Park. The view of Grinnell Glacier taken circa 1940 shows the early formation of Upper Grinnell Lake, a proglacial lake visible at the terminus of the glacier. The 2006 photo shows a dramatic increase in the size of the lake as a result of melting ice.

Courtesy of GNP Archives





Grinnell Glacier Glacier National Park, MT

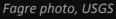
1900

Marble photo
Courtesy of GNP Archives

1938 Hileman photo Courtesy of GNP Archives

Grinnell Glacier from the shore of Lake Josephine, Many Glacier Valley





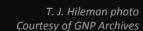






Grinnell Glacier Glacier National Park, MT







1981 Carl Key photo



1998 D. Fagre photo



Oblique view of Grinnell Glacier taken from the summit of Mount Gould, Glacier National Park.

The relative sensitivity of glaciers to climate change is illustrated by the dramatic recession of

Grinnell Glacier while surrounding vegetation patterns remain stable.





Piegan Glacier Glacier National Park, MT



circa 1930

George Ruhle photo
Courtesy of GNP Archives



Lisa McKeon photo USGS

1998

Piegan Glacier appears visibly unchanged in this pair, but the meadow in foreground has undergone significant vegetation change.





Piegan Glacier Glacier National Park, MT

×

1938

T. J. Hileman photo Courtesy of GNP Archives



1998
Lisa McKeon photo
USGS

View from Mount Siyeh

Piegan Glacier is one of the few glaciers in Glacier National Park that has not significantly changed since photographed in the 1930s.





Sexton Glacier Glacier National Park, MT



1901

Matthes photo Courtesy of GNP Archives



1998

Lisa McKeon photo USGS





Shepard Glacier Glacier National Park, MT



1913

W. C. Alden photo Courtesy of GNP Archives



2005

Blase Reardon photo USGS





Sperry Glacier Glacier National Park, MT



1913

Alden photo Courtesy of GNP Archives



Karen Holzer photo USGS





Sperry Glacier

Glacier National Park, MT



Morton Elrod photo Courtesy of GNP Archives



2001 Lisa McKeon photo USGS

The northwest portion of Sperry Glacier once spanned Comeau Pass to the base of Edwards Mountain.





Sperry Glacier – northeast view Glacier National Park, MT



Alden photo, Courtesy of GNP Archives Aug. 13, 1913



2007

Lisa McKeon photo, USGS Sept. 15, 2007

This view of the northeast portion of Sperry Glacier shows evidence of the glacier's recession as well as the advancement of conifer species and other vegetation on the glacial moraines.





Swiftcurrent Glacier Glacier National Park, MT





Matthes photo Courtesy of GNP Archives



1998

Karen Holzer photo USGS





Swiftcurrent Glacier Glacier National Park, MT



circa **1930**

Unknown photographer Courtesy of GNP Archives



2002Karen Holzer photo
USGS

View from Swiftcurrent Lookout





Thunderbird Glacier

Glacier National Park, MT



Morton Elrod photo Courtesy of GNP Archives



2007Dan Fagre / Greg Pederson photo
USGS



