

Johnstown Flood Junior Ranger Activity Booklet

National Park Service
U.S. Department of the Interior

Johnstown Flood National
Memorial



JOHNSTOWN FLOOD NATIONAL MEMORIAL

This Junior Ranger Handbook Belongs to:



AGES 11-13



EXPLORE, LEARN, PROTECT



THE JUNIOR RANGER WAY!

Welcome to the Johnstown Flood National Memorial!

If you have this booklet, GREAT! You want to become a Junior Ranger! As a Junior Ranger, you help the National Park Service in its mission. You will help to preserve and protect the park and its resources for future generations.

To become a Junior Ranger, just complete the booklet's activities and take it to the Park's information desk in the Visitor Center. The Park Staff will review your completed booklet and swear you in as a Junior Ranger and give you your official Junior Ranger Badge and Certificate.

Have Fun! If you have any questions, don't be afraid to ask any Park Ranger or Park Staff for help! You can also have a parent, grandparent, friend, brother or sister, or another adult you know, help you.

If you can't finish the booklet at the park, or have had a booklet sent to you, just complete the booklet, sign the Junior Ranger Promise, and send everything to:

Johnstown Flood National Memorial
National Park Service
733 Lake Road
South Fork, PA 15956

THE NATIONAL PARK SERVICE

The National Park Service is part of the federal government of the United States.

The National Park Service was established on August 25, 1916.

The National Park Service preserves and protects about 400 sites. These include National Parks, National Battlefields, National Highways, National Seashores, National Monuments, and National Memorials, like the Johnstown Flood National Memorial.



Is there a National Park in the state you live in? What is it?

Have you been to many National Parks? Can you remember the names of those parks you have visited?

See if you can fill in the blanks to find out which National Parks are in the states marked.

Y _ L _ _ S _ _ E
 A _ _ E G _ _ _ P _ T _ _ R _ L _ _ D
 D _ _ S _ _
 W _ _ T B _ TH _ _
 L _ _ B _ D _
 M _ T _ _ L T _ R K _ G JR.
 G _ _ D C _ Y _ _
 E _ _ GL _ _ _



WORKING FOR THE NATIONAL PARK SERVICE



It takes many different kinds of people to maintain a National Park. At Johnstown Flood National Memorial, there are:

- ❖ *Interpretive Park Rangers:* who teach us about the history of the park
- ❖ *Law Enforcement Rangers:* who keep visitors and the park safe
- ❖ *Natural Resource Rangers:* who study and teach us about plants, water, wildlife, and other natural resources
- ❖ *Maintenance employees:* who keep the park clean, maintain our building, roads, and trails, fix our vehicles, and care for the land
- ❖ *Cultural Resources employees:* who may excavate (dig) archeological sites within the park, preserve artifacts so others can see them, restore historic buildings, or care for historic landscapes
- ❖ *Volunteers:* who give their own valuable time, helping in many ways to educate the public and preserve the park

Draw a line to match the job with the NPS employee:

- | | |
|--|-------------------------------------|
| Repairs the park vehicles | Interpretive Park Rangers |
| Maintains the park's artifacts | Cultural Resource Rangers/Employees |
| Keeps a record of animals in the park | Volunteers |
| Gives historic programs and tours | Maintenance Employees |
| Makes sure people go the speed limit in the park | Natural Resource Rangers/Employees |
| All of the Above | Law Enforcement Rangers |

Which type of NPS employee would you like to be?





INFORMATION DETECTIVE



Look around the Park's Visitor Center and all of the exhibits for your clues.

You will then find the answers to the blanks below.



- 1) Who built the South Fork Dam in 1853? _____

- 2) For what purpose was the South Fork Dam originally built?

- 3) Who were the last owners of the South Fork Dam/Lake Conemaugh?

- 4) List two changes that were made to the design and construction of the dam under the ownership of the South Fork Fishing & Hunting Club that caused many people to blame the club for the tragedy.

- 5) Who was the founder and first president of the South Fork Fishing & Hunting Club?

- 6) What was the approximate population of Johnstown at the time of the flood?

- 7) What Pennsylvania Governor sent the state militia to Johnstown for the relief and recovery effort after the Johnstown Flood in 1889?

- 8) Clara Barton came to Johnstown with the American Red Cross. How long did she stay in Johnstown?

- 9) What were two of the most important jobs in Johnstown after the Flood of 1889?

- 10) Those suing the South Fork Fishing & Hunting Club claimed negligence while the Club attorneys claimed the disaster was what?

BE AN EXHIBIT DESIGNER



You are in charge of building a display or exhibit in the Johnstown Flood National Memorial Visitor Center. Design your own!



1) I have chosen to display _____

2) People will be interested in looking at this because...

3) If people ask me about my exhibit I will tell them these things...



THIS IS WHAT MY EXHIBIT WILL LOOK LIKE

CRITICAL THINKING

1. What events caused the Great Johnstown Flood of 1889?



2. What could have been done to prevent the flood?



FACT OR FICTION

Read the question and circle TRUE or FALSE.

- 1) The South Fork Dam was once owned by the State of Pennsylvania.

TRUE FALSE

- 2) The South Fork Dam was made with concrete.

TRUE FALSE

- 3) The South Fork Dam was built without a spillway.

TRUE FALSE

- 4) The town of Johnstown was built on a flood plain.

TRUE FALSE

- 5) Elias Unger was the first president of the South Fork Fishing & Hunting Club.

TRUE FALSE

- 6) The South Fork Dam only failed one time and that was in 1889.

TRUE FALSE



- 7) There are no photographs of what the area looked like when it was owned by the South Fork Fishing & Hunting Club.

TRUE FALSE

- 8) The town of Johnstown was already flooding, before the enormous wave of water from the South Fork Dam got to town.

TRUE FALSE

PUZZLE FUN!

MAD

6	21	

LOFDO

9	16			

WEART

30	7			

HEDTA

19				

EKLA

24			

CULB

1	8		

JOWHNSONT

25	2	14	15	13	17				

RIDBEG

29	22	4	31	

RANI

32	26	3	

SOTBA

18	20	10		

HIFS

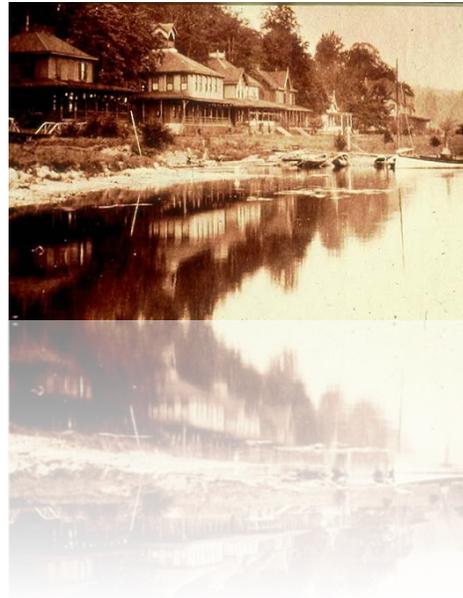
12			

REIVR

				5

ROATBN

28	11	27	23		



1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

16	17

18	19	1	20	21	22	23	4

24

25	8	17	26	27	28

29	30	23	4	31	32



BE AN EXPLORER!



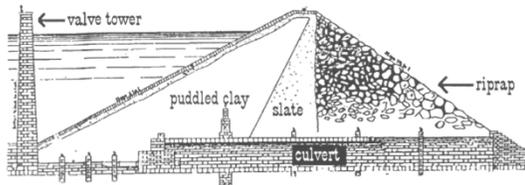
WAIT DON'T GO! DON'T YOU WANT TO VISIT THE SOUTH FORK DAM?

Now that you have visited the Johnstown Flood National Memorial Visitor Center and learned all about the South Fork Fishing and Hunting Club, the South Fork Dam and the Johnstown Flood of 1889; take a walk to the remains of the South Fork Dam. A National Park is more than a Visitor Center; we also preserve and protect the resources, which means that we try to preserve and protect the remains of the dam. *(It is not necessary to go to the dam/trail to complete the Jr. Ranger Program! This is an extra activity.)*

While hiking to the dam remember the following:



1. The original dam that was built was 72 feet high, 931 feet long, 270 wide (at its base), and 10 feet wide at the top of the dam.



2. A valve control tower was out in the lake that regulated the flow of water out through 5 iron pipes that went through a stone culvert.
3. After a break in the dam in the year 1862 the lake was completely drained, the valve control tower burned down, and the cast iron pipes were taken out and sold.
4. The dam was made of 2ft. layers of clay and earth. These layers were packed and rammed or pounded into place, then skimmed with water before the next layer. This made it watertight.
5. When looking out where the lake once was, use your imagination and try to envision a body of water in front of you. At full capacity the lake was almost 450 acres of water, 50-60 feet deep in spots,



You need a parent or guardian to drive you to the trailheads. (Get the directions at the Visitor Center information desk)

6. There was a spillway that looked like a waterfall on the eastern-side of the dam. It was 72 feet wide and 10 feet deep. Later a bridge was built over it so that horses and carriages could cross over.
7. In the picture on the right, you can see the fish screens that were built across the spillway to prevent the Club's fish from escaping Lake Conemaugh and heading downstream.
8. From where you are standing look onto the hillside that has the Johnstown Flood Memorial Visitor Center and the historic Unger House. This was the farm of Colonel Elias J. Unger, the last president of the South Fork Fishing & Hunting Club.





TRAIL ACTIVITY



See if you can find these items while walking the trails in the park.

Japanese Knotweed



American Beech Leaf



Red-Winged Blackbird



A Grey or Red Squirrel



A Sassafras
(Tree or Leaf)



A Chipmunk



The National Park Service
Arrowhead Symbol



A Monarch Butterfly
(or another kind of Butterfly or Moth)



Animal Tracks



TAKE HOME ACTIVITY

See if you can find the different National Parks in the puzzle.
Later, go to www.nps.gov to find out more information about these parks.

E F P K Q Q M Q M A Q E M E P A C U W S L J O R Y
M C Y Q Y U C F N L Y C W N T E T A F Y L E P G N
N B N A S S A T E A G U E S S N T X T W H C S A O
P W Q E I M I M G B A Z J S K V E R M O Z Z K Z C
X W O W D E S L O A G H N U H H Q P O Z C K B S H
H N R T T N M M S D A E S K E D S A P G M T T D S
Q N S A S P E E L L I V N O S R E D N A L E I A A
D N M S M E A P O A G O Y N O N I G A C A Y S N B
W E O Z B P M C E N Y K C W K E Q Z A M K S P S P
C V Z T D K U A U D I C E O X X L N T T A I S H Y
C E V R P B J N J S N S N T A R G O O N Q O P L N
J R W N Z M I G A R R I O S F K W A A I G B M A W
H G S Z N B A G V T F Q T N Q N T M C O L E M C I
A L O D J Q Z H O K V M S H B B O P N F M U Q Y U
T A J H O I H Q M X U X W O O B E A G G C C U Z E
E D S Z H X P F A U C R O J V Q P P A O M K D A C
A E H Z J T H L T P E A L R D M U Q Q C X O E T M
O S Y O S E M I T E K U L D I A L A K A E L A H N
G Q O Y Z E A M R N U Y E T C U P Y F H N Z A O O
N I P J C Z R G K N W F Y A F L D U Q E B V I N S
V L Y M K S H Z C W I Y I R U A S O N I D Z I W I
Z V J K M H M Y O C Y T L L A P C J Y Z W N L Y D
T S N X Q D H S X L H F G J W R S N V W E H M D E
R E X T L J G O X I K Z A A G Z X B L P N F H M X
F D W L T J R K U V Y V Y B K Q M Z J V B A X D G

ANDERSONVILLE
ANTIETAM
ASSATEAGUE
BADLANDS
CATOCTIN
DINOSAUR
EDISON

EVERGLADES
HALEAKALA
HAMPTON
INDEPENDENCE
JAMESTOWN
JOHNSTOWN
MANASSAS

PETROGLYPH
STEAMTOWN
TIMPANOGOS
YELLOWSTONE
YOSEMITE
ZION

JUNIOR RANGER PROMISE

"I, _____, am proud to be a National Park Service Junior Ranger. I promise to appreciate, respect, and protect all national parks. I also promise to continue learning about the landscape, plants, animals and history of these special places. I will share what I learn with my friends and family."



Signed, _____



To help you remember when you came to the park, use the official Johnstown Flood National Memorial stamp!



FOR MORE INFORMATION

National Park Service
www.NPS.gov



The National Park Service preserves unimpaired the natural and cultural resources and values of the national park system for the enjoyment, education, and inspiration of this and future generations.

Johnstown Area Heritage Association
www.jaha.org



The Johnstown Area Heritage Association is a non-profit, membership-based organization that exists to preserve and showcase Johnstown's nationally significant stories to the nation. To do that, we provide high-quality educational, cultural and recreational experiences in the area's unique historic settings.

National Park Service Web Rangers
www.NPS.gov/WebRangers



If you enjoyed the Junior Ranger program at Johnstown Flood National Memorial, you can go online and complete the webranger program. Once you've finished all the activities online, you get a patch and certificate!



JOHNSTOWN FLOOD
NATIONAL MEMORIAL



JUNIOR RANGER AWARD

This Certificate of Merit is awarded to

For completing requirements of the
Junior Ranger Program



_____ Park Ranger

_____ Date

