



WATER-RIGHT DOCKET

Allegheny Portage Railroad National Historic Site

Docket No: 1

WELLS

Supporting Hydro Data

12-29-1970: memorandum re: observation well, incline 10; 1970

9 1-5-71
→ *Tru Bortom*
Am 1/4/71
Please file
Miss - Allegheny
in Cmes file V

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

L54
ALFO

MW

December 29, 1970

Memorandum

To: Director, Eastern Service Center

From: General Superintendent, Allegheny Portage & Fort Necessity

Subject: Observation well, Incline 10 - Allegheny Portage

Enclosed for your information is a copy of the water level chart for the period December 9 to December 20, 1970, from the subject well drilled by the Geological Survey.

Gustaf P. Hultman

Gustaf P. Hultman

Enclosure

GPH/ejp 12-29-70

CC:
Director, Northeast Region
Chief, Div. of Water Resources, WASO

638 11-3-70

L54 - MW
ALPO

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

October 29, 1970

AB
Cone's File

Memorandum

To: Director, Eastern Service Center
From: General Superintendent, Allegheny Portage and Fort
Necessity
Subject: Observation well, Incline 10 - Allegheny Portage
Enclosed for your information is a copy of the water level chart
for the period September 20 to October 20, 1970, from the subject
well drilled by the Geological Survey.

Gustaf P. Hultman

Gustaf P. Hultman

Enclosure

GPH/ejp 10-29-70

CC:
Director, Northeast Region
Chief, Division of Water Resources, WASO

ALPO

491-9-4-70

map
file
9/1

L54

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

August 28, 1970

Cones. file

Memorandum

To: Director, Eastern Service Center
From: General Superintendent, Allegheny Portage and Fort
Necessity
Subject: Observation, well, Incline 10 - Allegheny Portage

Enclosed for your information is a copy of the water level chart for the period July 19 to August 20, 1970, from the subject well drilled by the Geological Survey.

Also enclosed is an additional copy of the chart for the period June 26 to July 19 showing more data than the chart transmitted with memorandum dated August 10.

Gustaf P. Hultman

Gustaf P. Hultman

Enclosures

cc: Director, Northeast Region
Chief, Division of Water Resources, WASO

GPH/ejp 8-28-70

480-9-1-70

L54
ALPO

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

Cones file
M8/4
Bert

August 10, 1970

Memorandum

To: Director, Eastern Service Center
From: General Superintendent, Allegheny Portage & Fort Necessity
Subject: Observation well, Incline 10 - Allegheny Portage
Enclosed for your information is a copy of the water level chart for the period June 20 to July 19, 1970, from the subject well drilled by the Geological Survey.

Gustaf P. Hultman

Gustaf P. Hultman

Enclosure

cc: Director, Northeast Region
Chief, Division of Water Resources, WASO ✓

GPH/ejp 8-10-70

397-7-9-70.

H. R. Caggs

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

L54
ALPO

MW

June 30, 1970

Memorandum

To: Director, Eastern Service Center
From: General Superintendent, Allegheny Portage & Fort Necessity
Subject: Observation well, Incline 10 - Allegheny Portage

Enclosed for your information is a copy of the water level chart for the period June 5 to June 26, 1970 from the subject well drilled by the Geological Survey.

Gustaf P. Hultman
Gustaf P. Hultman

Enclosure

cc: Director, Northeast Region
Chief, Division of Water Resources, WASO

ALPO

342-6-8-70

J. L. Cagy.

M 6/8/70

B. L. Cagy

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

L54
ALPO
M W

June 1, 1970

Memorandum

To: Director, Eastern Service Center

From: General Superintendent, Allegheny Portage & Fort Necessity

Subject: Observation well, Incline 10 - Allegheny Portage

Enclosed for your information is a copy of the water level chart for the period April 22 to May 20, 1970 from the subject well drilled by the Geological Survey. These monthly charts were referred to in my February 4 memorandum to you.

Gustaf P. Hultman
Gustaf P. Hultman

Enclosure

cc: Director, Northeast Region
Chief, Division of Water Resources, WASO

317-5-27-70

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

L54
MW

May 20, 1970

Memorandum

To: Director, Eastern Service Center
From: General Superintendent, Allegheny Portage & Fort Necessity
Subject: Observation well - Allegheny Portage

Enclosed for your information is a copy of an analysis completed
May 6, 1970 by the U.S. Geological Survey on a sample of water from
its observation well at Incline 10.

Gustaf P. Hultman
Gustaf P. Hultman

Enclosure

cc:
Director, Northeast Region w/copy enclosure
Chief, Division of Water Resources, WASO w/copy enclosure

*Write Dick a
note on 5/28 asking
for a better copy*
M/25
*Ask for another
copy - not shipped
off as this one -
What is the Mn?!*

375-6-3-70
H. R. Cap.
m/s
Benton

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

L54

ML

April 30, 1970

Memorandum

To: Director, Eastern Service Center
From: General Superintendent, Allegheny Portage & Fort Necessity
Subject: Observation well, Incline 10 - Allegheny Portage

Enclosed for your information is a copy of the water level chart for the period March 20 to April 20, 1970 from the subject well drilled by the Geological Survey. These monthly charts were referred to in my February 4 memorandum to you.

Gustaf P. Hultman

Gustaf P. Hultman

Enclosure

cc: Director, Northeast Region
Chief, Division of Water Resources, WASO

317-4-10-70
H.R. Copy
CW

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

154
M W

April 1, 1970

Memorandum

To: Director, Eastern Service Center

From: General Superintendent, Allegheny Portage & Fort Necessity

Subject: Observation well, Incline 10 - Allegheny Portage

Enclosed for your information is a copy of the water level chart for the period February 20 to March 20, 1970 from the subject well drilled by the Geological Survey. These monthly charts were referred to in my February 4 memorandum to you.

Gustaf P. Hultman
Gustaf P. Hultman

Enclosure *76 Encl.*

cc: Director, Northeast Region
Chief, Division of Water Resources, WASO

130-3-6-70

LS4 *mw*

Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

February 27, 1970

mz/s
Beck

Memorandum

To: Director, Eastern Service Center
From: General Superintendent, Allegheny Portage & Fort Necessity
Subject: Observation well, Incline 10--Allegheny Portage

Enclosed for your information is a copy of the water level chart for the period January 21 to February 20, 1970, from the subject well drilled by the Geological Survey. These monthly charts were referred to in my memorandum to you, dated February 4.

Gustaf P. Hultman
Gustaf P. Hultman

Enclosure

cc: Regional Director, NE
Ch., Division of Water Resources, WASO

Other Supporting Information

OPTIONAL FORM NO. 10
MAY 1962 EDITION
GSA FPMR (41 CFR) 101-11.6

UNITED STATES GOVERNMENT

Memorandum

TO : Joseph Karban, National Park Service, NER,
143 South 3rd Street
Philadelphia, Pa. 19106

FROM : William C. Roth, Hydrologic Studies Section
WRD, Harrisburg, Pa.

DATE: April 13, 1973

SUBJECT: Contamination of well near Foot of Ten, Blair County. *Allegheny Portage*

As you requested during your phone call of last month I met with Jim Zinck at the Park Office April 3, 1973 and visited the well site in question.

I measured the depth to water in the dug well (4.84 feet below land surface) and the depth to water in the drilled well (50.60 feet below land surface). The difference in the depth to water in the two wells indicated there is no direct connection between them.

In as much as the water sample taken on May 1972 was the only one contaminated and all the later samples taken showed negative results, I would tend to believe that the May sample was a poor one and that the well is safe. If you wish to take precautions, however, I would purchase an ultraviolet light purifier that connects on the intake side of the water tank. Such a device is very efficient and does the same thing as a chlorinator. The dug well can be filled in to approximately 6" to 1 foot below top of casing and a drain pipe put in the side of the dug well to remove any surface water that may get into the pit.

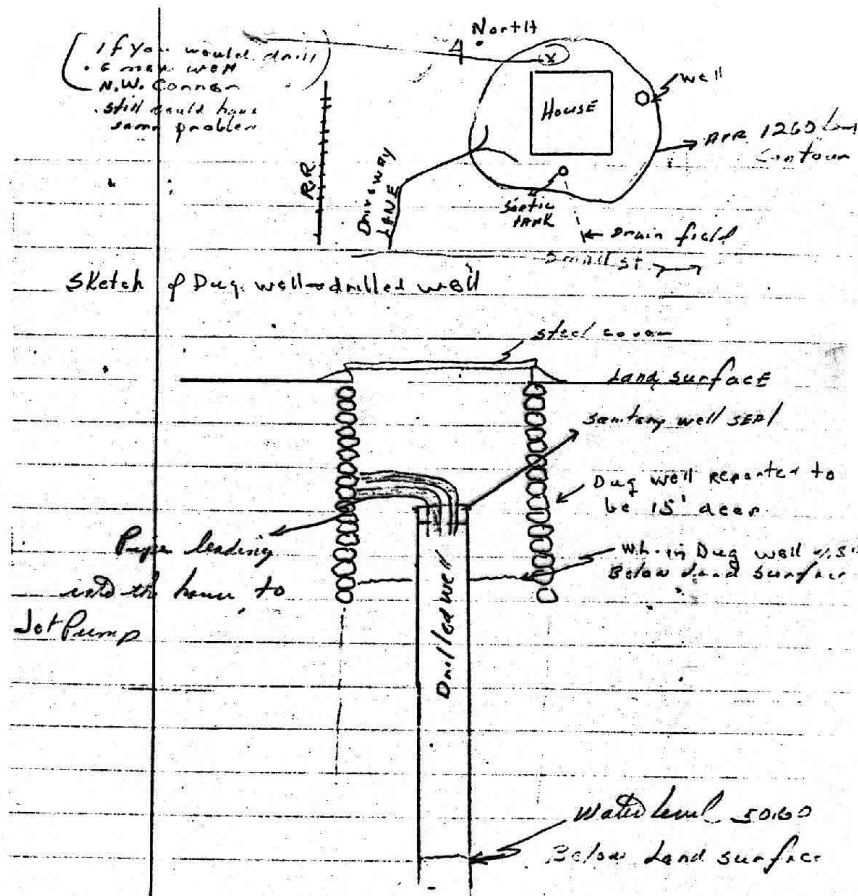
Enclosed is a sketch of the well location and septic tank and some literature of one of the many companies with different types of water purifiers.

Yours truly,

William C. Roth
William C. Roth
Physical Science Technician

Encls.





meas. water level in drilled well thru small plug
in sanitary well seal (removed plug to miss)

The water level in dug well was about 2 ft
below top of casing on April 4, 1973 and may have
been over the top of casing on the day the
water sample was taken so that water from the
dug well may have leaked thru the sanitary well seal
into the drilled well. If the well was pumped
heavily the day it was sample recharge may have
been induced from the septic tank or from the small
nearby streams that may have been contaminated.



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE
Allegheny Portage Railroad
National Historic Site
P.O. Box 216
Johnstown, Pennsylvania 15907

W E Copy
MTR

IN REPLY REFER TO:

154

MW

February 4, 1970

Memorandum

To: Director, Eastern Service Center
From: General Superintendent, Allegheny Portage & Fort Necessity
Subject: Observation well and proposed easement - Allegheny Portage

Mr. Stanton's memorandum of January 14 asked for information about an observation well at the Incline 10 portion of Allegheny Portage. The well was drilled by the Geological Survey, Harrisburg, Pennsylvania office, on June 23, 1969. A pumping test was conducted and a recorder installed on August 14, 1969. Enclosed is a copy of data received today from William C. Roth, Water Resources Division, U.S. Geological Survey, regarding the drilling, pumping test and water level charts to January 21, 1970. We requested two copies of the charts each month, in the future. Also enclosed is a photograph of the well.

Mr. Stanton also requested data regarding a right-of-way to meet the water requirements at Incline 10. The two enclosed sketches show the park boundary, the contours, location of two public water distribution lines along old Route 22, and location of proposed right-of-way across private property to reach the nearest public line.

Blair Gap Water Supply Company will provide, at no cost to the Government, a curb box, shut-off valve and meter inside the south highway right-of-way line. However, if our line should require a 6-inch connection, the Government would pay for the meter pit with its bypass piping. If our line requires only a 2-inch connection supplying comfort stations and drinking fountains, the Company would provide the concrete block meter pit.

The Borough of Hollidaysburg charges a connection fee of about \$150.00 in return for installing a 12-inch by 6-inch tapping sleeve, 6-inch tapping valve, 5-inch diameter water box, one 6-inch plug, and a sunken meter. Installation requires two days.

2

Pressure on the line at the proposed location is 75-80 pounds.
Water use costs \$6.75 minimum per quarter, and allows up to
11,000 gallons consumption.

If you need additional data, please let us know.

Gustaf P. Hultman

Gustaf P. Hultman

Enclosures

cc: Regional Director, Northeast
Chief, Division of Water Resources, WASO.



154 WSC-OLW

March 26, 1969

Memorandum

To: Chief, Branch of Water Resources, WASO
Through: Chief, Office of Land and Water Rights, WSC

From: Supervisory Hydraulic Engineer, WSC

Subject: Field Trip to Allegheny Portage

During the week of March 17 - 21 I visited Allegheny Portage for the purpose of investigating future water supplies needed at the development sites. Superintendent Hultman was very cooperative in taking time to inspect each area and describe the proposed facilities and possible water sources.

From east to west the proposed developments consist of Inclined Plane 10, Inclined Plane 8, Summit Level, South Fork Dam Site, and the Old Portage Railroad Tunnel. The total distance involved is about 25 miles. The area has been heavily undermined in the past and is checker-boarded with both tunnel and shaft from past mining operations. Most of the work was done before the mining laws were enacted. They are at present abandoned and the water is sure to be of questionable quality. For this reason I have some misgivings about recommending subsurface water supply systems in the area. The water supply companies furnishing potable water to the towns and cities are using surface water reservoirs. These are in turn supplied by large protected water sheds. The demand and supply are now approaching equality but the company expects to take additional customers for the next three or four years.

At Inclined Plane 10, three comfort stations and picnic facilities are planned. Old State Route 22 passes within 800 feet of our development. Buried in this road are two potable water distribution mains. The first is a 16 inch cast iron line owned and operated by the Blair Gap Water Supply Company. The second is a 22-inch cast iron line owned and operated by the Hollidaysburg Water Company. We visited both companies and they are willing to sell water for our use. Both will make the tap and set the meter and meter pit on the proper edge of the road. We will be required to build the line from the meter to the visitors use area. There may be a pressure problem but this could be solved with the use of

a small booster pump on our line. The water company is going to check the pressure at the approximate point of tap under various load conditions and report the results to the Superintendent. This will allow us to make the proper design. Our property line is a creek bank off the road about 100 feet. A right-of-way will be required for our line over this short distance.

Inclined Plane 8 is above the water treatment facilities although raw water is available from a higher reservoir. The company is probably not allowed to sell this and I doubt we would want to use it without installing some safeguards. At present only roadside facilities are planned. There will be a small parking area, interpretation and perhaps a drinking fountain. I suggest that at this time we either delay the fountain or haul potable water. If we choose the latter, a small tank can be installed for either automatic or manual drinking water use.

At the Summit Level where the Lemon House is located water is now available from the Cresson Township. This historic structure will serve as the focal point for visitor use. This area will also provide picnicing, residential, and administrative facilities. As reported by the maintenance personnel in the area, the entire Cresson Township water distribution system is constructed of two-inch water mains. Our supply from this distribution system is a spur line also two inches of about 1,800 feet. A short time ago there was a fire in the township. The fire engines were called out, the pumper was tied to the system and with the nozzle they had available the water would not reach the second story. I would suggest that at this area some consideration be given to constructing a reservoir to provide fire protection. Two 4-inch hydrants and short 6-inch lines from this facility should suffice. A fire pump might also be tied into this system.

The South Fork Dam Site or Johnstown Flood Memorial has picnicing facilities, comfort station, and interpretation. The interpretation will be at the remnants of the old earth fill dam and the picnicing somewhat higher on the hill overlooking the river. A negotiation for water supply for this area has already been made with the Highland Sewer and Water System. They have a four-inch line on the railroad right-of-way on the opposite side of the river. It has been agreed that they will bring the line under the river and up to our facilities.

The Old Portage Railroad Tunnel sometimes called Staple Bend has an access problem. At present the only point practical to intercept the public is a mile and a half from the main point of interest. Therefore, at present no facilities are planned.

Richard W. Ketcham

cc: Regional Director, NE
Superintendent, Allegheny Portage
Chief, D&C, PSC

WATER RESOURCES SURVEY

1. Park Allegheny Portage Railroad NHS
2. Area within park where water is required Staple Bend
3. Land status of Area Government-owned & visitor Season of Area May 1 - Nov. 30
privately owned
4. Was there a previous investigation at this site for water resources No
By whom ----- When -----
5. (a) Is water presently available No (b) In use? No
(c) From what source None
6. Will this be new or supplemental water source New
7. First year in which water is needed 1973 FY
8. Types of uses to which it is to be put (i.e., domestic, irrigation, etc.)
Domestic
9. What new or existing (state which) facilities will be served:
 - (a) Campground (No. of sites) None
 - (b) Picnic area (No. of sites) None
 - (c) Concessioner None
 - (d) Confort stations None
 - (e) Residences None
 - (f) Other Parking area and interpretative trail
10. Comments:
First year water needed might be advanced to 1971 FY if arrangements for
visitation are made with Bethlehem Steel Corporation pursuant to terms
contained in Cooperative Agreement already executed.

Prepared by Gustaf P. Hultman Date February 12, 1969



IN REPLY REFER TO:

L54 WSC-OLW

~~OLW~~

UNITED STATES
DEPARTMENT OF THE INTERIOR

NATIONAL PARK SERVICE
ALLEGHENY PORTAGE RAILROAD
NATIONAL HISTORIC SITE
P. O. Box 216
Johnstown, Pennsylvania 15907

FEB 28 3 21 PM '68

February 27, 1968

Memorandum

To: Chief, Office of Land and Water Rights, WSC
From: Superintendent, Allegheny Portage
Subject: 1968 FY Water Rights Acquisition Construction Program

Your memorandum of February 7 clarified that a \$4,000 project for Allegheny Portage (\$1,000 - Contract with USGS for investigation of water sources at Lemon House and supervision of well drilling and \$3,000 - test well drilling by private contractor) was not included in the subject program. Your followup memorandum of February 16 indicated reconsideration for the project in 1970 FY or in 1969 FY if funds permit.

Actually, a 2-inch water line with 120 pounds pressure by the Summit Water Company already serves the Lemon House. Extensions of this line are expected to serve all development needs at the Summit portion of the park with the possible exception of water for public use (such as drinking fountain) near the Skew Arch Bridge. The water need is not likely to develop until and unless a pedestrian bridge to the Arch over the westbound lane of U. S. 22 is constructed or U. S. 22 is constructed at a new location. Neither is apt to occur in the next three years. If the cost of extending a required line from the Lemon House to the Skew Arch Bridge is \$4,000 or less, then I suggest the water rights project be eliminated.

Gustaf P. Hultman

Gustaf P. Hultman

cc:
Regional Director, Northeast w/copy of February 7 memorandum
Chief, D&C, PSG
✓ Chief, Branch of Water Resources, WASO

ALPO

142 2-19-68

awc
2/19

L54 WSC-OLW

February 16, 1968

Memorandum

To: Superintendent, Allegheny Portage Railroad National Historic Site and Johnstown Flood National Memorial

From: Acting Chief, Office of Land and Water Rights, WSC

Subject: 1968 F.Y. Water Rights Acquisition Construction Program

As a follow-up to our memorandum of February 7 on subject, we regret that because of an oversight on our part we have passed on some erroneous information to you. The Roberts Property (Lemon House) Tracts 303-1 and 303-2 was closed out on October 31, 1967, and is Government owned at the present time.

We will reconsider including the Lemon House project in 1970 F.Y. or in 1969 F.Y. if funds permit.

Sherman W. Swenson

Sherman W. Swenson

cc:

Regional Director, Northeast

Chief, D&C, WSC

Chief, Branch of Water Resources, WASO



UNITED STATES
DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

ALLEGHENY PORTAGE RAILROAD
NATIONAL HISTORIC SITE
P. O. BOX 216
Johnstown, Pennsylvania 15907

IN REPLY REFER TO:

L54 WSC-OLW

January 26, 1968

Memorandum

To: Chief, Office of Land and Water Rights, WSC
From: Superintendent, Allegheny Portage
Subject: Preliminary Programs, Water Resources Studies and
Acquisition of Water Rights 1970-1978 FY
Report due: January 30, 1968

The subject programs for 1969-1974 FY submitted with your memorandum of January 12 have been reviewed and are satisfactory. Since there appears to be no need for any Water Resources Studies (M&P) and the Acquisition of Water Rights program through 1973 FY completes test well drilling at all portions of Allegheny Portage, we suggest no other projects during the period ending with the 1978 FY.

Enclosed in duplicate, as you requested, are the water resources survey forms separately for Incline 10, Incline 8, Summit and Staple Bend.

We expect no water right purchases in 1970 FY but anticipate all lands to be Government-owned by that time.

Gustaf P. Hultman
Gustaf P. Hultman

Enclosures

cc:
Regional Director, Northeast
Chief, D&C, PSC

WATER RESOURCES SURVEY

1. Park Allegheny Portage Railroad NHS
2. Area within park where water is required Summit
3. Land status of Area Government-owned Visitor Season of Area All year
4. Was there a previous investigation at this site for water resources No
By whom ----- When -----
5. (a) Is water presently available Yes. (b) In use? Yes
(c) From what source Pressure distribution system
6. Will this be new or supplemental water source Supplemental
7. First year in which water is needed 1970 FY
8. Types of uses to which it is to be put (i.e., domestic, irrigation, etc.)
Domestic
9. What new or existing (state which) facilities will be served:
 - (a) Campground (No. of sites) None
 - (b) Picnic area (No. of sites) None
 - (c) Concessioner None
 - (d) Confort stations None
 - (e) Residences None
 - (f) Other Interpretive Trail
10. Comments:
The trail extends down Incline 6 from the Lemon House (visitor center) to the Skew Arch Bridge.

Gustaf P. Hultman

Prepared by Gustaf P. Hultman Date January 26, 1968

WATER RESOURCES SURVEY

1. Park Allegheny Portage Railroad NHS
2. Area within park where water is required Incline 10
3. Land status of Area Government-owned Visitor Season of Area May 1-Nov. 30
or option signed
4. Was there a previous investigation at this site for water resources No
By whom ----- When -----
5. (a) Is water presently available No (b) In use? No
(c) From what source None
6. Will this be new or supplemental water source New
7. First year in which water is needed 1971 FY
8. Types of uses to which it is to be put (i.e., domestic, irrigation, etc.)
Domestic
9. What new or existing (state which) facilities will be served:
 - (a) Campground (No. of sites) None
 - (b) Picnic area (No. of sites) New (40 sites)
 - (c) Concessioner None
 - (d) Confort stations New (3)
 - (e) Residences Existing (2)
 - (f) Other None
10. Comments:

Existing residences means structures acquired inland program and logical to be used as employee quarters.

Gustaf P. Hultman
Prepared by Gustaf P. Hultman Date January 26, 1968

WATER RESOURCES SURVEY

1. Park Allegheny Portage Railroad NHS
2. Area within park where water is required Staple Bend
3. Land status of Area Privately-owned Visitor Season of Area May 1-Nov. 30
4. Was there a previous investigation at this site for water resources No
By whom ----- When -----
5. (a) Is water presently available No (b) In use? No
(c) From what source None
6. Will this be new or supplemental water source New
7. First year in which water is needed 1972 FY
8. Types of uses to which it is to be put (i.e., domestic, irrigation, etc.)
Domestic
9. What new or existing (state which) facilities will be served:
 - (a) Campground (No. of sites) None
 - (b) Picnic area (No. of sites) None
 - (c) Concessioner None
 - (d) Confort stations None
 - (e) Residences None
 - (f) Other Parking area and interpretive walk.
10. Comments:
First year water needed might be advanced to 1970 FY if land acquisition is completed in 1968 FY and arrangements made with Bethlehem Steel Corporation pursuant to terms contained in Cooperative Agreement already executed.

Gustaf P. Hultman

Prepared by Gustaf P. Hultman Date January 26, 1968Docket Information

Number of Documents in Docket 24

Documents Dated from 1/26/1968 to 12/29/1970

Docket Compiled: 1/28/2011