Boating Navigability Study

Study Report

Turners Falls Hydroelectric Project (No. 1889)



Prepared by:



DECEMBER 2021

EXECUTIVE SUMMARY

The Turners Falls Hydroelectric Project (FERC No. 1889) is owned and operated by FirstLight MA Hydro LLC on the Connecticut River in Gill and Montague, Massachusetts. In November 2021, a boating navigability study was conducted to assess the potential effects of discharges from Turners Falls Dam on navigability for recreational boaters, particularly through-paddlers, in the bypass reach of the Connecticut River below Turners Falls Dam at various flows. The study reach extended from the put-in just below the Turners Falls Dam to Cabot Woods located below Rock Dam, a distance of approximately 2.5 miles. For the purpose of this study, a "navigable" reach was defined as one through which boaters can paddle recreational watercraft without having to portage around obstacles, even if minor bumping and/or scraping occurs.

This study was conducted in collaboration with representatives from the Massachusetts Department of Environmental Protection (DEP), Massachusetts Department of Conservation and Recreation (DCR), and the Connecticut River Conservancy (CRC).

The field demonstration flow study was conducted on November 9, 2021. Four different test flows (termed Flow #1 through Flow #4) ranging from 214 cfs to 545 cfs were released from Bascule Gate #1 at Turners Falls Dam. Station No. 1 generation ranged from approximately 560 cfs to 1,080 cfs during the study and the Fall River flow was measured as 71 cfs on the study date, resulting in total flows ranging from 285 cfs to 616 cfs in the upper bypass reach (above Station No. 1) and 1,007 cfs to 1,427 cfs in the lower bypass reach (below Station No. 1).

Ten boaters participated in the study utilizing four canoes and three kayaks, for a total of seven boats. Boaters paddled the study reach under each flow and were then asked to evaluate the flow based on their watercraft and skill level for various characteristics, including navigability, safety, ease of put-in, number of scrapes/bumps, and number of portages for each flow experienced.

Two areas of interest were the primary focus of the navigability evaluation: the channels around Peskeomskut Island immediately below Turners Falls Dam and the channels around Rawson Island below Station No. 1 at the downstream extent of the study reach. At Peskeomskut Island, the left¹ channel was unnavigable under all assessed flows, but boaters were able to paddle the center-right and far-right channels (with varying level of difficulty) under all flows. The center-right channel is narrow and flume-like, while the far-right channel is more riffle-like. Boater feedback was mixed on which channel would be the preferable and/or safer route under the range of flows assessed.

At Rawson Island, boaters were able to navigate the far-right channel with no issues under all assessed flows. The center-right channel was unnavigable under all flows. Several experienced whitewater boaters took the left channel around Rawson Island to paddle over Rock Dam, which was runnable but not recommended for novice paddlers.

Put-In #2, located approximately 800 feet downstream of the Spillway Ladder and Put-In #1, was determined to be an acceptable put-in option for boaters wishing to bypass Peskeomskut Island.

Flow #3 was determined to be the minimum navigable flow of those assessed during the study. This flow event was characterized by approximately 545 cfs released from Bascule Gate #1

¹ River left and river right refer to the directions when facing downstream.

(calculated), 71 cfs from the Fall River (measured), and 560 cfs from Station No. 1 (reported), for total flows of approximately 616 cfs below Peskeomskut Island (measured) and 1,007 cfs below Station No. 1 (calculated).

The difficulty of the bypass reach under Flow #3 was rated as Class II (Novice) by most boaters. At a minimum, all boaters indicated that they would at least "possibly" return to the bypass reach during conditions similar to Flow #3.

Overall, the results of the Turners Falls boating navigability study demonstrate that the bypass reach provides through-paddling opportunities for a variety of watercraft and skill levels. Flow #3 (545 cfs released from Bascule Gate #1) was determined to be the minimum navigable flow and the flow at which boaters are most likely to return to the bypass reach for recreational opportunities.

TABLE OF CONTENTS

1	INTI	RODUCTION1
2	BAC	KGROUND1
		Existing Information1
	2.2	Need for Additional Information
3	МЕТ	HODOLOGY
	3.1	Study Area
	3.2	Logistics
		Evaluation
4	RES	ULTS11
	4.1	Flow Conditions
	4.2	Participants
		Navigability11

LIST OF TABLES

Table 2.1-1: Proposed Minimum Flows for Turners Falls Bypass Reach	2
Table 3.2-1: Target Flow Release Schedule	9
Table 3.3-1: List of Videos Taken during Boating Study	10
Table 4.1-1: Actual Flows Measured and Calculated during the Study	11
Table 4.3-1: Average Boater Ratings for Evaluated Characteristics by Flow	12
Table A-1: Summary of Pre-Run Boater Information Forms	1
Table A-2: Summary of Single-Flow Evaluation Forms – Flow 1	2
Table A-3: Summary of Single-Flow Evaluation Forms – Flow 2	3
Table A-4: Summary of Single-Flow Evaluation Forms – Flow 3	4
Table A-5: Summary of Single-Flow Evaluation Forms – Flow 4	5

LIST OF FIGURES

Figure 3.1-1: Study Area Map – Overview	5
Figure 3.1-2: Study Area Map – Peskeomskut Island / Put-In Area	
Figure 3.1-3: Study Area Map – Rawson Island / Take-Out Area	7

LIST OF APPENDICES

APPENDIX A: SUMMARY OF EVALUATION FORMS APPENDIX B: PRE-RUN BOATER INFORMATION FORMS APPENDIX C: SINGLE-FLOW EVALUATION FORMS APPENDIX D: PHOTOGRAPHS

LIST OF ABBREVIATIONS

ADCP	acoustic Doppler current profiler
AFLA	Amended Final License Application
AMC	Appalachian Mountain Club
cfs	cubic feet per second
CRC	Connecticut River Conservancy
DCR	Massachusetts Department of Conservation and Recreation
DEP	Massachusetts Department of Environmental Protection
DFG	Massachusetts Department of Fish and Game
FERC	Federal Energy Regulatory Commission
FirstLight	FirstLight Hydro Generating Company
ILP	Integrated Licensing Process
NMFS	National Marine Fisheries Service
NRF	Naturally Routed Flow
TFH	Turners Falls Hydro
USFWS	United States Fish and Wildlife Service

1 INTRODUCTION

The Turners Falls Hydroelectric Project (FERC No. 1889) is owned and operated by FirstLight MA Hydro LLC² on the Connecticut River in Gill and Montague, Massachusetts. In December 2020, FirstLight filed its Amended Final License Application (AFLA) with the Federal Energy Regulatory Commission (FERC) to relicense the Project.

In November 2021, a boating navigability study was conducted to assess the potential effects of discharges from Turners Falls Dam on navigability for recreational boaters in the upper bypass reach of the Connecticut River below Turners Falls Dam at various flows. For the purpose of this study, a "navigable" reach was defined as one through which boaters can paddle recreational watercraft without having to portage around obstacles, even if minor bumping and/or scraping occurs.

This study was conducted in collaboration with representatives from the Massachusetts Department of Environmental Protection (DEP), Massachusetts Department of Conservation and Recreation (DCR), and the Connecticut River Conservancy (CRC) (collectively referred to as the Study Team).

2 BACKGROUND

2.1 Existing Information

Project Description

The Turners Falls Dam is located on the Connecticut River at approximately river mile 122 (above Long Island Sound) on the Connecticut River, in the towns of Gill and Montague in Franklin County, MA. Below the dam, a 2.7-mile-long bypassed section of the Connecticut River is paralleled by the power canal. Station No. 1 and Cabot Station discharge into the Connecticut River approximately 0.9 miles and 2.7 miles downstream of the Turners Falls Dam, respectively.

Project Operations

Flow is maintained in the bypass reach at various times of the year either through the Spillway Ladder attraction flow, fish ladder flow, or via a bascule gate. However, when the hydraulic capacity of the power canal (approximately 18,000 cubic feet per second, cfs), is exceeded and water elevations in the Turners Falls Impoundment start to rise, FirstLight will open bascule or Tainter gates accordingly to spill water at the dam and into the bypass reach.

Minimum Flow Requirements

Under the current FERC license for the Turners Falls Project, FirstLight is required to release a continuous minimum flow of 1,433 cfs or inflow, whichever is less, below the Project. FirstLight

² For purposes of this document, Northfield Mountain LLC, which owns the Northfield Mountain Pumped Storage Project and FirstLight MA Hydro LLC, which owns the Turners Falls Hydroelectric Project, are collectively referred to as FirstLight.

typically maintains the minimum flow requirement through discharges at Cabot Station and/or Station No. 1.

A continuous minimum flow of 200 cfs is also maintained in the bypass reach starting on May 1, increasing to 400 cfs when fish passage starts by releasing flow through a bascule gate. The 400 cfs continuous minimum flow is provided through July 15, unless the upstream fish passage season has concluded early, in which case the 400 cfs flow is reduced to 120 cfs. The 120 cfs continuous minimum flow is maintained in the bypass reach from the date the fish ladders are closed (or by July 16) until the river temperature drops below 7°C, which typically occurs around November 15.

In its AFLA, FirstLight proposed the Turners Falls bypass flows shown in Table 2.1-1 below.

Date	Total Bypass Flow ²	Turners Falls Dam	³ Station No. 1
01/01-03/31	1,500 cfs or the Naturally Routed Flow (NRF), whichever is less	300 cfs	$1,200 ext{ cfs}^4$
04/01-05-311	6,500 cfs or the NRF, whichever is less	4,290 cfs	$2,210 ext{ cfs}^4$
06/01-06/151	4,500 cfs or the NRF, whichever is less	2,990 cfs	1,510 cfs ⁴
06/16-06/301	3,500 cfs or the NRF, whichever is less	2,280 cfs	$1,220 ext{ cfs}^4$
07/01-08/31	1,800 cfs or the NRF, whichever is less	670 cfs	$1,130 cfs^4$
09/01-11/30	1,500 cfs or the NRF, whichever is less	500 cfs	$1,000 { m ~cfs^4}$
12/01-12/31	1,500 cfs or the NRF, whichever is less	300 cfs	$1,200 ext{ cfs}^4$

Table 2.1-1: Proposed Minimum Flows for Turners Falls Bypass Reach

¹The flow split during these periods is approximately 67% from the Turners Falls Dam and 33% from Station No. 1. If FirstLight conducts further testing, in consultation with the National Marine Fisheries Service (NMFS), US Fish and Wildlife Service (USFWS) and Massachusetts Department of Fish and Game (DFG) and determines that migratory fish are not delayed by passing a greater percentage of the bypass flow via Station No. 1, it may increase the percentage through Station No. 1 upon written concurrence of those agencies.

²If the NRF is less than 6,500 cfs (04/01-05/31), 4,500 cfs (06/01-06/15) or 3,500 cfs (06/16-06/30) the flow split will still be set at approximately 67% of the NRF from the Turners Falls Dam and 33% of the NRF from Station No. 1. If the NRF is less than 1,800 cfs (7/1-8/31), 1,500 cfs (9/1-11/30), or 1,500 cfs (12/1-3/31), the Licensee shall maintain the Turners Falls Dam discharges at 670 cfs, 500, cfs, and 300 cfs, respectively.

³To maintain the flow split, Station No. 1 must be automated, which will not occur until Year 3 of the license. FirstLight proposes to maintain the flow split such that the Turners Falls Dam discharge will be as shown above, or higher flows will be spilled, in cases where the additional flow cannot be passed through Station No. 1.

⁴The Turners Falls Hydro (TFH) project (FERC No. 2622) and Milton Hilton, LLC project (unlicensed) are located on the power canal and discharge into the bypass reach upstream of Station No. 1. The hydraulic capacity of the TFH project and Milton Hilton, LLC project is 289 and 113 cfs, respectively. If the TFH project is operating, FirstLight will reduce its Station No. 1 discharge by 289 cfs. If the Milton Hilton, LLC project is operating, FirstLight will reduce its Station No. 1 discharge by 113 cfs.

Previous Studies

During the relicensing process, FirstLight performed Study No. 3.6.3 *Whitewater Boating Evaluation* in the 2.7-mile-long Turners Falls Dam bypass reach (from Turners Falls Dam to Cabot Station) in accordance with FERC's ILP. A study report was prepared in March 2015.

The whitewater boating evaluation was conducted in July 2014. A team of whitewater boaters in various types of watercrafts ran up to six evaluation flows (2,500, 3,500, 5,000, 8,000, 10,000 and 13,000 cfs) over a three-day period. The reach was found to provide an acceptable whitewater boating experience for most watercraft types at all six of the study flows, with overall optimal boating conditions for most watercraft type occurring in the 5,000-8,000 cfs range. Additionally,

both lower and higher flows rated well with the participants, although the ratings were dependent on type of watercraft and skill level.

Bypass reach access points were also identified as part of this study. The study identified three areas (Spillway Ladder Put-In, Turners Falls Station No. 1 Fishing Access, Cabot Woods Fishing Access) that currently provide access to the bypass reach, and one site (Poplar Street Access) downstream of the bypass reach that currently serves as both the canoe portage put-in and as a take-out for those boating the bypass reach. It was determined that both the fishway put-in area and Turners Falls Station No. 1 Fishing Access could provide adequate access to the bypass reach for skilled and experienced whitewater boaters. The Cabot Woods Fishing Access is not suitable for bypass access due to steep slopes.

As part of the Turners Falls Recreation Management Plan filed with the AFLA, improvements are proposed for the put-in below the Turners Falls Dam on river-left³. There is an existing informal pathway leading to the base of the dam just downstream of the existing Spillway Ladder. The proposed access would be provided via the existing bridge spanning the power canal (known as the "IP Bridge"). Once over the canal, a formal 12-foot-wide path would lead to the riverbank put-in, with directional signs along the path.

2.2 Need for Additional Information

Additional information was needed for lower flows that could potentially allow recreational boaters to paddle through the Turners Falls bypass reach. Through consultation with the Study Team, it was agreed that navigability would be assessed at flows of approximately 500 cfs, 670 cfs, and 900 cfs. Adjustments were made to this proposed release schedule during the study based on field conditions as described below.

3 METHODOLOGY

3.1 Study Area

An overview map of the study area is shown in **Figure 3.1-1**. Detail maps of the upstream extent (Peskeomskut Island) and downstream extent (Rawson Island) are shown in **Figures 3.1-2** and **3.1-3**, respectively. The study area included the Connecticut River between the Turners Falls Dam and the Cabot Woods access point below Rawson Island. This reach is approximately 2.5 miles long (as measured by the longest paths around the islands). The Fall River joins the Connecticut River approximately 0.16 miles downstream of the dam on river-right.

The upstream segment of the study reach extends from the toe of the Turners Falls Dam to the pool upstream of the Turners Falls Road Bridge (see **Figure 3.1-2**). This area includes an expansive plunge pool at the base of the dam, which remains wetted from dam leakage and Fall River flows. Flow exiting the plunge pool has two major outlets, separated by a small island (known as Peskeomskut Island) in the center of the channel.

The river-right channel follows the western shore and immediately bifurcates upon exiting the plunge pool into a far-right channel and a center channel adjacent to the island (see **Figure 3.1-2**). The two sub-channels are divided by a bedrock outcrop and both have well-defined channel cross-

³ River-left and river-right refer in this report to the direction when facing downstream.

sections. The far-right channel is generally uniformly wide and comprised of shallow run and riffle morphologies.

The center channel is separated from the far-right channel by a bedrock terrace. It is bedrock controlled, relatively straight, and flume-like. At a dam discharge of 125 cfs, it is approximately 4 or more feet deep and fast-flowing⁴.

The river-left channel has a poorly defined channel and lacks a distinct thalweg. Flow passes over broken ledge and rubble, through crevasses, and over short vertical drops.

All channels converge near the upstream end of a large pool, approximately 1,500 feet upstream of the Turners Falls Road Bridge, where the bypass reach narrows. The channel continues relatively straight and riverine in form, with a defined thalweg on the river-left side, to the end of the upper bypass at the confluence with the Station No. 1 tailrace.

The lower segment of the study reach is approximately 1.4 miles long, extending from the Station No. 1 tailrace downstream to the Rawson Island complex and a geological feature including a natural ledge drop known as Rock Dam. The bedrock-defined channel bifurcates into left, center right, and far right channels around Rawson Island. The Rock Dam is located near the downstream end of the left channel. The reach terminates in a pool downstream of Rawson Island.

The study area included Rawson Island in order to evaluate the navigability of the river-right channels around the island so boaters could avoid the potentially hazardous Rock Dam in the river-left channel.

⁴ As observed during relicensing Study No. 3.3.1 *Instream Flow Habitat Assessments in the Bypass Reach and below Cabot Station.*

Figure 3.1-1: Study Area Map – Overview





Figure 3.1-2: Study Area Map – Peskeomskut Island / Put-In Area

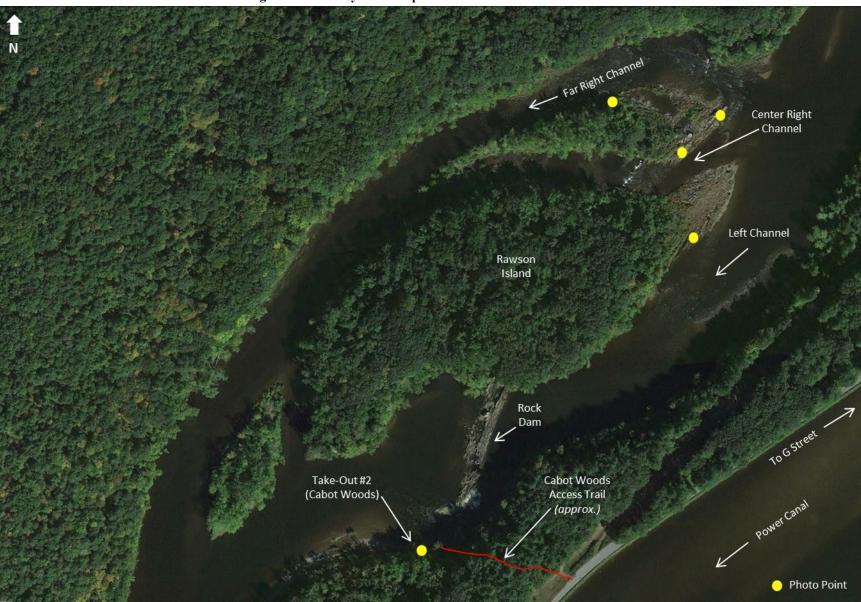


Figure 3.1-3: Study Area Map – Rawson Island / Take-Out Area

3.2 Logistics

Participants

FirstLight coordinated with the Study Team to identify potential volunteer boaters for the study. Organizations contacted during boater outreach included the Appalachian Mountain Club (AMC), CRC, and other local paddling groups. Requirements for volunteer boaters included the following:

- Minimum age: 18
- Minimum paddling skill: Novice (comfortable running Class II whitewater; higher skill level and/or boater safety training preferred)
- Minimum gear:
 - Canoe or kayak (no paddleboards, rafts, or catarafts)
 - Personal flotation device (Type III or Type V)
 - Helmet
 - Closed-toe shoes
 - Wetsuit w/ splash gear OR thermals with dry suit
 - Warm hat/gloves

Access

Figure 3.1-1 shows the boat put-in and take-out areas utilized for the study. Two put-ins and two take-outs were made available for the study, though participants primarily used Put-In #1 (Spillway Ladder) and Take-Out #2 (Cabot Woods)⁵.

A close-up of the put-in area is shown in **Figure 3.1-2**. The put-ins are located near the base of the dam on river-left downstream of the existing Spillway Ladder. Both put-ins are accessible by walking across the IP Bridge and down informal pathways leading to the riverbank. Put-In #1 is located immediately downstream of the Spillway Ladder and requires paddlers to paddle around Peskeomskut Island via the left, center, or right channels. Put-In #2 is located approximately 800 feet farther downstream along the left bank and allows boaters to skip paddling around the island⁶.

Two take-out options were also made available during the study. Take-Out #1 is located on the upstream side of the Station No. 1 tailrace, which is accessible by an informal pathway leading down from the paved parking area (shown in **Figure 3.1-1**). Take-Out #2 is located downstream of the Rock Dam at the Cabot Woods Fishing Access trail (shown in **Figure 3.1-3**). Take-Out #1 (Station No. 1) was made available in case boaters needed to take-out early due to a safety concern, or to shorten the study reach and boating run time once a determination had been made regarding navigability around Rawson Island.

Rock Dam is a known hazard at certain flows. Only experienced whitewater paddlers with a trained rescue spotter (with throw bag) stationed below the rapid were permitted to navigate the left channel over Rock Dam during this study. Rock Dam navigability was not part of the assessment.

⁵ Put-In #1 was used for all flows. Take Out #2 was used for all flows except Flow #4. Boaters took out at Station No. 1 (Take-Out #1) for Flow #4 due to reduced daylight.

 $^{^{6}}$ Note that while no boaters launched from Put-In #2 during the study, its ease of access/launching was visually assessed under the various study flows.

Flow Releases & Measurements

A range of test flows were scheduled to be released from Bascule Gate No. 1 at Turners Falls Dam. In addition, Station No. 1 was scheduled to generate during the study to be representative of FirstLight's AFLA bypass flow proposal during the paddling season, as the backwater effect of the tailwater release from the station may improve navigability upstream. The target release schedule originally proposed for the study is provided in **Table 3.2-1**. (The actual flows measured or calculated during the study varied from these targets and are provided in **Section 4**.)

E L N . 1	Target Release Flow (cfs)							
Flow No. ¹	Bascule Gate #1	Station No. 1	TOTAL					
1	500	1000	1500					
2	670	1130	1800					
3	1100	600	1700					
4	4 900		1500					

Table 3.2-1: Target Flow Release Schedule

¹*The order of Flows No.* 3 & 4 *were swapped in this table (with Flow 3 being the highest flow released from the bascule gate) to match the order of flows as actually released during the study.*

After the adjustment of the bascule gate to release each test flow, a wait time of at least 30 minutes was provided to allow the flow to move through the bypass reach and stabilize.

The test flows were verified by collecting a flow measurement downstream of Peskeomskut Island during each flow release. This flow measurement was collected using an acoustic Doppler current profiler (ADCP). Additionally, the flow in the Fall River was measured and recorded on the day of the study using a digital flow meter.

3.3 Evaluation

For each test flow, boaters paddled the study reach and assessed navigability. Participating boaters completed a Pre-Run Boater Information Form prior to commencing the boating runs to collect contact information and background about the boater's type of watercraft, skill level, and boating history. Boaters then completed a Single Flow Evaluation Form after each flow run to evaluate the navigability of that flow. Upon completion of the final boating run, a post-evaluation discussion was facilitated to discuss the study and gather additional feedback from the participants.

A summary of the boater evaluation forms is provided in **Appendix A**. Original scanned forms are provided in **Appendix B** (Boater Information Forms) and **Appendix C** (Single Flow Evaluation Forms).

Photographs and/or videos were recorded at the following locations by the Study Team during each test flow:

- Put-In #1 (Spillway Ladder)
- Put-In #2
- Peskeomskut Island Right Channel
- Peskeomskut Island Center Channel
- Peskeomskut Island Left Channel
- Rawson Island Right Channel
- Rawson Island Center Channel

- Rawson Island Left Channel
- Rock Dam
- Cabot-Woods Take-Out

Photo/video locations are shown in **Figures 3.1-2** and **3.1-3**. Photos are provided in **Appendix D**. Videos can be viewed or downloaded from the following website⁷:

https://gomezandsullivan.sharepoint.com/:f:/s/flims/Ek0EgG4dJqNOnHUyijwDjPIBd23ru RvysUPu3CA-ema4gg?e=hIYeFS

Table 3.3-1 below provides a list of videos available on the website.

No.	Flow No.	Flow (cfs) ¹	Location	Channel	Boater(s)
		. ,			
1-01	1	214	Peskeomskut	Center	1, 2
1-02	1	214	Peskeomskut	Center	5, 10
1-03	1	214	Peskeomskut	Center + Right	3,4,6,7,8,9
2-01	2	276	Peskeomskut	Center	1,2
2-02	2	276	Peskeomskut	Center	6,7,8
2-03	2	276	Peskeomskut	Center + Right	4,5,9,10
2-04	2	276	Peskeomskut	Right	3,9
2-05	2	276	Rawson	Right	1,2
2-06	2	276	Rawson	Right	9
2-07	2	276	Rock	Left	-
3-01	3	545	Peskeomskut	Center + Right	3,5,10
3-02	3	545	Peskeomskut	Right	7,8,9
3-03	3	545	Put-In 2	Center	5,10
3-04	3	545	Put-In 2	Center + Right	4,6
3-05	3	545	Put-In 2	Right	3,7,8
3-06	3	545	Rawson	Center + Right	-
3-07	3	545	Rawson	Right	1,2,5,10
3-08	3	545	Rawson	Right	3
3-09	3	545	Rock Dam	Left	7,8
4-01	4	376	Peskeomskut	Center	1,2
4-02	4	376	Peskeomskut	Center + Right	3,4,5,9,10
4-03	4	376	Put-In 2	Center + Right	All

Table 3.3-1: List of Videos Taken during Boating Study

¹Calculated release from Bascule Gate #1 based on flow measured below Peskeomskut Island less flow measured in Fall River (71 cfs). See **Table 4.1-1** for additional details on flows during the study.

Data and feedback collected from the demonstration flow study were used to evaluate navigability of the bypass reach by recreational boaters.

⁷ This website is only accessible by invited users. Contact Gomez and Sullivan for access for additional users if needed.

4 **RESULTS**

The boating demonstration flow study was conducted on November 9, 2021. A team of volunteer boaters, observers, and the Study Team gathered at the site to visually and directly assess navigability in the study area under various flows.

4.1 Flow Conditions

The actual flow conditions during the study varied from the original target flow releases presented previously in **Table 3.2-1**. **Table 4.1-1** below provides the actual flows experienced by boaters in the upper and lower bypass reach as well as the calculated actual flows released from Bascule Gate #1 during the study.

	Start Time	Actual Flow (cfs)								
Flow No.		Measured Flow below Peskeomskut Is.	Measured Flow in Fall River	Calculated Release from Bascule Gate #1	Station No. 1 Generation	Total Flow at Rawson Island				
		А	В	A - B = C	D	$\mathbf{A} + \mathbf{D} = \mathbf{E}$				
1	8:30 AM	285	71	214	1010	1295				
2	10:40 AM	347	71	276	1080	1427				
3	12:55 PM	616	71	545	560	1176				
4	2:05 PM	447	71	376	560	1007				

Table 4.1-1: Actual Flows Measured and Calculated during the Study

Additionally, Cabot Station (downstream of the study area) was generating approximately 41 megawatt-hours (MWh) during the study, with about 9,000 cfs passing through the station.

4.2 Participants

Ten boaters participated in the study. The boaters utilized four canoes (solo and tandem) and three kayaks during study, for a total of seven boats. Boaters were asked to rate their skill level associated with their watercraft, ranging from novice to expert. Two boaters considered themselves novices, four considered themselves intermediate, three considered themselves advanced, and one considered himself an expert. Four of the boaters indicated that they had paddled the study reach previously, while six had not.

4.3 Navigability

Boaters were also asked to evaluate each flow based on their watercraft and skill level for various characteristics, rating each characteristic on a scale ranging from -2 (totally unacceptable) to 2 (totally acceptable). Characteristics included navigability, safety, ease of put-in, scrapes/bumps, and portages for each flow experienced. Responses for each of the rated characteristics were averaged by flow. Table 4.3-1 summarizes the average rating of each characteristic for a given flow.

	Rating ¹							
Characteristic	Flow 1	Flow 2	Flow 3	Flow 4				
	(285/1,295 cfs) ²	(347/1,427 cfs) ²	(616/1,176 cfs) ²	(447/1,007 cfs) ²				
Navigability	Neutral -0.40	Unacceptable -0.70	Acceptable 0.50	Unacceptable -0.50				
Safety	Neutral 0.10	Neutral -0.20	Acceptable 0.60	Neutral 0.00				
Ease of Put-In	Neutral	Neutral	Neutral	Neutral				
	0.22	0.30	0.40	0.20				
Scrapes/Bumps	Unacceptable	Unacceptable	Neutral	Unacceptable				
	-0.60	-0.89	0.38	-0.67				
Portages	Neutral	Neutral	Acceptable	Neutral				
	-0.11	-0.11	1.00	-0.13				

¹Key to ratings available for boaters to choose from: -2 = Totally Unacceptable; -1 = Unacceptable; 0 = Neutral; 1 = Acceptable; 2 = Totally Acceptable. Average rating values were assigned to the nearest rating category.

²*Flow above Station No. 1/Flow below Station No. 1.*

Two areas of interest were the primary focus of the navigability evaluation: the channels around Peskeomskut Island immediately below Turners Falls Dam and the channels around Rawson Island below Station No. 1 at the downstream extent of the study reach. At Peskeomskut Island, the left channel was unnavigable under all assessed flows, but boaters were able to paddle the center-right and far-right channels (with varying level of difficulty) under all flows. The center-right channel is narrow and flume-like, while the far-right channel is more riffle-like. Boater feedback was mixed on which channel would be the preferable and/or safer route under the range of flows assessed.

At Rawson Island, boaters were able to navigate the far-right channel with no issues under all assessed flows. The center-right channel was unnavigable under all flows. Several experienced whitewater boaters took the left channel around Rawson Island to paddle over Rock Dam, which was runnable but not recommended for novice paddlers.

Put-In #2, located approximately 800 feet downstream of the Spillway Ladder and Put-In #1, was determined to be an acceptable put-in option for boaters wishing to bypass Peskeomskut Island. However, the path to access Put-In #2 would require some modification and clearing to improve ease of access.

Flow #3 was determined to be the minimum navigable flow of those assessed during the study. This flow event was characterized by approximately 545 cfs released from Bascule Gate #1 (calculated), 71 cfs from the Fall River (measured), and 560 cfs from Station No. 1 (reported), for total flows of approximately 616 cfs below Peskeomskut Island (measured) and 1,007 cfs below Station No. 1 (calculated).

The difficulty of the bypass reach under Flow #3 was rated as Class II (Novice)⁸ by most boaters (seven boaters gave a rating of Class II, while two additional boaters gave a range of ratings that included Class II).

⁸ According to the International Scale of River Difficulty, Class II runs involve straightforward rapids with wide, clear channels which are evident without scouting. Occasional maneuvering may be required, but rocks and medium-sized

Lastly, boaters were asked how likely they were to return to the bypass reach for recreation under each flow. Boaters were more likely to return under conditions similar to Flow #3 than any other flow. At a minimum, all boaters indicated that they would at least "possibly" return to the bypass reach during conditions similar to Flow #3.

Overall, the results of the Turners Falls boating navigability study demonstrate that the bypass reach provides through-paddling opportunities for a variety of watercraft and skill levels. Flow #3 (545 cfs released from Bascule Gate #1) was determined to be the minimum navigable flow and the flow at which boaters are most likely to return to the bypass reach for recreational opportunities.

waves are easily missed by trained paddlers. Swimmers are seldom injured and group assistance, while helpful, is seldom needed.

APPENDIX A: SUMMARY OF EVALUATION FORMS

Table A-1: Summary of Pre-Run Boater Information Forms										
Question	Paddler									
Question	1	2	3	4	5	6	7	8	9	10
Watercraft Type	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe
Tandem Partner	Nancy Condon	Tom Condon	N/A	N/A	Noah Pollack	N/A	Bryan Pytko	Jim Sullivan	N/A	Deb Weissman
Years of Experience with Watercraft	50	50	25	40	45	15	34	1	20	30
Skill Level with Watercraft	Advanced	Intermediate	Intermediate	Intermediate	Novice	Advanced	Expert	Intermediate	Novice	Advanced
Paddling Days per Year	30	13	25	24	40	80	170	30	7	60
Previous Boating Experience with Study Reach	No	No	No	Yes	No	Yes	Yes	Yes	No	No

Table A-1: Summary of Pre-Run Boater Information Forms

 Table A-2: Summary of Single-Flow Evaluation Forms – Flow 1

		Table A-2: Summary of Single-Flow Evaluation Forms – Flow 1 Paddler											
Question		1	2	3	Δ	r	6	7	8	9	10		
t t	Watercraft Type	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe		
Boat	Watercraft Loading	Light	Light	None	Light	None	Yes	None	None	Light	None		
Route	Put-In Location	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1		
	Take-Out Location	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2		
	Channel around Peskeomskut Island	Center Right	Center Right	Far Right	Center Right	Center Right	Far Right	Far Right	Left	Far Right	Center Right		
	Channel around Rawson Island	Far Right	Far Right	Far Right	Far Right	Far Right	Center Right	Left (Ctr. Right not possible due to ledge)	Left (Ctr. Right un- runnable, no water)	Far Right	Far Right		
No.	Scrapes/Bumps	5	5	5	11	1	5	10	10	11	2		
Z	Portages	0	N/A	0	0	0	0	1	1	0	0		
	Navigability	-1	1	-2	-1	1	1	-1	-1	-1	0		
	Safety	1	1	-1	0	1	0	-1	-1	0	1		
Rating ¹	Ease of Put-In	1	1	2	N/A	0	-1	-2	-1	1	1		
R.	Scrapes/Bumps	-1	0	-2	-1	1	0	-1	-1	-1	0		
	Portages	0	0	0	0	0	0	0	-1	0	N/A		
UO	Likelihood of Return	Possibly	Possibly	N/A	Definitely Not	Probably	Possibly	Possibly	Definitely Not	Definitely Not	Possibly		
uati	Difficulty Rating ²	2	2	N/A	1	1	4	2	2	2	2		
Evaluation	Min. Recommended Skill Level	Intermediate	Intermediate	N/A	Novice	Novice	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate		
Other	Difficulties	Lots of maneuvering needed to avoid pillows and exposed rocks	Navigating many pillows and exposed rocks in center right channel of Peskeomskut Island and 3 places throughout bypass	N/A	Got completely stopped once in center right channel of Peskeomskut Island	N/A	Opening ledges tough to read near Put-In #1	Peskeomskut Island: much scraping, some pushing. Improvements are needed for dry land access to be more accessible to a wider range of paddlers.	Center channel at Rawson Island is un- passable; rock ledge out of the water	Stuck in upper far right channel around Peskeomskut Island	Shallow water in ctr. R channel around Peskeomskut required careful river running. Boulder garden above Rawson requires maneuvering in quickly moving water.		
	Comments	Whitewater reading and paddling skills necessary to maneuver through rock gardens	It is necessary to have an ability to maneuver a boat with confidence, although not life threatening if breached	Flow around Rawson Island was ok	N/A	N/A	Low - only to be done out of necessity	More water would provide a much better experience at the 1st rapid (Peskeomskut). The rest was decent water.	Novice paddlers would struggle around Peskeomskut Island	Upper far-right channel around Peskeomskut was bony; too low to "navigate" successfully for a novice. The rest of the reach was ok. The far- right channel around Rawson was ok.	Paddlers must be able to "read" the river to avoid hazards, mostly boulders, as flow increases below Station #1. Far-right channel around Peskeomskut Island is not recommended.		

¹Key to Ratings: -2 = Totally Unacceptable; -1 = Unacceptable; 0 = Neutral; 1 = Acceptable; 2 = Totally Acceptable ²Based on the International Scale of River Difficulty: Class I, Class II (Novice), Class III (Intermediate), Class IV (Advanced), Class V (Expert) Note: Some responses edited for clarity. See Appendix B for original evaluation forms.

 Table A-3: Summary of Single-Flow Evaluation Forms – Flow 2

					Table A-3: Summary	y of Single-Flow Evaluat	ldler				
	Question	1	2	3	4	5	6	7	8	9	10
t	Watercraft Type	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe
Boat	Watercraft Loading	Light	Light	None	Light	None	Yes	None	None	Light	None
	Put-In Location	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1
	Take-Out Location	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2
Route	Channel around Peskeomskut Island	Center Right	Center Right	Far Right	Center Right	Center Right	Far Right	Center Right	Center Right	Far Right	Center Right
	Channel around Rawson Island	Far Right	Far Right	Far Right	Left	Far Right	Center Right	Left	Left (Center Right was un-runnable)	Far Right	Far Right
N0.	Scrapes/Bumps	7	8	5	9	7	5	10	N/A	10	7
Z	Portages	0	0	0	0	0	0	1	N/A	0	0
	Navigability	-2	-1	-2	-1	0	1	-1	-1	-1	1
	Safety	0	-1	-1	0	1	0	-1	-1	0	1
Rating ¹	Ease of Put-In	1	1	1	0	1	-1	-1	-1	1	1
R	Scrapes/Bumps	-2	-1	N/A	-1	-1	0	-1	-1	-1	0
	Portages	0	1	N/A	0	0	0	-1	-1	0	0
on	Likelihood of Return	Possibly	Probably	Definitely Not	Definitely Not	Possibly	Possibly	Probably	Definitely Not	Definitely Not	Possibly
luati	Difficulty Rating ²	2	2	2	1	1	4	2	2	2	2
Evaluation	Min. Recommended Skill Level	Intermediate	Intermediate	Intermediate	Novice	Novice	Intermediate	Intermediate	Intermediate	Intermediate	Intermediate
Other	Difficulties	Center Right at Peskeomskut Island was worse than during Flow #1.	More difficulty around Peskeomskut this time. Two absolute stops and more scrapes. Other sections much the same. After Sta. 1, more water made for just nice, navigable runs.	Stuck on rocks at top island, far right.	One stop at center right channel at Peskeomskut Island. Pushed off the rock with the paddle.	Stuck once at right center of top island. Scraped 7 times mostly right center of top island.	Opening ledges tough to read near Put-In #1.	Got stuck at bottom of Center Right chute. Run felt like the same flow as previous.	No noticeable difference from Flow #1	Stuck in upper far right channel	Hit more rocks in center chute, oddly enough
Off	Comments	Top section around Peskeomskut Is. was worse or at least no better than at Flow #1. Lower section below Sta. 1 was easier to paddle with more flow covering some rocks and making others more noticeable.	Same or bonier in Center Right chute around Peskeomskut Island as the previous, lower level	Flow around Rawson Island was acceptable	There really wasn't any difference from Flow #1. One or two less scrapes, but this might have been an effect of learning the channel.	N/A	Low - only to be done out of necessity	No noticeable difference from the previous run	Very easy to get "lost" in center channel first rapids	This was the same experience as Flow #1	The additional flow did not materially change the experience

¹Key to Ratings: -2 = Totally Unacceptable; -1 = Unacceptable; 0 = Neutral; 1 = Acceptable; 2 = Totally Acceptable ²Based on the International Scale of River Difficulty: Class I, Class II (Novice), Class III (Intermediate), Class IV (Advanced), Class V (Expert) Note: Some responses edited for clarity. See **Appendix C** for original evaluation forms.

					Table 11-4. Summary of	_	ddler				
	Question	1	2	3	4	5	6	7	8	9	10
	Watercraft Type	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe
	Watercraft Loading	Light	Light	None	Light	None	Yes	None	None	Light	None
	Put-In Location	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1
,	Take-Out Location	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2	Take-Out #2
	Channel around Peskeomskut Island	Center Right	Center Right	Far Right	Center Right	Center Right	Far Right	Far Right	Far Right	Far Right	Center Right
	Channel around Rawson Island	Far Right	Far Right	Far Right	Left	Far Right	Far Right	Left	Left	Far Right	Far Right
;	Scrapes/Bumps	1	1	3	3	3	4	3	3	5	N/A
1	Portages	0	0	0	0	0	0	0	0	0	N/A
	Navigability	1	2	-1	0	1	1	-1	0	0	2
D	Safety	1	1	0	0	1	0	0	0	1	2
	Ease of Put-In	1	1	1	0	1	-1	0	-1	1	1
	Scrapes/Bumps	1	2	N/A	0	1	0	-1	0	0	N/A
	Portages	1	2	N/A	0	2	0	N/A	1	1	N/A
1	Likelihood of Return	Probably	Definitely Yes	Possibly	Possibly	Probably	Possibly	Definitely Yes	Possibly	Probably	Definitely Yes
	Difficulty Rating ²	2	2	2	2	1 to 2	4	2	2	2	2 to 3
	Min. Recommended Skill Level	Intermediate	Intermediate	Intermediate	Novice	Novice	Intermediate	Intermediate	Intermediate	Novice	Novice (summer) and Intermediate (winter temps)
	Difficulties	Top around Peskeomskut Island much better at this flow	Fun. Only one scrape. Still skillful navigation helpful. Must maintain heading in Ctr. Right of Peskeomskut. Pillows require navigability in Far Right of Rawson.	N/A	This flow was better. No significant issues. Just a few bumps around the first island.	Just scrapes.	Pinned at Far Right ledges at opening ledges.	First rapid Class II, Rock dam Class III. We didn't get stuck this time, but it's still scrape-y. Below first rapid was about the same level of sufficient flow.	N/A	Bumps upper Far Right channel around Peskeomskut	Two minor bumps in Center Right chute around Peskeomskut
	Comments	Still requires river reading and maneuverability skills	Much improved from previous run levels. Not as long but ability to direct a canoe is still necessary (adds to the fun)	N/A	N/A	N/A	Tougher to navigate rocks	Getting better. A little more water would make it a fluid run but at this level it is much more passable.	Not great, but far better than the AM runs. Still not appropriate for beginners, the rapid lines are scratchy and hard to follow. At this level, first rapid is a real class II.	I feel this was minimum acceptable flow	Nice level. Still a little bumpy up high, but fun and pretty. Difficult to get around gate before pedestrian bridge with canoe. Need larger opening.

Table A-4: Summary of Single-Flow Evaluation Forms – Flow 3

Boat

Route

N0.

Rating¹

Evaluation

Other

¹Key to Ratings: -2 = Totally Unacceptable; -1 = Unacceptable; 0 = Neutral; 1 = Acceptable; 2 = Totally Acceptable ²Based on the International Scale of River Difficulty: Class I, Class II (Novice), Class III (Intermediate), Class IV (Advanced), Class V (Expert) Note: Some responses edited for clarity. See *Appendix C* for original evaluation forms.

Table A-5:	Summary o	of Single-Flow	[•] Evaluation	Forms – Flow 4
1 4010 11 01	Summary	or onigic rion	L'aluation	1011113 11011 1

					Table A-5: Summary o	0					
	Question				-	Pa	ldler				1
	Question	1	2	3	4	5	6	7	8	9	10
Boat	Watercraft Type	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe	Canoe	Kayak	Canoe
Bo	Watercraft Loading	Light	Light	None	Light	Yes	Yes	None	None	Light	Yes
	Put-In Location	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1	Put-In #1
e	Take-Out Location	Take-Out #1	Take-Out #1	Take-Out #1	Take-Out #1	Take-Out #1	Take-Out #1	Take-Out #1	Take-Out #1	Take-Out #2	Take-Out #2
Route	Channel around Peskeomskut Island	Center Right	Center Right	Center Right	Center Right	Far Right	Center Right	Center Right	Center Right	Far Right	Far Right
	Channel around Rawson Island	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
N0.	Scrapes/Bumps	4	3	3	6	8	3	10	10	7	4
Z	Portages	0	0	0	0	0	0	1	0	0	0
	Navigability	-1	-1	-1	-1	0	1	-1	-1	-1	1
	Safety	1	-1	0	0	1	0	-1	-1	0	1
Rating ¹	Ease of Put-In	1	1	1	0	0	-1	-1	-1	1	1
R;	Scrapes/Bumps	-1	-1	N/A	-1	-1	0	-1	-1	-1	1
	Portages	0	0	N/A	N/A	0	0	-1	-1	0	1
uo	Likelihood of Return	Possibly	Possibly	Possibly	Definitely Not	Definitely Not	Possibly	Definitely Yes	Definitely Not	Possibly	Probably
uati	Difficulty Rating ²	2	2	2	2	1	4	2	2	2	2 to 3
Eval	Min. Recommended Skill Level	Intermediate	Intermediate	Intermediate	Novice	Novice	Intermediate	Intermediate	Intermediate	Intermediate	Novice
Other	Difficulties	Difficult maneuvering around Peskeomskut Island	More scrapes than Flow #3 in Center Right of Peskeomskut island. Bony; difficult for through-paddlers or novices.	N/A	Experienced one stop (also 6 scrapes) in the Center Right channel around Peskeomskut Island. The stop turned me sideways and I had to push off the bottom with my paddle to get free.	Far Right of Peskeomskut Island much too low. Like being in a pinball machine.	Paddler needs to know lines at opening ledges	Went exploring in Center Right chute around Peskeomskut. The two ledges were fun, but we got stuck. Could have scratched down left.	N/A	Bumps and stuck in upper Far Right channel around Peskeomskut	"Pin ball" around Peskeomskut Island. More water would have made it easier.
	Comments	Requires maneuvering skills and river reading skill.	Hard to find a paddle- able route at this flow.	N/A	N/A	N/A	I ran different lines in Flow #3 out #4 was far better than #1 or #2	Lower than desired	All levels today were too low. 600 cfs [Flow #3] was close. 670 would be good to try.	Too low to "navigate" successfully.	Would have been difficult with fully loaded canoe, but generally enough water to get down with occasional bouncing off rocks

¹Key to Ratings: -2 = Totally Unacceptable; -1 = Unacceptable; 0 = Neutral; 1 = Acceptable; 2 = Totally Acceptable ²Based on the International Scale of River Difficulty: Class I, Class II (Novice), Class III (Intermediate), Class IV (Advanced), Class V (Expert) Note: Some responses edited for clarity. See **Appendix C** for original evaluation forms.

APPENDIX B: PRE-RUN BOATER INFORMATION FORMS

	Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study
Dat	te: $1/6/2$
la	me: E. BAARLEN WACHIA
m	ail Address:RMD @ ADVERT IPE EASS. com
	What type of watercraft will you be using for this boating flow evaluation? (Check one)
. 1	
	Canoe Kayak Cher (describe): (TURING)
	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
.	How many years have you been using this type of watercraft?\$years
	How would you rate your skill level with this type of watercraft? (Check one) Whitewater classifications defined on next page.
	Novice (comfortable running Class II whitewater)
	Intermediate (comfortable running Class III whitewater)
	Advanced (comfortable running Class W whitewater) Ja Icy
	Expert (comfortable running Class V whitewater)
).	In general, how many days per year do you spend paddling? <u>80</u> days (Please use a whole number rather than a range; it's fine to estimate.)
ò.	What is your age? (must be at least 18 years old to participate)
′.	Have you boated this reach before? 🛛 Yes 🛛 No
5.	Will you be using the provided shuttle services for this study? (Check all that apply)
	$\vec{\mu}$ Boat Shuttle $\vec{\mu}$ Person Shuttle (must be vaccinated and masked)

	Boating Demonstration Flow Study
at	$e: \underline{11/9/2/}$
an	ne: <u>Paul Jahnige</u> ail Address: <u>pjahnige@gmail.com</u>
ma	ail Address: pjahnige @ gmail, com
_	What type of watercraft will you be using for this boating flow evaluation? (Check one)
-	Canoe Kayak Other (describe):
	(TOURING)
	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
	How many years have you been using this type of watercraft? 20 years
•	now many years have you been using this type of water elements.
•	How would you rate your skill level with this type of watercraft? (Check one) Whitewater classifications defined on next page.
	Novice (comfortable running Class II whitewater)
	Intermediate (comfortable running Class III whitewater)
	Advanced (comfortable running Class IV whitewater)
	Expert (comfortable running Class V whitewater)
	In general, how many days per year do you spend paddling?7 days (Please use a whole number rather than a range; it's fine to estimate.)
•	What is your age? 54 (must be at least 18 years old to participate)
	Have you boated this reach before? 🛛 Yes 🗹 No
	Will you be using the provided shuttle services for this study? (Check all that apply)
	Doat Shuttle (must be vaccinated and masked)

	$i_{1}/\frac{9}{2021}$
lan	ne: Debra Weisenstein
ma	ne: <u>Debra Weisenstein</u> ail Address: <u>deweis</u> @alum.m.t. edu
	What type of watercraft will you be using for this boating flow evaluation? (<i>Check one</i>)
	Canoe
	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
	How many years have you been using this type of watercraft? years
I.	How would you rate your skill level with this type of watercraft? (Check one) Whitewater classifications defined on next page.
	Novice (comfortable running Class II whitewater)
	Intermediate (comfortable running Class III whitewater)
	Advanced (comfortable running Class IV whitewater)
	Expert (comfortable running Class V whitewater)
j.	In general, how many days per year do you spend paddling?4O days (Please use a whole number rather than a range; it's fine to estimate.)
ò.	What is your age? (must be at least 18 years old to participate)
2	Have you boated this reach before? 🛛 Yes 🔽 No
3.	Will you be using the provided shuttle services for this study? (Check all that apply)
	☑ Boat Shuttle ☑ Person Shuttle (must be vaccinated and masked)

)at	te: $11/9/21$
Va	me: <u>Tack Gill</u>
Em	ail Address: jackgille yahod.com
1.	What type of watercraft will you be using for this boating flow evaluation? (Check one)
	□ Canoe □ Kayak □ Other (describe): (OC I WW)
2.	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
3.	How many years have you been using this type of watercraft? $40+$ years
4.	How would you rate your skill level with this type of watercraft? (Check one) Whitewater classifications defined on next page.
	Novice (comfortable running Class II whitewater)
	Intermediate (comfortable running Class III whitewater)
	Advanced (comfortable running Class IV whitewater)
	Expert (comfortable running Class V whitewater)
5.	In general, how many days per year do you spend paddling? days (Please use a whole number rather than a range; it's fine to estimate.)
6.	What is your age? <u>67</u> (must be at least 18 years old to participate)
7.	Have you boated this reach before? 🗹 Yes 🛛 No
8.	Will you be using the provided shuttle services for this study? (Check all that apply)
	Person Shuttle (must be vaccinated and masked)

ate: $\frac{1/9}{21}$	Boating Demonstration		
nail Address: <u>CCh12</u>	live, com		
What type of watercraft will y	ou be using for this boati	ng flow evaluation? (Check one)	
Canoe	Kayak	Other (describe):	
Please provide the name of yo		ner (in the same boat with you), if any:	
1 <u></u>			
How many years have you bee	n using this type of wate	ercraft? 25 years	
How would you rate your skill Whitewater classifications dej	ined on next page.		
Novice (comfortal	ole running Class II white	water)	
Intermediate (cor	nfortable running Class II	l whitewater)	
Advanced (comfo	table running Class IV w	hitewater)	
Expert (comfortal	le running Class V white	water)	
In general, how many days pe (Please use a whole number re	r year do you spend pad hther than a range; it's fi	dling? days ne to estimate.)	
. What is your age? <u>63</u>	'must be at least 18 year	s old to participate)	
. Have you boated this reach b	efore? 🛛 Yes 🗹 No		
. Will you be using the provide	shuttle services for this	study? (Check all that apply)	
Boat Shuttle		uttle (must be vaccinated and masked)	

at	e:
ar	ne: <u>Noncy Condon</u>
ma	ail Address: <u>nancy@paddlefor water-net</u>
	What type of watercraft will you be using for this boating flow evaluation? (Check one)
	Canoe Canoe Kayak Other (describe):
	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
	How many years have you been using this type of watercraft?
	How would you rate your skill level with this type of watercraft? (Check one) Whitewater classifications defined on next page.
	Novice (comfortable running Class II whitewater)
	Intermediate (comfortable running Class III whitewater)
	Advanced (comfortable running Class IV whitewater)
	Expert (comfortable running Class V whitewater)
•	In general, how many days per year do you spend paddling? $\underline{5-20}$ days (Please use a whole number rather than a range; it's fine to estimate.)
	What is your age? (must be at least 18 years old to participate)
•	Have you boated this reach before? 🛛 Yes 🖾 No
	Will you be using the provided shuttle services for this study? (Check all that apply)
	Boat Shuttle (Person Shuttle (must be vaccinated and masked)

	me: <u>Ton Condon</u>
m	ail Address: <u>Science @ condon, net</u>
	What type of watercraft will you be using for this boating flow evaluation? (Check one)
	Canoe 🗆 Kayak 🗍 Other (describe):
2.	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
3.	How many years have you been using this type of watercraft? 554 years
ł.	How would you rate your skill level with this type of watercraft? (Check one) Whitewater classifications defined on next page. Novice (comfortable running Class II whitewater) Intermediate (comfortable running Class III whitewater) Advanced (comfortable running Class IV whitewater) Expert (comfortable running Class V whitewater)
5.	In general, how many days per year do you spend paddling?36days (Please use a whole number rather than a range; it's fine to estimate.)
5.	What is your age? (must be at least 18 years old to participate)
7	Have you boated this reach before? Yes No
3.	Will you be using the provided shuttle services for this study? (Check all that apply) Boat Shuttle Person Shuttle (must be vaccinated and masked)

	Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study
)ai	e:
la	ne: Noch Polluch
m	ail Address: Nah @ Uli mort river construction ory
l.	What type of watercraft will you be using for this boating flow evaluation? (Check one)
	Canoe 🗌 Kayak 🗌 Other (describe):
2.	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
3.	How many years have you been using this type of watercraft? years
Į.	How would you rate your skill level with this type of watercraft? (Check one) Whitewater classifications defined on next page.
	Novice (comfortable running Class II whitewater)
	Intermediate (comfortable running Class III whitewater)
	Advanced (comfortable running Class IV whitewater)
	Expert (comfortable running Class V whitewater)
5.	In general, how many days per year do you spend paddling? days (Please use a whole number rather than a range; it's fine to estimate.)
6.	What is your age? 40 (must be at least 18 years old to participate)
	Have you boated this reach before? 🔲 Yes 🗹 No
7.	
7. 3.	Will you be using the provided shuttle services for this study? (Check all that apply)

	e: 11921
	ne: Brian Pytko
m	ail Address:
	What type of watercraft will you be using for this boating flow evaluation? (Check one)
	Ø Canoe □ Kayak □ Other (describe): Mad River Legend 16'
	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
	Jim Sullivan
	How many years have you been using this type of watercraft? years
	How would you rate your skill level with this type of watercraft? (Check one)
	Whitewater classifications defined on next page.
	Novice (comfortable running Class II whitewater)
	Intermediate (comfortable running Class III whitewater)
	Advanced (comfortable running Class IV whitewater)
	Expert (comfortable running Class V whitewater)
	davs
	In general, how many days per year do you spend paddling? days (Please use a whole number rather than a range; it's fine to estimate.)
	What is your age? (must be at least 18 years old to participate)
	Have you boated this reach before? 🗹 Yes 🛛 No
	Will you be using the provided shuttle services for this study? (Check all that apply) Image: Shuttle imag

	Boating Demonstration Flow Study
	me: James Sullivan
ma	ail Address:
	What type of watercraft will you be using for this boating flow evaluation? (Check one)
·	Canoe Kayak Other (describe):
	Mad River Legend 16'
	Please provide the name of your tandem paddling partner (in the same boat with you), if any:
	Brian Pytko
	How many years have you been using this type of watercraft? <u>34</u> years
	How would you rate your skill level with this type of watercraft? (Check one) Whitewater classifications defined on next page.
	Novice (comfortable running Class II whitewater)
	Intermediate (comfortable running Class III whitewater)
	Advanced (comfortable running Class IV whitewater)
	X Expert (comfortable running Class V whitewater)
	In general, how many days per year do you spend paddling? 170 days (Please use a whole number rather than a range; it's fine to estimate.)
	What is your age? (must be at least 18 years old to participate)
000	Have you boated this reach before? 🖾 Yes 🛛 No
3.	Will you be using the provided shuttle services for this study? (Check all that apply)
	Boat Shuttle (must be vaccinated and masked)

APPENDIX C: SINGLE-FLOW EVALUATION FORMS

ate: 119 ime: 10 ame: 10 0	Turner 21 4m//: 1 Cond	Single Flow rs Falls Hydroeld Boating Demo	ectric Projec	t, FERC No. 18	89	
. Please indicate 500 cfs #1 . Did you load yo		🗌 670 cfs		□ 900 cfs	🗋 Oth	ner:
Left X	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right	ite "left" & " Fai Fai	right" refer to Right [r Right]	direction fach] N/A (put in] N/A (took of	ng downs ream.) a below island) ut above island)
. Channel taken	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right your watercraft	ter left" & " Far Far t and skill lev	right" refer to Right [r Right] vel for each of	direction for h N/A (put in N/A (took of the following Totaliy	ng downs from (below island) ut above island) characteristics. If unacceptable, was flow:
. Channel taken □ Left X . Channel taken □ Left (Rock 0 . Please evaluate	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right your watercraft	ite "left" & " Fai Fai	right" refer to Right [r Right]	direction form N/A (put in N/A (took of the following	ng downs ream) a below island) ut above island) characteristics.
. Channel taken □ Left X . Channel taken □ Left (Rock 0 . Please evaluate	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right your watercraft	ter left" & " Far Far t and skill lev	right" refer to Right [r Right] vel for each of	direction form N/A (put in N/A (took of the following Totaliy acceptable 2	ng downs ream) a below island) ut above island) characteristics. If unacceptable, was flow: Too Too
. Channel taken Left X . Channel taken Left (Rock T . Please evaluate	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right your watercraft	te left" & " Far Far t and skill lev Neutral	right" refer to Right C r Right Q vel for each of Acceptable	direction for h N/A (put in N/A (took of the following Totaliy acceptable 2 2	ng downs ream) a below island) ut above island) characteristics. If unacceptable, was flow: Too Too
 Channel taken Left Channel taken Left (Rock D Please evaluate 	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right your watercraft octeristic.) Unacceptable	te left" & " Far Far t and skill lev Neutral	right" refer to Right C r Right Q vel for each of Acceptable	direction form N/A (put in N/A (took of the following Totaliy acceptable 2	ng downs ream) a below island) ut above island) characteristics. If unacceptable, was flow: Too Too
 Channel taken Left Channel taken Channel taken Left (Rock 0) Please evaluate Navigaolaty Safety 	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right your watercraft acteristic.) Unacceptable	te left" & " Far Far t and skill lev Neutral 0 0	right" refer to Right C r Right Q vel for each of Acceptable	direction for h N/A (put in N/A (took of the following Totaliy acceptable 2 2	ng downs ream) a below island) ut above island) characteristics. If unacceptable, was flow: Too Too

-		Difficulty		Location in Bypass
10	to of manuver	ing needed.		
P	Maris jeros	ed brocks		
	- 1			
9.	are you likely to return	for future boating along t	his reach at <u>this</u> flow? (Cl)err ci
	Definitely not	Possibly	🗋 Probabiy	Definitely yes
Ę	uniculty of the run at t	is flow? (If appropriate, ;	efined below), how would novide a range of classifi	d you rate the whitewater cation this
1	his flow rates as Class:	I		
11, (Ahat skill lavel do you t	hink a paddler needs to sa	efely paddle the bypass a	t <u>this</u> flow? I can a merep
Į	🗆 Beginner 🛛 🗌	Novice 📈 Intern	nediate 🔲 Advance	d 🔲 Expert
12. · u Y	case provide any addit	ional comments about the neading to manuver	is flow below. and paddle Huraugh r	ng skills ock gavdens
nteir	icaol White water Scale			
6. LI	east - Faut moving water with rif	fles and small waves. Few obstruc	ons, all obvious and cesily missed v	with the second and Aisk to swimmers
 3 	ess # - Straightforward rapids w	ith wide, clear channels which are s are easily missed by trained paddi	evident without scotting. Occasic ers. Swimmers are setdom injured	onal manuflivering may be required, and aroun assistance withle helpful
	silv avoided. Strong eddies an	powerful current effects can be	es are often required, arge waves found, particularly on Jarge volume	n opic contrel. Compleximaneuvers or strike (kimäy be present but are he river: scouting is advisable for nce moving required to avoid long
e 1 113	iov turn may be needed to initiat av be necessary the first time do	e maneuvers, scout rapids, or rest.	passages demanding fast maneux Rapids may require "must" moves a Inderate to high, and water condit	Depending on the character of the versubder pressure. A fast, reliable above dancerous hazards. Scouting ions may make self-rescue difficult.
i Cia Jan Tue	ass V – Extremely long, obstruct was and holes or steep, conges manding a high level of fitness. ese factors may be combined. So	ed, or very violent rapids which ex ted chutes with complex demand What eddies exist may be small, t	pose a paddler to acced risk. Dro ng routes: Rapids may continue irbulent, or difficult to reach. At the e difficult Swims are dangerous a	ps may contain large, unavoidable for long distances between pools, he high end of the scale several of

11	Turne	Single Flow rs Falls Hydroel Boating Demo		t, FERC No. 18	89		
Date: 11/9/2	1						
1							
	Condos	0					
vame. <u>Jom</u>	0.100						
L. Please indicate	which flow re	lease this surve	y correspon	ds to. (Check a	ine)		
500 cfs		1		🛛 900 cfs	🗖 Oth	ner:	
		670 cfs					
2. Did you load yo		# L		¥.	Π.		
. Did you load yo	our <mark>boat with</mark> g	gear or other w	eights for th	is run?	s 🗀 No		
	X	7		X			
. Put-in location	for this run	Put-In #1 (at	fish ladder)	🛛 Put-In #	2 (below Pesl	keomskut	t Islan d)
, Ful-HIOCALION			'				
. Ful-menocation			,				
				. /			
 Fut-infocation Take-out locat 				. /	ake-Out #2 (C		
				. /			
I. Take-out locat	ion f <mark>or this run</mark>	: 🗋 Take-Out	#1 (Station I	No. 1) 🙀 Ta	ake-Out #2 (Ca	abot Wo	ods)
 Take-out locat Channel taken 	ion for this run past Peskeom	: 🗌 Take-Out skut Island: (No	#1 (Station I ote "left" & "	No. 1) 🙀 Ta	ake-Out #2 (Ca	abot Woo	ods) Stresm (
 Take-out locat Channel taken 	ion f <mark>or this run</mark>	: 🗌 Take-Out skut Island: (No	#1 (Station I	No. 1) 🙀 Ta	ake-Out #2 (Ca	abot Woo	ods) Stresm (
 Take-out locat Channel taken 	ion for this run past Peskeom	: 🗌 Take-Out skut Island: (No	#1 (Station I ote "left" & "	No. 1) 🙀 Ta	ake-Out #2 (Ca	abot Woo	ods) Stresm (
 Take-out locat Channel taken Left 	ion for this run past Peskeom Center Right (: 🗖 Take-Out skut Island: (No (deep chute)	#1 (Station I ote "left" & "	No. 1) 🙀 Ta	ake-Out #2 (Ca	abot Woo	ods) Stresm (
 Take-out locat Channel taken Left Channel taken 	on for this run past Peskeom Center Right (past Rawson I	: 🗖 Take-Out skut Island: (No (deep chute) sland:	#1 (Station I ote "left" & " ☐ Far	No. 1) X Ta 'right" refer to ' Right [ake-Out #2 (Ca direction fach N/A (put in	abot Woo ng down a below is	ods) stresens) iland)
4. Take-out locat 5. Channel taken □ Leît	on for this run past Peskeom Center Right (past Rawson I	: 🗖 Take-Out skut Island: (No (deep chute)	#1 (Station I ote "left" & " ☐ Far	No. 1) 👿 Ta 'right" refer to ' Right [ake-Out #2 (Ca	abot Woo ng down a below is	ods) stresens) iland)
 Take-out locat Channel taken Left Channel taken Left (Rock D 	ion for this run past Peskeom Center Right (past Rawson Is pam)	: Take-Out skut Island: (No (deep chute) sland: Center Right	#1 (Station I ote "left" & " ☐ Far	No. 1) X Ta right" refer to Right [r Right [ake-Out #2 (Ca direction facin N/A (put in N/A (took on	abot Woo ng down 1 below is 1 tabove	ods) strasm.) sland) island)
 Take-out locat Channel taken Left Channel taken Left (Rock D Please evaluat 	ion for this run past Peskeom Center Right (past Rawson Is pam)	i: Take-Out skut Island: (No (deep chute) sland: Center Right your watercraf	#1 (Station I ote "left" & " ☐ Far	No. 1) X Ta right" refer to Right [r Right [ake-Out #2 (Ca direction facin N/A (put in N/A (took on	abot Woo ng down 1 below is 1 tabove	ods) strasm.) sland) island)
 Take-out locat Channel taken Left Channel taken Left (Rock D Please evaluat 	ion for this run past Peskeom Center Right (past Rawson Is pam)	: Take-Out skut Island: (No (deep chute) sland: Center Right	#1 (Station I ote "left" & " ☐ Far	No. 1) X Ta right" refer to Right [r Right [ake-Out #2 (Ca direction facin N/A (put in N/A (took on	abot Woo ng down i below is ut above characte	ods) strator (sland) island) eristics.
 Take-out locat Channel taken Left Channel taken Left (Rock D Please evaluat 	ion for this run past Peskeoms Center Right (past Rawson Is ram)	i: Take-Out skut Island: (No (deep chute) sland: Center Right your watercraf	#1 (Station I ote "left" & " ☐ Far	No. 1) X Ta right" refer to Right [r Right [ake-Out #2 (Ca direction facu N/A (put in N/A (took ou the following	abot Woo ng down a below is ut above characte	ods) strature) sland) island) eristics.
 Take-out locat Channel taken Left Channel taken Left (Rock D Please evaluat 	ion for this run past Peskeoms Center Right (past Rawson Is ram)	i: Take-Out skut Island: (No (deep chute) sland: Center Right your watercraf	#1 (Station I ote "left" & " ☐ Far	No. 1) X Ta right" refer to Right [r Right [ake-Out #2 (Ca direction facu N/A (put in N/A (took ou the following Totally	abot Woo ng down below is ut above characte If unace was	ods) ,trosons) ;land) island) eristics. eptable, flow:
 Take-out locat Channel taken Leît Channel taken Left (Rock D Please evaluat 	ion for this run past Peskeoms Center Right (past Rawson Is ram)	: Take-Out skut Island: (No (deep chute) sland: Center Right your watercraf	#1 (Station I ote "left" & " Far K Far t and skill lev	No. 1) Ta right" refer to Right [r Right [vel for each of	ake-Out #2 (Ca direction facu N/A (put in N/A (took ou the following	abot Woo ng down a below is ut above characte	ods) strature) sland) island) eristics.
 Take-out locat Channel taken Left Channel taken Left (Rock D Left (Rock D Please evaluat 	ion for this run past Peskeoms Center Right (past Rawson Is am)	: Take-Out skut Island: (No (deep chute) sland: Center Right your watercraf	#1 (Station I ote "left" & " Far K Far t and skill lev	No. 1) Ta right" refer to Right [r Right [vel for each of	ake-Out #2 (Ca direction facu N/A (put in N/A (took ou the following Totally	abot Woo ng down below is ut above characte if unace was Too	ods) (troam) (land) (sland) eristics. eristics. ceptable, flow: Too
 Take-out locat Channel taken Left Channel taken Left (Rock D Left (Rock D Please evaluat Or or or or 	ion for this run past Peskeoms Center Right (past Rawson Is am)	: Take-Out skut Island: (No (deep chute) sland: Center Right your watercraf (a cracteristic.) Unacceptable -1	#1 (Station I ote "left" & " Far K Far t and skill lev Neutral	No. 1) Ta <i>right" refer to</i> Right r Right vel for each of Acceptable	ake-Out #2 (Ca direction facu N/A (put in N/A (took ou the following Totally acceptable	abot Woo ng down below is ut above characte if unace was Too	ods) (troam) (land) (sland) eristics. eristics. ceptable, flow: Too
 Take-out locat Channel taken Left Channel taken Left (Rock D Left (Rock D Please evaluat On the one the 	ion for this run past Peskeoms Center Right (past Rawson Is pam) e this flow for r for each of Totally unacceptable	: Take-Out skut Island: (No (deep chute) sland: Center Right your watercraft your watercraft or cracteristic.) Unacceptable -1 -1 -1	#1 (Station I ote "left" & " Far K Far t and skill lev Neutral	No. 1) Ta <i>right" refer to</i> r Right C r Right C vel for each of Acceptable 1	ake-Out #2 (Ca direction facu N/A (put in N/A (took ou the following Totally acceptable 2	abot Woo ng down below is ut above characte if unace was Too	ods) (troam) (land) (sland) eristics. eristics. ceptable, flow: Too
 Take-out locat Channel taken Left Channel taken Left (Rock D Left (Rock D Please evaluat Or or or or 	ion for this run past Peskeoms Center Right (past Rawson Is am)	: Take-Out skut Island: (No (deep chute) sland: Center Right your watercraf (a cracteristic.) Unacceptable -1	#1 (Station I ote "left" & " Far K Far t and skill lev Neutral 0	No. 1) Ta right" refer to Right I r Right I vel for each of Acceptable	ake-Out #2 (Ca direction facu N/A (put in N/A (took of the following Totally acceptable 2 2	abot Woo ng down below is ut above characte if unace was Too	ods) (troam) (land) (sland) eristics. eristics. ceptable, flow: Too

No. of times: ¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

8	Did you experience any difficulties during your run at this flow (e.g., stuck on obstacles, had to
	curtage, etc.)? Provide a brief description and location of any difficulty.

-	Difficulty Location in Bypass
	Center Right @ P. is and was worse than at 500 cfs.
	(
9.	Are you likely to return for future boating along this reach at this flow? (Check of a
	Definitely not Possibly Definitely yes
1(Description of the international Whitewater Scale (defined below), how would you rate the whitewater officulty of the run at <u>this</u> flow? (If appropriate, provide a range of classification of <u>this</u> flow).
	This flow rates as Class:
11	Afhat skill level do you think a paddler needs to safely paddle the bypass at this flow?
	🖸 Beginner 🛛 Novice 🕅 Intermediate 🗖 Advanced 🔤 Expert
12	. Please provide any additional comments about <u>this</u> flow below.
To	2 section and P ista line is appear and least
No	p section around P. island was worse or at least better than @ 500 cfs.
10	sec section he king statem #1 was scare 1. Ille
wit	per section below Station #1 was easier to paddle In more flow covering some rocks & waking others
Inte	motion Whitewaterscale more noticable
8	First Frast thowing with a riffles and small waves. Few obstructions, all obvious and seally missed with mers
4	Cass II – Straightfookard rapids with wide, clear channels which are evident without scouding. Occasional manuscrating hav be repuired, https://www.are.dow.exection.com/occasional.com
3	Liss III – 5 acids with moderate, irregular waves which may be difficult to avoid, and which can swamp an open of a Complex handwers fast current and poor boat control in tight passages or around ledges are often required: arge waves or strain may be of asent out are to volded. Strong addies and powerful current effects can be found, particularly on large-volume may be of asent out are to upper addies. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long points.
e.	Class IV – Intense, powerful but predictable rapids requiring precise loat handling in turculent water. Depending on the character of the even, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable event turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above on cerous hazards. Scouting may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult. couple assistance for rescue is often essential but requires practiced skills. A strong esking coll is highly record. ded
0	Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to acided risk. Drops may contain large unavoidable mess and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long stances between pools, ese factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and resc. Is often difficult even for corts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essinated.

Single Flow Evaluation Form Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study
Date:
Time: 2:30
Name: Tom Condon
1. Please indicate which flow release this survey corresponds to. (Check one)
□ 500 cfs □ 670 cfs □ 0ther:
2. Did you load your boat with gear or other weights for this run? Xyes D No
3. Put-in location for this run: 📈 Put-In #1 (at fish ladder) 🛛 🗖 Put-In #2 (below Peskeomskut island)
4. Take-out location for this run: 🔲 Take-Out #1 (Station No. 1) 📈 Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction focung downstream.)
El Left Center Right (deep chute) Erar Right IN/A (put in below island)
6. Channel taken past Rawson Island:
🔲 Left (Rock Dam) 🔹 Center Right 🖉 Far Right 🗖 N/A (took out above island)
7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics.

	Totally unacceptable	Unacceptable	Neutral	Acceptable	Totally acceptable	If unacceptable; was flow:	
						Too low	Too high
Navigaoiiity	-2	-1	0		2		
Safety	-2	-1	0		2		
Ease of put-in	-2	-1	0		2		
Scrapes/bumps	-2	-1	0		2		
Portages' No. of times: O	-2	-1	O		2		

Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

8,	Did you experience any difficulties during your run at this flow (e.g., stuck on obstacles, had to
	cortage, etc.)? Provide a brief description and location of any difficulty.

Difficulty Location In Bypass
Top around Piskend much better attlis flow
9. Are you likely to return for future boating along this reach at this flow? (Check on a
Definitely not Possibly Probably Definitely yes
10. Fased on the International Whitewater Scale (defined below), how would you rate the whitewater difficulty of the run at <u>this flow?</u> (if appropriate, provide a range of classification of <u>this</u>) This flow rates as Class:
11. What skill level do you think a paddler needs to safely paddle the bypass at this flow? (Coord could be a s
🗆 Beginner 🗖 Novice 🙀 Intermediate 🗖 Advanced 🗖 Expert
12. Flease provide any additional comments about this flow below. still requires niver reading ; Manuveras, life skills
International Whitewater Scale
 Class 1 – Fast moving water with riffles and small waves. Few obstructions, all obvious and easily missed with little claiming. Ask Liswimmers slight, self-rescue is pasy.
 Class II – Straigntforward rapids with wide, clear channels which are evident without scouling. Occasional in the warring may be required, out rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are seldom injured and ano in assistance, while helpful a kildom needed.
 Class III – Rapids with impderate, irregular waves which may be difficult to avoid, and which can swamp an oper cance. Complex maneuvers Institurrent and good boat control in tight passages or around ledges are often required; large waves or strain is may be present but are nas iv avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. It out no is edvisable for experienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance in the required to avoid long current.
• Class <i>W</i> – Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Dependent on the character of the river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable cody turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above del terous hazards. Scouting may be needed to initiate down. Risk of injury to swimmers is moderate to high, and water conditions that have ended to initiate down. Risk of injury to swimmers is moderate to high, and water conditions that have ended to initiate down. Risk of injury to swimmers is moderate to high, and water conditions that have ended to initiate down. Risk of injury to swimmer and the conditions that have ended to initiate down. Risk of injury to swimmer and the conditions that have ended to initiate down. Risk of injury to swimmer and the requires practice of the rescue of the rescue difficult.
 Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to acceed risk. Drops marked that have been pools, congested chutes with complex demanding routes. Rapids may continue for the contract statement pools, contact and have of fitness. What eddles exist may be small, turbulent, or difficult to reach. At the high end of the scale reveral of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescile to offen officult even for perts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essible.

Single Flow Evaluation Form Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study Date: <u>119/21</u>
Name: Jon Concon
1. Please indicate which flow release this survey corresponds to. (Check one) □ 500 cfs □ 670 cfs □ 900 cfs
2. Did you load your boat with gear or other weights for this run? Yes D No
3. Put-in location for this run: KPut-In #1 (at fish ladder) 🛛 Dut-In #2 (below Peskeomskut Island)
4. Take-out location for this run: 📈 Take-Out #1 (Station No. 1) 🛛 🗖 Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (<i>Note "left" & "right" refer to direction facing downstriam.</i>)
6. Channel taken past Rawson Island:

7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one must our for each or eracteristic.)

	Tatalki	· Unacceptable	Neutral	Acceptable	Totaliy acceptable	If unacceptable, was flow:	
	Totally unacceptable					Too Too	
Navigability	-2	(-1)	0	1	2		
Safety	-2	-1	0		2		
Ease of put-in	-2	-1	0		2	/	
Scrapes/bumps No. of times: 4	-2		0	1	2	V	
Portages ¹ No. of times:	-2	-1	\bigcirc	1	2		

Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

	Difficulty Location in Bypass
	dificult manuvering around P. Island
9). Are you likely to return for future boating along this reach at this flow? (Check at
	Definitely not Probably Definitely yes
4	0. Fased on the international Whitewater Scale (defined below), how would you rate the whitewater difficulty of the run at this flow? (If appropriate, any ide a range classification of this flow).
	his flow rates as Class:
	2. What skill level up you think a paddler needs to safely paddle the bypass at this flow? (United one)
	🗆 Beginner 🗖 Novice 🕅 Intermediate 🗖 Advanced 🖓 Expert
12	2. case provide any additional comments about <u>this</u> flow below. Requires strong MGMGVE Shace all (1) court 1
	Requires strong manuvering skills and river reading skill.
'nti	err si ronal Whiteweter Scale
8	Class 7 - Rest moving water with riffles and small waves. Few obstructions, all obvious and easily missed with accelerations, all obvious and easily missed with accelerations and easily missed with accelerations.
0	Class II – Straign (forward rapids with wide, clear channels which are evident without scoluing. Occasional in the clearing may be required, but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are still om injured and group assistance will be beloful 1bid on neered.
8	Clara III - Radids with in operate, irregular waves which may be difficult to avoid performence and

- In tast current and good poat control in tight passages or around ledges are often required, arge waves or straining may on present but are neasily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume inversion Stocume is annotable for mexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long writes.
- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depend is on the character of the
 mvex, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under dressure. A fast, reliable
 eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dimeerous hazaros. Scouting
 may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make sef-rescue difficult.
 Chup assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to anded risk. Drops may ontain large unavoidable
 makes and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long interinces between pools,
 commanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scene several of
 these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue soften officialt even for
 experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are esternal.

	Turne	Single Flow rs Falls Hydroe Boating Demo		t, FERC No. 18	889		
Date: <u>11-9 - 2</u>	2/						
Time:	30						
Name: Nanc	y Condo	И					
1. Please indicate			av correspon	dsto (Checka	nel		
						ner:	
500 cfs #) 2. Did you load yo					noinplat		
71		and an athornu	aights for th		NO		
2. Did you load yo	our boat with g	gear or other W	eignits for th				
3. Put-in location		1				• ا م م م م	laland)
3. Put-in location	for this run:	🖾 Put-In #1 (at	fish ladder)	⊔ Put-In #	2 (below Pes)	(eomskut	island)
				1			
5. Channel taken	past Peskeom	skut Island: (No	ote "left" & "	right" refer to		ng downs	.tream.)
 Channel taken Left Channel taken Left (Rock D Please evaluata 	past Peskeom Center Right (past Rawson I am)	skut Island: (Na deep chute) sland: Center Right your watercraf	ote "left" & " Fa Fa	right" refer to Right [Right [direction foci N/A (put in N/A (took o	ng downs i below is ut above	.tream.) iland) island)
 Channel taken Left Channel taken 	past Peskeom Center Right (past Rawson I am)	skut Island: (Na deep chute) sland: Center Right your watercraf	ote "left" & " Fa Fa	right" refer to Right [Right [direction foci N/A (put in N/A (took o	ng downs i below is ut above characte	iland) island) ristics.
 Channel taken Left Channel taken Left (Rock D Please evaluata 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraf	t and skill lev	right" refer to Right [Right [Right [direction foci N/A (put in N/A (took o	ng downs n below is ut above characte	.tream.) iland) island)
 Channel taken Left Channel taken Left (Rock D Please evaluata 	past Peskeom Center Right (past Rawson I am)	skut Island: (Na deep chute) sland: Center Right your watercraf	ote "left" & " Fa Fa	right" refer to Right [Right [direction facin N/A (put in N/A (took of the following	ng downs n below is ut above characte lf unacc was <i>Too</i>	island) ristics. ristics. flow: <i>Too</i>
 5. Channel taken Left 6. Channel taken Left (Rock D 7. Please evaluate (Circle one number) 	past Peskeom Center Right (past Rawson I am)	skut Island: (Na deep chute) sland: Center Right your watercraf	ote "left" & " Fai Fai t and skill lev Neutral	right" refer to Right [Right [Right [direction focin N/A (put in N/A (took of the following Totally acceptable	ng downs n below is ut above characte If unacc was	island) risland) ristics. eptable, flow:
 5. Channel taken Left Channel taken Left (Rock D 7. Please evaluate (Circle one num 	past Peskeom Center Right (past Rawson I am)	skut Island: (Na deep chute) sland: Center Right your watercraf <i>horacteristic.</i>) Unacceptable -1	ote "left" & " Far Far t and skill lev Neutral	right" refer to Right [Right [Right [direction facin N/A (put in N/A (took of the following Totally acceptable 2	ng downs n below is ut above characte lf unacc was <i>Too</i>	island) ristics. ristics. flow: <i>Too</i>
 5. Channel taken Left Channel taken Left (Rock D 7. Please evaluate (Circle one num Navigability Safety 	past Peskeom Center Right (past Rawson I am)	skut Island: (Na deep chute) sland: Center Right your watercraf <i>horacteristic.</i>) Unacceptable -1 -1	t and skill lev	right" refer to Right [Right [Right [direction focin N/A (put in N/A (took of the following Totally acceptable	ng downs n below is ut above characte lf unacc was <i>Too</i>	island) ristics. ristics. flow: <i>Too</i>
 5. Channel taken Left Channel taken Left (Rock D 7. Please evaluate (Circle one num 	past Peskeom Center Right (past Rawson I am)	skut Island: (Na deep chute) sland: Center Right your watercraf <i>horacteristic.</i>) Unacceptable -1	ote "left" & " Far Far t and skill lev Neutral	right" refer to Right [Right [Right [direction focin N/A (put in N/A (took of the following Totally acceptable 2 2 2	ng downs n below is ut above characte lf unacc was <i>Too</i>	island) ristics. ristics. flow: <i>Too</i>

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

	Difficulty		Location in Bypass
nairgating m	any pillows top	10000 10000 Center	Richannelog Peskoomskut 25 ICES ihroughout Bezpass
9. Are you likely to return	n for future boating along t	his reach at <u>this</u> flow? (C	ћескол
Definitely not	Possibly	Probably	
This flow rates as Class	:	orovide a range of classif	
11. What skill level do you	~1	afely paddle the bypass a nediate 🛛 Advance	~
12. Pease provide any add It is necessar to maneur not life thre	is to have	<u>nis</u> flow below. <u>Aautopheld</u> with canfi eached.	y en ability dence. Although
International Whitewater Scale			
 Class I – Fast moving water with r slight; self-rescue is easy. 	iffles and small waves. Few obstruct	ions, all obvious and easily missed	with little , aining. Risk to swimmers
 Class II – Straightforward rapids but rocks and medium-sized wav bistrocks needed. 	with wide, clear channels which are es are easily missed by trained padd	evident without scouting. Occas lers. Swimmers are seldom injure	ional maneuvering may be required, d and group assistance, while helpful
easily avoided. Strong eddies a	nd powerful current effects can be	ges are often required; large waves found particularly on large volume	an open cance. Complex maneuvers s or strainers may be present but are me rivers - Scouting is advisable for ance may be required to avoid long

- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult. Croup assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable
 waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools,
 demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of
 these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for
 experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	Turne	Single Flow ers Falls Hydroe Boating Dem		ct, FERC No. 18	389		
Date: <u>1/-9</u> - Time: Name: <u>Na</u> r	21	•		,			
Time:	and	run					
Name: Na	new Cond	m					
	icq						
1. Please indicate	e which flow re	elease this surve	ey correspor	ids to. (Check o	one)		
🗖 500 cfs		₩7.		🛛 900 cfs	🗖 Otl	her:	
2. Did you load y	our boat with (gear or other w	eights for th	is run? 🖵 Ye	s 🛛 No		
, ,		1	-				
3. Put-in location	for this runs 1	Dut In #1 (at	fich ladder	Dut_In t	2 (helow Pec	keomsku	t Isiand)
s. Put-in location	for this run: V	∠⊐ ⊬ut-in #1 (at	nsii iduuel)	⊫ rut-iii t	12 (DCIOW I CSI	Reomanu	c isian a j
				/	6		
				_			
4. Take-out locat	io <mark>n for this ru</mark> r	n: 🗖 Take-Out	#1 (Station	No. 1)	ake-Out #2 (C	abot Wo	ods)
4. Take-out locat	ion for this rur	n: 🗖 Take-Out	#1 (Station	No. 1) 🖉 Ta	ake-Out #2 (C	abot Wo	ods)
80							
s. Channel taken	past Peskeom	skut Island: (No	nte "left" & '	'right" refer to	direction faci	ng downs	stream.)
80	past Peskeom	skut Island: (No	nte "left" & '	'right" refer to	direction faci	ng downs	stream.)
5. Channel taken	past Peskeom Center Right	skut Island: (No	nte "left" & '	'right" refer to	direction faci	ng downs	stream.)
5. Channel taken	past Peskeom Center Right	skut Island: (No (deep chute)	ote "left" & '	'right" refer to r Right 【	direction faci	ng down: n below is	stream.) sland)
5. Channel taken	past Peskeom Center Right past Rawson I	iskut Island: (No (deep chute) sland:	ote "left" & ' □ Fa	'right" refer to	direction faci	ng down: n below is	stream.) sland)
5. Channel taken	past Peskeom Center Right past Rawson I	iskut Island: (No (deep chute) sland:	ote "left" & ' □ Fa	'right" refer to r Right 【	direction faci	ng down: n below is	stream.) sland)
5. Channel taken Left 6. Channel taken Left (Rock D	past Peskeom Center Right past Rawson I Pam)	skut Island: (No (deep chute) sland: Center Right	ote "left" & ' Fa	'right" refer to r Right [r Right □	direction faci N/A (put ir N/A (took o	ng down: n below is ut above	stream.) sland) island)
 Channel taken Left Channel taken Channel taken Left (Rock D Please evaluat 	past Peskeom Center Right past Rawson I Pam)	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' Fa	'right" refer to r Right [r Right □	direction faci N/A (put ir N/A (took o	ng down: n below is ut above	stream.) sland) island)
5. Channel taken Left 6. Channel taken Left (Rock D	past Peskeom Center Right past Rawson I Pam)	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' Fa	'right" refer to r Right [r Right □ vel for each of	direction faci N/A (put ir N/A (took o the following	ng downs n below is ut above characte	streom.) sland) island) eristics. eptable,
 Channel taken Left Channel taken Channel taken Left (Rock D Please evaluat 	past Peskeom Center Right past Rawson I pam)	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' Fa	'right" refer to r Right [r Right □	direction faci N/A (put ir N/A (took o	ng downs n below is ut above characte	stream.) sland) island) eristics,
 Channel taken Left Channel taken Channel taken Left (Rock D Please evaluat 	past Peskeom Center Right past Rawson I Pam)	skut Island: (No (deep chute) sland: Center Right your watercraft	t and skill le	'right" refer to r Right [r Right □ vel for each of	direction faci N/A (put ir N/A (took o the following Totally	ng downs a below is ut above characte lf unace was	stream.) sland) island) eristics. eptable, flow:
 Channel taken Left Channel taken Channel taken Left (Rock D Please evaluat 	past Peskeom Center Right past Rawson I pam)	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable	ote "left" & ' Fa Fa t and skill le Neutral	<pre>'right" refer to r Right [r Right [vel for each of Acceptable 1</pre>	direction faci N/A (put in N/A (took o the following Totally acceptable 2	ng downs below is ut above characte If unacc was Too	stream.) sland) island) eristics. eptable, flow: j Too
 5. Channel taken Left Channel taken Left (Rock D 7. Please evaluat (Circle one null) 	past Peskeom Center Right past Rawson I pam) e this flow for per for each of Totally unacceptable	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.)	t and skill lee	<pre>'right" refer to r Right [r Right [vel for each of</pre>	direction faci	ng downs below is ut above characte If unacc was Too	stream.) sland) island) eristics. eptable, flow: j Too
 5. Channel taken Left 6. Channel taken Left (Rock D 7. Please evaluat (Circle one null) 	past Peskeom Center Right past Rawson I pam) e this flow for per for each of Totally unacceptable -2	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable	ote "left" & ' Fa Fa t and skill le Neutral	<pre>'right" refer to r Right [r Right [vel for each of Acceptable 1</pre>	direction faci N/A (put in N/A (took o the following Totally acceptable 2	ng downs below is ut above characte If unacc was Too	stream.) sland) island) eristics. eptable, flow: j Too
 5. Channel taken Left Channel taken Left (Rock D 7. Please evaluat (Circle one not) Navigability Safety 	past Peskeom Center Right past Rawson I pam) e this flow for ber for each of Totally unacceptable -2 -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable	t and skill lee	<pre>'right" refer to r Right [r Right [vel for each of</pre>	direction faci	ng downs below is ut above characte If unacc was Too	stream.) sland) island) eristics. eptable, flow: j Too

Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle. 21. 25 Lone of more bony in center R with of Peskoomskur 21. 25 the previow, 'lower' level.

	Difficulty		Loc	ation in Bypass
More difficultion	cround fester	mokat the	time.	
	much the s 1 sues nice,		te huns.	tion 1 c.more
9. Are you likely to retur	n for future boating a	along this reach	at this flow? (Chec	CK ONO
Definitely not	Possibly	Æ	Probably	💭 Definitely yes
10. Based on the Interna difficulty of the run at This flow rates as Clas	this flow? (If approp	ale (defined be riate, provide a	low), how would y range of classificat	ou rate the whitewater tion or <u>this</u> flow,
11. What skill level do you	u think a paddler need	ds to safely pad	dle the bypass at <u>t</u> l	his flow? (Cherl one)
🗍 Beginner	Novice	Intermediate	Advanced	🗖 Expert
International Whitewater Scale				
 Cass ! – Fast moving water with slight; self-rescue is easy. 	n riffles and small waves. Few	obstructions, all obvi	ious and easily missed with	niitue Coining, Risk to swimmers
 Class II – Straightforward rapid put rocks and medium-sized wards seedom needed. 	ls with wide, clear channels w aves are easily missed by train	vhich are evident wit ed paddlers, Swimm	hout scouting. Occasiona ters are seldom injured an	il maheuvering may be required, d grout: assistance, while helpful
easily avoided. Strong eddies	and powerful current effect:	und ledges are often s can be found, part	required; large waves or icularly on large-volume i	open Complex maneuvers straines may be present but are rivers. Scouting is advisable for e may be required to avoid long
eddy turn may be needed to ini	oldable waves and holes or co tiate maneuvers, scout rapids, down. Risk of injury to swim	onstricted passages c , or rest. Rapids may mers is moderate to	lemanding fast maneuver. require "must" moves abo high, and water condition	pencing on the character of the s under pressure. A fast, reliable ove dangerous hazards. Scouting is may make self-rescue difficult. commended.
 Class V – Extremely long, obstr weves and holes or steep, con cemanding a high level of fitne 	ucted, or very violent rapids gested chutes with complex ss. What eddies exist may be . Scouting is recommended b	which expose a pade demanding routes. e small, turbulent, or out may be difficult.	dler to added risk. Drops Rapids may continue for difficult to reach. At the	may contain large, unavoidable long distances between pools, high end of the scale, several of rescue is often difficult even for

	Turne	Single Flow rs Falls Hydroeld Boating Demo	ectric Proje	ct, FERC No. 18	89		
Date: Fime: Name:	2 Acy Co	nd run					
. Please indicate	which flow re	lease this surve	y correspon	ds to. (Check o	ne)		
500 cf s		🗖 670 cfs	V	日 900 cfs 世 乙	🗖 Oth	ner:	
. Did you load yo	our <mark>boat with</mark> g	gear or other we	eights for th	is run? Ves	No		
5. Channel taken	past Peskeom Center Right (te "left" & ' □ Fa		direction facii] N/A (put in		
 Channel taken Left (Rock D Please evaluat (Orch one null 	am)	Center Right your watercraft	V	-	N/A (took of the following		
					Tatalka		eptable, flow:
	Totally unacceptable	Unacceptable	Neutral	Acceptable	Totaliy acceptable	Too	Тоо
					-	low	high
Navigability	-2	-1	0	1	(2)		
				Kal	2		
Safety	-2	-1	0	12	A 0 10 10 10		
Safety Ease of put-in	-2 -2	-1 -1	0		2		

Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

-1



-2

No. of times: Portages¹

No. of times:

0

1

2

Single Flow Evaluation Form

-	Difficulty			Location in Bypass
al tro	Fun-waver-only/ skillful navigati	scrape-s	till Conte	0 0 0
	Pillous require	maneuve	alititar R	of Rowson
9.	9. Are you likely to return for future k	poating along this re	ach at <u>this</u> flow? (Check or en
		ossibly	Probably	Definitely yes
10	10. Based on the International Whitev difficulty of the run at <u>this</u> flow? This flow rates as Class:	vater Scale (defined appropriate, provid	l below), how wou le a range of clossi	Ild you rate the whitewater fication in <u>this</u> flow.
11	11. What skill level do you think a pade	ller needs to safely	paddle the bypass	at <u>this</u> flow? (Cherrishe)
	Beginner Novice	Intermedia	te 🛛 Advand	ced 🔲 Expert
12 J	12. Please provide any additional com Nuch improved for bony but dulity necessary (Adds		w run	levels. Not as e is still
Inte	International Whitewater Scale			
•	 Class I – Fast moving water with riffles and small w d slight; self-rescue is easy. 	vaves. Few obstructions, al	obvious and easily misse	d with little maining. Risk to swimmers
0	 Class II – Straightforward rapids with wide, clear 	channels which are eviden	t without coulting Ore-	

- Class II Straightforward rapids with wide, clear channels which are evident without scouting. Occasional maneuvering may be required, but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are seldom injured and group assistance, while helpful subform needed.
- Class III Rapids with moderate, irregular waves which may be difficult to avoid, and which can swamp an open called. Complex maneuvers

 fast current and good boat control in tight passages or around ledges are often required; large waves or strainers may be present but are
 easily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. Scouting is advisable for
 Inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long
 swichs.
- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the
 river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable
 cdoy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting
 may be needed to list time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.
 Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommissided.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable invested holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, cemanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of mese factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	Turne	Single Flow ers Falls Hydroele Boating Demo	ectric Project	, FERC No. 18	389	
Date: 11-9	-21					
Time:	4+	"run				
NA	MAIN CO	mdan				#4
Name:	C	stiewij			/	
1. Please indicate v	which flow re	lease this survey	correspond	s to. (Check d	one 750	Dcf5/480
500 cf s		□ 670 cfs		🗖 900 cfs		her:
2. Did you load you		1				Le amalust island)
3. Put-in location f	or this run:	Put-In #1 (at f	fish ladder)	L Put-In #	#2 (below Pes	keomskut Island)
4. Take-out locatio	n for this rur	Take-Out #	1 (Station N	o. 1) 🛛 T	ake-Out #2 (C	abot Woods)
5. Channel taken p	ast Peskeom	iskut Island: (Not	e "left" & "r.	ight" refer to	direction faci	ing downstream.)
		(deep chute)	🗖 Far	-		n below island)
6. Channel taken p	ast Rawson	Island:	4			
🔲 Left (Rock Da	m) 🗖	Center Right	📜 🛛 Far	Right 🛛] N/A (took o	ut above island)
		vourwatorcraft	and skill leve	el for each of	the following	characteristics.
7. Please evaluate	this flow for	characteristic.)				

	Totally				Totally		flow:
	unacceptable	Unacceptable	Neutral	Acceptable	acceptable	Too low	T oo high
Navigability	-2	(-1)	0	1	2		
Safety	-2	(-1)	0	1	2	1. 5. 6.	
Ease of put-in	-2	4	0	1	2		
Scrapes/bumps No. of times:	-2	(1)	0	1	2		
Portages ¹ No. of times: 0	-2	-1	0	1	2		

7.47		Difficulty		Location in Bypass
ľ	be scropes the	in 3th run - lo	rus - Conte	1Rd P. 221.
	difficult for	thry paddle	NO	- D - aca
	novices.			
-				
9,	Are you likely to retur	n for future boating along	this reach at <u>this</u> flow?	Check one
	Definitely not	Possibly	Probably	Definitely yes
10	Guillong of the run at	this flow? (If oppropriate,	efined below), how wo provide a range of class	uld you rate the whitewater ifications for <u>this fie way</u>
	This flow rates as Class			
11	. What skill level do you	think a paddler needs to s	afely paddle the bypass	at <u>this</u> flow? (Cheer one)
	🔲 Seginner	Novice D Inter	mediate 🔲 Advan	ced 🔲 Expert
12	. Please provide any add	litional comments about <u>t</u> find 2 padd	his flow below. le-sble rou	to at this flow.
Inte	mational Whitewater Scale			
0		riffles and small waves. Few obstruc	tions, all obvious and easily misse	ed with little maining. Risk to swimmers
0	Class II — Straightforward rapids out rocks and medium-sized wa 3 Jacidom needed.	with wide, clear channels which are ves are easily missed by trained pade	e evident without scouting. Occ flers. Swimmers are seldom inju	asional maneuvering may be required, red and group assistance, while helpful
	ast can ent and good boat co	ILL VI III UBIIL DASSAGES OF AFOUND IED	Ves are often required large way	p an open cannel. Complex maneuvers resion strainers may be present but are lume rivers - Scouting is advisable for

- inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long swims.
 Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.
- Croup assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommanded.
 Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, carmanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	Turne	Single Flow rs Falls Hydroel Boating Demo	ectric Projec	t, FERC No. 18	89		
1/9/2	1						
ate:	tan y						
me: <u>9:30</u>	AM	, /					
ame: Con	rad X	luthin .	544				
Please indicate v	which flow re	lease this surve	y correspon	<mark>ds to.</mark> (Check o	ne)		
🗹 500 cfs		🛛 670 cfs		🛛 900 cfs	🗖 Oth	ier:	
#)							
Did you load you	ur boat with g	gear or other we	eights for th	is run? 🛛 Ye	s 🗹 No		
			-				
Put-in location f	arthianun. F	Put In #1 (at	fich laddor)	🔲 Put-In #	2 (below Pesk	keomskut	Island)
Put-in location f	or this run: L		nsir iduder)		- (201011 - 201		,
						5hot 10/0/	nde)
Take-out locatio	n for this run	: 🛛 Take-Out	#1 (Station	No. 1) 🛛 🗹 Ta	ike-Out #2 (Ca	abot Woo	ods)
				The second seco			
Take-out locatio				The second seco			
. Channel taken p		skut Island: (No	te "left" &	'right" refer to		ng downs	stream.)
. Channel taken p	ast Peskeom	skut Island: (No	te "left" &	'right" refer to	direction facii	ng downs	stream.)
. Channel taken p □ Left □ (ast Peskeom Center Right (skut Island: (No (deep chute)	te "left" &	'right" refer to	direction facii	ng downs	stream.)
. Channel taken p □ Left □ C . Channel taken p	ast Peskeom Center Right (bast Rawson I	skut Island: (No (deep chute) sland:	ote "left" & " I Fai	right" refer to	direction facin	ng downs 1 below is	itream.) iland)
. Channel taken p □ Left □ (ast Peskeom Center Right (bast Rawson I	skut Island: (No (deep chute)	ote "left" & " I Fai	right" refer to	direction facii	ng downs 1 below is	itream.) iland)
. Channel taken p □ Left □ C . Channel taken p □ Left (Rock Da	ast Peskeom Center Right (Dast Rawson I m) ロ	skut Island: (No (deep chute) sland: Center Right	ote "left" & Far	right" refer to Right [Right [direction facin N/A (put in N/A (took of	ng downs i below is ut above	stream.) Iand) island)
. Channel taken p □ Left □ (. Channel taken p □ Left (Rock Da . Please evaluate	ast Peskeom Center Right (Dast Rawson I m) this flow for	skut Island: (<i>No</i> (deep chute) sland: Center Right your watercrafi	ote "left" & Far	right" refer to Right [Right [direction facin N/A (put in N/A (took of	ng downs i below is ut above	stream.) Iand) island)
. Channel taken p □ Left □ C . Channel taken p □ Left (Rock Da	ast Peskeom Center Right (Dast Rawson I m) this flow for	skut Island: (<i>No</i> (deep chute) sland: Center Right your watercrafi	ote "left" & Far	right" refer to Right [Right [direction facin N/A (put in N/A (took of	ng downs i below is ut above characte	stream.) Iand) island)
. Channel taken p □ Left □ (. Channel taken p □ Left (Rock Da . Please evaluate	ast Peskeom Center Right (Dast Rawson I m) this flow for	skut Island: (No (deep chute) sland: Center Right your watercraft	t and skill le	r Right refer to r Right r Right vel for each of	direction facin N/A (put in N/A (took of the following Totally	ng downs below is ut above characte	stream.) land) island) eristics. eptable, flow:
. Channel taken p □ Left □ (. Channel taken p □ Left (Rock Da . Please evaluate	ast Peskeom Center Right (bast Rawson I m) this flow for ber for each o	skut Island: (<i>No</i> (deep chute) sland: Center Right your watercrafi	ote "left" & Far	right" refer to Right [Right [direction facin N/A (put in N/A (took ou the following	ng downs below is ut above characte If unacc was Too	stream.) Iand) Island) Pristics. Septable, flow: Too
 Channel taken p Left Channel taken p Left (Rock Da Please evaluate (Circle one num) 	ast Peskeom Center Right (Dast Rawson I m) This flow for ber for each of Totally unacceptable	skut Island: (No (deep chute) sland: Center Right your watercraft :harocteristic.)	t and skill ler	r Right refer to r Right r Right vel for each of	direction facin N/A (put in N/A (took of the following Totally	ng downs below is ut above characte	stream.) land) island) eristics. eptable, flow:
 Channel taken p Left □ C Channel taken p Left (Rock Da Please evaluate (Circle one num) 	ast Peskeom Center Right (bast Rawson I m) this flow for ber for each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft :harocteristic.) Unacceptable	t and skill le	r Right r Right r Right vel for each of	direction facin N/A (put in N/A (took ou the following Totally acceptable	ng downs below is ut above characte If unacc was Too	stream.) Iand) Island) Pristics. Septable, flow: Too
 Channel taken p Left Channel taken p Left (Rock Da Please evaluate (Circle one num) 	ast Peskeom Center Right (bast Rawson I m) this flow for ber for each o Totally unacceptable	skut Island: (No (deep chute) sland: Center Right your watercraft :harocteristic.)	t and skill let	r Right r Right r Right vel for each of Acceptable	direction facin N/A (put in N/A (took ou the following Totally acceptable	ng downs below is ut above characte If unacc was Too	stream.) Iand) Island) Pristics. Septable, flow: Too
 Channel taken p Left Channel taken p Channel taken p Left (Rock Da Please evaluate (Circle one number) 	ast Peskeom Center Right (bast Rawson I m) this flow for ber for each of Totally unacceptable 2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable	t and skill lev	r Right r Right r Right vel for each of Acceptable 1	direction facin N/A (put in N/A (took ou the following Totally acceptable	ng downs below is ut above characte If unacc was Too	stream.) Iand) Island) Pristics. Septable, flow: Too
 Channel taken p Left □ C Channel taken p Left (Rock Da Please evaluate (Circle one num) Navigability Safety Ease of put-in Scrapes/bumps 	ast Peskeom Center Right (bast Rawson I m) this flow for ber for each o Totally unacceptable -2 -2 -2 -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1 -1 -1 -1	ote "left" & Fai The Fai the and skill leven Neutral 0 0 0 0 0	r Right r Right r Right vel for each of Acceptable 1 1 1 1 1 1 1 1	direction facin \square N/A (put in N/A (took of the following Totally acceptable 2 2 2 2 2	ng downs below is ut above characte If unacc was Too low	stream.) Iand) Island) Pristics. Septable, flow: Too

8	Difficulty			Location in Bypass
			C. A. Participant	
			E FEISING THE TANK	
9. Are you likely to re	turn for future bo	ating along this rea	ach at <u>this</u> flow? (Ci	heck one)
Definitely not	D Pos		Probably	Definitely yes
10 December 11 1 1				
10. Based on the Inter difficulty of the run	national Whitewa at this flow? (If a	ter Scale (defined	below), how would a range of classifi	d you rate the whitewate cations for <u>this</u> flow.)
This flow rates as C		, , , ,	, a range of clossifi	cardons for <u>ans</u> flow.)
11. What skill level do	you think a paddle	r needs to safely p	addle the bypass a	t <u>this</u> flow? (Check one)
Beginner	Novice	Intermediat	e 🛛 Advance	ed 🗖 Expert
12. Please provide any	additional comme	nts about <u>this</u> flow	/ below.	
nternational Whitewater Scale				
• · · · · · · · · · · · · · · · · · · ·				vith little training. Risk to swimmers
Class II – Straightforward ra but rocks and medium-sized is seldom needed.	ipids with wide, clear cha I waves are easily missed	nnels which are evident by trained paddlers. Swin	without scouting. Occasic mmers are seldom injured	onal maneuvering may be required, and group assistance, while helpful
easily avoided. Strong edd	ies and powerful curren	t effects can be found in	ten required; large waves	n open canoe. Complex maneuvers or strainers may be present but are ne rivers. Scouting is advisable for nce may be required to avoid long
Class IV – Intense, powerful river, it may feature large, un eddy turn may be needed to	but predictable rapids m navoidable waves and ho initiate maneuvers, scou me down. Risk of iniury t	equiring precise boat han les or constricted passage t rapids, or rest. Rapids m o swimmers is moderate	dling in turbulent water. es demanding fast maneux ay require "must" moves a	Depending on the character of the vers under pressure. A fast, reliable above dangerous hazards. Scouting
Class V – Extremely long, ob waves and holes or steep, of demanding a high level of fit	structed, or very violent congested chutes with congested chutes with congest. What eddies exist red. Scouting is recomme	rapids which expose a p omplex demanding route may be small, turbulent, ended but may be difficult	addler to added risk. Dro s. Rapids may continue or difficult to reach. At th	ps may contain large, unavoidable for long distances between pools, he high end of the scale, several of
rners Falls Hydroelectric I		2 of 2		Single Flow Evaluation Form

	Turne	Single Flov rs Falls Hydroel Boating Demo	lectric Proje	ct, FERC No. 18	389		
Date: 11/9/	2021						
Гіте: <u>12!3</u>	0-PM						
Name: <u>(</u> my	ad NUH	hmann					
		- manar					
 Please indicate 	which flow re		ey correspon		_		
☐ 500 cfs		670 cfs		☐ 900 cfs	🗋 Oth	ler	
		#2		_	_		
2. Did you load yo	ur boat with <code>g</code>	gear or other wo	eights for th	is run? 🏼 Ye	s 🔟 No		
		1					
3. Put-in location	for this run: 【	🗹 Put-In #1 (at	fish ladder)	🔲 Put-In #	2 (below Pesk	eomskut	Island)
					/		
I. Take-out locatio	on for this run	: 🛛 Take-Out	#1 (Station	No. 1) 🗳 Ta	ake-Out #2 (Ca	abot Woo	ods)
5. Channel taken j	past Peskeom	skut Island: (No	ote "left" &	gight" refer to	direction facin	ng downs	tream.)
4. Take-out locatio 5. Channel taken j Left 🔲		skut Island: (No	ote "left" &		direction facin	ng downs	tream.)
5. Channel taken Left 🛛	oast Peskeom Center Right (skut Island: (No (deep chute)	ote "left" &	gight" refer to	direction facin	ng downs	tream.)
5. Channel taken Left 🔲	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute) sland:	ote "left" & ' I Fai	r Right [direction facir	ng downs below is	tream.) land)
5. Channel taken Left 🔲	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute)	ote "left" & ' I Fai	r Right [direction facin	ng downs below is	tream.) land)
5. Channel taken (Left 5. Channel taken (Left (Rock Da	past Peskeom Center Right (past Rawson I am) ロ	skut Island: (No (deep chute) sland: Center Right	ote "left" & ' I Far Far Far	"øight" refer to r Right [r Right □	direction facin N/A (put in N/A (took ou	ng downs below is ut above	tream.) land) island)
 Channel taken (Left Left Channel taken (Left (Rock Data) Left (Rock Data) 	past Peskeom Center Right (past Rawson I am) = this flow for	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' I Far Far Far	"øight" refer to r Right [r Right □	direction facin N/A (put in N/A (took ou	ng downs below is ut above	tream.) land) island)
5. Channel taken Left 6. Channel taken Left (Rock Da	past Peskeom Center Right (past Rawson I am) = this flow for	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' I Far Far Far	"øight" refer to r Right [r Right □	direction facin N/A (put in N/A (took ou	ng downs below is ut above characte	tream.) land) island) ristics.
 Channel taken (Left Left Channel taken (Left (Rock Data) Left (Rock Data) 	past Peskeom Center Right (past Rawson I am) this flow for ber for each c	skut Island: (No (deep chute) sland: Center Right your watercraft	ete "left" & Far	r Right refer to	direction facin N/A (put in N/A (took ou	ng downs below is ut above characte If unacc	tream.) land) island) ristics.
 Channel taken (Left Left Channel taken (Left (Rock Data) Left (Rock Data) 	past Peskeom Center Right (past Rawson I am) = this flow for	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' I Far Far Far	"øight" refer to r Right [r Right □	direction facin N/A (put in N/A (took ou the following	ng downs below is ut above characte If unacc	tream.) land) island) ristics. eptable ,
 Channel taken (Left Left Channel taken (Left (Rock Data) Left (Rock Data) 	past Peskeom Center Right (past Rawson I am) this flow for ber for each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable -1	ete "left" & Far	r Right refer to	direction facin N/A (put in N/A (took ou the following Totally	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics. eptable, flow: Too
 Channel taken (Left Left Channel taken (Left (Rock Data) Left (Rock Data) Please evaluate (Circle one num) 	past Peskeom Center Right (past Rawson I am) this flow for ber for each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	t and skill lev	r Right refer to r Right r Right vel for each of Acceptable	direction facin N/A (put in N/A (took ou the following Totally acceptable 2 2	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics. eptable, flow: Too
 Channel taken (Left Channel taken (Left (Rock Data) Please evaluate (Circle one num) Navigability 	past Peskeom Center Right (past Rawson I am) this flow for ber for each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable -1	ete "left" & Fai T Fai t and skill let Neutral	r Right r Right r Right vel for each of Acceptable	direction facin N/A (put in N/A (took ou the following Totally acceptable 2	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics. eptable, flow: Too
 Channel taken (Left Left Channel taken (Left (Rock Data) Left (Rock Data) Please evaluate (Circle one num) Navigability Safety 	e this flow for ber for each c Totally unacceptable	skut Island: (No (deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	ete "left" & Fai Fai Fai t and skill lev Neutral 0 0	r Right refer to r Right r Right vel for each of Acceptable 1	direction facin N/A (put in N/A (took ou the following Totally acceptable 2 2	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics. eptable, flow: Too

	Difficulty		Loca	tion in Bypass
Srack	or Focks		Charles and the second s	Tsland Farby
9. Are you likely to ret	urn for future boat	ing along this reach a	at <u>this</u> flow? (Check	one)
Definitely not	🗆 Possi	bly 🗖	Probably	Definitely yes
10. Based on the Intern difficulty of the run a ∓his flow rates as Cla	at <u>this</u> flow? (If app	er Scale (defined belo propriate, provide a r	ow), how would yo ange of classificatio	u rate the whitewater ons for <u>this</u> flow.)
11. What skill level do yo	ou think a paddler	needs to safely padd	le the bypass at <u>thi</u>	<u>s</u> flow? (Check one)
Beginner	Novice	Intermediate	Advanced	Expert
International Whitewater Scale Class I – Fast moving water w	ith riffles and small waves	Few obstructions all obvio	us and oneily reises doubtly t	ttle training. Risk to swimmers
 Class II – Straightforward rap 	oids with wide, clear chan	nels which are evident with	out scouting Occasional r	ttle training. Risk to swimmers naneuvering may be required, group assistance, while helpful
easily avoided. Strong eddie	es and powerful current (or around ledges are often r effects can be found, partic	equired; large waves or sti ularly on large-volume riv	en canoe. Complex maneuvers rainers may be present but are ers. Scouting is advisable for nay be required to avoid long
eddy turn may be needed to it	nitiate maneuvers, scout r ne down. Risk of injury to	s or constricted passages de apids, or rest. Rapids may re swimmers is moderate to b	manding fast maneuvers u equire "must" moves above igh_and water conditions r	ending on the character of the nder pressure. A fast, reliable e dangerous hazards. Scouting may make self-rescue difficult. mmended.
 Class V – Extremely long, obs waves and holes or steep, co demanding a high level of fitr 	tructed, or very violent r ongested chutes with cor less. What eddies exist n ed. Scouting is recommen	apids which expose a paddl nplex demanding routes. F nay be small, turbulent, or d ided but may be difficult. Sw	er to added risk. Drops m apids may continue for lo ifficult to reach. At the hi dims are dangerous, and co	ay contain large, unavoidable ong distances between pools, gh end of the scale, several of
Turners Falls Hydroelectric P	roject (No. 1889)	2 of 2	Sing	le Flow Evaluation Form

Single Flow Evaluation Form Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study
Date: $\frac{11/9/21}{21}$
Name: Convert Alathmann
1. Please indicate which flow release this survey corresponds to (Check one)
□ 500 cfs □ 670 cfs □ 0ther:
 2. Did you load your boat with gear or other weights for this run? □ Yes ☑ No 3. Put-in location for this run: ☑ Put-In #1 (at fish ladder) □ Put-In #2 (below Peskeomskut Island)
 Take-out location for this run: Take-Out #1 (Station No. 1) Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction facing downstream.) □ Left □ Center Right (deep chute) □ Far Right □ N/A (put in below island)
6. Channel taken past Rawson Island: □ Left (Rock Dam) □ Center Right □ Far Right □ N/A (took out above island)

7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. *(Circle one number for each characteristic.)*

	Totally	Totally nacceptable	Neutral	Acceptable	Totally acceptable	If unacceptable was flow:	
	unacceptable					Too low	Too high
Navigability	-2	(1)	8	1	2		
Safety	-2	-1	(0)	5	2	11,15	
Ease of put-in	-2	-1	0	(1)	2	-	
Scrapes/bumps No. of times: 3	-2	-1	0	1	2		
Portages ¹ None No. of times:	-2	-1	0	1	2		

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

	Difficulty			Location in Bypass
			1947 - 1948 1949 - 1948	
9. Are you likely to	return for future bo	ating along this r	each at <u>this</u> flow? (<i>C</i>)	heck one)
Definitely no			Probably	Definitely yes
This flow rates a	s Class:	opropriate, provi	de a range of classifi	d you rate the whitewater cations for <u>this</u> flow.)
11. What skill level c	to you think a paddle	r needs to safely	paddle the bypass at	t <u>this</u> flow? (Check one)
🛛 Beginner	Novice	Intermedia	ate 🛛 Advance	ed 🛛 Expert
International Whitewater Sc	ale			
 Class I – Fast moving wa is slight; self-rescue is e 	ter with riffles and small wav asy.	es. Few obstructions, a	Il obvious and easily missed v	with little training. Risk to swimmers
Class II – Straightforwar	rd rapids with wide, clear ch	annels which are evide I by trained paddlers. S	nt without scouting. Occasio wimmers are seldom injured	onal maneuvering may be required, I and group assistance, while helpful
easily avoided. Strong	eddies and powerful curren	es or around ledges are it effects can be found	often required; large waves	in open canoe. Complex maneuvers or strainers may be present but are ne rivers. Scouting is advisable for nce may be required to avoid long
eddy turn may be neede may be necessary the fir	d to initiate maneuvers, scol	ples or constricted pass It rapids, or rest. Rapid. to swimmers is moder:	ages demanding fast maneuv s may require "must" moves a lite to high, and water condit	Depending on the character of the vers under pressure. A fast, reliable above dangerous hazards. Scouting ions may make self-rescue difficult.
 Class V – Extremely long waves and holes or stee demanding a high level these factors may be cor 	g, obstructed, or very violen ep, congested chutes with c of fitness. What eddies exis	t rapids which expose complex demanding ro t may be small, turbule ended but may be diffi	a paddler to added risk. Dro utes. Rapids may continue nt, or difficult to reach. At t	ops may contain large, unavoidable for long distances between pools, he high end of the scale, several of
Turners Falls Hydroelect	ric Project (No. 1889)	2 of 2		Single Flow Evaluation Form

Single Flow Evaluation Form Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study Date: Time: Name: Conval X/JJAMAAMA
1. Please indicate which flow release this survey corresponds to. (Check one) \Box 500 cfs \Box 670 cfs \Box 900 cfs \Box 0ther:
$\Box 500 \text{ cfs} \qquad \Box 670 \text{ cfs} \qquad \Box 900 \text{ cfs} \qquad \blacksquare 0 \text{ Other:} \underline{ \checkmark } \underline{ \land } $
2. Did you load your boat with gear or other weights for this run? 🔲 Yes 📴 No
3. Put-in location for this run: 🔯 Put-In #1 (at fish ladder) 🛛 Put-In #2 (below Peskeomskut Island)
4. Take-out location for this run: 🗹 Take-Out #1 (Station No. 1) 🛛 Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction facing downstream.)
□ Left □ Center Right (deep chute) □ Far Right □ N/A (put in below island)
6. Channel taken past Rawson Island: □ Left (Rock Dam) □ Center Right □ Far Right ☑ N/A (took out above island)
7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each characteristic.)

	Totally	Totally			Totally acceptable	If unacceptable, was flow:	
	unacceptable	Unacceptable	Neutral	Acceptable		Too Iow	Too high
Navigability	-2	(-1)	0	1	2	-	
Safety	-2	-1	0	1	2	Par. (Chi	
Ease of put-in	-2	-1	Co		2		
Scrapes/bumps No. of times:	-2	-1	0	1	2		
Portages ¹ NoWC No. of times:	-2	-1	0	1	2		

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

	Difficulty	N-0.1	Loc	ation in Bypass
Zarosza i tereszte				
		1		
9. Are you likely t	o return for future be	oating along this rea	ch at <u>this</u> flow? (Chec	skione)
🗖 Definitely i	not 🖾 Po	ossibly	Probably	Definitely yes
10. Based on the H difficulty of the	nternational Whitewa e run at <u>this</u> flow? (<i>If d</i>	ater Scale (defined l appropriate, provide	below), how would y a range of clossificat	ou rate the whitewater ions for <u>this</u> flow.)
This flow rates	as Class: <u>2</u>	÷		
11. What skill level	do you think a paddl	er needs to safely pa	addle the bypass at <u>th</u>	nis flow? (Check one)
🗖 Beginner	D Novice	Intermediate	e 🛛 Advanced	Expert
12. Please provide	any additional comm	ents about this flow	below.	
	Jill is h			
International Whitewater S	Scale			
 Class I – Fast moving v is slight; self-rescue is 	/ater with riffles and small wa easy.	aves. Few obstructions, all o	bvious and easily missed with	little training. Risk to swimmers
 Class II – Straightforw but rocks and medium is seldom needed. 	ard rapids with wide, clear c -sized waves are easily misse	hannels which are evident ved by trained paddlers. Swir	without scouting. Occasiona nmers are seldom injured and	l maneuvering may be required, d group assistance, while helpful
easily avoided. Stron	g eddies and powerful curre	ges or around ledges are oft ent effects can be found in:	en required; large waves or s	pen canoe. Complex maneuvers strainers may be present but are ivers. Scouting is advisable for may be required to avoid long
inter, it may reacure la	werful but predictable rapids rge, unavoidable waves and h	noles or constricted passage	dling in turbulent water. De s demanding fast maneuvers	pending on the character of the sunder pressure. A fast, reliable

- river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult. Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	7	Single Flov ers Falls Hydroel Boating Demo	ectric Proje	ct, FERC No. 18	389			
Date: <u>11/9</u> Time: <u>11:15</u>	AM							
Name: Jack	6111							
1. Please indicate	e which flow re	elease this surve	y correspor	nds to. (Check a	one)			
500 cfs		🛛 670 cfs		🛛 900 cfs	🗋 Ot	her:		
 Did you load y But-in location 	our boat with (for this run:	gear or other we	fish ladder)) D Put-In #	2 (below Pes	Sm -) N keomskut	Day bag La that t Island)	, Wo
 Take-out location Channel taken Left Channel taken Left (Rock 1 Please evaluat 	on for this run gast Peskeom Center Right past Rawson I am)	iskut Island: <i>(No</i> (deep chute) sland: Center Right your watercraft	te left"& ′ □ Fa ☑ Fa	"right" refer to r Right [r Right [□ N/A (put ir] N/A (took o	ng downs 1 below is ut above	str. am.) iland) island)	
 Take-out location Channel taken Left Channel taken Left (Rock 1 Please evaluat 	on for this run gast Peskeom Center Right past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right	te left"& ′ □ Fa ☑ Fa	"right" refer to r Right [r Right [direction faci N/A (put ir N/A (took o the following	ng downs n below is ut above characte	str. om.) sland) island) eristics.	
 Take-out location Channel taken Left Channel taken Left (Rock 1 Please evaluat 	on for this run gast Peskeom Center Right past Rawson I am)	iskut Island: <i>(No</i> (deep chute) sland: Center Right your watercraft	te left"& ′ □ Fa ☑ Fa	"right" refer to r Right [r Right [direction faci □ N/A (put ir] N/A (took o	ng downs n below is ut above characte	str. om.) iland) island) eristics.	
 Take-out location Channel taken Left Channel taken Left (Rock 1 Please evaluat 	on for this run gast Peskeom Center Right past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right your watercraft	te left" & ' Fa Fa	"right" refer to r Right [r Right [vel for each of	direction faci N/A (put ir N/A (took o the following Totally acceptable	ng downs n below is ut above characte lf unacce was Too low	str. Jm.) sland) island) eristics. eeptable, flow:	
 Take-out location Channel taken Left Channel taken Left (Rock 1 Please evaluat 	on for this run gast Peskeom Center Right past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right your watercraft	te left" & ' Fa Fa and skill lev Neutral	"right" refer to r Right [r Right [vel for each of	direction faci	ng downs n below is ut above characte If unacc was <i>Too</i>	str. Jin.) sland) island) eristics. eeptable, flow: Too	
 4. Take-out locat 5. Channel taken 1 Left 6. Channel taken 1 Left (Rock 1) 7. Please evaluat (Croc crement) 	on for this run past Peskeom Center Right past Rawson I pam)	iskut Island: (No (deep chute) sland: Center Right your watercraft	te left" & ' Fa Fa and skill lev	"right" refer to r Right r Right vel for each of Acceptable	direction faci N/A (put ir N/A (took o the following Totally acceptable	ng downs n below is ut above characte lf unacce was Too low	str. Jin.) sland) island) eristics. eeptable, flow: Too	
 4. Take-out location 5. Channel taken 1. Left 6. Channel taken 1. Left (Rock E 7. Please evaluation 7. Please evaluation 7. Please evaluation 7. Please evaluation 8. Channel taken 9. Navigability 	on for this run gast Peskeom Center Right past Rawson I ham)	iskut Island: (No (deep chute) sland: Center Right your watercraft	te left" & ' Fa Fa and skill lev Neutral	"right" refer to r Right [r Right [vel for each of Acceptable 1	direction faci	ng downs n below is ut above characte lf unacce was Too low	str. Jin.) sland) island) eristics. eeptable, flow: Too	
 4. Take-out location 5. Channel taken 1 Left 6. Channel taken 1 Left (Rock 1 7. Please evaluation 7. Please evaluation 8. Constant of the second se	on for this run gast Peskeom Center Right past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right your watercraft cr : racteristic.) Unacceptable	te left" & ' Fai Trainer Fai and skill ler Neutral	"right" refer to r Right [r Right [vel for each of Acceptable 1 1	direction faci N/A (put in N/A (took o the following Totally acceptable 2 2	ng downs n below is ut above characte lf unacce was Too low	str. Jin.) sland) island) eristics. eeptable, flow: Too	
 4. Take-out location 5. Channel taken i.eft 6. Channel taken i.eft (Rock I 6. Left (Rock I 7. Please evaluat (Creation of the taken) Navigability Safety Ease of put-in Scrapes/bumps 	on for this run gast Peskeom Center Right past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right your watercraft cr : racteristic.) Unacceptable	te left" & ' Fai Fai and skill let Neutral	"right" refer to r Right [r Right [vel for each of Acceptable 1 1 1	direction faci N/A (put in N/A (took o the following Totally acceptable 2 2 2	ng downs n below is ut above characte lf unacce was Too low	str. Jin.) sland) island) eristics. eeptable, flow: Too	

	Difficulty		Location	n in Bypass	
Got compl	-toly stopped	2 once Ce	nter Rt,	channel at	Peskeon.
					I S Morth
					-
	turn for future boating alor	ig this reach at <u>this</u> flor	w? (Check 🖃		
Definitely not	Possibly	Probably	1	Definitely yes	
10. Based on the Interi difficulty of the run This flow rates as Cl	national Whitewater Scale at <u>this</u> flow? (If appropriat lass:	(defined below), how e, provide a range of c	would you a lassification	nte the whitewate	r
11: Jihat skill level do y	ou think a paddler needs t	o safely paddle the by	pass at <u>this</u> f	cw? Carros	
🔲 Beginner	Novice 🛛 Int	ermediate 🔲 Ad	lvanced	Expert	
nternational Whitewater Scale Use (~ Fast moving water v - slight: self-rescue is easy	with riffles and small waves. Few obst	ructions, all obvious and easily	missed with little	Gining. Risk to swimmer	s
Class II – Straightforward ra out rocks and medium-sized dom nee eeu	pids with wide, clear channels which I waves are easily missed by trained p	are evident without scouting. addlers. Swimmers are seldon	Occasional man	euvering may be required classistance, while helpfu	, I
easily avoided. Strong edd	rate, irregular waves which may be di t control in tight passages or around ies and powerful current effects car ries while swimming are rare; self-re	ledges are often required, larg	e waves or strain	may be present but are	2
eady turn may be needed to may be necessary the first ti	but predictable rapids requiring pre navoidable waves and holes or constr initiate maneuvers, scout rapids, or r me down. Risk of injury to swimmer is often essential but requires practic	ricted passages demanding fast est. Rapids may require "must" s is moderate to high, and wate	t maneuvers unde " moves above da ar conditions may	er pressure - A fast, reliable ngerous hazards. Scouting make solf rescue	2
Class V – Extremely long, ob eves and holes or steep, o bemanding a high level of fit ese factors may be combin	ostructed, or very violent rapids which congested chutes with complex dem cness. What eddies exist may be small red. Scouting is recommended but m mo roll, proper equipment, extensive	th expose a paddler to added r nanding routes. Rapids may c all, turbulent, or difficult to rea nay be difficult. Swims are dang	risk. Drops may o continue for long ach. At the high a gerous, and resc.	contain large, Unavoidable Eistances between pools, and of the scale, several of	

8
Single Flow Evaluation Form
Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study
Date: $1\sqrt{9/21}$
Time: 12:30 PM
Name: Jack Gill
12nd Flow
1. Please indicate which flow release this survey corresponds to. (Check one)
□ 500 cfs □ 500 cfs □ Other:
#2
2. Did you load your boat with gear or other weights for this run? I Yes INO Just a day thip
3. Put-in location for this run: 🗹 Put-In #1 (at fish ladder) 🛛 🗖 Put-In #2 (below Peskeomskut Island)
4. Take-out location for this run: 🗖 Take-Out #1 (Station No. 1) 🛛 🗹 Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction facing downstream.)
Left 🗹 Center Right (deep chute) L Far Right L N/A (put in below island)
6. Channel taken past Rawson Island:
Left (Rock Dam) Center Right Far Right N/A (took out above island)
Left (Rock Dam) Li Center Right Li Far Right Li M/A (took out above Island)
7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics.
7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each characteristic.)

	Totally				Totally	If unacceptable was flow:	
	unacceptable	Unacceptable	Neutral	Acceptable	acceptable	Too low	Too high
Navigability	-2	(-1)	0	1	2	V	
Safety	-2	-1	\bigcirc	1	2		
Ease of put-in	-2	-1	G	1	2		
Scrapes/bumps No. of times: 9	-2	-1	0	1	2	1	
Portages ¹ No. of times:	-2	-1	0	1	2		

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

Difficulty	183	, ·		
And Ct and Cartac Rd	0 1 + 0		Bypass - Pushed off. the Vite the	
One Stop at center Rt.	channel an res	r keow. Is land	- Pushed off. The	rock
			With the	peich
			0	100
	I		and the formation of the second	
9. Are you likely to return for future boati	ng along this reach at <u>this</u>	flow? (Check one)		
Definitely not Definitely not Definitely not	ly 🛛 Proba	bly 🗌 De	efinitely yes	
 10. Based on the International Whitewate difficulty of the run at <u>this</u> flow? (If app This flow rates as Class:	• Scale (defined below), h a ropriate, provide a range c	ow would you rate of classifications for	the whitewater <u>this</u> fiow_)	
11. What skill level do you think a paddler r	eeds to safely paddle the	bypass at <u>this</u> flow?	(Checkone)	
	Intermediate	Advanced L	Expert	
12. Please provide any additional comment	about this flow holes.			
There really warn	+ any diffe	rence from	, 500 fr.	
One on two less s	manes the 5	zoch hit	this mublit	
There really wasn One or two less so have been an effect.	of learning th	ie channel	i ci- magni	
International Whitewater Scale Uass ! - Fast moving water with riffles and small waves	Few obstructions all obvious and the			
 Class I – Fast moving water with riffles and small waves. a slight; self-rescue is easy. 				
 Class II – Straightforward rapids with wide, clear chann but rocks and medium-sized waves are easily missed by a seidom needed. 	els which are evident without scout trained paddlers. Swimmers are sel	ing. Occasional maneuveri dom injured and group assi.	ing may be required, stance, while helpful	
 Class III – Rapids with moderate, irregular waves which in fast current and good boat control in tight passages on easily avoided. Strong eddies and powerful current e inexperienced parties. Injuries while swimming are ra- owims. 	r around ledges are often required; fects can be found, particularly on	large waves or strainers ma	ay be present but are	
 Ciass IV – Intense, powerful but predictable rapids requiriver, it may feature large, unavoidable waves and holes eddy turn may be needed to initiate maneuvers, scout raimay be necessary the first time down. Risk of injury to sGroup assistance for rescue is often essential but requiries. 	or constructed passages demanding pids, or rest. Rapids may require "m wimmers is moderate to high, and y	fast maneuvers under press nust" moves above dangerou water conditions may make	sure. A fast, reliable us hazards. Scouting	

Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

Single Flow Evaluation Form Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study
Date: 11/9
Time:
Name: Jack Gill
The 3rd Flow
1. Please indicate which flow release this survey corresponds to (Chick one) □ 500 cfs □ 670 cfs □ 900 cfs □ Other:
2. Did you load your boat with gear or other weights for this run? I Yes No A day true load
3. Put-in location for this run: 🗹 Put-In #1 (at fish ladder) 🛛 D Put-In #2 (below Peskeomskut Island)
4. Take-out location for this run: 🔲 Take-Out #1 (Station No. 1) 🛛 Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction facing downstream.)
6. Channel taken past Rawson Island: ☑ Left (Rock Dam) □ Center Right □ Far Right □ N/A (took out above island)
7 Please evaluate this flow for your watercraft and skill level for each of the following characteristics.

7. Please evaluate this flow for your watercraft and skill level for each of the following characteristic.)

	Totally				Totally	If unacceptable was flow:	
	unacceptable	Unacceptable	Neutral	Acceptable	acceptable	Too iow	Too high
Navigability	-2	-1	6	1	2		
Safety	-2	-1	0	1	2	lin o est	1112 ⁴⁴
Ease of put-in	-2	-1	0	1	2		
Scrapes/bumps No. of times: 3	-2	-1	0	1	2	123	
Portages ¹ No. of times:	-2	-1	0	1	2		

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

Turners Falls Hydroelectric Project (No. 1889)

Single Flow Evaluation Form

£

	Difficulty	L	ocation in Bypass
This flow was	better. N	o significant le 1st is	issues. Just R
few bumps	around th	le 1st is	land
V			
9. Are you likely to return fo	r future, boating along t	his reach at <u>this</u> flow? (Ch	eckor
Definitely not	Possibly	Probably	Definitely yes
10. Based on the International difficulty of the run at <u>this</u> . This flow rates as Class:	flow? (If appropriate, p	efined below), how would provide a range of classific	you rate the whitewater ations for <u>this</u> flow.J
11. What skill level do you thin	nk a paddler needs to sa	afely paddle the bypass at	<u>this</u> flow? (Check one)
🗌 Beginner 🔤 🗹	Novice 🗖 Intern	nediate 🔲 Advanced	Expert
12. Please provide any additio	nal comments about <u>th</u>	<u>is</u> flow below.	
International Whitewater Scale			
 Class I — Fast moving water with riffles clight; self-rescue is easy. 	and small waves. Few obstruct	ions, all obvious and easily missed wi	ith little training. Risk to swimmers
 Class II – Straightforward rapids with out rocks and medium-sized waves an specific meeded. 	wide, clear channels which are e easily missed by trained padd	evident without scouting. Occasion lers. Swimmers are seldom injured a	nal maneuvering may be required, and group assistance, while helpful
 Class III – Rapids with moderate, irreg rest current and good boat control restily avoided. Strong eddies and p inexperienced parties. Injuries while twims. 	owerful current effects can be	es are often required; large waves o found particularly on large volume	ir strainers may be present but are
 Class IV – Intense, powerful but pred river, it may feature large, unavoidabl eddy turn may be needed to initiate m may be necessary the first time down Group assistance for rescue is often e 	aneuvers and notes of constructed aneuvers, scout rapids, or rest. . Risk of injury to swimmers is n ssential but requires practiced s	d passages demanding fast maneuve Rapids may require "must" moves al noderate to high, and water conditic kills. A strong eskimo roll is highly r	ers under pressure. A fast, reliable bove dangerous hazards. Scouting ons may make self-rescue difficult. ecommended.
 Class V – Extremely long, obstructed, waves and holes or steep, congestee demanding a high level of fitness. Wi these factors may be combined. Scou experts. A very reliable eskimo roll, pressure of the statement of	or very violent rapids which ex chutes with complex demand nat eddies exist may be small, to ting is recommended but may be	pose a paddler to added risk. Drop ing routes. Rapids may continue fo urbulent, or difficult to reach. At the e difficult. Swims are depertue	os may contain large, unavoidable or long distances between pools, e high end of the scale, several of

		Turners Falls Hydroeled	Evaluation Form stric Project, FERC N stration Flow Study	o. 1889
Dat	te: 11/9/21			
Tim	ne: 3:30 PM			
	me: Jack	Gill		
Nai				
1.	Please indicate which	flow release this survey	corresponds to. (Ch	eckone) / 4th Mow
	500 cfs	670 cfs	🗖 900 c	fs 🖸 Other:
2.	Did you load your boa	t with gear or other wei	ghts for this run? [I Yes INO Tust a day trip
3.				t-In #2 (below Peskeomskut Island)
4.	Take-out location for	this run: 🗹 Take-Out #2	1 (Station No. 1)	Take-Out #2 (Cabot Wood s)
5.	Channel taken past Pe	eskeomskut Island: (Note	e "left" & "right" refe	er to direction facing downstream.)
		· Right (deep chute)		□ N/A (put in below island)
6.	Channei taken past Ra			
	Left (Rock Dam)	Center Right	🗖 Far Right	☑ N/A (took out above island)
7.	Please evaluate this fl Circle one number fo		nd skill level for eac	th of the following characteristics.

	Totally unacceptable				Totally acceptable	If unacceptable was flow:	
		Unacceptable	Neutral	Acceptable		Too low/	Too high
Navigability	-2	(-1)	0	1	2		
Safety	-2	-1	0	1	2		
Ease of put-in	-2	-1	0	1	2	-1-	
Scrapes/bumps No. of times:	-2	(-1)	0	1	2	/	
Portages ¹ No. of times: \oint	-2	-1	0	1	2		

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

	culty	Lo	cation in Bypass
Experienced one stop around Peskeom. and I had to push get free.	(also 6 scrapes) Island. 7 off the bot	in the cente. The stop tor tom with my	rt channel ined me sideways y paddle to
9. Are you likely to return for fut	ture boating along this	reach at this flow? (Che	
Definitely not	Possibly	Probably	Definitely yes
10. Based on the International W difficulty of the run at <u>this</u> flow This flow rates as Class:	N? (If appropriate, prov <u>minu</u> ع	vide a range of clossifica	itions for <u>this</u> flow.}
11. What skill level do you think a	paddler needs to safe	y paddle the bypass at <u>t</u>	this flow? (Check one)
🖸 Beginner 🛛 🗹 Novi	ice 🛛 Intermed	liate 🛛 Advanced	Expert
Interrusional Whitewater Scale			
 Class ! - Fast moving water with riffles and s slight; self-rescue is easy. 	small waves. Few obstructions,	all obvious and easily missed wit	h little training. Risk to swimmers
 Class II – Straightforward rapids with wide but rocks and medium-sized waves are eas s seldom needed. 	e, clear channels which are evic ily missed by trained paddlers.	lent without scouting. Occasiona Swimmers are seldom injured ar	al maneuvering may be required, nd group assistance, while helpful
 Class III – Rapids with moderate, irregular t first current and good boat control in tig easily avoided. Strong eddies and power inexperienced parties. Injuries while swin twins. 	ful current effects can be four	re often required; large waves or ad narticularly on large walves	strainers may be present but are
 Class IV – Intense, powerful but predictabl river, it may feature large, unavoidable way eddy turn may be needed to initiate maneu may be necessary the first time down. Risk Group assistance for rescue is often essent 	vers, scout rapids, or rest. Rapi of injury to swimmers is mode	ssages demanding fast maneuver ds may require "must" moves about the state of the second test second the second test second	's under pressure. A fast, reliable ove dangerous hazards. Scouting
 Class V – Extremely long, obstructed, or very waves and holes or steep, congested churd demanding a high level of fitness. What ex these factors may be combined. Scouting is experts. A very reliable eskimo roll, proper 	ery violent rapids which expose tes with complex demanding r ddies exist may be small, turbu s recommended but may be dif	e a paddler to added risk. Drops outes. Rapids may continue fo lent, or difficult to reach. At the ficult Swims are dangerous, app	may contain large, unavoidable r long distances between pools, high and of the scale, several of

	Turne	Single Flow ers Falls Hydroe Boating Deme	lectric Proje	ct, FERC No. 18	89		
Date:	2/						
Time: 11:30							
Name Deb	ro Weis	Pastein					
Name:	TO VVCTS						
1. Please indicate	e which flow re	lease this surve	ey correspor	nds to. (Check d	one)		
		🔲 670 cfs				ner:	
(
2. Did you load y	our boat with s	gear or other w	eights for th	is run? 🛛 Ye	s 🖾 No		
		/	0		a.		
3. Put-in location	for this run.	Put In #1 (at	fich ladder)	Put-In #	2 (below Pes	keomskut	t Island)
3. Put-in location	for this run. 1	1 Pul-III #1 (al	nsii lauuei j		2 (Delott 1 co.		,
					1 0 1 112 (0	+ 16/	
4. Take-out locar	ion f <mark>or this run</mark>	n: 🔲 Take-Out	#1 (Station	No. 1) 🗹 Ta	ke-Out #2 (C	abot Woo	ods)
	past Peskeom	skut Island: (No	ote "left" &	"right" refer to	direction faci	ng downs	itrenni)
5. Channel taken	past Peskeom	skut Island: (No	ote "left" &	"right" refer to	direction faci	ng downs	itrenni)
5. Channel taken	past Peskeom Center Right (skut Island: (No (deep chute)	ote "left" & □ Fa	"right" refer to r Right [direction faci ☐ N/A (put ir	<i>ng downs</i> I below is	(ream.) land)
5. Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute) sland:	ote "left" & □ Fa	"right" refer to r Right [direction faci ☐ N/A (put ir	<i>ng downs</i> I below is	(ream.) land)
5. Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute) sland:	ote "left" & □ Fa	"right" refer to	direction faci ☐ N/A (put ir	<i>ng downs</i> I below is	(ream.) land)
 5. Channel taken Left V 6. Channel taken Left (Rock 0) 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right	ote "left" & □ Fa ☑ Fa	"right" refer to r Right [r Right [direction focu] N/A (put ir N/A (took o	ng downs i below is ut above	itream.) iland) island)
 Channel taken Left Channel taken Left (Rock 0 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraf	ote "left" & □ Fa ☑ Fa	"right" refer to r Right [r Right [direction focu] N/A (put ir N/A (took o	ng downs i below is ut above	itream.) iland) island)
 5. Channel taken Left V 6. Channel taken Left (Rock 0) 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraf	ote "left" & □ Fa ☑ Fa	"right" refer to r Right [r Right [direction focu] N/A (put ir N/A (took o	ng downs i below is ut above characte	itream.) iland) island)
 Channel taken Left Channel taken Left (Rock 0 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	t and skill le	"right" refer to r Right [r Right [vel for each of	direction focu N/A (put in N/A (took o the following Totaliy	ng downs below is ut above characte If unaco was	itream.) iand) island) eristics. reptable, flow:
 Channel taken Left Channel taken Left (Rock 0 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraf	ote "left" & □ Fa ☑ Fa	"right" refer to r Right [r Right [direction factor N/A (put in N/A (took o the following	ng downs below is ut above characte lf unacc was Too	island) eristics. eptable, flow: 700
 5. Channel taken Channel taken Channel taken Left (Rock 0) 7. Please evaluat Circle one number of the second second	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft theracteristic.)	t and skill le	r Right refer to r Right r Right vel for each of	direction focu] N/A (put ir N/A (took o the following Totally acceptable	ng downs below is ut above characte If unaco was	itream.) iand) island) eristics. reptable, flow:
 Channel taken Left Channel taken Left (Rock 0) Left (Rock 0) Please evaluat (Circle one number) Navigability 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft Haracteristic.) Unacceptable -1	t and skill le	"right" refer to r Right [r Right [vel for each of	direction focu N/A (put in N/A (took o the following Totaliy	ng downs below is ut above characte lf unacc was Too	island) eristics. eptable, flow: 700
 5. Channel taken Channel taken Channel taken Left (Rock 0) 7. Please evaluat Circle one number of the second second	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft theracteristic.)	t and skill le	"right" refer to r Right I r Right Vel for each of Acceptable	direction focu N/A (put in N/A (took o the following Totally acceptable 2	ng downs below is ut above characte lf unacc was Too	island) eristics. eptable, flow: 700
 5. Channel taken Left Channel taken Channel taken Left (Rock 0) 7. Please evaluat (Circle one number) Navigability Safety Ease of put-in 	past Peskeom Center Right (past Rawson I am) e this flow for ther for each of Totally unacceptable -2 -2 -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft tranacteristic.) Unacceptable -1 -1 -1	t and skill le	"right" refer to r Right I r Right Vel for each of Acceptable	direction focu N/A (put in N/A (took o the following Totally acceptable 2 2 2 2	ng downs below is ut above characte lf unacc was Too	island) eristics. eptable, flow: 700
 5. Channel taken Channel taken Channel taken Left (Rock 0) 7. Please evaluat Circle one number of the second second	past Peskeom Center Right (past Rawson I am) e this flow for the for each of Totally unacceptable -2 -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft roracteristic.) Unacceptable -1 -1	t and skill le	"right" refer to r Right I r Right Vel for each of Acceptable	direction focu N/A (put in N/A (took o the following Totally acceptable 2 2	ng downs below is ut above characte lf unacc was Too	island) eristics. eptable, flow: 700
 5. Channel taken Cleft Channel taken Channel taken Left (Rock 0) 7. Please evaluat (Circle one number) Navigability Safety Ease of put-in Scrapes/bumps 	past Peskeom Center Right (past Rawson I am) e this flow for ber for each of Totally unacceptable -2 -2 -2 -2 -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft tharacteristic.) Unacceptable -1 -1 -1 -1 -1 -1	t and skill le	r Right refer to r Right refer to r Right vel for each of Acceptable	direction focu N/A (put in N/A (took o the following Totaliy acceptable 2 2 2 2 2 2 2 2	ng downs below is ut above characte If unacc was Too iow	island) eristics. eptable, flow: 700

8.	Did you experience any difficulties during your run at this flow (e.g., stuck of	on obstacles, had to
	portage, etc. F Provide a brief description and location of any difficulty.	None

	Difficulty			Location in Bypass				
				44			11	
	are the							
-								
9. Are you like	ly to return fo	r future boa	ting along th	is reach at	this flow? (Ch	eck		
🗍 Definite		D Poss		_/	robably		Definitely yes	
10. Based on th	e Internationa	al Whitewat	er Scale (def	ined belov	w), how would	you cate	e the whitewater	
	tes as Class:		propriate, pr	ovide a rai	nge of classific	atio	t <u>this j</u> row _a l	
IS ROWIG								
11. ahatskiilie	vel do you thi	nk a paddler	• needs to saf	ely paddle	e the bypass at	this flow	? 1 mot mar	
		1						
🗌 Beginne		Novice	🛛 Interme	ediate	Advanced	k	🔲 Expert	
Interrutional Whitewa	ter Scale							
 Class ! – Fast mov clight: self-resc 	ing water with riffle Le is basy	s and small wave	s. Few obstruction	ns, all obvious	and easily missed w	ith little arai	ning. Risk to swimmers	
 Crass II – Straight but rocks and me udom needed 	unin-sized waves a	n wide, clear cha re easily missed I	nnels which are e by trained paddler	vident withou rs. Swimmers	t scouting. Occasio are seldom injured a	nal maneuve and group as	ering may be required, ssistance_while helpful	
easily avoided.	trong eddies and p	owerful current	s or around ledges effects can be fo	s are often req ound, particula	uired; arge waves o arly on large-volum	or straid insin e rivers - So	Complex maneuvers may be present out are outing is advisable for required to avoid long	
eddy turn may be may be necessary	re large, unavoidab needed to initiate n the first time dowr	le waves and hol naneuvers, scout 1. Risk of injury t	les or constricted p rapids, or rest. Ra o swimmers is mo	passages dema apids may requ oderate to high	anding fast maneuv uire "must" moves a	ers under pr bove danger ons may mal	on the character of the essure. A fast, reliable rous hazards. Scouting ke self-rescue difficult. ed.	
 Class V – Extreme waves and holes bemanding a high 	ly long, obstructed	, or very violent	rapids which expo	ose a naddler	to added risk Drou	ns may toat	ain largo, unaveidable	

Turne	Single Flow ers Falls Hydroel Boating Demo	ectric Projec	t, FERC No. 18	89	
Date: 11/9/2021					
Time: 12:50					
Name: Debra Weiser	istein				
4 Di mindia di secondi del del come	laces this surge	w.corrochon	de to (Check o	nel	
1. Please indicate which flow re		y correspon	900 cfs	D Ot	her:
500 cfs	670 cfs		- 900 cis		
	#"2			F	
2. Did you load your boat with	gear or other we	eights for th	is run? 🖵 Yes	No No	
3. Put-in location for this run:	Put-In #1 (at	fish ladder)	D Put-In #	2 (below Pes	keomskut Island)
4. Take-out location for this rur	a: 🗍 Take-Out	#1 (Station I	No. 1) 🔲 Ta	ke-Out #2 (C	Cabot Woods)
5. Channel taken past Peskeom	skut Island: (No	nte "left" & "	right" refer to	direction faci	ng downstream.)
Left Center Right					
	(deeb chure)		MBII -		
6. Channel taken past Rawson I	sland.				
		E Fai	Pight 🗖	N/A (took o	out above island)
Left (Rock Dam)	Center Right			NYA (LUUK U	at above istenuy
7. Please evaluate this flow for		t and skill lev	vel for each of	the following	characteristics.
				Tetelle	If unacceptable, was flow:
Totally	Unacceptable	Neutral	Acceptable	Totally	Tag Tag

	lotally			TOLONY	1000 110 111		
	unacceptable	Unacceptable	Neutral	Acceptable	acceptable	Too low	T oo tigh
Navigability	-2	=1	0	1	2		(
Safety	-2	-1	0		2	1000	
Ease of put-in	-2	-1	0		2		
Scrapes/bumps	-2	-1	0	1	2		
Portages ¹ No. of times:	-2	-1	0	1	2		

¹Include any instances where you needed to get out of your boot and carry/drag the boat over or around an obstacle.

8.	Did you experience any difficulties during your run at this flow (e.g., stuck on obstacles, had to
	portage, etc. J? Provide a brief description and location of any difficulty.

	Difficulty		Loca	ition in Bypass	
	Stuck Once		R. Cente	er of top isla	N
5	croped 7 tim	es	Mostly	er of top islow	51-
	eturn for future boating al	ong this reach at <u>thi</u>	is flow? (Checi	(<i>b</i> P	
Definitely not	Possibly	🗖 Prob	bably	L Definitely yes	
Based on the Inter	rnational Whitewater Scal	le (defined below),	how would ye	au rate the whitewater	
This flow rates as (n at <u>this</u> flow? (If approprie	ate, provide a range	, clossificati	t this is a little to the second s	
13 11017 16163 63 (-Idoo		τ.		
lihat skill level do	you think a paddler needs	to safely paddle th	e bypass at <u>th</u>	is filw? Hite in Mc/	
Beginner		ntermediate			
	1990au - 1993				
rr ational Whitewater Scals		betruci nos ollobriones e			
ignit sen-tescrie is less/					
Class !! - Straightforward out rocks and medium-size Class dom needed	rapids with wide, clear channels wh ed waves are easily missed by trained	ich are evident without sco d paddlers. Swimmers are s	outing. Occasional seldom injured and	mand overing may be required, group assistance, while helpful	
est current and good of estily avoided. Strong ed	erate, irregular waves which may be bat control in tight passages or arour dies and powerful current effects o uries while swimming are rare; self	nd ledges are often require can be found, particularly	of large waves or st	rain is may be present but are	
eddy turn may be needed t may be necessary the first	Il but predictable rapids requiring p unavoidable waves and holes or con o initiate maneuvers, scout rapids, o time down. Risk of injury to swimm e is often essential but requires prac	nstricted passages demandi or rest. Rapids may require ' ners is moderate to high, an	ng fast maneuvers "must" moves abov d water conditions	under pressure. A fast, reliable re dangerous hazards, Scouting may make self-rescue difficult	
Class V – Extremely long, or shaves and holes or steep, demanding a high level of these factors may be comb	obstructed, or very violent rapids w congested chutes with complex d fitness. What eddies exist may be s ined. Scouting is recommended but kimo roll, proper equipment, extens	hich expose a paddler to a emanding routes. Rapids small, turbulent, or difficult t may be difficult. Swims ar	dded risk. Drops r may continue for to reach. At the h	nav contain large, unavoidable ong distances between pools, igh end of the scale, several of escless often difficult aven for	

	Turne	Single Flow rs Falls Hydroel Boating Demo	ectric Proje	ct, FERC No. 18	89		
Date: $\frac{1}{7}$	202						
ime: 2:4	5						
	1.1.	l.					
lame: Deb	We's ser	Istein					
. Please indicate	which flow re	lease this surve	y correspon	ds tg. (Check c	one)		
500 cfs		🖾 670 cfs		900 cfs		ner:	
		2010 CT C		#3			
	1		oighto for th				
2. Did you load yo	our boat with g	gear or other we	eignts for th		-A NO		
		1		_			
B. Put-in location	for this run:	🛛 Put-In #1 (at	fish ladder)	📙 Put-In #	2 (below Pes	eomskut	: Island)
				~			
I. Take-out locat	ion for this run	: 🔲 Take-Out	#1 (Station	No. 1) 🔽 Ta	ake-Out #2 (C	abot Woo	ods)
I. Take-out locat	ion for this run	: 🗋 Take-Out	#1 (Station	No. 1) 🔽 Ta	ake-Out #2 (C	abot Woo	ods)
5. Channel taken	past Peskeom	skut Island: (No	te "left" & '	'right" refer to	direction faci	ng downs	itream.)
5. Channel taken	past Peskeom		te "left" & '	'right" refer to		ng downs	itream.)
5. Channel taken	past Peskeom	skut Island: (No	te "left" & '	'right" refer to	direction faci	ng downs	itream.)
5. Channel taken	past Peskeom	skut Island: (No (deep chute)	te "left" & '	'right" refer to	direction faci	ng downs	itream.)
5. Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute) sland:	te "left" & '	'right" refer to r Right [direction facin	ng downs below is	itream.) land)
5. Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute)	te "left" & '	'right" refer to r Right [direction faci	ng downs below is	itream.) land)
5. Channel taken Left 🖗 5. Channel taken Left (Rock D	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right	nte ″left" & ′ □ Fa ⊡ Fa	'right" refer to r Right [r Right □	direction facin N/A (put in N/A (took of	ng downs below is ut above	itream.) land) island)
 Channel taken Left Channel taken Left (Rock D Please evaluat 	past Peskeom enter Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	nte ″left" & ′ □ Fa ⊡ Fa	'right" refer to r Right [r Right □	direction facin N/A (put in N/A (took of	ng downs below is ut above	itream.) land) island)
 Channel taken Left Channel taken Left (Rock D Please evaluat 	past Peskeom enter Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right	nte ″left" & ′ □ Fa ⊡ Fa	'right" refer to r Right [r Right □	direction facin N/A (put in N/A (took of	ng downs below is ut above characte	itream.) land) island) ristics.
 Channel taken Left Channel taken Left (Rock D Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	nte ″left" & ′ □ Fa ⊡ Fa	'right" refer to r Right [r Right □ vel for each of	direction facin N/A (put in N/A (took of the following	ng downs below is ut above characte	itream.) land) island)
 Channel taken Left Channel taken Left (Rock D Please evaluat 	past Peskeom enter Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	nte ″left" & ′ □ Fa ⊡ Fa	'right" refer to r Right [r Right □	direction facin N/A (put in N/A (took of	ng downs below is ut above characte	island) ristics. eptable, flow: <i>Too</i>
 Channel taken Left Channel taken Left (Rock D Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	nte "left" & ' Fa I Fa t and skill le	'right" refer to r Right [r Right □ vel for each of	direction facin N/A (put in N/A (took of the following Totally acceptable	ng downs below is ut above characte If unacc was	island) ristics. eptable, flow:
 Channel taken Left Channel taken Left (Rock D Please evaluat 	past Peskeom enter Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	nte "left" & ' Fa I Fa t and skill le	'right" refer to r Right [r Right □ vel for each of	direction facin N/A (put in N/A (took of the following Totally acceptable	ng downs below is ut above characte If unacc was <i>Too</i>	island) ristics. eptable, flow: <i>Too</i>
 5. Channel taken Left Channel taken Left (Rock D Left (Rock D Please evaluat (Cecte one nut) 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft vour watercraft Unacceptable	te "left" & ' □ Fa ☑ Fa t and skill le Neutral 0 0	'right" refer to r Right [r Right □ vel for each of	direction facin N/A (put in N/A (took of the following Totally acceptable 2 2 2	ng downs below is ut above characte If unacc was <i>Too</i>	island) ristics. eptable, flow: <i>Too</i>
 5. Channel taken Left 5. Channel taken Left (Rock D 7. Please evaluat Concisione nui Navigability 	past Peskeom enter Right (past Rawson I am) e this flow for er for each o Totally unacceptable -2	skut Island: (No (deep chute) sland: Center Right your watercraft theracteristic.) Unacceptable -1	te "left" & ' Fa Trand skill le Neutral	'right" refer to r Right [r Right □ vel for each of	direction facin N/A (put in N/A (took of the following Totally acceptable	ng downs below is ut above characte If unacc was <i>Too</i>	island) ristics. eptable, flow: <i>Too</i>
 5. Channel taken Left 5. Channel taken Left (Rock D V. Please evaluat (Challe one mu) Navigability Safety 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft toracteristic.) Unacceptable -1 -1 -1	te "left" & ' □ Fa ☑ Fa t and skill le Neutral 0 0	'right" refer to r Right [r Right □ vel for each of	direction facin N/A (put in N/A (took of the following Totally acceptable 2 2 2	ng downs below is ut above characte If unacc was <i>Too</i>	island) ristics. eptable, flow: <i>Too</i>

		Difficulty		Ĺ	ocation in Bypass
	Just sc	rapes			
				3	
- 9		- 111			
9. Are	ou likely to return	for future boa	iting along this re	ach a <mark>r this</mark> flow? (Ch	pr.4
in the second se	Definitely not	D Poss			
Second .	activities (10)		ыру	Probably	Definitely yes
UH H	d on the Internation wilty of the run at <u>t</u> flow rates as Class:	his flow? (If ap	er Scale (defined	below), how would e a range of classific	you rate the whitewater atic <u>this</u>
11. Wha	t skill level do you t	hink a paddler	needs to safely j	paddle the bypass at	<u>this</u> flow?
	eginner 🚺	Novice	🗋 Intermedia	e 🛛 Advanced	d Expert
			t.		
	Whitewater Scale				
 Class1- ປາຮູກ. 	 Fast moving water with ring eliferescule is leasy. 	ffles and small wave	es. Few obstructions, all	obvious and easily missed w	ith it is in one. Risk to swimmers
	 Straightforward rapids v is and medium-sized wave minespasi. 	vith wide, clear cha is are easily missed	nnels which are eviden by trained paddlers. Sw	without scouring. Occasio immers are seldom injured a	nal mensionaring may our required, and group assistance while helpful
tasily a	volded. Strong eddles an	d powerful current	effects can be found	Iten required; arge waves on narticularly on large volume	complex may be present but are a rivers Scouting is advisable for complex he required to avoid long
eddy tu Inay be	in may be needed to initiat necessary the first time do	e maneuvers, scout wn. Risk of injury t	es or constricted passag rapids, or rest. Rapids i o swimmers is moderat	es demanding fast maneuvi nav require "must" moves a	Depending on the character of the ars under pressure. A fast, reliable bove datgerous hazards. Scouting ons may make self-rescue difficult.
 Class V eves a emand ese fa 	 Extremely long, obstruct nd holes or steep, congesting a high level of fitness. ctors may be combined. S 	ed, or very violent sted chutes with co What eddies exist couting is recomme	rapids which expose a omplex demanding rout may be small, turbulen nded but may be diffici	paddler to added risk. Drop es. Rapids may continue f	os may contain large, unavoidable or long stances between pools, e high end of the scale, several of of reserve of feed difficult every feed
	is Hydroelectric Proje		2 of 2		inale Flow Evaluation Form

2 of **2**

	Turne	Single Flov rs Falls Hydroel Boating Demo		ct, FERC No. 18	89		
Date: <u> </u>	202/						
Time: 3:30	PM						
Name: De	b Weiser	nstein					
1. Please indicate	e which flow re	lease this surve	ey correspon	ids to. (Check d	ne)	11	2
🗍 500 cfs		🗋 670 cfs		🔲 900 cfs	🗹 Oth	ner: <u>45</u>	0
				1		#4	
2. Did you load y	our boat with g	gear or other w	eights for th	is run? 🗹 Ye	s 🖸 No	•	
	oon woor mining	,	0				
3. Put-in location	· · · · · ·		بالأتمام المعاما معا		2 (below Deck	eomskut	Island)
3. Put-in location	tor this run: 🛽	🖉 Put-In #1 (at	. IISN ladder)	🖵 Put-III #	2 (DEIUW FESK	CONSKUL	. iosanoy
		1					
5. Channel taken	past Peskeom Center Right (past Rawson Is	skut Island: (No (deep chute) sland:	Dt€ 'left" & M Fai	right" refer to r Right [ng downs below is	(r 1m.) land)
 Channel taken Leît Channel taken Left (Rock 1) 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right	Dte "left" & ☑ Fai	right" refer to r Right [r Right]	direction facu N/A (put in N/A (took ou	ng downs below is ut above	(r (m.) land) island)
 Channel taken Leit Channel taken Left (Rock 1 Please evaluat 	past Peskeom Center Right (past Rawson Is Dam) Dam	skut Island: (No (deep chute) sland: Center Right your watercraf	Dte "left" & ☑ Fai	right" refer to r Right [r Right]	direction facu N/A (put in N/A (took ou	ng downs below is ut above	(r (m.) land) island)
 Channel taken Left Channel taken Left (Rock 1 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraf	Dte "left" & ☑ Fai	right" refer to r Right [r Right]	direction facu N/A (put in N/A (took ou	ng downs below is ut above characte	(r (m.) land) island) ristics
 Channel taken Left Channel taken Left (Rock 1 Please evaluat 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraf	Dte "left" & ☑ Fai	right" refer to r Right [r Right] vel for each of	direction fact N/A (put in N/A (took ou the following	ng downs below is ut above characte	(r im.) land) island)
 Channel taken Leit Channel taken Left (Rock 1 Please evaluat 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraf	Dte "left" & ☑ Fai	right" refer to r Right [r Right]	direction facu N/A (put in N/A (took ou	ng downs below is ut above characte	(r un.) land) island) ristics eptable, flow: <i>Too</i>
 Channel taken Left Channel taken Left (Rock 1) Please evaluat 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraf	DIE 'left" & M Fai □ Fa t and skill le	right" refer to r Right [r Right] vel for each of	direction fact N/A (put in N/A (took ou the following Totally acceptable	ng downs below is ut above characte If unacc was	(r un.) land) island) ristics eptable, flow:
 Channel taken Left Channel taken Left (Rock 1) Please evaluat 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraf conteristic.) Unacceptable -1	DIE 'left" & M Fai □ Fa t and skill le	right" refer to r Right r Right vel for each of Acceptable	direction fact N/A (put in N/A (took ou the following Totally acceptable 2	ng downs below is ut above characte If unacc was <i>Too</i>	(r un.) land) island) ristics eptable, flow: <i>Too</i>
 5. Channel taken Left 6. Channel taken Left (Rock 1) 7. Please evaluat (Cacle one mage) 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraf (reracteristic.) Unacceptable -1 -1	The first of the formation of the format	right" refer to r Right r Right vel for each of Acceptable	direction facu N/A (put in N/A (took ou the following Totally acceptable 2 2 2	ng downs below is ut above characte If unacc was <i>Too</i>	(r un.) land) island) ristics eptable, flow: <i>Too</i>
 5. Channel taken Left 6. Channel taken Left (Rock 1) 7. Please evaluat (Cocle one mediate) Navigability Safety Ease of out-in 	past Peskeoms Center Right (past Rawson Is Dam) te this flow for p cer for each c Totally unacceptable -2	skut Island: (No (deep chute) sland: Center Right your watercraf conteristic.) Unacceptable -1	DIE 'left" & ☐ Fai t and skill let Neutral	right" refer to r Right r Right vel for each of Acceptable	direction fact N/A (put in N/A (took ou the following Totally acceptable 2	ng downs below is ut above characte If unacc was <i>Too</i>	(r (n.) land) island) ristics eptable, flow: <i>Too</i>
 5. Channel taken Left 6. Channel taken Left (Rock 1) 7. Please evaluat (Cacle one mediated) Navigability Safety 	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No (deep chute) sland: Center Right your watercraf (reracteristic.) Unacceptable -1 -1 -1	The first of the formation of the format	right" refer to r Right r Right vel for each of Acceptable	direction facu N/A (put in N/A (took ou the following Totally acceptable 2 2 2	ng downs below is ut above characte If unacc was <i>Too</i>	(r (n.) land) island) ristics eptable, flow: <i>Too</i>

Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

110	Difficulty Location in Bypass
f	ar Rof island much too low
	ar Rof island much too low like being in a pinball machine
9	
	Definitely not Possibly Probably Definitely yes
20). Fased on the international Whitewater Scale (defined below), how would you rate the whitewater difficulty of the run at <u>this</u> flow? (If appropriate, provide a range $=$ classification $= \frac{\text{this}}{\text{this}}$ is the run at the second se
11	That skill level do you think a paddler needs to safely paddle the bypass at this flow? differences
	🖸 Beginner 🔽 Novice 🗖 Intermediate 🗖 Advanced 🔲 Expert
	. ^{Ol} ease provide any additional comments about <u>this</u> flow below.
Inte	rnational Whitewater Scale
9	Liaus 1 - Past moving water with riffles and small waves. Few obstructions, all obvious and easily missed with if the cloning Risk to swimmers of ght; self-rescue is easy.
Ø	Class II – Straightforward rapids with wide, clear channels which are evident without scouding. Occasional maneuvering may be required, but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are soldom injured and group assistance while helpful paradism needed.
	Constitue - Alabids with a operate, irregular waves which may be difficul to avoid, and which can swamp an operation the. Complay haneuvers last current and group boat control in tight passages or around ledges are often required, large waves or stitue is may be present but are result avoided. Strong eddles and powerful current effects can be found, particularly on large-volume norms. Scouting is advisable for heartenenced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long control.
•	Class IV – Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the over, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult. Cloub assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
0	Class V + Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable raves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, themanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high and of the scale, several of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescile is often difficult even for ell perts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	Turne	Single Flov ers Falls Hydroe Boating Dem	-	ct, FERC No. 1	389		
Date: 11/1/2	,)						
Time: 11:3							
-							
Name:	RAD WALL	KER .					
1. Please indicat	e which flow re	elease this surve	ey correspor	nds to. (Check a	one) 🕤	2	
500 cf	S	🗖 670 cfs		🛛 900 cfs	🛛 Ot	her:	
2 #1							
2. Did you load y	our boat with	gear or other w	aights for th	nis run? 🕅 Va	s 🔲 No		
		Bear of other W	5.5115 IOI 1				
. Channel taker	n past Peskeom	n: Take-Out Island: (No	ote "left" & '	'right" refer to	_	ng downs	stream.)
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation 	n past Peskeom Center Right n past Rawson Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' 🖾 Fa	'right" refer to r Right [r Right [direction faci] N/A (put ir N/A (took o	ng downs 1 below is ut above	stream.) land) island)
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation 	n past Peskeom Center Right past Rawson Dam) Dam) te this flow for mber for each o	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' 🖾 Fa	'right" refer to r Right [r Right [direction faci N/A (put ir N/A (took o the following	ng downs a below is ut above characte	stream;) iland) island) ristics. eptable,
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation 	n past Peskeom Center Right past Rawson I Dam) Te this flow for mber for each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ' 🖾 Fa	'right" refer to r Right [r Right [direction faci N/A (put ir N/A (took o the following Totally	ng downs a below is ut above characte If unacc was	stream.) iland) island) ristics. eptable, flow:
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation 	n past Peskeom Center Right past Rawson Dam) Dam) te this flow for mber for each o	skut Island: (No (deep chute) sland: Center Right your watercraft	t and skill le	^{'right" refer to} r Right [r Right □ vel for each of	direction faci N/A (put ir N/A (took o the following	ng downs a below is ut above characte	stream;) iland) island) ristics. eptable,
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation 	n past Peskeom Center Right past Rawson I Dam) Te this flow for mber for each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft	ete "left" & '	^{'right" refer to} r Right [r Right □ vel for each of	direction faci N/A (put ir N/A (took o the following Totally acceptable 2	ng downs a below is ut above characte If unacc was Too	stream.) land) island) ristics. eptable, flow: Too
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluat (Circle one nut) Navigability Safety 	n past Peskeom Center Right n past Rawson Dam) Te this flow for mber for each of Totally unacceptable	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1 -1	ete "left" & '	⁽ right" refer to r Right □ r Right □ vel for each of Acceptable	direction faci N/A (put ir N/A (took o the following Totally acceptable 2 2 2	ng downs a below is ut above characte If unacc was Too	stream.) land) island) ristics. eptable, flow: Too
 Channel taker Left Channel taker Channel taker Left (Rock I Left (Rock I Please evaluation (Circle one number of the second seco	a past Peskeom Center Right past Rawson Dam) Totally unacceptable -2	(deep chute) (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1	ete "left" & '	<pre>'right" refer to r Right I r Right I vel for each of Acceptable </pre>	direction faci N/A (put ir N/A (took o the following Totally acceptable 2	ng downs a below is ut above characte If unacc was Too	stream.) land) island) ristics. eptable, flow: Too
 Channel taker Left Channel taker Channel taker Left (Rock I Left (Rock I Please evaluation (Circle one number) Navigability Safety 	a past Peskeom Center Right past Rawson Dam) te this flow for mber for each of Totally unacceptable -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1 -1	ote "left" & ' Fa Fa t and skill lev Neutral 0 0 0	<pre>'right" refer to r Right [r Right [vel for each of Acceptable 1</pre>	direction faci N/A (put ir N/A (took o the following Totally acceptable 2 2 2	ng downs a below is ut above characte If unacc was Too	stream.) land) island) ristics. eptable, flow: Too

_	Difficulty		Locatio	on in Bypass
	Opening Ledges toget to read		Prt in.	H I
	(- <u>)</u> - <u>)</u> - <u>)</u>			· /
1	1. 自動化物 年二、日本学生設備化学です。	32761.1		
-				a in firstera di
-				
9.	Are you likely to return for future boating along this	reach at this	<u>s</u> flow? (Check o	ne)
	Definitely not Possibly	🔲 Prob	ably	Definitely yes
	A costally		uory i	
	 Based on the International Whitewater Scale (define difficulty of the run at <u>this</u> flow? (If appropriate, pro This flow rates as Class:	vide a range	of clossification	s for <u>this</u> flow.)
		.) passie inc	, o , pass at <u>this</u> i	now. (encor one)
	🗆 Beginner 🛛 Novice 🕅 Intermed	diate 🗆] Advanced	Expert
	Low - only file day out of	Ne racis,	h -	
Inte	ernational Whitewater Scale			
•	Ciass I – Fast moving water with riffles and small waves. Few obstructions is slight; self-rescue is easy.	;, all obvious and (easily missed with little	e training. Risk to swimmers
•	Class II – Straightforward rapids with wide, clear channels which are evi but rocks and medium-sized waves are easily missed by trained paddlers. Is seldom needed.	dent without sco Swimmers are s	uting. Occasional ma eldom injured and gro	neuvering may be required, pup assistance, while helpful
•	Class III – Rapids with moderate, irregular waves which may be difficult to in fast current and good boat control in tight passages or around ledges a easily avoided. Strong eddies and powerful current effects can be fou inexperienced parties. Injuries while swimming are rare; self-rescue is swims.	are often required nd, particularly d	d; large waves or strain on large-volume river	ners may be present but are
•	Class IV – Intense, powerful but predictable rapids requiring precise boa river, it may feature large, unavoidable waves and holes or constricted pa eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rap may be necessary the first time down. Risk of injury to swimmers is mod Group assistance for rescue is often essential but requires practiced skill:	assages demandir bids may require " erate to high, and	ng fast maneuvers und 'must" moves above d d water conditions ma	der pressure. A fast, reliable langerous hazards. Scouting av make self-rescue difficult
•	Class V – Extremely long, obstructed, or very violent rapids which expose waves and holes or steep, congested chutes with complex demanding demanding a high level of fitness. What eddies exist may be small, turb these factors may be combined. Scouting is recommended but may be d experts. A very reliable eskimo roll, proper equipment, extensive experies	se a paddler to ad routes. Rapids r ulent, or difficult ifficult. Swims ar	dded risk. Drops may may continue for long to reach. At the high e dangerous, and resc	v contain large, unavoidable g distances between pools, end of the scale, several of rue is often difficult even for

Single Flow Evaluation Form Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study
Date: 11/9/21
Time: 12:45 pm
Name: Bho WALLER
Name: BROWHELLING EFFECTIVENT THE JAME AS SOOCH
1. Please indicate which flow release this survey corresponds to. (Check one)
□ 500 cfs □ 500 cfs □ Other:
#2
2. Did you load your boat with gear or other weights for this run? 🛛 Yes 🛛 No
3. Put-in location for this run: 🔟 Put-In #1 (at fish ladder) 🛛 🗖 Put-In #2 (below Peskeomskut Island)
4. Take-out location for this run: 🛛 Take-Out #1 (Station No. 1) 🛛 Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction facing downstream.)
6. Channel taken past Rawson Island: □ Left (Rock Dam) □ Center Right □ Far Right □ N/A (took out above island)

7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. *(Circle one number for each characteristic.)*

	Totally				Totally	If unacceptable was flow:	
	unacceptable	Unacceptable	Neutral	Acceptable	acceptable	Too low	Too high
Navigability	-2	-1	0	1	2		
Safety	-2	-1	0	1	2		
Ease of put-in	-2	-1	0	1	2		
Scrapes/bumps No. of times:	-2	-1	0	1	2		
Portages ¹ No. of times:	-2	-1	0	1	2		

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

	D	ifficulty		, ,	tion in Bypass
			V 19 45-1 19-44		and a speas
Part of				n (englis	
9	Are you likely to return for	future boating along	this reach at	this flow? (Check	cone)
	Definitely not	Possibly		robably	Definitely yes
10). Based on the International difficulty of the run at <u>this</u> f This flow rates as Class:	low? (If appropriate,	lefined belov provide a ra	v), how would yc nge of classificati	ou rate the whitewater ons for <u>this</u> flow.)
11	What skill level do you thinl	k a paddler needs to s	afely paddle	e the bypass at <u>th</u> i	is flow? (Check one)
	🗋 Beginner 🛛 🗋 N	ovice 🛛 Inter	mediate	Advanced	Expert
12	. Please provide any addition	al comments about <u>t</u>	<u>his</u> flow belo	W.	
Inte	rnational Whitewater Scale				
•	Class I – Fast moving water with riffles a Is slight; self-rescue is easy.	and small waves. Few obstruc	tions, all obvious	and easily missed with li	ttle training. Risk to swimmers
•	Class II – Straightforward rapids with v but rocks and medium-sized waves are is seldom needed.	vide, clear channels which ar easily missed by trained pade	e evident withou llers. Swimmers	t scouting. Occasional r are seldom injured and	naneuvering may be required, group assistance, while helpful
•	Class III – Rapids with moderate, irregu in fast current and good boat control ir easily avoided. Strong eddies and por inexperienced parties. Injuries while s swims.	werful current effects can be	ges are often req	uired; large waves or st	rainers may be present but are
•	Class IV – Intense, powerful but predic river, it may feature large, unavoidable eddy turn may be needed to initiate ma may be necessary the first time down. Group assistance for rescue is often ess	neuvers, scout rapids, or rest. Risk of injury to swimmers is	ed passages dem Rapids may requ moderate to high	anding fast maneuvers u uire "must" moves above and water conditions of	Inder pressure. A fast, reliable e dangerous hazards. Scouting
•	Class V – Extremely long, obstructed, c waves and holes or steep, congested demanding a high level of fitness. Wha these factors may be combined. Scouti experts. A very reliable eskimo roll, pro-	or very violent rapids which e chutes with complex deman at eddies exist may be small, ng is recommended but may	expose a paddler ding routes. Rap turbulent, or diffi be difficult. Swin	to added risk. Drops m bids may continue for lo icult to reach. At the hi	ay contain large, unavoidable ong distances between pools, gh end of the scale, several of

. 1		ers Falls Hydroe Boating Dem			889		
Date:	21						
Time: 2:4	5 PM						
2							
Name:	MAD MALIN	IFR					
1. Please indicat	e which flow re	elease this surve	ey correspo				
🗖 500 cf	s	🛛 670 cfs		💋 900 cfs	🗖 Ot	her:	
				#3			
2. Did you load y	our boat with	gear or other w	eights for th	nis run? 🔯 Ye	s 🗆 No		
,		-	0	C 3			
3. Put-in locatio	o for this runs		fich ladder		t2 (below Pos	keomeku	t Island)
s. Put-in locatio	n for this run:		, nsn ladder,	, L Put-IN+	rz (Delow Pes	REGHISKU	c isianu)
				1			
i. Channel taker	n past Peskeom		ote "left" &	"right" refer to	direction fac	ing down:	stream.)
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation 	n past Peskeom Center Right n past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & Fa	"right" refer to r Right [r Right □	direction faci	ing down: n below is ut above	stream.) sland) island)
 Channel taker Left (Rock I Please evalua 	n past Peskeom Center Right n past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & Fa	"right" refer to r Right [r Right □	direction faci ☐ N/A (put in] N/A (took o the following	ing down: n below is ut above characte	stream.) sland) island) eristics. eptable,
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation 	n past Peskeom Center Right n past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & Fa	"right" refer to r Right [r Right □	direction faci	ing down: n below is ut above characte	stream.) sland) island) eristics.
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation 	n past Peskeom Center Right n past Rawson I Dam)	iskut Island: (No (deep chute) sland: Center Right your watercraft	t and skill le	"right" refer to r Right I r Right I vel for each of Acceptable	direction faci N/A (put in N/A (took o the following Totally acceptable	ing downs n below is ut above characte If unacc was	stream.) sland) island) ristics. reptable, flow:
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluar (Circle one nut) 	n past Peskeom Center Right n past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1	te "left" & Fa	"right" refer to r Right I r Right I vel for each of	direction faci ☐ N/A (put in] N/A (took o the following Totally acceptable 2	ing downs n below is ut above characte lf unacc was Too	stream.) sland) island) eristics. eptable, flow: Too
 5. Channel taker Left 5. Channel taker Left (Rock I 2. Please evaluation (Circle one nutries) Navigability Safety 	a past Peskeom Center Right Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1 -1	ote "left" & Fa	"right" refer to r Right I r Right I vel for each of Acceptable	direction fact N/A (put in N/A (took o the following Totally acceptable 2 2 2	ing downs n below is ut above characte lf unacc was Too	stream.) sland) island) eristics. eptable, flow: Too
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluar (Circle one nut) Navigability Safety Ease of put-in 	a past Peskeom Center Right Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1	te "left" & Fa	"right" refer to r Right I r Right I vel for each of Acceptable	direction faci ☐ N/A (put in] N/A (took o the following Totally acceptable 2	ing downs n below is ut above characte lf unacc was Too	stream.) sland) island) eristics. eptable, flow: Too
 Channel taker Left Channel taker Channel taker Left (Rock I Please evaluation (Circle one nutril) Navigability 	a past Peskeom Center Right Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1 -1	ote "left" & Fa	"right" refer to r Right I r Right I vel for each of Acceptable	direction fact N/A (put in N/A (took o the following Totally acceptable 2 2 2	ing downs n below is ut above characte lf unacc was Too	stream.) sland) island) eristics. eptable, flow: Too

	Difficulty	Locati	on in Bypass
	Pinnel of r rivit Judges	Opens	ledies
		1-2	
		1. Silesini	
9.	Are you likely to return for future boating along this reach at thi	<u>s</u> flow? (Check a	one)
	🗖 Definitely not 🗳 Possibly 🗖 Prob	ably	Definitely yes
10	D. Based on the International Whitewater Scale (defined below), difficulty of the run at <u>this</u> flow? (<i>If appropriate, provide a range</i> This flow rates as Class: <u>1</u>).		
11	1. What skill level do you think a paddler needs to safely paddle the	e bypass at <u>this</u>	flow? (Check one)
	🗆 Beginner 🔹 Novice 🖾 Intermediate	Advanced	Expert
12	2. Please provide any additional comments about <u>this</u> flow below. towher to name the Shehr racks		
Inte	ernational Whitewater Scale		
•	Class I – Fast moving water with riffles and small waves. Few obstructions, all obvious and is slight; self-rescue is easy.	easily missed with lit	tle training. Risk to swimmers
•	Class II – Straightforward rapids with wide, clear channels which are evident without sco but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are is seldom needed.	outing. Occasional m seldom injured and g	aneuvering may be required, roup assistance, while helpful
•	Class III – Rapids with moderate, irregular waves which may be difficult to avoid, and which in fast current and good boat control in tight passages or around ledges are often require easily avoided. Strong eddies and powerful current effects can be found, particularly inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, bu swims.	ed; large waves or stra on large-volume rive	ainers may be present but are ers. Scouting is advisable for
•	Class IV – Intense, powerful but predictable rapids requiring precise boat handling in tur river, it may feature large, unavoidable waves and holes or constricted passages demand eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require may be necessary the first time down. Risk of injury to swimmers is moderate to high, ar Group assistance for rescue is often essential but requires practiced skills. A strong eskir	ing fast maneuvers un "must" moves above nd water conditions m	nder pressure. A fast, reliable dangerous hazards. Scouting nay make self-rescue difficult.
•	Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to a waves and holes or steep, congested chutes with complex demanding routes. Rapids demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult these factors may be combined. Scouting is recommended but may be difficult. Swims a experts. A very reliable eskimo roll, proper equipment, extensive experience, and practice	added risk. Drops ma may continue for lo t to reach. At the hig re dangerous, and re	ay contain large, unavoidable ng distances between pools, sh end of the scale, several of scue is often difficult even for

		Single Flo	w Evaluatio	on Form			
	Turn	ers Falls Hydroe	electric Proje	ect, FERC No. 1	889		
n. /	1	Boating Dem	ionstration I	low Study			
Date:l	121			.03			
Time: <u>3:3</u>	OPM						
Name:K	nge wa	rlhin					
1. Please indicat	e which flow re	elease this surve	ey correspor	nds to. (Check	one)		
🗖 500 cf	S	□ 670 cfs		□ 900 cfs	X Ot	her:	
					0	her: H 4	
2. Did you load v	our boat with	gear or other w	eights for th	nis run? 🔟 Ye	s 🗆 No	,	
			-	V			
8. Put-in location	n for this run:	🛱 Put-In #1 (at	: fish ladder)	🗌 Put-In ‡	2 (below Pes	keomskut	t Island)
. Take-out loca		8 4					
	2	skut Island: (No				ing downs	
		(doop chuto)		[
🗆 Left 🛛 🛱	Center Right	(ueep chute)		r Right I	□ N/A (put ir	n below is	
				r Right I	□ N/A (put ir	n below is	
							land)
v	n past Rawson I				□ N/A (put ir N/A (took o		land)
 Channel taker Left (Rock I Please evaluat 	n past Rawson I Dam) 🛛	sland: Center Right your watercraft	🗖 Fa	r Right 🛛 🔀	N/A (took o	ut above	land) island)
 Channel taker Left (Rock I Please evaluat 	n past Rawson I Dam) te this flow for mber for each o	sland: Center Right your watercraft	🗖 Fa	r Right 🛛 🔀	N/A (took o	ut above characte	land) island) ristics. eptable,
 Channel taker Left (Rock I Please evaluat 	n past Rawson I Dam) 🛛 🗖 te this flow for	sland: Center Right your watercraft	🗖 Fa	r Right 🛛 🔀	N/A (took o	ut above characte	land) island) ristics.
 Channel taker Left (Rock I Please evaluat 	n past Rawson I Dam) te this flow for <i>mber for each o</i> Totally	sland: Center Right your watercraft haracteristic.)	☐ Fai t and skill lev	r Right 🛛 🔀 vel for each of	N/A (took o the following Totally	ut above characte If unacc was	land) island) ristics. eptable, flow:

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

0

-1

-1

Turners Falls Hydroelectric Project (No. 1889)

-2

-2

-2

Ease of put-in

Scrapes/bumps

Δ

No. of times: _____ Portages¹

No. of times:

0

0

0

1

1

1

2

2

2

	Difficulty		Location in Bypass
Produer n	eeds to know thes	i Open	3 todas
9. Are you likely t	o return for future boating al	ong this reach at this flow? (Cl	heck one)
🔲 Definitely	not Dossibly	Probably	Definitely γes
difficulty of the		le (defined below), how woul ate, provide a range of classifi	
11. What skill leve	l do you think a paddler needs	s to safely paddle the bypass a	t <u>this</u> flow? (Check one)
🗍 Beginner	Novice 🕺	ntermediate 🛛 Advance	ed 🛛 Expert
Fron	any additional comments abo differ the in f of the #1.2	out <u>this</u> flowbelow. lo~ りょ の, Hy	West Por
International Whitewater	Scale		
Class I – Fast moving is slight; self-rescue i	water with riffles and small waves. Few c is easy.	obstructions, all obvious and easily missed	with little training. Risk to swimmers
 Class II – Straightfor but rocks and mediu is seldom needed. 	ward rapids with wide, clear channels wl m-sized waves are easily missed by traine	hich are evident without scouting. Occas ed paddlers. Swimmers are seldom injured	ional maneuvering may be required, d and group assistance, while helpful
 Class III – Rapids with in fast current and go 	n moderate, irregular waves which may b bood boat control in tight passages or arou	e difficult to avoid, and which can swamp und ledges are often required; large wave:	an open canoe. Complex maneuvers s or strainers may be present but are

- in fast current and good boat control in tight passages or around ledges are often required; large waves or strainers may be present but are easily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. Scouting is advisable for inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long swims.
- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult. Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable
 waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools,
 demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of
 these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for
 experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	runne	Boating Dem	-	ct, FERC No. 18 Now Study			
Date:	121						
Fime: 11:2	7						
Name: Jim		20					
vame:							
L. Please indicate	which flow re	lease this surve	ey correspor	nds to. (Check a	one)		
☑ 500 cfs		□ 670 cfs		🛛 900 cfs	🛛 Ot	her:	
#1							
2. Did you load yo	our boat with	gear or other w	eights for th	nis run? 🛛 Ye	s 🗹 No 🏒	st Bri.	9-
			5				
3. Put-in location	for this run l	Put-in #1 (at	fish ladder)	Put-In #	2 (below Pes	keomskut	t Island)
S. Fut-inflocation	for this run. I		non ladaer,	,	_ (~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		
	f this		#1 /Station			abot Wor	(she
. Take-out locati	on for this rur	n: 🗖 Take-Out	#1 (Station	No. 1)	ake-Out #2 (C	abot Woo	ods)
. Channel taken	past Peskeom	skut Island: (No	te "left" & '	"right" refer to	direction faci	ng downs	stream.)
5. Channel taken	past Peskeom	skut Island: (No	te "left" & '	"right" refer to	direction faci	ng downs	stream.)
5. Channel taken	past Peskeom		te "left" & '	"right" refer to	direction faci	ng downs	stream.)
	past Peskeom Center Right	skut Island: (Nc (deep chute)	te "left" & '	"right" refer to	direction faci	ng downs	stream.)
5. Channel taken	past Peskeom Center Right past Rawson I	skut Island: (Nc (deep chute) sland:	ote "left" & Fa	"right" refer to r Right [direction faci	ng downs n below is	stream.) iland)
5. Channel taken	past Peskeom Center Right past Rawson I	skut Island: (Nc (deep chute) sland:	ote "left" & Fa	"right" refer to r Right [direction faci	ng downs n below is	stream.) iland)
. Channel taken Left 🗆 . Channel taken Left (Rock Da	past Peskeom Center Right past Rawson I am) प्र	skut Island: (No (deep chute) sland: Center Right	te "left" & Fa	"right" refer to r Right [r Right [2	direction faci] N/A (put ir] N/A (took o	ng downs n below is ut above	stream.) land) island)
 5. Channel taken Left 5. Channel taken Left (Rock Data of Left (Rock Data of Left) 7. Please evaluated 	past Peskeom Center Right past Rawson I am) प् am)	skut Island: (No (deep chute) sland: Center Right Mathematica passable 1 your watercraft	te "left" & ☐ Fa ☐ Fa	"right" refer to r Right [r Right [2	direction faci] N/A (put ir] N/A (took o	ng downs n below is ut above	stream.) land) island)
5. Channel taken Left 🗆 5. Channel taken Keft (Rock Da	past Peskeom Center Right past Rawson I am) प् am)	skut Island: (No (deep chute) sland: Center Right Mathematica passable 1 your watercraft	te "left" & ☐ Fa ☐ Fa	"right" refer to r Right [r Right [2	direction faci] N/A (put ir] N/A (took o	ng downs n below is ut above characte	stream.) Iand) island) ristics.
 5. Channel taken Left 5. Channel taken Left (Rock Data of Left (Rock Data of Left) 7. Please evaluated 	past Peskeom Center Right past Rawson I am) this flow for aber for each o	skut Island: (No (deep chute) sland: Center Right Mathematica passable 1 your watercraft	te "left" & ☐ Fa ☐ Fa	"right" refer to r Right [r Right [2	direction faci N/A (put ir N/A (took o the following	ng downs n below is ut above characte	island) island) ristics. eptable,
 Channel taken Left Channel taken Channel taken Left (Rock Data 	past Peskeom Center Right past Rawson I am) this flow for aber for each o Totally	skut Island: (No (deep chute) sland: Center Right Mathematica passable 1 your watercraft	te "left" & ☐ Fa ☐ Fa	"right" refer to r Right [r Right [2	direction faci N/A (put ir N/A (took o the following Totally	ng downs n below is ut above characte If unacc was	stream.) land) island) ristics. eptable, flow:
 Channel taken Left Channel taken Channel taken Left (Rock Data 	past Peskeom Center Right past Rawson I am) this flow for aber for each o	skut Island: (No (deep chute) sland: Center Right Massable 1 your watercraft	ete "left" & Fa	"right" refer to r Right [r Right [vel for each of	direction faci N/A (put ir N/A (took o the following	ng downs n below is ut above characte	island) island) ristics. eptable,
 5. Channel taken Left 5. Channel taken E Left (Rock Data of the second second	past Peskeom Center Right past Rawson I am) this flow for aber for each o Totally	skut Island: (No (deep chute) sland: Center Right Massable 1 your watercraft characteristic.)	ete "left" & Fa	"right" refer to r Right [r Right [vel for each of	direction faci N/A (put ir N/A (took o the following Totally	ng downs n below is ut above characte If unacc was <i>Too</i>	stream.) land) island) ristics. reptable, flow: Too
 Channel taken Left Channel taken Channel taken Left (Rock Data 	past Peskeom Center Right past Rawson I am) Q this flow for aber for each o Totally unacceptable	skut Island: (No (deep chute) sland: Center Right Massable 1 your watercraft	The "left" & Fa	"right" refer to r Right [r Right [vel for each of Acceptable	direction faci N/A (put ir N/A (took o the following Totally acceptable	ng downs n below is ut above characte If unacc was <i>Too</i> <i>low</i>	stream.) land) island) ristics. reptable, flow: Too
 5. Channel taken Left 5. Channel taken Channel taken Left (Rock Data of the second second	past Peskeom Center Right past Rawson I am) this flow for ber for each of Totally unacceptable -2	skut Island: (No (deep chute) sland: Center Right Maracteristic.) Unacceptable	ete "left" & T Fa	"right" refer to r Right r Right vel for each of Acceptable	direction faci N/A (put ir N/A (took o the following Totally acceptable 2	ng downs n below is ut above characte If unacc was Too low	stream.) land) island) ristics. reptable, flow: Too
 5. Channel taken Left 5. Channel taken Left (Rock Date of Content of Conte	past Peskeom Center Right past Rawson I am) Q this flow for ber for each of Totally unacceptable -2 -2 -2 Q	skut Island: (No (deep chute) sland: Center Right Massable 1' your watercraft characteristic.) Unacceptable	The "left" & The Farmer of	"right" refer to r Right [r Right [vel for each of Acceptable 1 1	direction faci N/A (put ir N/A (took o the following Totally acceptable 2 2 2	ng downs n below is ut above characte lf unacc was Too low V V M	stream.) land) island) ristics. reptable, flow: Too
 Channel taken Left Channel taken Channel taken Left (Rock Date) Please evaluate (Circle one num) Navigability Safety Ease of put-in Scrapes/bumps No. of times: 10⁺ 	past Peskeom Center Right past Rawson I am) this flow for ber for each of Totally unacceptable -2 -2	skut Island: (No (deep chute) sland: Center Right Massable 1' your watercraft characteristic.) Unacceptable	The "left" & The Farmer of	"right" refer to r Right [r Right [vel for each of Acceptable 1 1 1	direction faci	ng downs n below is ut above characte lf unacc was Too low	stream.) land) island) ristics. reptable, flow: Too
 5. Channel taken Left 5. Channel taken Left (Rock Date of Content of Conte	past Peskeom Center Right past Rawson I am) Q this flow for ber for each of Totally unacceptable -2 -2 -2 Q	skut Island: (No (deep chute) sland: Center Right Massable 1' your watercraft characteristic.) Unacceptable	The "left" & The Farmer of	"right" refer to r Right [r Right [vel for each of Acceptable 1 1 1	direction faci	ng downs n below is ut above characte lf unacc was Too low V V M	stream.) land) island) ristics. reptable, flow: Too

- - - - -

	Difficulty		Location in Bypass
1st Island	1 much Sciap	ing some cost	ing For right
much talk	about in provi	ny Drylon/acc ronge + Par	to be
9. Are you likely to ret	urn for future boating along	g this reach at <u>this</u> flow? ((Check one)
Definitely not	Possibly	Probably	Definitely yes
difficulty of the run This flow rates as Cl 151 Capil 7	at this flow? (If appropriate	h dan is a T	Ξ
Beginner	🗆 Novice 🛛 🗹 Inte	rmediate 🔲 Advanc	ed 🛛 Expert
12. Please provide any a Maria mont Chartence Jacent -	additional comments about	<u>this</u> flow below.	h better rest had
International Whitewater Scale			

- Class I Fast moving water with riffles and small waves. Few obstructions, all obvious and easily missed with little training. Risk to swimmers is slight; self-rescue is easy.
- Class II Straightforward rapids with wide, clear channels which are evident without scouting. Occasional maneuvering may be required, but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are seldom injured and group assistance, while helpful is seldom needed.
- Class III Rapids with moderate, irregular waves which may be difficult to avoid, and which can swamp an open canoe. Complex maneuvers
 in fast current and good boat control in tight passages or around ledges are often required; large waves or strainers may be present but are
 easily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. Scouting is advisable for
 inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long
 swims.
- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the
 river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable
 eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting
 may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.
 Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

Single Flow Evaluation Form Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study Date: 1/9/21 Time: 12-46 Name: Jim Syllivan
Name:
1. Please indicate which flow release this survey corresponds to. (Check one)
□ 500 cfs □ 670 cfs □ 900 cfs □ Other:
#2
2. Did you load your boat with gear or other weights for this run? Yes No Just Bring aring
3. Put-in location for this run: Put-In #1 (at fish ladder) Dut-In #2 (below Peskeomskut Island)
4. Take-out location for this run: 🔲 Take-Out #1 (Station No. 1) 🛛 🖾 Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction facing downstream.)
Left Center Right (deep chute) The Better is pet deep N/A (put in below island)
6. Channel taken past Rawson Island:
□ Left (Rock Dam) □ Center Right □ Far Right □ N/A (took out above island)

7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. *(Circle one number for each characteristic.)*

	Totally	Totally	Totally		Totally	If unacceptable was flow:	
	unacceptable	Unacceptable	Neutral	Acceptable	acceptable	Too low	Too high
Navigability	-2	(-1)	0	1	2	r	
Safety	-2	(1)	0	1	2	V	1986
Ease of put-in	-2	(-1)	0	1	2	V	
Scrapes/bumps No. of times: 10	-2	đ	0	1	2	1	
Portages ¹ No. of times:	-2	(1)	0	1	2	/	

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

-		Difficulty		Loca	tion in Bypass
E	got stuck	at botton of	Ecenter	rightchui	te la
	Run Falt	lite the 50	- Fl	n as pr	uvidus
9.	Are you likely to return	for future boating along	this reach at :	<u>this</u> flow? (Check	rone)
	Definitely not	Possibly	Pr	obably	Definitely yes
10		nis flow? (If appropriate,	provide a ran	ige of classificati	ou rate the whitewater ons for <u>this</u> flow.)
	This flow rates as Class: 15t (APil 5til	I to low R	och da	~ c/ III	
11	. What skill level do you t	hink a paddler needs to s	afely paddle	the bypass at <u>thi</u>	is flow? (Check one)
	Beginner	Novice Inter	mediate	Advanced	Expert
12	. Please provide any addi				
	No notec.	able differ	inter p	Elda pl	cavious run
Inte	rnational Whitewater Scale				
•		ffles and small waves. Few obstrue	tions, all obvious a	and easily missed with I	ittle training. Risk to swimmers
•	Class II – Straightforward rapids w but rocks and medium-sized wave is seldom needed.	vith wide, clear channels which ar s are easily missed by trained pad	e evident without dlers. Swimmers a	scouting. Occasional are seldom injured and	maneuvering may be required, group assistance, while helpful

- Class III Rapids with moderate, irregular waves which may be difficult to avoid, and which can swamp an open canoe. Complex maneuvers
 in fast current and good boat control in tight passages or around ledges are often required; large waves or strainers may be present but are
 easily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. Scouting is advisable for
 inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long
 swims.
- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the
 river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable
 eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting
 may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.
 Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable
 waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools,
 demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of
 these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for
 experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	Turne	Single Flow ers Falls Hydroe Boating Dem			889		
Date: (1/9	121						
Date: $(1/q)$ Time: 2^{-1} Name: 1^{-1}	(5						
Time:	2 11						
Name:i	~ Jv//j	10-					
1. Please indicat							
🗖 500 cfs	5	□ 670 cfs		🗹 900 cfs	🗖 Ot	her:	
☐ 500 cfs 2. Did you load y 3. Put-in location	n for this run: 【	면 Put-In #1 (at	: fish ladder)) 🗖 Put-In ‡	‡2 (below Pes	keomsku	t Island)
. Channel taker	past Peskeom		ote "left" & '	" "right" refer to	direction faci	ng down:	stream.)
 Channel taken Left (Rock E Please evaluat 	past Peskeom Center Right (past Rawson I Dam) ロ	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ☑ Fa	"right" refer to r Right I r Right I	direction faci ☐ N/A (put in] Ŋ/A (took o	ng downs n below is ut above characte	stream.) sland) island) eristics.
 Channel taker Left Channel taken Channel taken Left (Rock E Please evaluat 	past Peskeom Center Right (past Rawson I Dam) te this flow for mber for each c	skut Island: (No (deep chute) sland: Center Right your watercraft haracleristic.)	t and skill le	"right" refer to r Right I r Right C vel for each of	direction faci ☐ N/A (put ir] N/A (took o the following	ng downs n below is ut above characte	stream.) sland) island)
 Channel taker Left Channel taken Channel taken Left (Rock E Please evaluat 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & ☑ Fa	"right" refer to r Right I r Right I	direction faci ☐ N/A (put in] Ŋ/A (took o	ng downs n below is ut above characte	stream.) sland) island) ristics. eptable,
 Channel taker Left Channel taken Channel taken Left (Rock E Please evaluat (Circle one nur 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft haracleristic.)	t and skill le	"right" refer to r Right I r Right C vel for each of	direction faci ☐ N/A (put in] N/A (took o the following Totally	ng downs n below is ut above characte If unacc was Too	stream.) sland) island) eristics. eptable, flow: Too
 Channel taken Left Channel taken Channel taken Left (Rock E Please evaluat (Circle one nur 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft haracleristic.)	Ente "left" & ☐ Fa ☐ Fa t and skill le Neutral	"right" refer to r Right I r Right C vel for each of Acceptable	direction faci ☐ N/A (put in] Ŋ/A (took o the following Totally acceptable	ng downs n below is ut above characte If unacc was Too	stream., sland) island) eristics. eptable, flow: Too
 Channel taken Left Channel taken Channel taken Left (Rock E Please evaluat (Circle one nur Navigability Safety 	Past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	ote "left" & ☐ Fa t and skill le Neutral 0	"right" refer to r Right I r Right C vel for each of Acceptable	direction faci ☐ N/A (put in] N/A (took o the following Totally acceptable 2	ng downs n below is ut above characte If unacc was Too	stream., sland) island) eristics. eptable, flow: Too
 Channel taker Left Channel taken Channel taken Left (Rock E Please evaluat 	Past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	ote "left" & ☐ Fa ☐ Fa t and skill le Neutral 0 0	"right" refer to r Right I r Right C vel for each of Acceptable	direction faci ☐ N/A (put in] N/A (took o the following Totally acceptable 2 2 2	ng downs n below is ut above characte If unacc was Too	stream.) sland) island) eristics. eptable, flow: Too

Difficulty	Location in Bypass
we didn't get stuck	this time Far right Istrapil
Below First ragid	was about the same level
Sufficient Flow	
9. Are you likely to return for future boating	along this reach at this flow? (Check one)
Definitely not Definitely not	Probably Definitely yes
difficulty of the run at <u>this</u> flow? (If appro, This flow rates as Class:	eds to safely paddle the bypass at <u>this</u> flow? (Check one)
🗖 Beginner 🗖 Novice 🗖	Intermediate 🗆 Advanced 🛛 Expert
12. Please provide any additional comments a 6-efting better m north make it level it is much	Tittle more mater

International Whitewater Scale

- Class I Fast moving water with riffles and small waves. Few obstructions, all obvious and easily missed with little training. Risk to swimmers
 is slight; self-rescue is easy.
- Class II Straightforward rapids with wide, clear channels which are evident without scouting. Occasional maneuvering may be required, but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are seldom injured and group assistance, while helpful is seldom needed.
- Class III Rapids with moderate, irregular waves which may be difficult to avoid, and which can swamp an open canoe. Complex maneuvers
 in fast current and good boat control in tight passages or around ledges are often required; large waves or strainers may be present but are
 easily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. Scouting is advisable for
 inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long
 swims.
- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the
 river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable
 eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting
 may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.
 Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

il	Turne	Single Flo ers Falls Hydroe Boating Dem		ct, FERC No. 1	889		
Date:	9/21						
Time:							
Name:	n Sull	ivan					
1. Please indicat	o which flow re	losso this surv	ov correspor	ds to (Check)	nnel		
				900 cfs		her:	
1	o Ci	11. 7					
2. Did you load y	/ Your boat with	₩A gear or other w	eights for th	is run? 🔲 Ye	s 🛛 No 🌫	till gen	Brian
 Put-in location Take-out locat Channel taken 	tion for this rur	n: 🗹 Take-Out	#1 (Station	No. 1) 🛛 T	ake-Out #2 (C	abot Wo	ods)
🗆 Left 🛛 🗵							
	went es						
6. Channel taken	ı past Rawson I	sland:			4		
🔲 Left (Rock 🛛	Dam) 🗖	Center Right	🗖 Fai	r Right 🛛 🗖	N/A (took o	ut above	island)
	e this flow for mber for each c	your watercraf :haracteristic.)	t and skill lev	vel for each of	the following	characte	ristics.
·	Totally				Totally		eptable, flow:
	unacceptable	Unacceptable	Neutral	Acceptable	acceptable	Too Iow	Too high
Navigability	-2	(1)	0	1	2	1000	ingn
Safety	-2	(1)	0	1	2	Se diene	

Turners Falls Hydroelectric Project (No. 1889)

-2

-2

-2

Ease of put-in

Portages¹

No. of times:

Scrapes/bumps No. of times: 10+

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

0

0

0

1

1

1

D

0

(1)

Single Flow Evaluation Form

2

2

2

Difficulty	Location in Bypass
the Floting in center chate the Flotos while for but for got stud	centre cheta
the 2/1/915 where here but but got stuce	4.
Could have scratched down 1+ FT	
9. Are you likely to return for future boating along this reach at <u>th</u>	is flow? (Check one)
Definitely not Possibly Prol	bably Definitely yes
 Based on the International Whitewater Scale (defined below), difficulty of the run at <u>this</u> flow? (If appropriate, provide a range This flow rates as Class: 	e of classifications for <u>this</u> flow.)
11. What skill level do you think a paddler needs to safely paddle th	e bypass at <u>this</u> flow? (Check one)
Beginner Dovice Intermediate	Advanced Expert
12. Please provide any additional comments about this flow below.	
International Whitewater Scale	
 Class I – Fast moving water with riffles and small waves. Few obstructions, all obvious and is slight; self-rescue is easy. 	l easily missed with little training. Risk to swimmers
 Class II – Straightforward rapids with wide, clear channels which are evident without sc but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are is seldom needed. 	outing. Occasional maneuvering may be required, seldom injured and group assistance, while helpful
 Class III – Rapids with moderate, irregular waves which may be difficult to avoid, and which in fast current and good boat control in tight passages or around ledges are often require easily avoided. Strong eddies and powerful current effects can be found, particularly inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, bu swims. 	ed; large waves or strainers may be present but are
 Class IV – Intense, powerful but predictable rapids requiring precise boat handling in tu river, it may feature large, unavoidable waves and holes or constricted passages demand eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require may be necessary the first time down. Risk of injury to swimmers is moderate to high, ar Group assistance for rescue is often essential but requires practiced skills. A strong eskir 	ing fast maneuvers under pressure. A fast, reliable "must" moves above dangerous hazards. Scouting ind water conditions may make self-rescue difficult
 Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to a waves and holes or steep, congested chutes with complex demanding routes. Rapids demanding a high level of fitness. What eddies exist may be small, turbulent, or difficul these factors may be combined. Scouting is recommended but may be difficult. Swims a experts. A very reliable eskimo roll, proper equipment, extensive experience, and praction 	added risk. Drops may contain large, unavoidable may continue for long distances between pools, t to reach. At the high end of the scale, several of re dangerous, and rescue is often difficult even for

rate: ime:	Turne	Single Flow rs Falls Hydroel Boating Demo		ct, FERC No. 18	89		
ame: Brian	n Pytko						
. Please indicate	which flow re	lease this surve	y correspon	i ds to. (Check o	ine)		
💢 500 cfs		□ 670 cfs		900 cfs	🗖 Oth	ner:	
HI							
. Did you load yo	our boat with a	ear or other w	eights for th	is run? 🛛 Ye	s 🔽 No		
	Sur Doat with g	bear of other we			~		
		- L		_			
. Put-in location	for this run: 🎾	💶 Put-In #1 (at	fish ladder)	🛛 Put-In #	2 (below Pes	keomskut	: Island)
			114 ICL 11		-ka Out #2 (C	abot Wor	adc)
. Take-out locati . Channel taken			ite "left" & '	'right" r <mark>ef</mark> er to	direction faci	ng downs	.tream.)
. Channel taken	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right	te "left" & ' □ Fai □ Fai	'right" refer to r Right [direction faci	ng downs 1 below is	tream.) land)
. Channel taken Left . Channel taken Left (Rock D	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right	ite "left" & ' □ Fa □ Fa	'right" refer to r Right [r Right [direction faci N/A (put ir N/A (took o	ng downs n below is ut above	tream.) land) island)
. Channel taken ↓ Left □ . Channel taken ↓ Left (Rock D . Please evaluate	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right	ite "left" & ' □ Fa □ Fa	'right" refer to r Right [r Right [direction faci N/A (put ir N/A (took o	ng downs n below is ut above	tream.) land) island)
. Channel taken Left . Channel taken Left (Rock D	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right	ite "left" & ' □ Fa □ Fa	'right" refer to r Right [r Right [direction faci ¬ N/A (put ir N/A (took o	ng downs n below is ut above characte	tream.) land) island)
. Channel taken ↓ Left □ . Channel taken ↓ Left (Rock D . Please evaluate	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right Center Right your watercraft horacteristic.)	The "left" & ' Fail 1 - 5/e 1 - 5/e t and skill let	right" refer to r Right □ r Right □ vel for each of	direction faci ¬ N/A (put ir N/A (took o	ng downs n below is ut above characte	tream.) land) island) ristics.
. Channel taken ↓ Left □ . Channel taken ↓ Left (Rock D . Please evaluate	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right	ite "left" & ' □ Fa □ Fa	'right" refer to r Right [r Right [direction faci I N/A (put ir N/A (took o the following	ng downs n below is ut above characte If unacc was Too	tream.) land) island) ristics. reptable, flow: Too
. Channel taken ↓ Left □ . Channel taken ↓ Left (Rock D . Please evaluate	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right Center Right your watercraft haracteristic.)	The "left" & ' Fail 1 - 5/e 1 - 5/e t and skill let	right" refer to r Right □ r Right □ vel for each of	direction faci N/A (put ir N/A (took o the following Totally	ng downs n below is ut above characte lf unacc was Too low	tream.) land) island) ristics. eptable, flow:
 Channel taken ✓ Left Channel taken ✓ Left (Rock D Please evaluate (Circle one num) 	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right Center Right your watercraft haracteristic.)	The "left" & ' Fail 1 - 5/e 1 - 5/e t and skill let	right" refer to r Right □ r Right □ vel for each of	direction faci N/A (put ir N/A (took o the following Totally acceptable 2	ng downs n below is ut above characte If unacc was Too low	tream.) land) island) ristics. reptable, flow: Too
 Channel taken ✓ Left Channel taken ✓ Left (Rock D Please evaluate (Circle one num) Navigability 	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right Center Right your watercraft haracteristic.)	The "left" & ' Fail Fail Fail Fail Fail Fail Fail Fail	'right" refer to r Right [r Right [vel for each of Acceptable	direction faci N/A (put ir N/A (took o the following Totally acceptable	ng downs n below is ut above characte If unacc was Too low	tream.) land) island) ristics. reptable, flow: Too
. Channel taken ↓ Left □ . Channel taken ↓ Left (Rock D . Please evaluate	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right Center Right your watercraft horacteristic.)	te "left" & ' Fail Fail $f = \frac{1}{2} $	'right" refer to r Right [r Right [vel for each of Acceptable 1	direction faci N/A (put ir N/A (took o the following Totally acceptable 2	ng downs n below is ut above characte If unacc was Too low	tream.) land) island) ristics. reptable, flow: Too
 Channel taken Left Channel taken Channel taken Left (Rock D 	past Peskeoms Center Right (past Rawson Is am)	skut Island: (No deep chute) sland: Center Right Center Right your watercraft haracteristic.)	ete "left" & ' Fai Fai Fai fai fai fai fai fai fai fai fai fai f	'right" refer to r Right I r Right I vel for each of Acceptable 1 1	direction faci N/A (put ir N/A (took o the following Totally acceptable 2 2 2	ng downs n below is ut above characte If unacc was Too low	tream.) land) island) ristics. reptable, flow: Too

-		Difficulty		Loc	ation in Bypass
(Conter Chan is un passible	nelat R	awson Isla	al lans	- Island
-	15 UN Da55-5/	e. Roch	ledge out at	1	
	the water				
				((#))	
i la c					
9.	Are you likely to ret	urn for future bo	ating along this reach	at <u>this</u> flow? (Chec	ck one)
	A Definitely not	🗆 Pos		Probably	
				riobably	Definitely yes
	This flow rates as Cl.	at <u>this</u> flow? (If a	ppropriate, provide a	range of classificat	
11	What skill level do y	ou think a paddle	r needs to safely pad	dle the bypass at <u>tl</u>	his flow? (Check one)
	Beginner	□ Novice	Untermediate	Advanced	Expert
12	. Please provide any a	dditional comme	ents about <u>this</u> flow b	elow.	
	Filmer		and the second		
		11/er	e i i id	1 th	e around
	Novice	Padarci	s woold	Struggl	e acound
	Peskeom	shut			
Inte	ernational Whitewater Scale				
•	Class I – Fast moving water w s slight; self-rescue is easy.	ith riffles and small wav	es. Few obstructions, all obvi	ous and easily missed with	little training. Risk to swimmers
•	Class II – Straightforward rap out rocks and medium-sized s seidom needed.	pids with wide, clear ch waves are easily missed	annels which are evident with by trained paddlers. Swimm	nout scouting. Occasiona ers are seldom injured an	I maneuvering may be required, I group assistance, while helpful
•	Class III – Rapids with moder	ate, irregular waves whi	ch may be difficult to avoid, a	nd which can swamp an o	pen canoe. Complex maneuvers

- A fast current and good boat control in tight passages or around ledges are often required; large waves or strainers may be present but are easily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. Scouting is advisable for inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long avvints.
- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the
 river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure: A fast, reliable
 eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting
 may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.
 Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable
 waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools,
 demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of
 these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for
 experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	Turne	rs Falls Hydroel Boating Demo		ct, FERC No. 18	89		
Date:	121						
Time:	Run 11-10	51					
Name: Brian	T PYTHO						
1. Please indicate	e which flow re	lease this surve	y correspon	ds to. (Check o	ne)		
☐ 500 cfs		₩ 670 cfs # 2		☐ 900 cfs	🛛 Oth	ier:	
2. Did you load y	our boat with g	用 し gear or other we		is run? 🛛 Yes			
		4	6 I I I I I		2 /halaw Dock	oomskut	Island)
3. Put-in location	for this run:	Put-In #1 (at	fish ladder)	🗀 Put-in #	Z (Delow Pesk	Comskut	isianay
4. Take-out locat	ion for this run	: 🖵 Take-Out	#1 (Station)	NO. 1) 9	ike-Out #2 (Ca	abbt 1100	JU 57
		skut Island: (No deep chute)	te "left" & " □ Fai		direction facir		
	past Peskeom						
	Center Right (deep chute)					
🗆 Left 🛛	Center Right (past Rawson I	deep chute)	🗆 Fai	r Right E		below is	land)
Left 56. Channel taken	Center Right (past Rawson I Dam)	deep chute) sland: Center Right	□ Fai □ Fai nuble_	r Right [אאר (put in N/A (took סו	below is ut above i	land) island)
Left . Channel taken	Center Right (past Rawson I Dam)	deep chute) sland: Center Right Un cond your watercraft	□ Fai □ Fai nuble_	r Right [אאר (put in N/A (took סו	below is ut above i	land) island)
Left . Channel taken	Center Right (past Rawson I Dam)	deep chute) sland: Center Right Un cond your watercraft	□ Fai □ Fai nuble_	r Right [] N/A (put in N/A (took ou the following	below is ut above characte	land) island) ristics. eptable,
Left . Channel taken	Center Right (past Rawson I Dam)	deep chute) sland: Center Right Un cond your watercraft	□ Fai □ Fai nuble_	r Right [אאר (put in N/A (took סו	below is ut above characte	land) island)
Left . Channel taken	Center Right (past Rawson I Dam)	deep chute) sland: Center Right Marcan your watercraft haracteristic.)	Far	r Right C] N/A (put in N/A (took ou the following Totally	below is ut above i characte If unacc was	land) island) ristics. eptable, flow:
Left Channel taken Left (Rock E 7. Please evaluat	Center Right (past Rawson I Dam)	deep chute) sland: Center Right Marcan your watercraft haracteristic.)	Far	r Right C r Right C vel for each of Acceptable	N/A (put in N/A (took ou the following Totally acceptable	below is ut above i characte If unacc was <i>Too</i>	land) island) ristics. eptable, flow: <i>Too</i>
 Left Channel taken Left (Rock E Left (Rock E Please evaluat (Circle one nui) 	Center Right (past Rawson I Dam)	deep chute) sland: Center Right Marcan your watercraft haracteristic.)	Far Far Far Far Far Neutral	r Right C	N/A (put in N/A (took ou the following Totally acceptable 2 2	below is ut above i characte If unacc was <i>Too</i>	land) island) ristics. eptable, flow: <i>Too</i>
 Left Channel taken Channel taken Left (Rock D Left (Rock D Circle one nur Circle one nur 	Center Right (past Rawson I Dam)	deep chute) sland: Center Right Marcan your watercraft haracteristic.)	Fai Fai nuble t and skill lev Neutral	r Right C r Right C vel for each of Acceptable	N/A (put in N/A (took ou the following Totally acceptable	below is ut above i characte If unacc was <i>Too</i>	land) island) ristics. eptable, flow: <i>Too</i>
 Left Channel taken Left (Rock E Please evaluat (Circle one nur Navigability Safety 	Center Right (past Rawson I Dam)	deep chute) sland: Center Right Marcan your watercraft haracteristic.)	Fai Fai nuble t and skill lev Neutral 0 0	r Right C vel for each of Acceptable	N/A (put in N/A (took ou the following Totally acceptable 2 2	below is ut above i characte If unacc was <i>Too</i>	land) island) ristics. eptable, flow: <i>Too</i>

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

-2

No. of times: _

	Difficulty		Loca	tion in Bypass
No notica	ble differ	ence		
from 5	ble differ			
			1.	T
				1
9. Are you likely to ret	turn for future boating a	long this reach a	t <u>this</u> flow? (Check	Of the second
Definitely not	Possibly	_	Probably	Definitely yes
This flow rates as Cl		iate, provide a ro	inge of clossificatio	ons for <u>this</u> flow.)
II. What skill level do y	ou think a paddler need	s to safely paddl	e the bypass at <u>thi</u>	<u>s</u> flow? (Check one)
Beginner	Novice 🖾	ntermediate	Advanced	Expert
12. Please provide any a Very Cas 15t (apid	additional comments abo y to get 1,			- channel
International Whitewater Scale				
 Class I – Fast moving water v slight; self-rescue is easy. 	vith riffles and small waves. Few o	bstructions, all obvious	s and easily missed with li	ttle training. Risk to swimmers
 Class II – Straightforward ra out rocks and medium-sized is soldom needed. 	pids with wide, clear channels wh waves are easily missed by traine	iich are evident withou d paddlers. Swimmers	ut scouting. Occasional r are seldom injured and g	naneuvering may be required, groue assistance, while helpful
easily avoided. Strong eddi	ate, irregular waves which may be t control in tight passages or arou es and powerful current effects ies while swimming are rare; sel	rid ledges are often rei can be found particul	quired; large waves or str	ainers may be present but are
eddy turn may be needed to i may be necessary the first tir	but predictable rapids requiring (navoidable waves and holes or cor initiate maneuvers, scout rapids, o me down. Risk of injury to swimm is often essential but requires pra	or rest. Rapids may requers is moderate to him	uire "must" moves above	nder pressure. A fast, reliable dangerous hazards. Scouting

Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable
waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools,
demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of
these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for
experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

Single Flow Evaluation Form Turners Falls Hydroelectric Project, FERC No. 1889 Boating Demonstration Flow Study
Date: 11/21 Time: 3rd Run Name: Brin Pytho
1. Please indicate which flow release this survey corresponds to. (<i>Check one</i>) □ 500 cfs □ 0 ther: □ 0 ther:
2. Did you load your boat with gear or other weights for this run? 🛛 Yes 🙀 No
3. Put-in location for this run: Sput-In #1 (at fish ladder) Dut-In #2 (below Peskeomskut Island)
4. Take-out location for this run: 🔲 Take-Out #1 (Station No. 1) 🛛 📈 Take-Out #2 (Cabot Woods)
5. Channel taken past Peskeomskut Island: (<i>Note "left" & "right" refer to direction facing downstream.</i>)
6. Channel taken past Rawson Island: Left (Rock Dam) Center Right Far Right N/A (took out above island)
 □ 500 cfs □ 670 cfs ○ 900 cfs ○ Other:?#3 2. Did you load your boat with gear or other weights for this run? □ Yes No 3. Put-in location for this run: □ Put-In #1 (at fish ladder) □ Put-In #2 (below Peskeomskut Island) 4. Take-out location for this run: □ Take-Out #1 (Station No. 1) ○ Take-Out #2 (Cabot Woods) 5. Channel taken past Peskeomskut Island: (<i>Note "left" & "right" refer to direction facing downstreom.</i>) □ Left □ Center Right (deep chute) ○ Far Right ○ N/A (put in below island) 6. Channel taken past Rawson Island:

7. Please evaluate this flow for your watercraft and skill level for each of the following characteristics (Circle one humber for each characteristic.)

	Totally				Totally	If unacceptable was flow:	
	unacceptable	ble Unacceptable Neutral	Neutral	Acceptable	acceptable	Too low	Too high
Navigability	-2	-1	Õ	1	2		
Safety	-2	-1	3	1	2		
Ease of put-in	-2	(1)	0	1	2		
Scrapes/bumps No. of times:	-2	-1	6	1	2	10.00	
Portages ¹ No. of times:	-2	-1	0	(1)	2		

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

8.	Did you experience any difficulties during your run at this flow (e.g., stuck on obstacles, had to
	portage, etc.)? Provide a brief description and location of any difficulty.

1 mm	Difficulty		Location in Bypass
Are you likely to ret	turn for future boating alc	ong this reach at <u>this</u> flo	w? (Check one)
Definitely not	Results Possibly	Probably	
This flow rates as Cl	at <u>this</u> flow? (If approprie lass:	nte, provide a range of c	would you rate the whitewater lassifications for <u>this</u> flaw.)
Beginner	10	to safely paddle the by Itermediate	pass at <u>this</u> flow? (Check one)
Please provide any a	additional comments abo	ut <u>this</u> flow below.	
lot great b	sr far bette	er than the	Am runs. Still
not approp	iate for be	ginners, 07	he rapid thes are level, 1st rapid is a road
national Whitewater Scale	Marine 12 (110	AT AMS	revel, 1 lapir is a load
	vith riffles and small waves. Few ob	structions, all obvious and easily	missed with little training. Risk to swimmers
Class II – Straightforward ra but rocks and medium-sized o seldom needed.	pids with wide, clear channels whic waves are easily missed by trained	ch are evident without scouting. paddlers. Swimmers are seldon	Occasional maneuvering may be required, n injured and group assistance, while helpful
easily avoided. Strong eddi	ies and powerful current effects ca	d ledges are often required; larg	swamp an open cance. Complex maneuvers e waves or strainers may be present but are ge-volume rivers. Scouting is advisable for p assistance may be required to avoid long
addy turn may be needed to may be necessary the first tin	initiate maneuvers, scout rapids, or	rest. Rapids may require "must"	water. Depending on the character of the maneuvers under pressure. A fast, reliable moves above dangerous hazards. Scouting ir conditions may make self-rescue difficult. is highly recommended
Class V – Extremely long, ob Aaves and holes or steep, c demanding a high level of fit these factors may be combin	structed, or very violent rapids wh congested chutes with complex de ness. What eddies exist may be sn	ich expose a paddler to added i manding routes. Rapids may c nall, turbulent, or difficult to rea may be difficult. Swims are dance	isk. Drops may contain large, unavoidable ontinue for long distances between pools, ch. At the high end of the scale, several of

Turners Falls Hydroelectric Project (No. 1889)

ě.

		Cincle Flav		n Form			
	Turne	Single Flov ers Falls Hydroel			389		
	Turne	Boating Demo					
	12						
Date:	10						
Time:	st Kun	3:30					
Name:	Ria	Potto					
	Pro						
1. Please indicat	te which flow re	lease this surve	ey correspor	nds to. (Check o	one)		
500 cf		🗖 670 cfs	-	900 cfs	_	ner:	
7 0000							
			- t_lan £ + l-				
2. Did you load	, your boat with ध	gear or other W	eignus for th				
	n for this run:			🗖 Put-In #			
5. Channel take	tion for this run n past Peskeom Center Right (n past Rawson I	n: DTake-Out skut Island: (No (deep chute)	#1 (Station hte "left" & '	Put-In # No. 1) Ta 'right" refer to r Right	ake-Out #2 (C	abot Woo ng downs 1 below is	ods) stream.) :land)
4. Take-out loca 5. Channel take □ Left 6. Channel take □ Left (Rock	ition for this run n past Peskeom Center Right (n past Rawson I Dam)	n: Arake-Out skut Island: (No (deep chute) sland: Center Right	#1 (Station ote "left" & ' Fa Fa	Put-In # No. 1) Ta 'right" refer to r Right r Right	ake-Out #2 (Ca direction facional N/A (put in N/A (took of	abot Woo ng downs n below is ut above	ods) stream.) iland) island)
 Take-out loca Channel take Left Channel take Channel take Left (Rock Please evalua 	ition for this run n past Peskeom Center Right (n past Rawson I Dam)	n: Arake-Out skut Island: (No (deep chute) sland: Center Right your watercraft	#1 (Station ote "left" & ' Fa Fa	Put-In # No. 1) Ta 'right" refer to r Right r Right	ake-Out #2 (Ca direction facional N/A (put in N/A (took of	abot Woo ng downs n below is ut above	ods) stream.) iland) island)
 Take-out loca Channel take Left Channel take Channel take Left (Rock Please evalua 	n past Peskeom Center Right (n past Rawson I Dam)	n: Arake-Out skut Island: (No (deep chute) sland: Center Right your watercraft	#1 (Station ote "left" & ' Fa Fa	□ Put-In # No. 1) □ Ta 'right'' refer to r Right [r Right [vel for each of	ake-Out #2 (Ca direction facio N/A (put in N/A (took ou the following	abot Woo ng downs below is ut above characte	ods) stream.) iland) island) eristics.
 Take-out loca Channel take Left Channel take Channel take Left (Rock Please evalua 	ition for this run n past Peskeom Center Right (n past Rawson I Dam)	n: Arake-Out skut Island: (No (deep chute) sland: Center Right your watercraft	#1 (Station ote "left" & ' Fa Fa	Put-In # No. 1) Ta 'right" refer to r Right r Right	ake-Out #2 (Ca direction facional N/A (put in N/A (took of	abot Woo ng downs below is ut above characte If unacc was <i>Too</i>	ods) stream.) iland) island) eristics. septable, flow: Too
 Take-out loca Channel take Left Channel take Channel take Left (Rock Please evalua (Circle one null) 	ition for this run n past Peskeom Center Right (n past Rawson I Dam)	n: Arake-Out skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable	#1 (Station ote "left" & '	□ Put-In # No. 1) □ Ta 'right'' refer to r Right [r Right [vel for each of	ake-Out #2 (Ca direction facio N/A (put in N/A (took of the following Totally	abot Woo ng downs below is ut above characte If unacc was	ods) stream.) land) island) ristics. septable, flow:
 Take-out loca Channel take Left Channel take Channel take Left (Rock Please evalua 	ition for this run n past Peskeom Center Right (n past Rawson I Dam)	n: Arake-Out skut Island: (No (deep chute) sland: Center Right your watercraft	#1 (Station ote "left" & ' Fa Fa t and skill le Neutral	□ Put-In # No. 1) □ Ta 'right'' refer to r Right □ r Right ↓ vel for each of Acceptable	ake-Out #2 (Ca direction facin N/A (put in N/A (took ou the following Totally acceptable	abot Woo ng downs below is ut above characte If unacc was <i>Too</i>	ods) stream.) iland) island) eristics. septable, flow: Too

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

Î

(-1)

-2

-2

Scrapes/bumps

Portages¹

No. of times: 10

No. of times: 🧕

0

0

1

1

2

2

-	Difficul	ty		Loca	tion in Bypass
					5/18 mar
-					
				1 1 1 2	and see the
9.	Are you likely to return for future	e boating along t	his reach at	this flow? (Check	(one)
	Q Definitely not	Possibly	D F	Probably	Definitely yes
10). Based on the International Whit difficulty of the run at <u>this</u> flow?	ewater Scale (de (If appropriate, p	efined below provide a ra	w), how would yc nge of classificati	ou rate the whitewater ons for <u>this</u> flow.)
	This flow rates as Class:				
11	What skill level do you think a pa	ddler needs to sa	afelv naddle	the hypass at th	is flow? (Chack and)
			arciy pudun	. the bypass at <u>m</u>	is now : (check one)
	Beginner Novice	🗖 Intern	nediate	Advanced	Expert
12	. Please provide any additional cor	nments about th	is flow belo)\//	
	All levels to de	y wei	re to	0 1000.	600 cfs.
	All levels to de Was close.	670 1	Nosid	be sou	I to try.
Inte	ernational Whitewater Scale				
•	Class I – Fast moving water with riffles and sma is slight; self-rescue is easy.	ill waves. Few obstruct	ions, all obvious	and easily missed with l	ittle training. Risk to swimmers
•	Class II – Straightforward rapids with wide, cle but rocks and medium-sized waves are easily r is seldom needed.	ear channels which are nissed by trained paddl	evident withou lers. Swimmers	ut scouting. Occasional are seldom injured and	maneuvering may be required, group assistance, while helpful
•	Class III - Rapids with moderate, irregular wav	es which may be difficu	It to avoid, and	which can swamp an op	en canoe. Complex maneuvers

- Crass III Rapids with moderate, irregular waves which may be difficult to avoid, and which can swamp an open cance. Complex maneuvers
 in fast current and good boat control in tight passages or around ledges are often required; large waves or strainers may be present but are
 easily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. Scouting is advisable for
 inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long
 swims.
- Class IV Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the
 river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable
 eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting
 may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.
 Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
- Class V Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

Name: <u>Paul</u>	Jahnig	Boating Demo					
Time: <u>10 a m</u> Name: <u>P201 a</u>	Jahnig	e					
Name: Paul .	Jahnig	L					
1. Please indicate wh		<u> </u>					
L. Please indicate wh							
	hich flow re	lease this surve	y correspon	ds to. (Check o	ne)		
500 cfs					🗖 Oth	er:	
#1				1			
2. Did you load your	boat with g	gear or other we	eights for th	is run? 🗹 Yes	No		
Bid jou load jour		/	. H	(Some)		
3. Put-in location for	this run [But In #1 (at	fish ladder)	🗖 Put-In #	2 (below Pesk	eomskut	Island)
•. Put-in location for	this run. 🖻		Instituduery		_ (,
I. Take-out location					ko Out #2 (C	hot W/oc	nds)
I. Take-out location	for this run	: 🗀 Take-Out	#1 (Station	NO. 1) 🖆 Ta	Ke-Out #2 (Ca		Ju3)
Channel taken pag						,	/
channel taken pa	st Peskeom	skut Island: (No	te "left" & "	'right" refer to	direction facir	ng downs	tream.)
		skut Island: (No (deep chute)	te "left" & " Fai	'right" refer to r Right [direction facir	ng downs below is	tream.) land)
			te "left" & "	'right" refer to r Right [direction facir] N/A (put in	ng downs below is	tream.) land)
🗆 Left 🛛 Ce	enter Right (deep chute)	🗹 Fai	r Right D] N/A (put in	below is	land)
Left Ce	enter Right (st Rawson Is	deep chute) sland:	🗹 Fai	r Right D] N/A (put in	below is	land)
🗆 Left 🛛 Ce	enter Right (st Rawson Is	deep chute) sland:	🗹 Fai	'right" refer to r Right □ r Right □] N/A (put in	below is	land)
Left Ce 5. Channel taken pas Left (Rock Dam	enter Right (st Rawson I:	deep chute) sland: Center Right	E Fai	r Right 🛛	N/A (put in	below is ut above	land) island)
Left Ce 6. Channel taken pas Left (Rock Dam 7. Please evaluate th	enter Right (st Rawson I:) nis flow for 1	(deep chute) sland: Center Right your watercraft	E Fai	r Right 🛛	N/A (put in	below is ut above	land) island)
Left Ce 5. Channel taken pas	enter Right (st Rawson I:) nis flow for 1	(deep chute) sland: Center Right your watercraft	E Fai	r Right 🛛	N/A (put in	below is ut above characte	land) island)
 Left Ce Channel taken pase Left (Rock Dam Please evaluate the 	enter Right (st Rawson I:) nis flow for 1	'deep chute) sland: Center Right your watercraft haracteristic.)	Far Far Far t and skill lev	r Right C] N/A (put in N/A (took ou the following Totally	below is ut above characte If unacc was	land) island) ristics. eptable, flow:
 Left Channel taken pase Left (Rock Dam Please evaluate the (Circle one number) 	enter Right (st Rawson I: a) nis flow for the for each c	(deep chute) sland: Center Right your watercraft	E Fai	r Right 🛛	N/A (put in N/A (took ou	below is ut above characte If unacc was <i>Too</i>	land) island) ristics. eptable, flow: <i>Too</i>
 Left Ce Channel taken pase Left (Rock Dam Please evaluate the (Circle one number) 	enter Right (st Rawson I: a) his flow for er for each c Totally nacceptable	ideep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	Far Far Far Far Far Far Far Far Far Far	r Right C	N/A (put in N/A (took ou the following Totally acceptable	below is ut above characte If unacc was	land) island) ristics. eptable, flow:
 Left Channel taken pase Left (Rock Dame) Please evaluate the (Circle one numbe) Navigability 	enter Right (st Rawson I: a) his flow for t er for each c Totally macceptable -2	(deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	Far Far Far Far Far Far Far Far Far Far	r Right C	N/A (put in N/A (took ou the following Totally acceptable	below is ut above characte If unacc was Too low	land) island) ristics. eptable, flow: <i>Too</i>
 Left Ce Channel taken pase Left (Rock Dame) Please evaluate the (Circle one numbe) Navigability Safety 	enter Right (st Rawson I: a) is flow for er for each c Totally macceptable -2 -2 -2	(deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	Far Far Far Far Far Far Far Far Far Far	r Right C	N/A (put in N/A (took ou the following Totally acceptable	below is ut above characte If unacc was Too low	land) island) ristics. eptable, flow: <i>Too</i>
 □ Left □ Ce Channel taken pase □ Left (Rock Dam 7. Please evaluate the (Circle one number) Navigability Safety Ease of put-in 	enter Right (st Rawson I: a) his flow for t er for each c Totally macceptable -2	(deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	Fai Fai Fai Fai Fai Fai Fai Fai Fai	r Right C	N/A (put in N/A (took ou the following Totally acceptable 2 2 2 2	below is ut above characte If unacc was Too low	land) island) ristics. eptable, flow: <i>Too</i>
 Left Ce Channel taken pase Left (Rock Dame) Please evaluate the (Circle one numbe) Navigability Safety 	enter Right (st Rawson I: a) is flow for er for each c Totally macceptable -2 -2 -2	(deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	Far Far Far Far Far Far Far Far Far Far	r Right C	N/A (put in N/A (took ou the following Totally acceptable 2 2	below is ut above characte If unacc was Too low	land) island) ristics. eptable, flow: <i>Too</i>
 □ Left □ Ce Channel taken pase □ Left (Rock Dam 7. Please evaluate the (Circle one number) wavigability Safety Ease of put-in Scrapes/bumps 	enter Right (st Rawson I: a) is flow for the for each of Totally macceptable -2 -2 -2 -2	(deep chute) sland: Center Right your watercraft haracteristic.) Unacceptable	Fai Fai Fai Fai Fai Fai Fai Fai Fai	r Right C	N/A (put in N/A (took ou the following Totally acceptable 2 2 2 2	below is ut above characte If unacc was Too low	land) island) ristics. eptable, flow: <i>Too</i>

-	Difficulty	L	ocation in Bypass
	Stuck		For Right
0	Aro you likely to return for for the standard standard		
9.	Are you likely to return for future boating along this reach at this	s flow? (Ch	eck one)
	Definitely not Definitely Prob	ably	Definitely yes
10	0. Based on the International Whitewater Scale (defined below), h	how would	you rate the whitewater
	difficulty of the run at <u>this</u> flow? (<i>If appropriate, provide a range</i>)	of classific	ations for <u>this</u> flow.)
	This flow rates as Class:		
11	1. What skill loval do you think a notification of the second		
11	 What skill level do you think a paddler needs to safely paddle the 	e bypass at	this flow? (Check one)
	🗆 Beginner 🛛 Novice 🔀 Intermediate 🗌	Advanced	I 🛛 Expert
12	2. Please provide any additional comments about this flow below.		
	Upper for Right was boney	, T	
	HALL (I'	, 100	Low To
	"Marigate" successfully for	a No	vice
	Rest was OK. Right of	Barrie	
Inte	ernational Whitewater Scale	Raws	on, or.
•	Class I – Fast moving water with riffles and small waves. Few obstructions, all obvious and e is slight; self-rescue is easy.	easily missed w	th little training. Risk to swimmers
•	Class II – Straightforward rapids with wide, clear channels which are evident without scot but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are se is seldom needed.	uting. Occasion eldom injured a	nal maneuvering may be required, Ind group assistance, while helpful
•	Class III – Rapids with moderate, irregular waves which may be difficult to avoid and which		
	in fast current and good boat control in tight passages or around ledges are often required easily avoided. Strong eddies and powerful current effects can be found, particularly or inexperienced parties. Injuries while swimping are near set another set and the set of the s	. Its second in a summer sum of the	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but swims.	group assistan	ce may be required to avoid long
•	Class IV – Intense, powerful but predictable rapids requiring precise heat handling in turb	ulent water. D	epending on the character of the
	eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "r	g fast maneuve must" moves al	ers under pressure. A fast, reliable
	may be necessary the first time down. Risk of injury to swimmers is moderate to high, and Group assistance for rescue is often essential but requires practiced skills. A strong eskimo	water conditie	no non-la la l
	Wall the hardward the 20		

Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable
waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools,
demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of
these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for
experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	Turne	single Flow rs Falls Hydroel Boating Demo		ct, FERC No. 18	89		
Date: 11/9/	15					ŭ	
Time: 17: 30	9						
Time: <u>17:30</u> Name: <u>Ра</u> и	1 Jah	nig					
1. Please indicate	which flow re	lease this surve	ey correspon	ds to. (Check c	ne)		
□ 500 cfs		670 cfs		🛛 900 cfs	🛛 Oth	ner:	
		54		0.00			
2. Did you load yo	our boat with g	gear or other w	eights for th	is run? 🛱 Ye	s 🗖 No		
				Coul			
3. Put-in location	for this run.	Put-In #1 (at	fish ladder)	🔲 Put-In #	2 (below Pest	eomskut	: Island)
s. Put-in location	Tor this run.						
4. Take-out locati	on for this run						
+. Take-out locati	ion for this run	: 🗆 Take-Out	#1 (Station	No. 1) 🛛 🗖 Ta	ike-Out #2 (Ca	abot Woo	ods)
				,			
5. Channel taken	past Peskeom	skut Island: (No	ote "left" & "	'right" refer to	direction facil	ng downs	tream.)
5. Channel taken		skut Island: (No	ote "left" & "	,	direction facil	ng downs	tream.)
5. Channel taken	past Peskeom Center Right (skut Island: (No deep chute)	ote "left" & "	'right" refer to	direction facil	ng downs	tream.)
5. Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute) sland:	ote "left" & " D Fai	right" refer to	direction facin	ng downs below is	:tream.) land)
5. Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No deep chute)	ote "left" & " D Fai	right" refer to	direction facil	ng downs below is	:tream.) land)
 Channel taken Left Channel taken Left (Rock D 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right	ote "left" & " P Fai Fai	right" refer to	direction facin IN/A (put in N/A (took of	ng downs below is ut above	:tream.) land) island)
 Channel taken Left Channel taken Left (Rock D Please evaluate 	past Peskeom Center Right (past Rawson I am) = this flow for	skut Island: (No (deep chute) sland: Center Right your watercraf	ote "left" & " P Fai Fai	right" refer to	direction facin IN/A (put in N/A (took of	ng downs below is ut above	:tream.) land) island)
 Channel taken Left Channel taken Left (Rock D 	past Peskeom Center Right (past Rawson I am) = this flow for	skut Island: (No (deep chute) sland: Center Right your watercraf	ote "left" & " P Fai Fai	right" refer to	direction facin IN/A (put in N/A (took of	ng downs below is ut above characte	:tream.) land) island) ristics.
 Channel taken Left Channel taken Left (Rock D Please evaluate 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraf	ote "left" & " Fai Fai t and skill lev	r Right refer to	direction facin IN/A (put in N/A (took of	ng downs below is ut above characte	:tream.) land) island)
 Channel taken Left Channel taken Left (Rock D Please evaluate 	past Peskeom Center Right (past Rawson I am) = this flow for	skut Island: (No (deep chute) sland: Center Right your watercraf	ote "left" & " P Fai Fai	right" refer to	direction facin N/A (put in N/A (took on the following	ng downs below is ut above characte If unacc was Too	island) ristics. reptable, flow: Too
 Channel taken Left Channel taken Left (Rock D Please evaluate (Circle one num) 	past Peskeom Center Right (past Rawson I am)	skut Island: (No Geep chute) sland: Center Right your watercraf horacteristic.) Unacceptable	ote "left" & " Fai Fai t and skill lev	r Right r Right vel for each of	direction facin N/A (put in N/A (took of the following Totally acceptable	ng downs below is ut above characte If unacc was Too low	itream.) land) island) ristics. eptable, flow:
 Channel taken Left Channel taken Left (Rock D Please evaluate (Circle one num Navigability 	past Peskeom Center Right (past Rawson I am) e this flow for ber for each c Totally unacceptable -2	skut Island: (No (deep chute) sland: Center Right your watercraf horacteristic.) Unacceptable	ote "left" & " The Fail t and skill lev Neutral	r Right r Right vel for each of	direction facin N/A (put in N/A (took of the following Totally acceptable 2	ng downs below is ut above characte If unacc was Too	island) ristics. reptable, flow: Too
 Channel taken Left Channel taken Left (Rock D Please evaluate (Circle one nun Navigability Safety 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft horacteristic.) Unacceptable	ote "left" & " The Fail The The The The The The The The The The	right" refer to Right [r Right [vel for each of Acceptable 1	direction facin N/A (put in N/A (took of the following Totally acceptable	ng downs below is ut above characte If unacc was Too low	island) ristics. reptable, flow: Too
 Channel taken Left Channel taken Left (Rock D Please evaluate (Circle one num) Navigability 	past Peskeom Center Right (past Rawson I am) e this flow for ber for each c Totally unacceptable -2	skut Island: (No (deep chute) sland: Center Right your watercraf horacteristic.) Unacceptable	ote "left" & " The Fail t and skill lev Neutral	r Right r Right vel for each of	direction facin N/A (put in N/A (took of the following Totally acceptable 2 2 2	ng downs below is ut above characte If unacc was Too low	island) ristics. reptable, flow: Too

¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle. $\int 5 \pi c K$

	Difficulty		Location in Bypass
	stuck upper far	Right -	
9	Are you likely to return for future boating alon	g this reach at <u>this</u> flow?	(Check one)
	Definitely not Definitely not Definitely not	Probably	
10	D. Based on the International Whitewater Scale difficulty of the run at <u>this</u> flow? (If appropriate This flow rates as Class:	(defined below), how wo e, provide a range of clas.	ould you rate the whitewater aifications for <u>this</u> flow.)
11	. What skill level do you think a paddler needs to	safely paddle the bypas	s at <u>this</u> flow? (Check one)
	🗆 Beginner 🗆 Novice 🕅 Inte	ermediate 🔲 Advai	nced 🛛 Expert
12	Please provide any additional comments about		-e1 as 500
Inte	ernational Whitewater Scale		
•	Class I – Fast moving water with riffles and small waves. Few obstr is slight; self-rescue is easy.		
•	Class II – Straightforward rapids with wide, clear channels which but rocks and medium-sized waves are easily missed by trained pa is seldom needed.	are evident without scouting. Oc ddlers. Swimmers are seldom inju	asional maneuvering may be required, and group assistance, while helpful
•	Class III – Rapids with moderate, irregular waves which may be diff in fast current and good boat control in tight passages or around le easily avoided. Strong eddies and powerful current effects can inexperienced parties. Injuries while swimming are rare; self-res swims.	edges are often required; large wa be found, particularly on large wa	ves or strainers may be present but are
•	Class IV – Intense, powerful but predictable rapids requiring pred river, it may feature large, unavoidable waves and holes or constri- eddy turn may be needed to initiate maneuvers, scout rapids, or re- may be necessary the first time down. Risk of injury to swimmers Group assistance for rescue is often essential but requires practice	cted passages demanding fast mai st. Rapids may require "must" mo is moderate to high, and water co	neuvers under pressure. A fast, reliable ves above dangerous hazards. Scouting
•	Class V – Extremely long, obstructed, or very violent rapids which waves and holes or steep, congested chutes with complex dema demanding a high level of fitness. What eddies exist may be smal these factors may be combined. Scouting is recommended but ma experts. A very reliable extimo roll proper covinament externs	expose a paddler to added risk. Inding routes. Rapids may contin	Drops may contain large, unavoidable nue for long distances between pools,

Turners Falls Hydroelectric Project (No. 1889)

experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

	Turne	Single Flow rs Falls Hydroel Boating Demo	ectric Proje	ct, FERC No. 18	89		
Date: 11/9/ 7	.(
Гіте: <u>1;30</u>							
Name:	1 Jah	n'ge_					
L. Please indicate	which flow re	lease this surve	y correspon	ds to. (Check d	one)		
☐ 500 cfs		☐ 670 cfs		900 cfs	🗋 Oth	ner:	
2. Did you load yo	our boat with §	gear or other we	eights for th	is run? 🛛 Ye	s 🛛 No		
3. Put-in location	for this run:	Put-In #1 (at	fish ladder)	🔲 Put-In #	2 (below Pesl	keomskut	: Island)
1 Tako out locati	on for this run	• 🗖 Take-Out	#1 (Station	No. 1)	ake-Out #2 (C	abot Woo	ods)
 Channel taken Left Channel taken Left (Rock D 	past Peskeom Center Right (past Rawson I am) ロ	skut Island: (<i>No</i> (deep chute) sland: Center Right	ite "left" & T D Fa	'right" refer to r Right [r Right [direction faci. □ N/A (put ir] N/A (took o	ng downs 1 below is ut above	:tream.) land) island)
 Channel taken Left Channel taken Left (Rock D 	past Peskeom Center Right (past Rawson I am) e this flow for	skut Island: (<i>No</i> (deep chute) sland: Center Right your watercraft	ite "left" & T D Fa	'right" refer to r Right [r Right [direction faci. □ N/A (put ir] N/A (took o	ng downs n below is ut above characte	island) ristics.
 Channel taken Left Channel taken Left (Rock D Please evaluate 	past Peskeom Center Right (past Rawson I am) e this flow for aber for each c	skut Island: (No (deep chute) sland: Center Right your watercraft	te "left" & Fa	'right" refer to r Right [r Right □ vel for each of	direction faci. □ N/A (put ir] N/A (took o	ng downs n below is ut above characte	:tream.) land) island)
 Channel taken Left Channel taken Left (Rock D Please evaluate 	past Peskeom Center Right (past Rawson I am) e this flow for	skut Island: (<i>No</i> (deep chute) sland: Center Right your watercraft	ite "left" & T D Fa	'right" refer to r Right [r Right [direction faci. N/A (put ir N/A (took o the following	ng downs n below is ut above characte If unacc was Too	island) ristics. eptable, flow: Too
 Channel taken Left Channel taken Left (Rock D Left (Rock D Please evaluate (Circle one num) 	past Peskeom Center Right (past Rawson I am) e this flow for aber for each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft	te "left" & Ta Fa Fa t and skill le Neutral	'right" refer to r Right [r Right □ vel for each of	direction faci. N/A (put ir N/A (took o the following Totally	ng downs n below is ut above characte If unacc was	island) ristics. eptable, flow:
 Channel taken Left Channel taken Left (Rock D Please evaluate (Circle one num 	past Peskeom Center Right (past Rawson I am) e this flow for aber for each of Totally unacceptable	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.)	te "left" & Fa	'right" refer to r Right [r Right [vel for each of Acceptable	direction faci. N/A (put ir N/A (took of the following Totally acceptable	ng downs n below is ut above characte If unacc was Too	island) ristics. eptable, flow: Too
 Channel taken Left Channel taken Left (Rock D Left (Rock D Please evaluate (Circle one num Navigability Safety 	past Peskeom Center Right (past Rawson I am) e this flow for aber for each of Totally unacceptable -2	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable	te "left" & T Ta Fa Fa t and skill le Neutral	'right" refer to r Right [r Right [vel for each of Acceptable	direction faci. N/A (put in N/A (took o the following Totally acceptable 2	ng downs n below is ut above characte If unacc was Too	island) ristics. eptable, flow: Too
 Channel taken Left Channel taken Left (Rock D Please evaluate (Circle one num 	past Peskeom Center Right (past Rawson I am) this flow for ber for each of Totally unacceptable -2 -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.) Unacceptable -1 -1	te "left" & Fa Fa t and skill le Neutral	'right" refer to r Right [r Right [vel for each of Acceptable	direction faci. ☐ N/A (put ir] N/A (took o the following Totally acceptable 2 2 2	ng downs n below is ut above characte If unacc was Too	island) ristics. eptable, flow: Too

-	Difficulty Location in Bypass
	Bumps upper Far Right
9.	Are you likely to return for future boating along this reach at this flow? (Check one)
	Definitely not Possibly Definitely yes
10	D. Based on the International Whitewater Scale (defined below), how would you rate the whitewater difficulty of the run at <u>this</u> flow? (If appropriate, provide a range of classifications for <u>this</u> flow.) This flow rates as Class:
11	. What skill level do you think a paddler needs to safely paddle the bypass at <u>this</u> flow? (Check one)
	🗅 Beginner 🛛 Novice 🗋 Intermediate 🗋 Advanced 🔹 Expert
12	. Please provide any additional comments about <u>this</u> flow below. I feel this was Minimum acceptable Flow,
•	ernational Whitewater Scale Class I – Fast moving water with riffles and small waves. Few obstructions, all obvious and easily missed with little training. Risk to swimmers
e	is slight; self-rescue is easy. Class II – Straightforward rapids with wide, clear channels which are evident without scouting. Occasional maneuvering may be required, but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are seldom injured and group assistance, while helpful is seldom needed.
•	Class III – Rapids with moderate, irregular waves which may be difficult to avoid, and which can swamp an open canoe. Complex maneuvers in fast current and good boat control in tight passages or around ledges are often required; large waves or strainers may be present but are easily avoided. Strong eddies and powerful current effects can be found, particularly on large-volume rivers. Scouting is advisable for inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, but group assistance may be required to avoid long swims.
•	Class IV – Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depending on the character of the river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. A fast, reliable eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above dangerous hazards. Scouting may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.

Group assistance for rescue is often essential but requires practiced skills. A strong eskimo roll is highly recommended.
 Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable waves and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long distances between pools, demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of these factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for experts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

pate: $\frac{1/9/21}{1 \text{ ime: } 3 \text{ p.m.}}$ Time: $\frac{3 \text{ p.m.}}{2 \text{ a.m.}}$ The end of the set of the survey corresponds to. (Check one) $\frac{9}{100000000000000000000000000000000000$		5	Single Flow rs Falls Hydroel Boating Demo	ectric Proje	ct, FERC No. 18	89		
Name: $Paul Jahnigc$ Please indicate which flow release this survey corresponds to. (Check one) $y Th$ $0 0 cfs$ $0 0 0 cfs$ $0 0 0 cfs$ $0 0 0 cfs$ 2 Did you load your boat with gear or other weights for this run? $1 Ves$ No 2 Did you load your boat with gear or other weights for this run? $1 Ves$ No 3 Put-in location for this run: $1 Put-In #1$ (at fish ladder) $Put-In #2$ (below Peskeomskut Island) 4. Take-out location for this run: $1 Take-Out #1$ (Station No. 1) $1 Take-Out #2$ (Cabot Woods) 5. Channel taken past Peskeomskut Island: $(Note "left" & "right" refer to direction facing downstream.)$ $ Left Center Right (deep chute) 1 Far Right N/A (took out above island) 5. Channel taken past Rawson Island: Far Right Far Right N/A (took out above island) 6. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each charocteristic.) \overline{100} $	Date:/9	121						
Name: $Paul Jahnigc$ Please indicate which flow release this survey corresponds to. (Check one) $y Th$ $0 0 cfs$ $0 0 0 cfs$ $0 0 0 cfs$ $0 0 0 cfs$ 2 Did you load your boat with gear or other weights for this run? $1 Ves$ No 2 Did you load your boat with gear or other weights for this run? $1 Ves$ No 3 Put-in location for this run: $1 Put-In #1$ (at fish ladder) $Put-In #2$ (below Peskeomskut Island) 4. Take-out location for this run: $1 Take-Out #1$ (Station No. 1) $1 Take-Out #2$ (Cabot Woods) 5. Channel taken past Peskeomskut Island: $(Note "left" & "right" refer to direction facing downstream.)$ $ Left Center Right (deep chute) 1 Far Right N/A (took out above island) 5. Channel taken past Rawson Island: Far Right Far Right N/A (took out above island) 6. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each charocteristic.) \overline{100} $	Fime: 3 Pa	1						
Please indicate which flow release this survey corresponds to. (Check one) y 7L Did you load your boat with gear or other weights for this run? Image: Constraint of this run? Image: Construn? Image: Constraint of this run? <td></td> <td></td> <td>niae</td> <td></td> <td></td> <td></td> <td></td> <td></td>			niae					
□ 500 cfs □ 670 cfs □ 900 cfs □ other:		i van	1.9					Л
□ 500 cfs □ 670 cfs □ 900 cfs □ other:	Please indicate	which flow re	lease this surve	y correspon	ds to. (Check o	ne)	4	
2. Did you load your boat with gear or other weights for this run? \Box Yes No 4. Did you load your boat with gear or other weights for this run? \Box Yes No 4. Put-in location for this run: \Box Put-In #1 (at fish ladder) \Box Put-In #2 (below Peskeomskut Island) 6. Take-out location for this run: \Box Take-Out #1 (Station No. 1) \Box Take-Out #2 (Cabot Woods) 6. Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction facing downstream.) \Box Left Center Right (deep chute) \Box Far Right N/A (put in below island) 5. Channel taken past Rawson Island: \Box Left (Rock Dam) \Box Center Right \Box Far Right N/A (took out above island) 6. Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each characteristic.) If unacceptable, was flow: \Box Totally Unacceptable Neutral Acceptable $Totally$ Too Too Navigability -2 -2 0 1 2 Too Z Safety -2 -1 0 1 Z Z Z							ner:	500!
Put-in location for this run: Put-In #1 (at fish ladder) Put-In #2 (below Peskeomskut Island) Take-out location for this run: Take-Out #1 (Station No. 1) Take-Out #2 (Cabot Woods) Channel taken past Peskeomskut Island: (Note "left" & "right" refer to direction facing downstream.) Image: Cabot Woods) Left Center Right (deep chute) Image: Far Right N/A (put in below island) Channel taken past Rawson Island: Image: Far Right N/A (put in below island) Left (Rock Dam) Center Right Far Right N/A (took out above island) Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each characteristic.) If unacceptable, was flow: Totally Unacceptable Neutral Acceptable If unacceptable, was flow: Navigability -2 -1 0 1 2 Safety -2 -1 1 2 1						2 ⁿ nd		
Left Center Right (deep chute) If Far Right N/A (put in below island) Channel taken past Rawson Island: Image: Center Right Image: Right N/A (took out above island) Left (Rock Dam) Center Right Far Right Image: Right N/A (took out above island) Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each characteristic.) Image: Center Right Unacceptable Neutral Acceptable If unacceptable, was flow: Image: Right Unacceptable Neutral Acceptable If unacceptable, was flow: Navigability -2 1 0 1 2 Safety -2 -1 0 1 2		for this run:	Put-In #1 (at	fish ladder)		2 (below Pesk	keomsku ^r	t Island)
Left Center Right (deep chute) If Far Right N/A (put in below island) Channel taken past Rawson Island: Left (Rock Dam) Center Right Far Right N/A (took out above island) Please evaluate this flow for your watercraft and skill level for each of the following characteristics. Imacceptable Imacceptable Neutral Acceptable If unacceptable, was flow: Totally Unacceptable Neutral Acceptable If unacceptable, was flow: Navigability -2 1 0 1 2 Safety -2 -1 0 1 2	. Take-out locat	ion for this run	: 🗹 Take-Out	#1 (Station	No. 1) 🗖 Ta	ike-Out #2 (Ca	abot Wo	ods)
 Channel taken past Rawson Island: Left (Rock Dam) Center Right Far Right W/A (took out above island) Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each characteristic.) Imacceptable Neutral Neutral Acceptable Totally acceptable Neutral Acceptable Totally acceptable Navigability -2 0 1 2 								
Left (Rock Dam) Center Right Far Right N/A (took out above island) Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (circle one number for each characteristic.) Totally unacceptable Unacceptable Neutral Acceptable Totally acceptable If unacceptable, was flow: Navigability -2 1 0 1 2 Image: Comparison of the compariso	. Channel taken	past Peskeom	skut Island: (No	te "left" & '	'right" refer to	direction facii	ng downs	stream.)
 Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each characteristic.) Totally unacceptable Neutral Acceptable Totally acceptable Neutral Acceptable Totally acceptable Neutral Acceptable Totally acceptable Neutral Acceptable Totally acceptable Totally acceptable	. Channel taken	past Peskeom	skut Island: (No	te "left" & '	'right" refer to	direction facii	ng downs	stream.)
 Please evaluate this flow for your watercraft and skill level for each of the following characteristics. (Circle one number for each characteristic.) Totally unacceptable Neutral Acceptable Totally acceptable Neutral Acceptable Totally acceptable Neutral Acceptable Totally acceptable Neutral Acceptable Totally acceptable Totally acceptable	. Channel taken	past Peskeom Center Right (skut Island: (No (deep chute)	te "left" & '	'right" refer to	direction facii	ng downs	stream.)
(Circle one number for each characteristic.) Totally unacceptable Unacceptable Neutral Acceptable Totally acceptable If unacceptable, was flow: Navigability -2 -1 0 1 2 -2 Safety -2 -1 0 1 2 -2	. Channel taken □ Left □ . Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute) sland:	ite "left" & '	'right" refer to r Right [direction facin] N/A (put in	ng downs below is	stream.) iland)
Totally unacceptableUnacceptableNeutralAcceptableTotally acceptablewas flow:Navigability-21012Safety-2-1012	. Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No (deep chute) sland:	ite "left" & '	'right" refer to r Right [direction facin] N/A (put in	ng downs below is	stream.) iland)
Iotally unacceptableUnacceptableNeutralAcceptableacceptableToo lowToo highNavigability-2-1012-1Safety-2-1012-1	 Channel taken Left Channel taken Left (Rock D Please evaluat 	past Peskeom Center Right (past Rawson I Dam) Dam)	skut Island: (<i>No</i> (deep chute) sland: Center Right your watercraft	ite "left" & ' 12 Fa i	r Right refer to	direction facin N/A (put in N/A (took or	ng downs i below is ut above	stream.) :land) island)
Navigability -2 1 0 1 2 Safety -2 -1 0 1 2	 Channel taken Left Channel taken Left (Rock D Please evaluat 	past Peskeom Center Right (past Rawson I Dam) Ce this flow for mber for each c	skut Island: (<i>No</i> (deep chute) sland: Center Right your watercraft	ite "left" & ' 12 Fa i	r Right refer to	direction facin N/A (put in N/A (took out the following	ng downs below is ut above characte	stream.) Sland) island) eristics.
Safety -2 -1 0 1 2	. Channel taken Left . Channel taken Left (Rock D . Please evaluat	past Peskeom Center Right (past Rawson I Dam) Te this flow for mber for each o	skut Island: (No (deep chute) sland: Center Right your watercraft	te "left" & ' The Fail of Fail	Yright" refer to r Right r Right vel for each of	direction facin N/A (put in N/A (took ou the following Totally	ng downs below is ut above characte If unace was Too	stream.) sland) island) eristics. ceptable, flow: Too
	 Channel taken Left Channel taken Left (Rock D Please evaluat (Circle one nur 	past Peskeom Center Right (past Rawson I pam)	skut Island: (No (deep chute) sland: Center Right your watercraft characteristic.)	te "left" & ' D Fai and skill let Neutral	fright" refer to r Right r Right vel for each of Acceptable	direction facin N/A (put in N/A (took or the following Totally acceptable	ng downs below is ut above characte If unace was Too	stream.) sland) island) eristics. ceptable, flow: Too
	 Channel taken Left Channel taken Left (Rock D Please evaluat (Circle one nur 	past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft <i>haracteristic.)</i> Unacceptable	te "left" & ' Tar Far Far t and skill ler Neutral	r Right r Right r Right vel for each of Acceptable 1	direction facin N/A (put in N/A (took of the following Totally acceptable 2	ng downs below is ut above characte If unace was Too	stream.) sland) island) eristics. ceptable, flow: Too high

No. of times: 🦉 ¹Include any instances where you needed to get out of your boat and carry/drag the boat over or around an obstacle.

-1

-1

No. of times: _

Portages¹

)

-2

-2

0

6

2

2

1

1

-	Difficulty	Location	in Bypass
E	Bumps & Stuch	Umer Fai	
-		~.yy ==	
			an and the second
-			
9	Are you likely to return for future boating along this reach at th	iis flow? (Check one)
			Definitely yes
1(Based on the International Whitewater Scale (defined below), difficulty of the run at this flow? (If successful to the run of the run at this flow?) 	how would you ra	te the whitewater
	difficulty of the run at <u>this</u> flow? (If appropriate, provide a range This flow rates as Class: $\Box \Sigma$	e of classifications f	or <u>this</u> flow.)
11	What skill lovel do you think a ward the		
11	 What skill level do you think a paddler needs to safely paddle the second s 	ie bypass at <u>this</u> flor	w? (Check one)
	Beginner Novice Intermediate	Advanced	Expert
17			
12	Please provide any additional comments about <u>this</u> flow below.		<u> </u>
	Joo Low to "Navigata"	Successy	fully
Inte	ernational Whitewater Scale		
•	Class I – Fast moving water with riffles and small waves. Few obstructions, all obvious and is slight; self-rescue is easy.	easily missed with little tra	aining. Risk to swimmers
•	Class II – Straightforward rapids with wide, clear channels which are evident without sc but rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are is seldom needed.	outing. Occasional maneu seldom injured and group	vering may be required, assistance, while helpful
•	Class III – Rapids with moderate, irregular waves which may be difficult to avoid, and whi in fast current and good boat control in tight passages or around ledges are often require easily avoided. Strong eddies and powerful current effects can be found, particularly inexperienced parties. Injuries while swimming are rare; self-rescue is usually easy, bu swims.	ed; large waves or strainers	may be present but are
•	Class IV – Intense, powerful but predictable rapids requiring precise boat handling in turriver, it may feature large, unavoidable waves and holes or constricted passages demand eddy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require may be necessary the first time down. Risk of injury to swimmers is moderate to high, ar Group assistance for rescue is often essential but requires practiced skills. A strong eskir	ing fast maneuvers under p "must" moves above dange ad water conditions moves	pressure. A fast, reliable erous hazards. Scouting
٠	Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to a waves and holes or steep, congested chutes with complex demanding routes. Rapids demanding a high level of fitness. What eddies exist may be small, turbulent, or difficult these factors may be combined. Scouting is recommended but may be difficult. Swims a experts. A very reliable eskimo roll, proper equipment, extensive experience, and practice	added risk. Drops may cor may continue for long dis t to reach. At the high end re dangerous, and recrusive	tain large, unavoidable stances between pools, of the scale, several of

	Turne	Single Flow rs Falls Hydroel Boating Demo	ectric Proje	ct, FERC No. 18	89		
ate: 119	21						
Date:	1-1						
ime: 11:3	OAM						
Isma Nadk	16/10	CK					
dille, 1							
. Please indicate	which flow re	lease this surve	v correspon	ds to. (Check o	ine)		
			,	900 cfs	_	er:	
500 cfs (300 c		☐ 670 cfs		— 500 CIS		U	
. Did you load y	our boat with g	gear or other we	eights f <mark>or t</mark> h	is run? 🛛 Ye	s 🕅 No		
	real to a F	V Dut In #1 /-+	fich laddar)		2 (below Pesk	eomskui	: Island)
. Put-in location	for this run: L	👱 Put-In #1 (at	tish ladder)		Z (DEIOW FESK	Comskar	, 15:01107
					ako Out #2/Ca	bot Wor	ndel
. Take-out locat	ion f or this run	: 🗍 Take-Out	#1 (Station	No. 1) 📿 Ta	ake-Out #2 (Ca	abot Woo	ods}
. Channel taken	past Peskeom	skut Island: (No	nte "left" & '	'right" refer to		ig downs	striction.,
i. Channel taken		skut Island: (No	nte "left" & '	'right" refer to	direction facir	ig downs	striction.,
5. Channel taken	past Peskeom	skut Island: (No deep chute)	nte "left" & '	'right" refer to	direction facir	ig downs	striction.,
5. Channel taken	past Peskeom Center Right (past Rawson I	skut Island: (No deep chute) sland:	etc "left" & '	'right" refer to r Right [direction facir	ig downs below is	iteroin., iland)
 Take-out locat Channel taken Left Channel taken Left (Rock D 	past Peskeom Center Right (past Rawson I	skut Island: (No deep chute)	etc "left" & '	'right" refer to r Right [direction facir	ig downs below is	iteroin., iland)
5. Channel taken Left 5. Channel taken Left (Rock D	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right	etc "left" & ' 🗋 Fai	r Right refer to	direction facir] N/A (put in] N/A (took ou	ig dowas below is it above	irro <i>n.,</i> iland) island)
 Channel taken Left Channel taken Left (Rock 5 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft	etc "left" & ' 🗋 Fai	r Right refer to	direction facir] N/A (put in] N/A (took ou	ig dowas below is it above	irro <i>n.,</i> iland) island)
 Channel taken Left Channel taken Left (Rock 5 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft	etc "left" & ' 🗋 Fai	r Right refer to	direction facir] N/A (put in] N/A (took ou	ig downs below is ut above characte	island) ristics.
 Channel taken Left Channel taken Left (Rock 5 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft	etc "left" & ' 🗋 Fai	r Right refer to	direction facir N/A (put in N/A (took ou the following	below is t above characte	island) island) cristics.
 Channel taken Left Channel taken Left (Rock 5 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft	etc "left" & ' 🗋 Fai	r Right refer to	direction facir N/A (put in N/A (took ou the following Totally	below is t above characte	island) ristics.
 Channel taken Left Channel taken Left (Rock 5 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft	etc "left" & ' E Fai Q Fai t and skill let	r Right″ refer to r Right □ r Right □ vel for each of	direction facir N/A (put in N/A (took ou the following	ig downs below is it above characte If unace was	iland) island) eristics. eptable, flow:
 Channel taken Left Channel taken Left (Rock 5 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft	etc "left" & ' E Fai Q Fai t and skill let	r Right″ refer to r Right □ r Right □ vel for each of	direction facin	below is below is it above characte lf unacc was <i>Too</i>	island) island) eristics. eptable, flow: Too
 Channel taken Left Channel taken Left (Rock 1) Left (Rock 1) Please evaluat Control one due 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft noracteristic.)	etc "left" & ' Fai Q Fai t and skill lev Neutral	r Right″ refer to r Right □ r Right □ vel for each of	direction facin	below is below is it above characte lf unacc was <i>Too</i>	island) island) eristics. eptable, flow: Too
 Channel taken Left Channel taken Left (Rock 1) Please evaluat Navigability 	past Peskeom Center Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft noracteristic.) Unacceptable -1	etc "left" & ' Fai Q Fai t and skill let Neutral	r Right″ refer to r Right □ r Right □ vel for each of	direction facin	below is below is it above characte lf unacc was <i>Too</i>	island) island) eristics. eptable, flow: Too
 Channel taken Left Channel taken Channel taken Left (Rock D Please evaluat Please evaluat Navigability Safety 	past Peskeom enter Right (past Rawson I am)	skut Island: (No deep chute) sland: Center Right your watercraft rocacteristic.) Unacceptable -1 -1	etc "left" & ' Far t and skill lev Neutral 0	r Right″ refer to r Right □ r Right □ vel for each of	direction facin	below is below is it above characte lf unacc was <i>Too</i>	island) island) eristics. eptable, flow: Too

Turners Falls Hydraelectric Project (No. 1889)

8. Did you experience any difficulties during your run <u>at this flow</u> (e.g., stuck on obstacles, had to cortage, etc.)? Provide a brief description and location of any difficulty.

	Difficulty Location in Bypass
	Shellow water in "deep chute" required coreful Pestre Omstate tislend
	over running.
	A boulder gerden above Ranson Tolend Ranson Tolend
1.00	requires menuearing in buickly mound where
9.	Are you likely to return for future boating along this reach at this flow? (Check and
	Definitely not Probably Definitely yes
10). Based on the international Whitewater Scale (defined below), how would you rate the whitewater difficulty of the run at <u>this</u> flow? (If appropriate, provide a range of classification $\frac{1}{100}$ flows). This flow rates as Class: \underline{II} (leads $den : III)$
	. What skill level do you think a paddler needs to safely paddle the bypass at <u>this flow? (The pade</u>)
	🗌 Beginner 🛛 Novice 🔀 Intermediate 🗖 Advanced 🗍 Expert
12	. Please provide any additional comments about this flow below.
	Pelllers must be able to "real" the river to avoid hereads, mostly
	boulders, as Plan increases below Station One. For notif part
	Perked skut Estal is not recommental.
Inte	mational Mihitewater Scale
¢	Class I - Fast moving water with riffles and small waves. Few obstructions, all obvious and easily missed with site a sening. Risk to swimmers slight self-rescue is easy.
R	Class II – Straightforward rapids with wide, clear channels which are evident without scouting. Occasional maneuvering may be required, out rocks and medium-sized waves are easily missed by trained paddlers. Swimmers are seldom injured and group assistance while helpful a seldom needed.
8	Class III – Bab ds with moderate, irregular waves which may be difficult to avoid, and which can swamp an open to the component of the state of the
0	Class IV – Intense, powerful but predictable rapids requiring precise boat handling in turbulent water. Depend on the character of the river, it may feature large, unavoidable waves and holes or constricted passages demanding fast maneuvers under pressure. Press, reliable roov turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids may require "must" moves above demerous hazaros. Scouting may be necessary the first time down. Risk of injury to swimmers is moderate to high, and water conditions may make self-rescue difficult.
e	Class V – Extremely long, obstructed, or very violent rapids which expose a paddler to added risk. Drops may contain large, unavoidable over and holes or steep, congested chutes with complex demanding routes. Rapids may continue for long mannes between pools, cemanding a high level of fitness. What eddies exist may be small, turbulent, or difficult to reach. At the high end of the scale, several of lase factors may be combined. Scouting is recommended but may be difficult. Swims are dangerous, and rescue is often difficult even for perts. A very reliable eskimo roll, proper equipment, extensive experience, and practiced rescue skills are essential.

Turners Falls Hydroelectric Project (No. 1889)

	Turne	rs Falls Hydroel Boating Demo			89		
Date: 11 9	21						
Гіте: 12: 4							
lame: Nool	n Pulloc	K					
L. Please indicate	e which flow re	lease this surve	y correspon	ids to. (Check c	one)		
🗌 500 cfs		X 500 efs 330 CP>	#2	☐ 900 cfs	🛛 Oth	er:	
2. Did you load y	our boat with g	gear or other we	eights for th	is run? 🛛 Ye	s 🐙 No		
3. Put-in location	for this run: [Zut-In #1 (at	fish ladder)	🗖 Put-In #	2 (below Pesk	eomskut	Isiand)
		_				1	a la la
5. Channel taken		skut Island: (No	te "left" & '		direction facir	ng downs	tream.)
5. Channel taken	past Peskeom	skut Island: (No	te "left" & '	ʻright" refer to	direction facir	ng downs	tream.)
5. Channel taken	past Peskeom	skut Island: (<i>No</i> (deep chute)	te "left" & '	ʻright" refer to	direction facir	ng downs	tream.)
5. Channel taken	past Peskeom Center Right past Rawson I	skut Island: (No (deep chute) sland:	te "left" & ' □ Fai	ʻright" refer to r Right [direction facir	ng downs below is	tream.) land)
5. Channel taken	past Peskeom Center Right past Rawson I	skut Island: (No (deep chute) sland:	te "left" & ' □ Fai	ʻright" refer to r Right [direction facir] N/A (put in	ng downs below is	tream.) land)
 Channel taken Left X Channel taken Left (Rock 1 Please evaluat 	Past Peskeom Center Right (Past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft	te "left" & ' Fa Fa	′right″ refer to r Right [r Right □	direction facir] N/A (put in] N/A (took ou	ng downs below is ut above ³	tream.) land) island)
 Channel taken Left X Channel taken Left (Rock 1 Please evaluat 	Past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft	te "left" & ' Fa Fa	′right″ refer to r Right [r Right □	direction facir] N/A (put in] N/A (took ou the following	ng downs below is it above characte	tream.) land) island) ristics. eptable,
 Channel taken Left X Channel taken Left (Rock 1 Please evaluat 	E past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft	te "left" & ' Fa Fa	′right″ refer to r Right [r Right □	direction facir] N/A (put in] N/A (took ou the following Totally	ng downs below is ut above characte If unacc was	tream.) land) island) ristics. eptable, flow:
 Channel taken Left X Channel taken Left (Rock 1 Please evaluat 	Center Right (Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft	te "left" & ' Fai Ref Fai and skill let	'right" refer to r Right [r Right □ vel for each of	direction facir] N/A (put in] N/A (took ou the following	ng downs below is it above characte	tream.) land) island) ristics. eptable,
 Channel taken Left X Channel taken Left (Rock 1 Please evaluat 	E past Peskeom Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft	te "left" & ' Fai Ref Fai and skill let	'right" refer to r Right [r Right □ vel for each of	direction facir] N/A (put in] N/A (took ou the following Totally	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics eptable, flovs: Too
 Channel taken Left X Channel taken Left (Rock I Left (Rock I Please evaluat Chine original 	a past Peskeom Center Right (a past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft Garacteristic.)	te "left" & ' Fa Ra Fa and skill le Neutral	'right" refer to r Right [r Right □ vel for each of Acceptable	direction facir] N/A (put in] N/A (took ou the following Totally acceptable	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics eptable, flovs: Too
 Channel taken Left X Channel taken Left (Rock 1 Left (Rock 1 Please evaluat Chane one matrix 	Center Right (Center Right (past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft is an acteristic.) Unacceptable -1	te "left" & ' Fal R Fa and skill lev Neutral	<pre>'right" refer to r Right [r Right □ vel for each of Acceptable ①</pre>	direction facin	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics eptable, flovs: Too
 5. Channel taken Left X 5. Channel taken Left (Rock 1 7. Please evaluat <i>ICH me orie ministry</i> Navigability Safety 	Past Peskeom Center Right Past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft your watercraft unacceptable -1 -1	te "left" & ' Fai Fai rand skill let Neutral 0 0	'right" refer to r Right [r Right □ vel for each of Acceptable	direction facir N/A (put in N/A (took ou the following Totally acceptable 2 2 2	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics eptable, flovs: Too
 5. Channel taken Left 6. Channel taken Left (Rock 1 7. Please evaluat <i>ICh me orie mo</i> Navigability Safety Ease of put-in Scrapes/bumps 	Past Peskeom Center Right Past Rawson I Dam)	skut Island: (No (deep chute) sland: Center Right your watercraft your watercraft or anacteristic.) Unacceptable -1 -1 -1	te "left" & ' Fa Rate Fa and skill lev Neutral 0 0 0	<pre>'right" refer to r Right [r Right [vel for each of</pre>	direction facir N/A (put in N/A (took ou the following Totally acceptable 2 2 2 2	ng downs below is ut above characte If unacc was Too	tream.) land) island) ristics eptable, flovs: Too

8.	Did you experience any difficulties during your run at this flow (e.g., stuck on obstacles, had to
	mortage, etc. [7] Provide a brief description and location of any difficulty.

	Difficulty	L	ocation in Bypass
Hit more rocks Prough.	in conter chute, of a	dlly GAtu	chitt
9. Are you likely to re	turn for future boating along t	this reach at <u>this</u> flow? (Ch	eck of the
Definitely not	Possibly	D Probably	🗍 Definitely yes
10. Desed on the inter difficulty of the run This flow rates as C	national Whitewater Scale (d at <u>this</u> flow? (<i>If appropriate,</i> class:	efined below), how would provide a range of classifica	you rate the whitewater normalized this frame.
11. Anatiskiii level do y	you think a paddler needs to s	afely paddle the bypass at	this how? (Charle greet
🔲 Seginner	🗆 Novice 🛛 Interr	mediate 🔲 Advanced	Expert
	additional comments about <u>th</u> Flow did not mat		experimit.
	23 - 143 A		
International Whitewater Scale			
prefit solutiosocolo seav			
 Class II – Straightforward ro but rocks and medium-size trackdom needed 	apids with wide, clear channels which are d waves are easily missed by trained padd	e evident without scouling. Occasion liers. Swimmers are seldom injured a	nal manusering may be required, and group essistance, while helpful
Easily avoided Strong edd	erate, irregular waves which may be difficu at control in tight passages or around led dies and powerful current effects can be uries while swimming are rare; self-rescu	ges are often required; large waves o found, particularly on large-volume	r straine sin ay be present out are
endoy turn may be needed to may be necessary the first t	I but predictable rapids requiring precise inavoidable waves and holes or constricte initiate maneuvers, scout rapids, or rest. ime down. Risk of injury to swimmers is is often essential but requires practiced	d passages demanding fast maneuve Rapids may require "must" moves al moderate to high, and water condition	ers under pressure. A fast, reliable power mengerous hazards. Scouting
 Class V – Extremely long, of Waves and holes or steep, demanding a high level of fi these factors may be combil 	bstructed, or very violent rapids which e congested chutes with complex demand tness. What eddies exist may be small, t ned. Scouting is recommended but may f imo roll, proper equipment, extensive exp	xpose a paddler to added risk. Drop ling routes. Rapids may continue fo urbulent, or difficult to reach. At th pe difficult. Swims are dangerous an	is may contain large, unavoidable or long outances between bools, e high end of the scale, several of division of fee crift with outant fee

Turners Falls Hydroelectric Project (No. 1889)

1	a.	rs Falls Hydroel Boating Demo	onstration Fl	ow Study			
ate: 11 9	21						
me: A 7	1:45 PM						
<u></u>	L Pollo	114					
ame: _/ \\\<	n rono	[,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					、
Please indicate	• which flow re	lease this surve	v correspon	ds to. (Check o	ne) 43 (600 cPs)
500 cfs		☐ 670 cfs	, .	□ 900 cfs	D Oti		
LJ 300 US							
Did you load y	our boat with g	gear or other we	eights for th	is run? 🛛 Yes	No		
Put-in location	for this run:	S Put-In #1 (at	fish ladder)	🔲 Put-In #	2 (below Pes	keomskut	Island)
					L. Out #2 /C	abot Mor	ods
Take-out locat	ion for this run	🗄 🗀 Take-Out	#1 (Station		i <mark>ke-Out</mark> #2 (C		,
Take-out locat	ion f <mark>or this run</mark>	: 🔟 Take-Out	#1 (Station	NO. I) 🗳 18	ike-Out #2 (C		,
Channel taken	past Peskeom	skut Island: (No	te="left" & " 	'right" refer to	direction joci	ng downs	scam)
Channel taken		skut Island: (No	te="left" & " 	'right" refer to		ng downs	scam)
Channel taken	past Peskeom enter Right (skut Island: (<i>No</i> (deep chute)	te="left" & " 	'right" refer to	direction joci	ng downs	scam)
Channel taken	past Peskeom enter Right (skut Island: (No (deep chute) sland:	te left" & " ☐ Fai	right" refer to	direction joci] N/A (put ir	ng dawns n below is	Iand)
Channel taken	past Peskeom enter Right (skut Island: (<i>No</i> (deep chute)	te left" & " ☐ Fai	right" refer to	direction joci	ng dawns n below is	Iand)
Channel taken	past Peskeom enter Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right	te =ieft" & " □ Fai ⊡ Fai	right" refer to Right [direction }oci] N/A (put ir N/A (took o	ng downs n below is ut above	island)
Channel taken Left Channel taken Left (Rock S Please evaluat	past Peskeom enter Right (past Rawson la nam)	skut Island: (No (deep chute) sland: Center Right your watercraft	te =ieft" & " □ Fai ⊡ Fai	right" refer to Right [direction }oci] N/A (put ir N/A (took o	ng downs n below is ut above	island)
Channel taken Left Channel taken Left (Rock S Please evaluat	past Peskeom enter Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	te =ieft" & " □ Fai ⊡ Fai	right" refer to Right [direction }oci] N/A (put ir N/A (took o	ng downs n below is ut above characte	tream.) land) island) ristics.
Channel taken Left Channel taken Left (Rock S Please evaluat	past Peskeom enter Right (past Rawson la am)	skut Island: (No (deep chute) sland: Center Right your watercraft	te =ieft" & " □ Fai ⊡ Fai	right" refer to Right [direction foci N/A (put in N/A (took o the following Totally	ng downs n below is ut above g characte If unacc was	tream.) land) island) ristics. eptable, flow:
Channel taken Left Channel taken Left (Rock S Please evaluat	past Peskeom enter Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	te Teft" & " Far Far and skill lev	r Right r Right r Right vel for each of	direction foci N/A (put in N/A (took o the following	ng downs n below is ut above characte	tream.) land) island) ristics.
Channel taken Left Channel taken Left (Rock S Please evaluat	past Peskeom enter Right (past Rawson la am)	skut Island: (No (deep chute) sland: Center Right your watercraft	te Teft" & " Far Far and skill lev	r Right r Right r Right vel for each of	direction foci N/A (put in N/A (took o the following Totally	ng downs n below is ut above g characte If unacc Was <i>Too</i>	isiand) ristics. eptable, flow: Too
Channel taken	past Peskeom enter Right (past Rawson la am)	skut Island: (No (deep chute) sland: Center Right your watercraft Unacceptable	te Teft" & " Far and skill lev Neutral	right" refer to Right C r Right C vel for each of Acceptable	direction you N/A (put in N/A (took o the following Totally acceptable	ng downs n below is ut above g characte If unacc Was <i>Too</i>	isiand) ristics. eptable, flow: Too
Channel taken Left Channel taken Left (Rock C Please evaluat	past Peskeom enter Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft Unacceptable -1	te left" & " Far Far s and skill lev Neutral	right" refer to Right C r Right C vel for each of Acceptable	direction foci N/A (put in N/A (took o the following Totally	ng downs n below is ut above g characte If unacc Was <i>Too</i>	isiand) ristics. eptable, flow: Too
Channel taken Left Channel taken Channel taken Left (Rock C Please evaluat Concernent Navigability Safety Ease of put-in Scrapes/bumps	past Peskeom enter Right (past Rawson I: lam)	skut Island: (No Geep chute) sland: Center Right your watercraft Unacceptable -1 -1	te ieft" & " Far and skill lev Neutral 0 0	right" refer to Right C r Right C vel for each of Acceptable	direction you N/A (put in N/A (took o the following Totally acceptable	ng downs n below is ut above g characte If unacc Was <i>Too</i>	isiand) ristics. eptable, flow: Too
Channel taken Left Channel taken Left (Rock 1 Please evaluat Channel taken Navigability Safety	past Peskeom enter Right (past Rawson I lam)	skut Island: (No Geep chute) sland: Center Right your watercraft Goderistic.) Unacceptable -1 -1 -1	te ieft" & " Far and skill lev Neutral 0 0 0	r Right C r Right C r Right C vel for each of Acceptable	direction you N/A (put in N/A (took o the following Totally acceptable 2 2	ng downs n below is ut above g characte If unacc Was <i>Too</i>	isiand) ristics. eptable, flow: Too

8. Did you experience any difficulties during your run <u>at this flow</u> (e.g., stuck on obstacles, had to partage, etc.)? Provide a brief description and location of any difficulty.

	Difficulty	Location in Bypass
	Two moor bamps	(centur chtr)
9.	Are you likely to return for future boating along this rea	ach at <u>this</u> flow? (Check of a
	Definitely not Possibly	Definitely yes
10.	Pased on the International Whitewater Scale (defined difficulty of the run at <u>this</u> flow? (If appropriate, provide this flow rates as Class: $(1) - 11$)	below), how would you rate the whitewater a range of classification of this
11.	anat skill level do you think a paddler needs to safely p	addle the pypass at <u>this</u> flow? Mareneous
12	Beginner Novice Intermediate	e [] Advanced [] Expert 3 (with temps)
ing has -	Nice level (1) (1))))) Our will
	Nice level. Still a little burrey u	ip high but Ion + praty
	Contonal Whitewater Scale Ents Lohast moving water with riffles and small waves. Few obstructions, all o Thigh Logis/rescue is easy.	bvious and easily missed with
9	Class II – Straightforward rapids with wide, clear channels which are evident out rocks and medium-sized waves are easily missed by trained paddlers. Swith the commediated	
	Cass III – Rapids with moderate, irregular waves which may be difficult to avoit istiguirent and good boat control in tight passages or around ledges are of resily avoided. Strong eddies and powerful current effects can be found, p maxperienced parties. Injuries while swimming are rare; self-rescue is usual white.	ten required: arge waves or so intravible present but are
ł	Class IV – Intense, powerful but predictable rapids requiring precise boat han iver, it may feature large, unavoidable waves and holes or constricted passage addy turn may be needed to initiate maneuvers, scout rapids, or rest. Rapids m may be necessary the first time down. Risk of injury to swimmers is moderate from assistance for rescue is often essential but requires practiced skills. A st	es demanding fast maneuvers under pressure. A fast, reliable hay require "must" moves above dameerous hazerds. Scouting to high and upper conditions.
• 0:	hass V – Extremely long, obstructed, or very violent rapids which expose a p vaves and holes or steep, congested chutes with complex demanding route ternanding a high level of fitness. What eddles exist may be small, turbulent, tese factors may be combined. Scouting is recommended but may be difficult coerts. A very reliable eskimo roll, proper equipment, extensive experience, a	addler to added risk. Drops may contain large, unavoidable as. Rapids may continue for long distances between pools, or difficult to reach. At the high end of the scale, several of t Swims are depresent and the scale, several of

	Turne	Single Flow rs Falls Hydroel Boating Demo	ectric Projec	ct, FERC No. 18	89		
Date: 119	21			×			
Date:	6 91						
ime: <u>`ን'-ን</u>	0 pm						
Date: 119 Time: 3:30 Name: Nah	Polloc	K					
L. Please indicate			y correspon	ds to. (Check o	ine)	1.00	2 0-
500 cfs		🛛 670 cfs		🛛 900 cfs	🖌 Oti	ner: <u>455</u> #4	J CTS
						#4	
2. Did you load yo	our hoat with c	ear or other we	eights for th	is run? 🔽 Ye	s 🗖 No	l.	
Put-in location	for this run:	🖄 Put-In #1 (at	fish ladder)	🛛 Put-In #	2 (below Pesl	keomskut	Isla nd)
. Channel taken		skut Island: (No		' 'right" refer to	ake-Out #2 (C direction faci N/A (put ir	ng dowris	trean.)
 Channel taken Left Channel taken Left (Rock 0 Please evaluat 	past Peskeom Center Right (past Rawson I am)	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & " Ran Fan	r Right E	direction faci. N/A (put ir	ng downs 1 below is ut above	tream.) land) island)
 Channel taken Left Channel taken Left (Rock 0 Please evaluat 	past Peskeom Center Right (past Rawson I ram)	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & " Ran Fan	r Right E	direction faci. N/A (put ir N/A (took o the following	ng downs n below is ut above characte	treann.) land) island) ristics. eptable,
 Channel taken Left Channel taken Left (Rock 0 Please evaluat 	past Peskeom Center Right (past Rawson I ram) e this flow for r Jor each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft	ote "left" & " Ran Fan	r Right E	direction faci. N/A (put in N/A (took o the following Totally	ng downs n below is ut above characte	tream.) land) island) ristics
 Channel taken Left Channel taken Left (Rock 0 Please evaluat 	past Peskeom Center Right (past Rawson I am) e this flow for	skut Island: (No (deep chute) sland: Center Right your watercraft	t and skill lev	r Right refer to r Right r Right vel for each of	direction faci. N/A (put ir N/A (took o the following	ng downs below is ut above characte If unacc was	fregun.) land) island) ristics. eptable, flow:
 Channel taken Left Channel taken Left (Rock 0 Please evaluat 	past Peskeom Center Right (past Rawson I ram) e this flow for r Jor each o Totally	skut Island: (No (deep chute) sland: Center Right your watercraft	t and skill lev	r Right I r Right I vel for each of	direction foci. N/A (put in N/A (took o the following Totally acceptable 2	ng downs n below is ut above characte lf unacc was Too	tream.) land) island) ristics. eptable, flow: 1 Too
 5. Channel taken Left 5. Channel taken Left (Rock D 7. Please evaluat Channel taken Navigability Safety 	past Peskeom Center Right (past Rawson I am) e this flow for r for each o Totally unacceptable -2 -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft your watercraft Unacceptable -1 -1 -1	ete "left" & " Ran Fan t and skill lev Neutral	'right" refer to r Right I r Right I vel for each of Acceptable 1	direction facil N/A (put in N/A (took o the following Totally acceptable 2 2	ng downs n below is ut above characte lf unacc was Too	tream.) land) island) ristics. eptable, flow: 1 Too
 5. Channel taken Left 5. Channel taken Left (Rock © 7. Please evaluat Cr. Coerce Navigability Safety Ease of put-in 	past Peskeom Center Right (past Rawson I am) e this flow for 	skut Island: (No (deep chute) sland: Center Right your watercraft remacteristic.) Unacceptable -1	nte "left" & " Ran Fan t and skill lev Neutral	r Right I r Right I vel for each of	direction foci. N/A (put in N/A (took o the following Totally acceptable 2	ng downs n below is ut above characte lf unacc was Too	tream.) land) island) ristics. eptable, flow: 1 Too
 5. Channel taken Left 5. Channel taken Left (Rock D 7. Please evaluat C (L) Coe (C) Navigability Safety 	past Peskeom Center Right (past Rawson I am) e this flow for r for each o Totally unacceptable -2 -2 -2	skut Island: (No (deep chute) sland: Center Right your watercraft your watercraft Unacceptable -1 -1 -1	ete "left" & " Ran Fan t and skill lev Neutral	'right" refer to r Right I r Right I vel for each of Acceptable 1	direction facil N/A (put in N/A (took o the following Totally acceptable 2 2	ng downs n below is ut above characte lf unacc was Too	tream.) land) island) ristics. eptable, flow: 1 Too

Turners Falls Hydroelectric Project (No. 1889)

-	Dif	fficulty		Location In Bypass
	"Ain bull" abound more water would			
	made it esim.			
9	9. Are you likely to return for fi	uture boating alor	ng this reach at <u>this</u> flow? i	Check
	Definitely not	Possibly	D Probably	Definitely yes
1	10. Hosed on the international N difficulty of the run at <u>this</u> flo	Whitewater Scale ow? (If appropriat	(defined below), how wo	uld you rose the whitewate
	his flow rates as Class: <u>11-1</u>			
E	11. Maet skill level do you think	a paddler needs t	o safely paddie the bypass	at <u>this flow? (Chem core</u>)
	🔲 Beginner 🛛 🕅 No	vice 🛛 Int	ermediate 🗌 Advan	ced 🔲 Expert
11	2 Jissie provide any additione			
	2. Please provide any additiona	L.P.R.C. It with f	This flow below.	6 + GRADE IL
	enoush water to	set down-	with Occasional 6	ouncing of rocks
11	iterrational Whitewater Scale			
	Fast moving water with riffles an inhight, sati-rescue is hasy.	nd small waves. Few obst	ructions, all obvious and easily misse	d with its earsing. Rick a swimmer
	Class II - Straightforward rapids with wi	ide, clear channels which		
	hist racks and medium-sized waves are e d 10. Joni needed	asily missed by trained p	are evident without scouring. Occa addlers. Swimmers are seldom injur	ed and group essistance, while helpfu
	TECH WOACS DIE C	ar waves which may be di- tight passages or around	flicult to avoid, and which can swam ledges are often required large wav	ed and promiessistance, while helpfu plan oper think e. Complet maneuver les or strainers may be present but ar
	 Jom neared His IR – Rap os with moderate, irregula est current and good boat control in t essily avoided. Short eddies and powe mexperienced parties. Injuries while sw 	ar waves which may be dii tight passages or around verful current effects can vimming are rare; self-re able rapids requiring pree vaves and holes or constr euvers, scout rapids, or re lisk of injury to swimmers	fficult to avoid, and which can swam ledges are often required large wav be found, particularly on large-vol escue is usually easy, but group assi cise boat handling in turbulent wate ricted passages demanding fast man est. Rapids may require "must" move is moderate to high and water con	ed and promissistance, while helpful plan oper clinice. Complete maneuver les or strainers may be present but and ume river. Scouting is advisable for stance here be required to avoid long er. Depending on the character of the euvers under pressure. A last, reliable es above deriverous hazaros. Scouting differencements

Turners Falls Hydroelectric Project (No. 1889)

Single Flow Evaluation Form

٩.

APPENDIX D: PHOTOGRAPHS

Appendix D – Photographs

Flow #1	3
Photo 1-01: View from Put-In #1	3
Photo 1-02: View from Put-In #1	
Photo 1-03: Peskeomskut Island – Center Channel – Upstream View	4
Photo 1-04: Peskeomskut Island – Center Channel – Upstream View – Boaters 1, 2	4
Photo 1-05: Peskeomskut Island – Center Channel – Downstream View – Boaters 1, 2	5
Photo 1-06: Peskeomskut Island – Right Channel – Boaters 7, 8, 9	5
Photo 1-07: View from Put-In #2 Upstream toward Peskeomskut - Center Channel - Boaters 5, 10	6
Photo 1-08: View from Put-In #2 Upstream toward Peskeomskut - Center Channel - Boaters 5, 10	
Photo 1-09: Rawson Island - Right Channel Entrance - Upstream View - Boaters 9, 5, 10	7
Photo 1-10: Rawson Island – Right Channel Entrance – Downstream View – Boaters 1, 2, 9	
Photo 1-11: Rawson Island – Center Channel Entrance – Upstream View – Boaters 7, 8	
Photo 1-12: Rawson Island – Center Channel Entrance – Downstream View	8
Flow #2	9
Photo 2-01: Put-In #1	9
Photo 2-02: Put-In #1	9
Photo 2-03: View from Put-In #1	. 10
Photo 2-04: Peskeomskut Island – Center Channel – Upstream View	. 10
Photo 2-05: Peskeomskut Island – Center Channel – Upstream View – Boaters 1, 2	. 11
Photo 2-06: Peskeomskut Island – Center Channel – Downstream View – Boaters 1, 2	. 11
Photo 2-07: Peskeomskut Island – Center (foreground) + Right (background) Channels – Boaters 4, 9	. 12
Photo 2-08: View from Put-In #2 Upstream toward Peskeomskut - Center Channel - Boater 4	. 12
Photo 2-09: View from Put-In #2 Upstream toward Peskeomskut - Center Channel - Boater 4	. 13
Photo 2-10: Rawson Island - Right Channel Entrance - Upstream View - Boaters 1, 2, 5, 10	
Photo 2-11: Rawson Island - Right Channel Entrance - Downstream View - Boaters 1, 2, 5, 10	
Photo 2-12: Rawson Island – Right Channel Midsection– Upstream View – Boaters 5, 10	
Photo 2-13: Rawson Island – Right Channel Midsection – Downstream View	
Photo 2-14: Rawson Island – Center Channel Entrance – Upstream View	
Photo 2-15: Rawson Island – Center Channel Entrance – South View	
Photo 2-16: Rawson Island – Center Channel Entrance – Downstream View	
Photo 2-17: Rawson Island – Left Channel – Upstream View	. 17
Photo 2-18: Rawson Island – Left Channel – Downstream View – Boaters 4, 7, 8	
Photo 2-19: Rock Dam	
Photo 2-20: Take-Out #2 – Upstream View	
Photo 2-21: Take-Out #2 – Downstream View	
Flow #3	
Photo 3-01: Peskeomskut Island - Center Channel - Upstream View - Boaters, 1, 2	. 20
Photo 3-02: Peskeomskut Island - Center Channel - Downstream View - Boaters, 1, 2	
Photo 3-03: Peskeomskut Island - Center (foreground) + Right (background) Channels - Boater 6	. 21
Photo 3-04: Peskeomskut Island - Center (foreground) + Right (background) Channels - Boaters 4, 9	. 21
Photo 3-05: Peskeomskut Island – Left Channel – North View	. 22
Photo 3-06: Put-In #2 – Access Trail – Upstream View	
Photo 3-07: Put-In #2 – Access Trail – Downstream View	
Photo 3-08: View from Put-In #2 Upstream toward Peskeomskut - Center Channel - Boaters 1, 2	
Photo 3-09: View from Put-In #2 Upstream toward Peskeomskut – Center Channel – Boaters 1, 2	
Photo 3-10: View from Put-In #2 Upstream toward Peskeomskut – Right Channel – Boater 6	
Photo 3-11: Rawson Island – Right Channel Entrance – Upstream View – Boaters 5, 10	. 25

Turners Falls Hydroelectric Project (No. 1889) TURNERS FALLS BOATING STUDY REPORT

Photo 3-12: Rawson Island – Right Channel Entrance – Downstream View – Boaters 5, 10	
Photo 3-13: Rawson Island – Right Channel Midsection – Upstream View – Boater 6	
Photo 3-14: Rawson Island – Right Channel Midsection – Downstream View – Boater 6	. 26
Photo 3-15: Rawson Island - Center Channel Entrance - Upstream View	. 27
Photo 3-16: Rawson Island - Center Channel Entrance - South View	. 27
Photo 3-17: Rawson Island – Center Channel Entrance – Downstream View	. 28
Photo 3-18: Rock Dam – Boaters 7, 8	
Photo 3-19: Take-Out #2 – Downstream View	. 29
Flow #4	.30
Flow #4 Photo 4-01: Put-In #1	
	. 30
Photo 4-01: Put-In #1	. 30 . 30
Photo 4-01: Put-In #1 Photo 4-02: Peskeomskut Island – Center Channel – Upstream View	. 30 . 30 . 31
Photo 4-01: Put-In #1 Photo 4-02: Peskeomskut Island – Center Channel – Upstream View Photo 4-03: Peskeomskut Island – Center Channel – Upstream View – Boaters 7, 8	. 30 . 30 . 31 . 31



Photo 1-01: View from Put-In #1



Photo 1-02: View from Put-In #1



Photo 1-03: Peskeomskut Island – Center Channel – Upstream View



Photo 1-04: Peskeomskut Island – Center Channel – Upstream View – Boaters 1, 2



Photo 1-05: Peskeomskut Island – Center Channel – Downstream View – Boaters 1, 2



Photo 1-06: Peskeomskut Island – Right Channel – Boaters 7, 8, 9



Photo 1-07: View from Put-In #2 Upstream toward Peskeomskut – Center Channel – Boaters 5, 10



Photo 1-08: View from Put-In #2 Upstream toward Peskeomskut – Center Channel – Boaters 5, 10



Photo 1-09: Rawson Island – Right Channel Entrance – Upstream View – Boaters 9, 5, 10

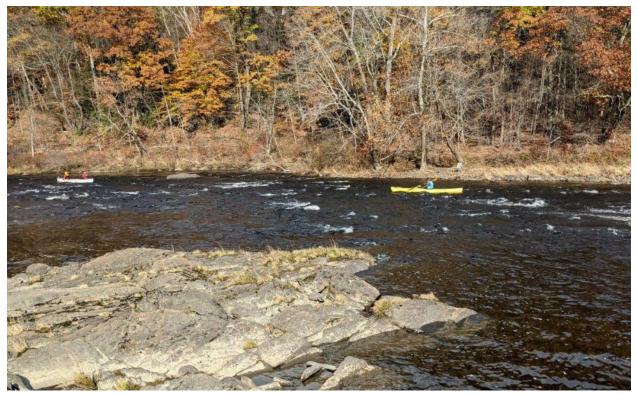


Photo 1-10: Rawson Island – Right Channel Entrance – Downstream View – Boaters 1, 2, 9



Photo 1-11: Rawson Island – Center Channel Entrance – Upstream View – Boaters 7, 8

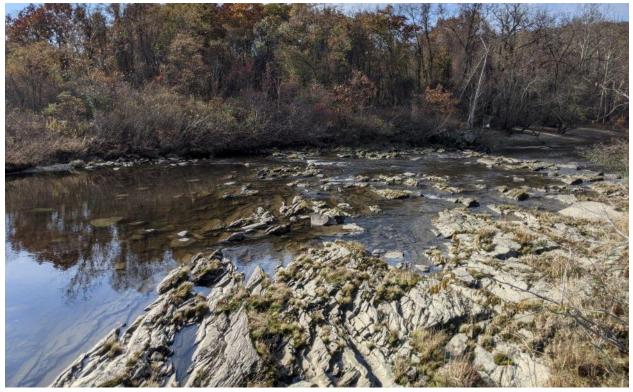


Photo 1-12: Rawson Island – Center Channel Entrance – Downstream View



Photo 2-01: Put-In #1



Photo 2-02: Put-In #1

Turners Falls Hydroelectric Project (No. 1889) TURNERS FALLS BOATING STUDY REPORT



Photo 2-03: View from Put-In #1



Photo 2-04: Peskeomskut Island – Center Channel – Upstream View



Photo 2-05: Peskeomskut Island – Center Channel – Upstream View – Boaters 1, 2



Photo 2-06: Peskeomskut Island – Center Channel – Downstream View – Boaters 1, 2

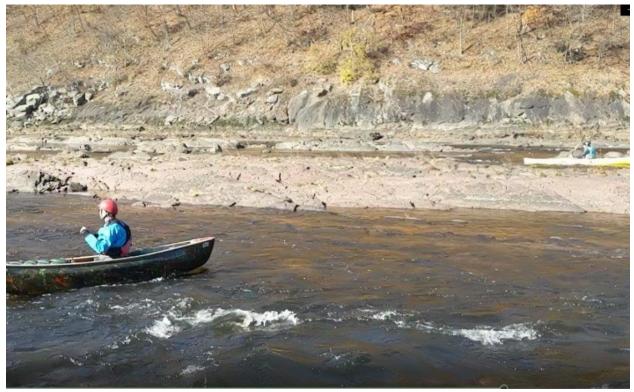


Photo 2-07: Peskeomskut Island – Center (foreground) + Right (background) Channels – Boaters 4, 9



Photo 2-08: View from Put-In #2 Upstream toward Peskeomskut – Center Channel – Boater 4



Photo 2-09: View from Put-In #2 Upstream toward Peskeomskut – Center Channel – Boater 4



Photo 2-10: Rawson Island – Right Channel Entrance – Upstream View – Boaters 1, 2, 5, 10



Photo 2-11: Rawson Island – Right Channel Entrance – Downstream View – Boaters 1, 2, 5, 10



Photo 2-12: Rawson Island – Right Channel Midsection– Upstream View – Boaters 5, 10

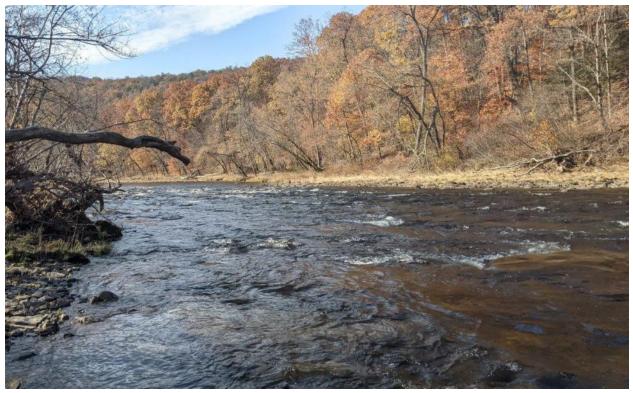


Photo 2-13: Rawson Island – Right Channel Midsection – Downstream View



Photo 2-14: Rawson Island – Center Channel Entrance – Upstream View



Photo 2-15: Rawson Island – Center Channel Entrance – South View

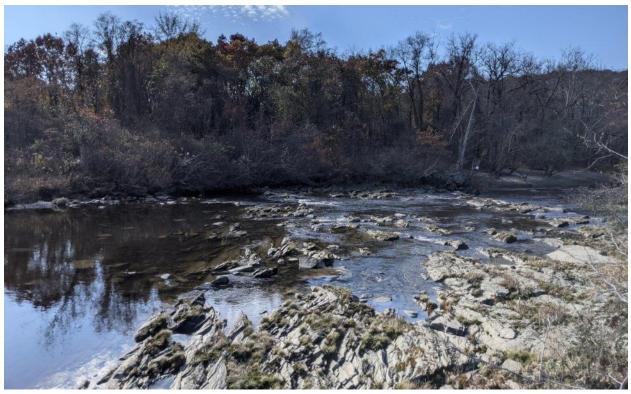


Photo 2-16: Rawson Island – Center Channel Entrance – Downstream View



Photo 2-17: Rawson Island – Left Channel – Upstream View

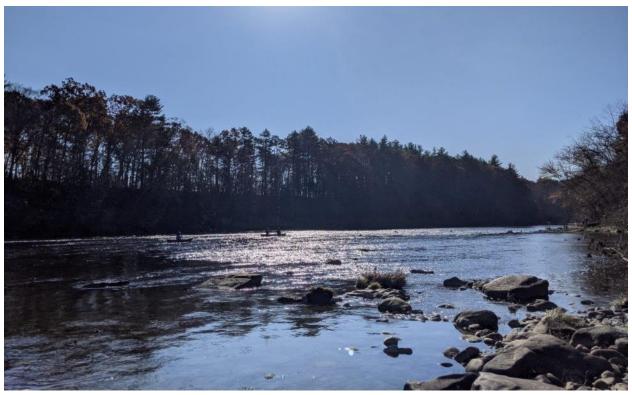


Photo 2-18: Rawson Island – Left Channel – Downstream View – Boaters 4, 7, 8

Turners Falls Hydroelectric Project (No. 1889) TURNERS FALLS BOATING STUDY REPORT



Photo 2-19: Rock Dam



Photo 2-20: Take-Out #2 – Upstream View



Photo 2-21: Take-Out #2 – Downstream View



Photo 3-01: Peskeomskut Island – Center Channel – Upstream View – Boaters, 1, 2



Photo 3-02: Peskeomskut Island – Center Channel – Downstream View – Boaters, 1, 2

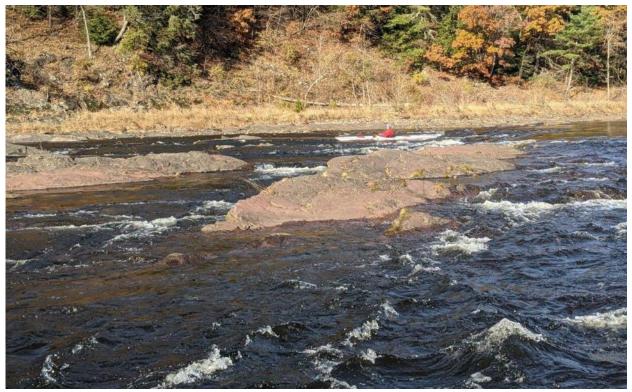


Photo 3-03: Peskeomskut Island – Center (foreground) + Right (background) Channels – Boater 6

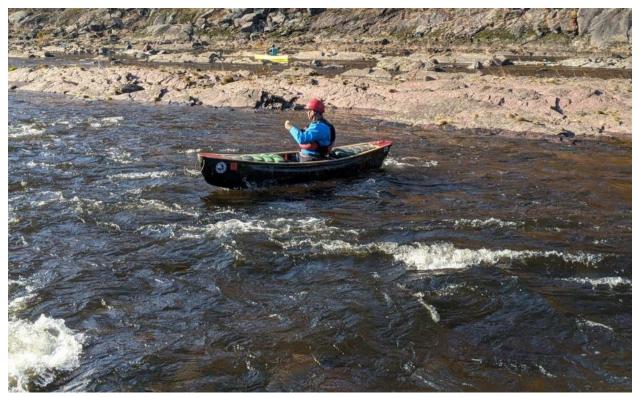


Photo 3-04: Peskeomskut Island – Center (foreground) + Right (background) Channels – Boaters 4, 9



Photo 3-05: Peskeomskut Island – Left Channel – North View



Photo 3-06: Put-In #2 – Access Trail – Upstream View



Photo 3-07: Put-In #2 – Access Trail – Downstream View



Photo 3-08: View from Put-In #2 Upstream toward Peskeomskut – Center Channel – Boaters 1, 2



Photo 3-09: View from Put-In #2 Upstream toward Peskeomskut – Center Channel – Boaters 1, 2



Photo 3-10: View from Put-In #2 Upstream toward Peskeomskut – Right Channel – Boater 6



Photo 3-11: Rawson Island – Right Channel Entrance – Upstream View – Boaters 5, 10



Photo 3-12: Rawson Island – Right Channel Entrance – Downstream View – Boaters 5, 10



Photo 3-13: Rawson Island – Right Channel Midsection – Upstream View – Boater 6



Photo 3-14: Rawson Island – Right Channel Midsection – Downstream View – Boater 6



Photo 3-15: Rawson Island – Center Channel Entrance – Upstream View



Photo 3-16: Rawson Island – Center Channel Entrance – South View



Photo 3-17: Rawson Island – Center Channel Entrance – Downstream View



Photo 3-18: Rock Dam – Boaters 7, 8



Photo 3-19: Take-Out #2 – Downstream View



Photo 4-01: Put-In #1



Photo 4-02: Peskeomskut Island – Center Channel – Upstream View

Turners Falls Hydroelectric Project (No. 1889) TURNERS FALLS BOATING STUDY REPORT



Photo 4-03: Peskeomskut Island – Center Channel – Upstream View – Boaters 7, 8



Photo 4-04: Peskeomskut Island – Center (foreground) + Right (background) Channels – Boaters 4, 5, 10



Photo 4-05: Peskeomskut Island – Center Channel – Downstream View – Boaters 3, 4



Photo 4-06: Peskeomskut Island – Right Channel –Boaters 5, 10