



120 Hatchery Way, Ellsworth, ME 04605-3501

May 2, 2022

John Perry
Maine Dept of Inland Fisheries & Wildlife
248 State Street, 41 SHS
Augusta, ME 04333-0041

RE: Green Lake Project (P-7189) Relicensing.

Dear Mr. Perry,

The FERC has requested additional information for our Final License Application.

The request requires that we provide a copy of the letter to all agencies and Indian tribes, that we will consult, in preparing our response.

Green Lake Water Power would like to consult with MDIFW in preparing our response to several of the FERC's questions, especially the following request in Schedule B:

Exhibit E - Aquatic Resources

8. Section 5.4.5.2 of the application states that landlocked salmon spawn in the tributaries of Green Lake, but provides no other information regarding when and where salmon spawn. So that Commission staff can better understand the potential effects of the annual impoundment drawdown on landlocked salmon spawning, please identify the following information to the extent it is already available: (1) the tributaries where landlocked salmon spawn; (2) the locations within those tributaries where salmon spawning occurs (e.g., near the mouth of the tributary or the approximate distance upstream of Green Lake); and (3) describe any potential barriers to fish passage within the drawdown zone.

The letter, 'Reference: Deficiency of License Application and Additional Information Request' is attached.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Caroline Kleinschmidt'.

Caroline Kleinschmidt
Relicensing Coordinator
Green Lake Water Power Company

Caroline Kleinschmidt

From: Perry, John <John.Perry@maine.gov>
Sent: Friday, July 15, 2022 1:29 PM
To: caroline@greenlakewaterpower.com
Cc: Burr, Gregory
Subject: RE: Green Lake Project (P-7189) Relicensing

Categories: GreenLakeWaterPower

Hi Caroline,

Sorry for the delay on my part. Speaking with our regional fisheries biologist (Greg Burr, cc'd), there are no barriers to landlocked salmon spawning in the tributaries at Green Lake within the drawdown zone. An important thing to remember is that the fish spawned in these tributaries before the dams were put in. Finally, we find that landlock salmon can easily jump over a 21-inch elevation change.

I hope this helps,

John

John Perry
Environmental Review Coordinator
Maine Department of Inland Fisheries and Wildlife
353 Water Street, 41 SHS
Augusta, Maine 04333-0041
Cell (207) 446-5145
www.mefishwildlife.com



Correspondence to and from this office is considered a public record and may be subject to a request under the Maine Freedom of Access Act. Information that you wish to keep confidential should not be included in email correspondence.

From: caroline@greenlakewaterpower.com <caroline@greenlakewaterpower.com>
Sent: Wednesday, June 29, 2022 8:35 AM
To: Perry, John <John.Perry@maine.gov>
Subject: Green Lake Project (P-7189) Relicensing

EXTERNAL: This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi John,

We are preparing to respond to the FERC's requests for additional information. We believe that MDIFW has knowledge on landlocked salmon in Green Lake that could provide guidance during this process.

The specific information the FERC is looking for is: (1) the tributaries where landlocked salmon spawn; (2) the locations within those tributaries where salmon spawning occurs (e.g., near the mouth of the tributary or the approximate distance upstream of Green Lake); and (3) any potential barriers to fish passage within the drawdown zone.

The FERC notes that they are looking for information to the extent it is already available, so if you could respond with any information you already have available that would be great.

We are planning a survey trip around Green Lake. One of the purposes of that trip is to look for potential barriers at the mouths of the tributaries that could be worsened by the fall drawdown. The fall drawdown is a maximum of 2.2 feet from the summer minimum level. What types of conditions do you know of that could provide significant barriers to salmon with a water level change in this range? Is there a maximum slope they can negotiate, or a minimum water depth on a slope or level area?

Thanks for your help.

Regards,

Caroline

Relicensing Coordinator

Green Lake Water Power Company

Caroline Kleinschmidt

From: Perry, John <John.Perry@maine.gov>
Sent: Tuesday, September 10, 2019 9:51 AM
To: Caroline Kleinschmidt
Subject: RE: FERC Request for additional information for the Green Lake Project P-7189

Hi Caroline,

Sorry I wasn't clearer earlier.

2—Landlocked salmon mainly spawn in the lower quadrants of each of those tributaries where the substrate is appropriate (no exact distances, just in the lower reaches of these tributaries). As stated earlier, we do not think that the project operations are impacting landlocked salmon spawning in the tributaries.

3—we do not know where or when char spawn in Green Lake. In nearby Flood's Pond they generally spawn between October 20 and November 7, so we expect similar timing at Green Lake.

Hope that helps!

John

John Perry
Environmental Review Coordinator
Maine Department of Inland Fisheries and Wildlife
284 State Street, 41 SHS
Augusta, Maine 04333-0041
Tel (207) 287-5254; Cell (207) 446-5145
Fax (207) 287-6395
www.mefishwildlife.com



Correspondence to and from this office is considered a public record and may be subject to a request under the Maine Freedom of Access Act. Information that you wish to keep confidential should not be included in email correspondence.

From: Caroline Kleinschmidt <caroline@bertandcaroline.com>
Sent: Monday, September 09, 2019 8:25 PM
To: Perry, John <John.Perry@maine.gov>
Subject: RE: FERC Request for additional information for the Green Lake Project P-7189

EXTERNAL: This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi John,

Thank you very much for the data you have sent me.

I have (1) the tributaries where landlocked salmon spawn,
I don't have (2) the locations within those tributaries where salmon spawning occurs (e.g., near the mouth of the tributary or the approximate distance upstream of Green Lake),
You were working on (3) the locations in Green Lake where Arctic char spawn, and
I have this one for salmon but not for char (4) the approximate dates of the spawning period for the Green Lake population of each species.

So, if you have any more specifics on (2) the locations within those tributaries where salmon spawning occurs (e.g., near the mouth of the tributary or the approximate distance upstream of Green Lake),
Or have made any headway on (3) the locations in Green Lake where Arctic char spawn and (4) when

We'd love to know.

We will be sending in our Proposed Study Plan at the end of this week so if you have some more data on this then great, if not, no problem!

We really appreciate your help!

Thanks, Caroline

From: Perry, John <John.Perry@maine.gov>
Sent: Friday, August 23, 2019 5:51 AM
To: Caroline Kleinschmidt <caroline@bertandcaroline.com>
Subject: RE: FERC Request for additional information for the Green Lake Project P-7189

Good morning Caroline,

Here is some additional information regarding landlocked salmon in Green Lake:

Green Lake supports one of the four original 4 wild landlocked salmon strains in Maine. This spawning has historically occurred in these sections of the stream well before the dam was put in and the current lake levels have very little influence on spawning success. The timing of salmon spawning happens between the last week in October and the middle of November.

I hope this helps--please let me know if you have any questions.

John

John Perry
Environmental Review Coordinator
Maine Department of Inland Fisheries and Wildlife
284 State Street, 41 SHS
Augusta, Maine 04333-0041
Tel (207) 287-5254; Cell (207) 446-5145
Fax (207) 287-6395
www.mefishwildlife.com



Correspondence to and from this office is considered a public record and may be subject to a request under the Maine Freedom of Access Act. Information that you wish to keep confidential should not be included in email correspondence.

From: Caroline Kleinschmidt <caroline@bertandcaroline.com>
Sent: Monday, August 19, 2019 4:16 PM
To: Perry, John <John.Perry@maine.gov>
Subject: RE: FERC Request for additional information for the Green Lake Project P-7189

EXTERNAL: This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi John,
Thank you very much!
Regards, Caroline

From: Perry, John <John.Perry@maine.gov>
Sent: Monday, August 19, 2019 8:27 AM
To: Caroline Kleinschmidt <caroline@bertandcaroline.com>
Subject: RE: FERC Request for additional information for the Green Lake Project P-7189

Good morning Caroline,

Landlocked salmon spawn in the following tributaries to Green Lake: Mann Brook, Jellison Brook, Great Brook and Sucker Brook. Our regional fisheries staff know the approximate locations of where these fish spawn, and I'll work with them to get you more specific information as soon as possible. Salmon are also fall spawners (generally October through November), but I'll also get better site-specific timing for you.

Regarding char: we do not know where char spawn. That said, staff are currently in the process of resurveying Green Lake for char, and we'll share whatever information we get from our surveys as soon as it is available.

John

John Perry
Environmental Review Coordinator
Maine Department of Inland Fisheries and Wildlife
284 State Street, 41 SHS
Augusta, Maine 04333-0041
Tel (207) 287-5254; Cell (207) 446-5145
Fax (207) 287-6395
www.mefishwildlife.com



Correspondence to and from this office is considered a public record and may be subject to a request under the Maine Freedom of Access Act. Information that you wish to keep confidential should not be included in email correspondence.

From: Caroline Kleinschmidt <caroline@bertandcaroline.com>
Sent: Thursday, August 08, 2019 9:55 PM
To: Perry, John <John.Perry@maine.gov>
Subject: FERC Request for additional information for the Green Lake Project P-7189

EXTERNAL: This email originated from outside of the State of Maine Mail System. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi John,

We have received a request for additional information from Bill Connelly at FERC.

The first request is regarding landlocked salmon and Arctic char. I am including the specific piece from the document below and the full document from FERC is attached. Are you able to help answer some or all of this question ?

Fisheries Resources

1. Section 6.1.3 of the PAD states that landlocked salmon spawn in the tributaries of Green Lake, but provides no other information regarding when and where salmon spawn. In addition, section 6.1.3 of the PAD states that Arctic char are present in Green Lake, but provides no other information regarding Arctic char spawning behavior at the project. So that staff can better understand the potential effects of the annual impoundment drawdown on landlocked salmon and Arctic char, please identify to the extent possible: (1) the tributaries where landlocked salmon spawn, (2) the locations within those tributaries where salmon spawning occurs (*e.g.*, near the mouth of the tributary or the approximate distance upstream of Green Lake), (3) the locations in Green Lake where Arctic char spawn, and (4) the approximate dates of the spawning period for the Green Lake population of each species.

Thank you very much,
Caroline Kleinschmidt
Relicensing Coordinator
Green Lake Water Power Co.