CR-01 CULTURAL RESOURCES DATA SYNTHESIS
PROPOSED STUDY PLAN

SKAGIT RIVER HYDROELECTRIC PROJECT
FERC NO. 553

Seattle City Light

December 2020
PSP
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Introduction</td>
<td>1-1</td>
</tr>
<tr>
<td>1.1</td>
<td>General Description of the Project</td>
<td>1-1</td>
</tr>
<tr>
<td>1.2</td>
<td>Relicensing Process</td>
<td>1-1</td>
</tr>
<tr>
<td>1.3</td>
<td>Study Plan Development</td>
<td>1-2</td>
</tr>
<tr>
<td>2.0</td>
<td>Study Plan Elements</td>
<td>2-1</td>
</tr>
<tr>
<td>2.1</td>
<td>Study Goals and Objectives</td>
<td>2-1</td>
</tr>
<tr>
<td>2.1.1</td>
<td>Goals</td>
<td>2-1</td>
</tr>
<tr>
<td>2.1.2</td>
<td>Objectives</td>
<td>2-1</td>
</tr>
<tr>
<td>2.2</td>
<td>Resource Management Goals</td>
<td>2-1</td>
</tr>
<tr>
<td>2.3</td>
<td>Background and Existing Information</td>
<td>2-2</td>
</tr>
<tr>
<td>2.4</td>
<td>Project Operations and Effects on Resources</td>
<td>2-3</td>
</tr>
<tr>
<td>2.5</td>
<td>Study Area</td>
<td>2-3</td>
</tr>
<tr>
<td>2.6</td>
<td>Methodology</td>
<td>2-6</td>
</tr>
<tr>
<td>2.6.1</td>
<td>Step 1</td>
<td>2-6</td>
</tr>
<tr>
<td>2.6.2</td>
<td>Step 2</td>
<td>2-6</td>
</tr>
<tr>
<td>2.6.3</td>
<td>Step 3</td>
<td>2-6</td>
</tr>
<tr>
<td>2.6.4</td>
<td>Step 4</td>
<td>2-7</td>
</tr>
<tr>
<td>2.6.5</td>
<td>Step 5</td>
<td>2-7</td>
</tr>
<tr>
<td>2.6.6</td>
<td>Step 6</td>
<td>2-7</td>
</tr>
<tr>
<td>2.6.7</td>
<td>Step 7</td>
<td>2-7</td>
</tr>
<tr>
<td>2.7</td>
<td>Consistency with Generally Accepted Scientific Practice</td>
<td>2-8</td>
</tr>
<tr>
<td>2.8</td>
<td>Schedule</td>
<td>2-8</td>
</tr>
<tr>
<td>2.9</td>
<td>Level of Effort and Cost</td>
<td>2-9</td>
</tr>
<tr>
<td>3.0</td>
<td>References</td>
<td>3-1</td>
</tr>
</tbody>
</table>

## List of Figures

<table>
<thead>
<tr>
<th>Figure No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 2.5-1.</td>
<td>Location map of the Skagit River Hydroelectric Project APE.</td>
<td>2-5</td>
</tr>
</tbody>
</table>

## List of Attachments

- Attachment A  City Light Responses to LP Comments on the Study Plan
**List of Acronyms and Abbreviations**

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Full Form</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACHP</td>
<td>Advisory Council on Historic Preservation</td>
</tr>
<tr>
<td>APE</td>
<td>area of potential effects</td>
</tr>
<tr>
<td>CFR</td>
<td>Code of Federal Regulations</td>
</tr>
<tr>
<td>City Light</td>
<td>Seattle City Light</td>
</tr>
<tr>
<td>CRWG</td>
<td>Cultural Resources Work Group</td>
</tr>
<tr>
<td>DAHP</td>
<td>Department of Archaeology and Historic Preservation</td>
</tr>
<tr>
<td>DMS</td>
<td>Document Management System</td>
</tr>
<tr>
<td>ELC</td>
<td>Environmental Learning Center</td>
</tr>
<tr>
<td>EO</td>
<td>executive order</td>
</tr>
<tr>
<td>FERC</td>
<td>Federal Energy Regulatory Commission</td>
</tr>
<tr>
<td>HPI</td>
<td>historic property inventory</td>
</tr>
<tr>
<td>HPMP</td>
<td>Historic Properties Management Plan</td>
</tr>
<tr>
<td>LP</td>
<td>licensing participant</td>
</tr>
<tr>
<td>MOA</td>
<td>Memorandum of Agreement</td>
</tr>
<tr>
<td>NHPA</td>
<td>National Historic Preservation Act</td>
</tr>
<tr>
<td>NNTC</td>
<td>Nlaka’pamux Nation Tribal Council</td>
</tr>
<tr>
<td>NPS</td>
<td>National Park Service</td>
</tr>
<tr>
<td>NRA</td>
<td>National Recreation Area</td>
</tr>
<tr>
<td>NRHP</td>
<td>National Register of Historic Places</td>
</tr>
<tr>
<td>O&amp;M</td>
<td>operations and maintenance</td>
</tr>
<tr>
<td>PAD</td>
<td>Pre-Application Document</td>
</tr>
<tr>
<td>Project</td>
<td>Skagit River Hydroelectric Project</td>
</tr>
<tr>
<td>PSP</td>
<td>Proposed Study Plan</td>
</tr>
<tr>
<td>PTRCI</td>
<td>properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization</td>
</tr>
<tr>
<td>RCW</td>
<td>Revised Code of Washington</td>
</tr>
<tr>
<td>RLNRA</td>
<td>Ross Lake National Recreation Area</td>
</tr>
<tr>
<td>RM</td>
<td>river mile</td>
</tr>
<tr>
<td>RWG</td>
<td>Resource Work Group</td>
</tr>
<tr>
<td>SITC</td>
<td>Swinomish Indian Tribal Community</td>
</tr>
<tr>
<td>SSIT</td>
<td>Sauk-Suiattle Indian Tribe</td>
</tr>
</tbody>
</table>
STI..............................Stillaguamish Tribe of Indians
TCP ...........................traditional cultural property
U&A............................Usual and Accustomed Use Areas
USFS..........................U.S. Forest Service
WISAARD.....................Washington Information System for Architectural and Archaeological Records Data
1.0 INTRODUCTION

1.1 General Description of the Project

The Skagit River Hydroelectric Project (Project), licensed to The City of Seattle, Washington, and operated through its publicly-owned electric power utility Seattle City Light (City Light), is located in northern Washington State and consists of three power generating developments on the Skagit River – Ross, Diablo, and Gorge – and associated lands and facilities. The Project generating facilities are in the Cascade Mountains of the upper Skagit River watershed, between river miles (RM) 94 and 127. Power from the Project is transmitted via two 230-kilovolt powerlines that span over 100 miles and end just north of Seattle at the Bothell Substation. The Project also includes two City Light-owned towns, an Environmental Learning Center (ELC), several recreation facilities, and several parcels of fish and wildlife mitigation lands.

Project generating facilities are all located in Whatcom County, although Ross Lake, the most upstream reservoir, crosses the U.S.-Canada border and extends for about one mile into British Columbia at normal maximum water surface elevation. Gorge Powerhouse, the most downstream facility, is approximately 120 miles northeast of Seattle and 60 miles east of Sedro-Woolley, the nearest large town. The closest town is Newhalem, which is part of the Project and just downstream of Gorge Powerhouse. The primary transmission lines cross Whatcom, Skagit, and Snohomish counties; the fish and wildlife mitigation lands are in the same counties.

The Project Boundary is extensive, spanning over 133 miles from the Canadian border to the Bothell Substation just north of Seattle, Washington. In addition, there are “islands” of fish and wildlife mitigation lands and recreation facilities within the Skagit, Sauk, and South Fork Nooksack watersheds that are also within the Project Boundary. Project generating facilities are entirely within the Ross Lake National Recreation Area (RLNRA), which is administered by the National Park Service (NPS) as part of the North Cascades National Park Complex. The RLNRA was established in 1968 in the enabling legislation for North Cascades National Park to provide for the “public outdoor recreation use and enjoyment of portions of the Skagit River and Ross, Diablo, and Gorge lakes.” The legislation maintains the Federal Energy Regulatory Commission’s (FERC) jurisdiction “in the lands and waters within the Skagit River Hydroelectric Project,” as well as hydrologic monitoring stations necessary for the proper operation of the Project (16 United States Code [U.S.C.] § 90d-4; Public Law 90-544. Sec. 505 dated October 2, 1968, as amended by Public Law 100-668. Sec. 202 dated November 16, 1988).

1.2 Relicensing Process

The current FERC license for the Project expires on April 30, 2025, and City Light will apply for a new license no later than April 30, 2023. City Light formally initiated the relicensing process by filing a Notice of Intent and Pre-Application Document (PAD) with FERC on April 27, 2020 (City Light 2020). The PAD includes descriptions of the Project facilities, operations, license requirements, and Project lands as well as a summary of the extensive existing information available on Project area resources and early consultation on potential resource issues to be addressed during the relicensing. The PAD also includes an outline of the goals and objectives of this study.
In 2019-2020, City Light convened a series of Resource Work Groups (RWG) to engage agencies and other licensing participants (LP) in the study plan development process. This study plan reflects RWG discussion and study requests and comments submitted by LPs.

### 1.3 Study Plan Development

Relicensing of the Project by FERC is considered a federal undertaking under Section 106 of the National Historic Preservation Act (NHPA), as amended, and its implementing regulations (36 Code of Federal Regulations [CFR] § 800). Section 106 establishes a process for federal agencies to identify and take into account the effects of their undertakings on historic properties, as defined below:

> Historic property means any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places (NRHP) maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization [PTRCI] and that meet the National Register criteria [36 CFR § 800.16(l)(1)].

City Light’s continued operations and maintenance (O&M) of the Project under a new FERC license may affect historic properties. Therefore, City Light is proposing four studies to assist FERC with its Section 106 compliance requirements. These studies consist of:

1. CR [cultural resources]-01 Cultural Resources Data Synthesis
2. CR-02 Cultural Resources Survey
3. CR-03 Gorge Bypass Reach Cultural Resources Survey
4. CR-04 Inventory of Historic Properties with Traditional Cultural Significance Study

In early 2019, the Cultural Resources Work Group (CRWG) identified the need to develop a baseline of cultural resources information. On October 11, 2019, City Light released the Cultural Resources Data Synthesis Draft Study Plan to the CRWG for review and comment. On October 16, 2019, the draft study plan was discussed at a CRWG meeting. City Light reviewed all comments received and released a revised version of the draft study plan on March 5, 2020. The revised draft was discussed on March 19, 2020 at a CRWG meeting. City Light reviewed additional comments received and released a second revised version of the draft study plan on April 3, 2020. Written comments were received from the Department of Archaeology and Historic Preservation (DAHP), NPS, the Upper Skagit Indian Tribe, Stó:lō First Nation, Stillaguamish Tribe of Indians, and Nlaka’pamux Nation and responded to in an attachment to this study plan.

City Light is filing this study plan with FERC as part of its Proposed Study Plan (PSP), incorporating additional consultation prior to the filing date. No formal study requests related to this study were filed with FERC. However, this study will provide information requested as part of the following study requests: NNTC-01 Completion of Traditional Cultural Property Survey, NNTC-02 Evaluation of Identified Sites, NNTC-04 Traditional Cultural Properties Mitigation and Management Study, SITC-03 Cultural Resources Study, SSIT-04 Cultural Resources
Transmission Line Study, SSIT-05 Cultural Resources Battle Site Study, and STI-01 Comprehensive Ethnographic Study. The data compiled in City Light’s Cultural Resources Data Synthesis Study will also provide baseline information relevant to the three other study plans City Light proposes at this time: Cultural Resources Survey, Gorge Bypass Reach Cultural Resources Survey, and Inventory of Historic Properties with Traditional Cultural Significance Study. Since the results of this study will inform efforts in other study plans, this Cultural Resources Data Synthesis Study Plan was identified for early implementation by participants in the CRWG, and City Light began collecting data necessary during 2020, with a draft report expected in first quarter 2021.
2.0 STUDY PLAN ELEMENTS

2.1 Study Goals and Objectives

Section 106 of the NHPA requires federal agencies to take into account the effects of their undertakings on historic properties and includes procedures for the “identification…and evaluation of historic properties” (36 CFR § 800.4). The Cultural Resources Data Synthesis will be used to establish a baseline dataset for known cultural resources within the study area, which is defined in Section 2.5 below. The study entails reviewing existing information to summarize baseline cultural resources data and identify information gaps.

2.1.1 Goals

The goal of this study is to develop a baseline dataset for known cultural resources within the study area. This information will facilitate the design of other relicensing studies, an assessment of effects, and inform cultural resource management plans in compliance with Section 106 of the NHPA and other applicable federal and state laws and regulations, executive orders (EO), and FERC guidelines.

2.1.2 Objectives

(1) Collate and synthesize existing archaeological, historical, and ethnographic data within the study area.

(2) Provide documentation of American Indian and Canadian First Nation affiliations and associations to the study area.

(3) Share dataset in tabular format with the CRWG to collectively build upon the baseline of information.

(4) Analyze the dataset to identify data gaps and potential steps to fill those gaps (e.g., updates, new studies, and consultation).

(5) Analyze the dataset to identify areas of potential direct and indirect Project effects.

(6) Describe the baseline condition of cultural resources for use in identifying protection, mitigation, and enhancement measures and management plans.

(7) Provide status of previous Memorandums of Agreement (MOA) and associated stipulations.

City Light and LPs providing information will identify which information collected by this study is confidential, and access to this information will be limited based on how LPs designate which individuals from their organization should have access to confidential documents and information. Note that separate reporting will be necessary for historic resources (e.g., built environment) as historic resources data are generally not considered to be confidential. Archaeological and tribal cultural resources will be confidential to the extent allowable under applicable federal and state laws (Revised Code of Washington [RCW] 42.56.300, 16 U.S.C. 470hh(a)).

2.2 Resource Management Goals

This section summarizes City Light’s goals related to the resources discussed in this study plan.
City Light’s goal is to have accurate cultural resources information for assessing potential Project-related effects on historic properties and for informing an Historic Properties Management Plan (HPMP) for the Project. This goal assists City Light in meeting its obligations with the following laws, regulations, EOs, and guidelines:

- Section 106 of the NHPA
- American Indian Religious Freedom Act
- Archaeological Resources Protection Act
- Native American Graves Protection and Repatriation Act
- Organic Act of 1897
- EO 13007 (Indian Sacred Sites)
- EO 13175 (Indian Tribal Consultation)
- Indian Treaties (Point Elliot, Medicine Creek)
- Boldt Decision
- FERC Policy Statement on Consultation with Indian Tribes in Commission Proceedings, Order 635
- RCW Chapter 27.53 (Archaeological Sites and Resources)
- RCW Chapter 27.44 (Indian Graves and Records)
- RCW Chapter 42.56.300 (Public Records Act regarding archaeological sites/traditional cultural properties [TCP])
- NPS management policies

2.3 Background and Existing Information

Existing information includes prior studies conducted by or for City Light, NPS, and American Indian tribes and Canadian First Nations, as well as studies completed for other projects that overlap with the study area. The study will entail compiling a list of available cultural resources data for the study area including, but not limited to:

- Existing management plans and guidance documents
- Cultural resource surveys, testing, data recovery reports, and associated archives
- Monitoring reports and condition assessments
- Cultural resources site and property forms
- Ethnographic and traditional cultural studies
- Historic structures reports
- Historic maps
- Historic photographs
- Videos
• Audio recordings

A body of resources is available for review on City Light’s internal Document Management System (DMS) in both confidential and non-confidential sections. Outreach will also occur to the NPS, the U.S. Forest Service (USFS), and American Indian tribes and Canadian First Nations regarding existing documents or studies that are relevant to the study area but are not currently in City Light’s DMS. LPs contributing information will self-identify who should have access to confidential documents and share confidential information.

Additionally, information available on the Washington Information System for Architectural and Archaeological Records Data (WISAARD), as well as archives, libraries, and online sources will be reviewed and summarized. A list of known references is included in Section 3.

2.4 Project Operations and Effects on Resources

Potential effects that may be associated with this undertaking include any Project-related effects associated with the day-to-day operation and maintenance of the Project and any new activity proposed under the new license. Types of effects may include direct (i.e., the result of Project activities at the same time and place with no intervening cause), indirect (i.e., the result of Project activities later in time or further removed in distance but reasonably foreseeable), and/or cumulative (e.g., caused by a Project activity in combination with other non-Project past, present, and foreseeable future activities) (ACHP 2019). The baseline information collected for this study will be useful for formal evaluations of direct, indirect, and cumulative effects for each resource identified within the study area.

Section 106 of the NHPA requires federal agencies to consider direct, indirect, and cumulative adverse effects of their undertakings on historic properties. In this case, the undertaking is FERC’s issuance of a new license for the Project. 36 CFR § 800.5(a)(1) states that:

An adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the National Register in a manner that would diminish the integrity of the property’s location, design, setting, materials, workmanship, feeling, or association. Consideration shall be given to all qualifying characteristics of a historic property, including those that may have been identified subsequent to the original evaluation of the property’s eligibility for the National Register. Adverse effects may include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance or be cumulative.

2.5 Study Area

The study area is the area of potential effects (APE) and a one-mile literature review buffer around the APE, excluding areas across the Canadian border1. Under 36 CFR § 800.16(d), the APE is defined as “the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist.” Based on this regulatory definition, City Light proposes to define the APE for the suite of cultural

1 Though the study area does not extend into Canada, literature related to the Project vicinity into Canada will be reviewed to develop cultural context information as needed.
resources studies proposed for the relicensing of the Project, consistent with FERC’s standard definition applied at other hydropower projects across the U.S.:

The APE for this undertaking includes all lands within the FERC-approved Project Boundary. The APE also includes lands or properties outside the Project Boundary where Project operations or Project-related recreation activities or other enhancements may cause changes in the character or use of historic properties, if any such properties exist.

As FERC’s non-federal representative for carrying out informal Section 106 consultation, City Light is working with Section 106 consulting parties on the delineation of the APE. The APE is shown in Figure 2.5-1. City Light will submit the APE to the DAHP for review and concurrence in accordance with 36 CFR § 800.4(a)(1). City Light anticipates submitting the APE to DAHP prior to filing the RSP. During study implementation, it is possible that the relicensing process may identify Project-related activities outside of the APE that have the potential to affect historic properties, including those with traditional cultural significance. It is also possible that during relicensing, Project improvements may be proposed that are outside the original APE (e.g., recreation area improvements/modifications). If such areas are identified, the APE will be expanded to include these areas.

Information from a 1-mile literature review buffer will provide context for cultural resources associations in the surrounding landscape and help gauge the potential for Project effects beyond the APE.

---

2 On June 26, 2020, FERC issued a Notice of Intent to File License Application for a New License and Commencing Pre-filing Process within which FERC designated City Light as its non-federal representative for carrying out informal consultation pursuant to Section 106 (FERC Filing Accession no. 20200626-3024).

3 A larger scale mapbook of the APE is provided in an attachment included in CR-02 Cultural Resources Survey study plan.
Figure 2.5-1. Location map of the Skagit River Hydroelectric Project APE.
2.6 Methodology

Existing information concerning the study area will be gathered using steps to collate, synthesize, and disseminate available data as outlined below. No fieldwork is proposed as part of the study. The study will be undertaken by qualified cultural resources staff from Cardno, Cascadia Archaeology, and Cultural Geographics. The study will be directed by staff who meet the Secretary of Interior professional qualification standards (36 CFR § 61) for history, archeology, and architectural history, as well as ethnographers holding doctorates.

2.6.1 Step 1

Researchers will compile a list of available resources for the overall study area, i.e., the APE and one-mile literature review buffer, available at City Light, WISAARD, online maps and archives, and consultant libraries. The list of resources will build upon the references included in Section 3 of this document and references cited in the PAD sections 4.10, 4.11, and the privileged cultural resources appendix (Appendix G, Overview of the Ethnohistoric, Archaeological, and Historical Background of the Project Region) (City Light 2020). The available resources may include existing management plans and guidance documents, cultural resource surveys, archaeology/historic properties of religious and cultural significance site forms, monitoring reports, site condition assessments, traditional cultural studies, ethnohistoric and ethnographic literature and data, publicly available ethnohistorical and ethnographic reference materials from online and regional archives, historic structures reports, cultural landscape inventories/reports, maps, photographs, videos, audio recordings or other materials.

2.6.2 Step 2

Researchers will work with NPS and USFS to identify internal documents that may not be accessible on WISAARD, including documents that relate to areas outside the Project Boundary, but within the study area.

2.6.3 Step 3

Researchers will contact American Indian tribes and Canadian First Nations to solicit existing documents or studies including tribal resources and areas of tribal interest for the study area and interconnected resources (e.g., rivers, trails, traditions of trade and resource procurement) to complete the following tasks. This outreach is not formal consultation as defined under Section 106 of the NHPA.

1. Confirm all American Indian tribes and Canadian First Nations that have previously participated in and/or have expressed interest and/or concerns with the study area.

2. Potential interest, concerns, and associations with the geographical extent of the study area will be identified through several lines of examination and analysis, including treaties and Usual and Accustomed Use Areas (U&A) and associated historic properties and cultural resources (e.g., places, landscapes, objects, and ancestral/archaeological sites with traditional cultural significance) as defined by 36 CFR §800. It is important to note that treaty and U&A designations may not fully encompass entire geographic areas of traditional use or concern for some tribes. It is also important to point out that many American Indian tribes define their own U&As differently than the general outlines provided in the Boldt Decision.
2.6.4 Step 4
The researchers will prepare compiled lists of materials gathered during Steps 1 through 3 above. These lists will be included in draft reports prepared under Step 7 below, which will be provided to the CRWG and other interested parties with a schedule for their review with the intent of incorporating any additional relevant information that was missed during study plan development and in Steps 1 through 3 above.

2.6.5 Step 5
Cardno will work with City Light to add any relevant documents, maps, or photographs not already uploaded into the DMS and store them in limited-access confidential folders, as needed. These data may also include non-confidential materials from other research disciplines (e.g., geology, geomorphology, vegetation). Adding relevant data may include scanning hardcopy documents or updating digital documents to an optical character recognition to include them in the DMS. Confidential files will remain confidential and access will be limited to the extent allowed by state and federal law, but will include the cultural resources specialists identified by LPs, the consultants, and City Light who typically work with confidential information of this nature. LPs will self-identify the individuals from their agency who should have access to confidential documents.

2.6.6 Step 6
Researchers, in collaboration with City Light, will summarize the existing cultural resources MOAs and HPMP, annual reporting, and training associated with implementation of the current Project license. The state of curated collections, records management systems, and access will be assessed.

2.6.7 Step 7
Reports summarizing the findings will be prepared including one public report and two confidential reports. The public report will include the historic built environment resource data and summaries of archaeological and properties of religious and cultural significance data. The archaeological data and the properties of religious and cultural significance data will be fully summarized in two respective confidential reports.

The summary reports will include a short descriptive summary of each bibliographic reference and cultural resource and its relevance to the study area as a baseline for understanding the cultural resources. In addition, cultural resources will be included in tables that summarize resource age, date of recordation, date of historic property inventory (HPI), site, or TCP form completion; level of research (e.g., desktop, interview, reconnaissance or intensive survey, testing, etc.); resource eligibility determination; initial effects assessment (if available); proposed or completed mitigation; and recommendations concerning ways that Project operations and maintenance can avoid affecting the resource. Tables will also include previously conducted investigations in the APE and one-mile literature review buffer that identify survey acreage and dates. The summary

---

4 Archaeological and tribal resources will be confidential to the extent allowable under applicable federal and state laws. City Light’s consultants are subject to the same confidentiality considerations as City Light per executed contracts. Indian Tribes and First Nations may have additional confidentiality protocols with the information they provide.
The summary report will characterize the available information in order to:

1. Identify any additional consulting parties appropriate to be added based on known documented information and scope of the project (see 36 CFR § 800.3);
2. Identify resources that need to be evaluated for historic significance (see 36 CFR § 800.4);
3. Provide an initial assessment of potential effects on historic properties or unevaluated cultural resources to assist in the development of the APE; and
4. Prioritize resources (e.g., historic built environment, archaeology, or property of religious and cultural significance) for future surveys and recommendations for evaluating sites.

The summary report will also identify data gaps of information or types of studies. The data gaps will be useful for the CRWG to consider for future studies or management planning. Maps will be included in the report; those containing confidential site locational data would be only provided in the confidential summary report.

A public (non-confidential) version of this summary report will be produced, which will not include any confidential information. Historic resources are not considered confidential; however, archaeological and tribal resources and properties of religious and cultural significance are considered confidential under federal and state laws.

Draft and final reports will be provided to the CRWG through the project SharePoint site or other transmittal methods for which access is restricted. Archaeological and tribal resources will be confidential to the extent allowable under applicable federal and state laws. City Light’s consultants are subject to the same confidentiality considerations as City Light per executed contracts. Indian Tribes and First Nations may have additional confidentiality protocols with the information they provide.

2.7 Consistency with Generally Accepted Scientific Practice

The study will follow standard methodology for a literature review and will be completed in compliance with Section 106 of the NHPA and in accordance with the DAHP’s Washington State Standards for Cultural Resources Reporting and FERC’s guidelines for cultural resources reporting. The study will also include requesting information on known tribal interests as defined by each Indian tribe and/or First Nation regarding cultural resources within the study area. Coordination with participating American Indian tribes and Canadian First Nations may lead to a synthesis of new perspectives on relevancy or previously undocumented information relevant to identification of resources within the study area.

2.8 Schedule

- Study Plan
  - Proposed study plan in PAD (March 2020)
- Review and comment by CRWG and LPs (March–April 2020)
  - Document collection and review (February–November 2020)
  - Summary Reports
    - Draft summary reports will be produced and submitted to CRWG for review and comment in early 2021.
    - Final summary reports will incorporate CRWG comments as feasible and will be produced by April 2021.

2.9 Level of Effort and Cost

Estimated cost: $186,000.
3.0 REFERENCES


FERC No. 553
Seattle City Light
December 2020
Cultural Resources Data Synthesis Proposed Study Plan


____. 2012b. Cultural Resources Assessment for the Consolidate Dubuque and Cascade Acres into Lake Stevens Water System Project, Snohomish County, WA. On file, Department of Archaeology and Historic Preservation, Olympia.


file, Department of Archaeology and Historic Preservation, Olympia.


Department of Archaeology and Historic Preservation, Olympia.


Inc. On file, Department of Archaeology and Historic Preservation, Olympia.


Miller, B.G. 2016a *The Contemporary Coast Salish: Essays by Bruce Granville Miller.* Memoir 12, Journal of Northwest Anthropology, Richland, WA.


No Author. 2001. National Park Service Cultural Landscapes Inventory. On file, Department of Archaeology and Historic Preservation, Olympia.


Rice, H. undated. The Ross High Dam Archaeological Survey. Report prepared for NPS.


Stipe, F. 2009. SEA Cavalero Corner, Alt. 2. On file, Department of Archaeology and Historic Preservation, Olympia.


---.1998b. In-Place Archaeological Site Conservation and Stabilization Bibliography. National Clearinghouse for Archaeological Site Stabilization, Center for Archaeological Research, University of Mississippi, University, Mississippi.


United States Army Engineer Waterways Experiment Station. 1988. The Archaeological Sites Protection and Preservation Notebook. Environmental Impact Research Program, Environmental Laboratory, Vicksburg, Mississippi.


CULTURAL RESOURCES DATA SYNTHESIS
PROPOSED STUDY PLAN

ATTACHMENT A

CITY LIGHT RESPONSES TO LP COMMENTS ON THE STUDY PLAN
<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Table of Contents</td>
<td>Please have an Appendix Section on page I for the MOAs, Settlement Agreements etc.</td>
<td>These are current license documents that can be provided as background. It is not necessary to attach them to this study plan.</td>
</tr>
<tr>
<td>2.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Table of Contents</td>
<td>Please have a List of Tables on page i</td>
<td>Entered List of Tables and RGW comment in Draft. Note that there are no tables in the study plan.</td>
</tr>
<tr>
<td>3.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>List of Acronyms and Abbreviations</td>
<td>Please include on page ii ACHP, MOA, Tribe Names if abbreviated in the text, Seattle City Light, NRA, etc. and others in the text that don’t appear on page ii.</td>
<td>Updated per comment. Not using abbreviated tribe names.</td>
</tr>
<tr>
<td>4.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2-1 Study Goals and Objectives</td>
<td>Page 2-5 Section 2.1 Please add a Goal (7) Detailing all Stipulations in prior MOAs and their status/completion/ date of completion.</td>
<td>Updated per comment.</td>
</tr>
<tr>
<td>5.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.2.1 City Light</td>
<td>Page 2-5 Section 2.2.1 add Settlement Agreements, MOAs to items on page 2.6</td>
<td>Updated per comment.</td>
</tr>
<tr>
<td>6.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.3 Background and Existing Information</td>
<td>Page 2-6, Section 2.3 add MOAs to list and also identify Section 110 responsibilities.</td>
<td>&quot;Management plans&quot; already in list - no change. Section 110 mentioned in Section 2.2 - does not need to be added to Section 2.3, which lists existing data.</td>
</tr>
<tr>
<td>7.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>Page 2-7 Section 2.4 paragraph 2 last sentence, please strikeout: In general, the Project Boundary encompasses all land necessary for operation of the Project.</td>
<td>Updated per comment.</td>
</tr>
<tr>
<td>8.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>Page 2-7 paragraph 3 please change should to shall: The APE shall include.</td>
<td>Updated per comment.</td>
</tr>
<tr>
<td>9.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.5 Study Area</td>
<td>Page 2-7 Please note that the APE definition have yet to occur but ultimately the Study Area will encompass the APE, correct?</td>
<td>Clarified sentence to state &quot;The APE will be defined by the CRWG in 2020 and shall include both direct and indirect effects.&quot;</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>10</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Figure 2.5-1 Overview of Study Area</td>
<td>Page 2-9. Additional Figures should show expanded specific areas like Ross Lake, Diablo Development, Gorge Development, etc.</td>
<td>Comment noted. No change. Detailed figures will be provided in the report. For the study plan, just the main figure is used with the Project Boundary depicted.</td>
</tr>
<tr>
<td>11</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology</td>
<td>Page 2-10 Section 2.6 Methodology should state clearly the effort will be based upon existing information and no(t) entail on-site field work that will be the subject to future relicensing work.</td>
<td>Clarified sentence to read: &quot;Existing information concerning the study area will be gathered using steps to collate, synthesize, and disseminate available data as outlined below. No fieldwork is proposed as part of the synthesis study.&quot;</td>
</tr>
<tr>
<td>12</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology</td>
<td>Page 2.10 Section 2.6 should also clearly state work will be done either by professional S[ecretary] of Interior qualified staff; consultants or Seattle City Light staff.</td>
<td>Added: &quot;The Synthesis Study will be undertaken by qualified cultural resources staff from Cardno, Cascadia, and Cultural Geographics. The study will be directed by staff who meet the Secretary of Interior professional qualification standards (36 CFR Part 61) for history, archeology, and architectural history, as well as ethnographers holding doctorates.&quot;</td>
</tr>
<tr>
<td>13</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>General</td>
<td>Need some discussion on quality control and how the assembled documents will be handled, organized and accessed. Please recall our conference call discussion regarding the secured server and public record law security on Seattle City Light vs. private corporate consultant server.</td>
<td>Added language to Section 2.8 that reads “Draft and final reports will be provided to the CRWG through the project SharePoint site for which access is restricted. Archaeological and tribal resources will be confidential to the extent allowable under applicable federal and state laws. City Light’s consultants are subject to the same confidentiality considerations as City Light per executed contracts. Indian Tribes and First Nations may have additional confidentiality protocols with the information</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------</td>
<td>-----------</td>
<td>--------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>14</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology Step 3</td>
<td>Page 2-10 states Step 3 need clarity on how the contact and by which agency contacts the consulting parties for information and what the role of the consultant is in relationship to the contact. Please note that cultural interest under 36CFR 800 is distinct from the referenced U&amp;As.</td>
<td>Text clarified to read: &quot;Researchers will Contact American Indian tribes and Canadian First Nations to solicit existing documents or studies including tribal resources and areas of interest for the study area and interconnected resources (e.g., rivers, trails, traditions of trade and resource procurement) to complete the following tasks. This outreach is not formal consultation as defined under Section 106 of the NHPA.&quot;</td>
</tr>
<tr>
<td>15</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology Step 6</td>
<td>Page 2-11 Step 6 notes tables on resource eligibility. Please also make sure there is a column for the date of the last on-site visit and the age of the existing site form.</td>
<td>Added to text.</td>
</tr>
<tr>
<td>16</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology Step 6</td>
<td>Page 2-11 Step 6 will also need a table and relevant maps detailing the extent of survey coverage, age of survey with a probable age of greater than 5 years, less than 5 years.</td>
<td>Added to text.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>December 2020 update: City Light will include a table summarizing this type of data. Maps are available on the WISAARD, DAHP’s online database. Maps of surveys will be integrated as appropriate in CR-02 and CR-03.</td>
</tr>
<tr>
<td>17</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology Step 6</td>
<td>Page 2-11 Step 6 will need a map and acreage of inaccessible/underwater areas.</td>
<td>Added to text.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>December 2020 update: Section updated to not include maps at this time, which are available on WISAARD. This information will be integrated as appropriate in CR-02 and CR-03 when developing the research designs for those field studies.</td>
</tr>
<tr>
<td>18</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology Step 7</td>
<td>Page 2-11 Step 7 will need an analysis and audit of the existing MOAs, and what remains to be accomplished or has not been accomplished.</td>
<td>Added to text.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>December 2020 update: Summary of existing MOAs added to study plan and will be included in report. Additional information is available in</td>
</tr>
</tbody>
</table>

Skagit River Hydroelectric Project  
FERC No. 553  
Attachment A Page 3  

Seattle City Light  
December 2020
<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology Step 7</td>
<td>Page 2-11 Step 7 needs to discuss the state of the curated collections, scope, records management systems, access etc.\</td>
<td>Added to text. December 2020 update: This information is in FERC 5-year cultural resources reports for the current license and will be reviewed during development of the HPMP for a new license.</td>
</tr>
<tr>
<td>20.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.6 Methodology Step 7</td>
<td>Page 2-11 Step 7 need to discuss and review the training elements and how that unfolded along with reporting required under MOAs and HPMPs.</td>
<td>Added to text. December 2020 update: Summary of existing MOAs added to study plan and will be included in the report. Additional information is available in the PAD and settlement agreement and 5-year cultural resources reports for the current license.</td>
</tr>
<tr>
<td>21.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.7 Consistency with Generally Accepted Scientific Practice</td>
<td>Page 2.11 Section 2.7 Consistency with GASP and BMP. We need some discussion on the state of the records management, digital and geospatial concurrency and any gaps and missing reports, forms etc. from Wisaard.</td>
<td>No changes. Process for including records in WISAARD will be discussed with the CRWG.</td>
</tr>
<tr>
<td>22.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.7 Consistency with Generally Accepted Scientific Practice</td>
<td>Page 2.-11. Section 2.7 do we need to have a Section on Crafting the Research Questions for a New Millennium with an outside peer review panel to review existing methods, questions, and products to refresh the research agenda?</td>
<td>No changes. Review will occur in the CRWG as outlined in the Study Plan. Further discussion with CRWG would occur when data gaps are identified and in planning any future surveys/studies.</td>
</tr>
<tr>
<td>23.</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>Section 2.8</td>
<td>Page 2-12 Section 2.8 need tables(s) with target dates and important milestones and also should probably plan for specific meetings/workshops/tours to inform and educate the work group.</td>
<td>No changes. Target dates will be developed as study kicks off. Unable to set dates with tribes who aren’t participating yet. Recommend not including table.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>24</td>
<td>Rob Whitlam (DAHP)</td>
<td>10/22/2019</td>
<td>General</td>
<td>We would also request receiving any correspondence or comments from concerned tribes or other parties that you receive as you consult under the requirements of 36CFR800.4(a)(4).</td>
<td>Comment noted. No changes.</td>
</tr>
<tr>
<td>25</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>11/13/2019</td>
<td>Title Page</td>
<td>1. Title Page: it would be clearer if the title was modified to read “Draft Cultural Resources Synthesis Study Plan”, because the CRWG was asked to review the plan for a study. The study that results from plan implementation is yet to be written. Changing the title in this manner is consistent with the use of “study plan” throughout the remainder of the document.</td>
<td>Change made per comment.</td>
</tr>
</tbody>
</table>
| 26  | Bob Mierendorf (Upper Skagit Indian Tribe) | 11/13/2019 | Section 1.0 Introduction | 2. P. 1-4: it would be helpful in the Intro to define at the outset, “project area” and “study area”  
3. P. 1-4, 3rd paragraph: it’s somewhat misleading say that FERC maintains jurisdiction over lands and waters; more accurately, FERC maintains jurisdiction over SCL operations, but NPS administers all lands under the reservoirs. | See Section 2.5 for definitions.                                                            |
| 27  | Bob Mierendorf (Upper Skagit Indian Tribe) | 11/13/2019 | Section 2.1 Study Goals and Objectives | 4. P. 2-5: last sentence under Goals paragraph should include “NPS Management Policies”  
5. P. 2-5: need clarification on the meaning of “separate reporting” for historic cultural resources. | Added per comment.                                                                           |
<p>| 28  | Bob Mierendorf (Upper Skagit Indian Tribe) | 11/13/2019 | Section 2.1 Study Goals and Objectives | 6. P. 2-5, the last sentence: for clarity and accuracy, consider revising the sentence to read something like “This goal assists SCL in meeting its obligations to the following….” (by themselves, goals don’t constitute compliance). | Clarified sentence to read: &quot;This goal assists City Light in meeting its obligations with the following laws, regulations, EOs, and guidelines:&quot; Added reason that historic resource data are generally not considered confidential. |
| 29  | Bob Mierendorf (Upper Skagit Indian Tribe) | 11/13/2019 | Section 2.2.1 City Light | 7. P. 2-6: add “NPS Management Policies” to | Added per comment.                                                                           |</p>
<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>11/13/2019</td>
<td>Section 2.2.2 National Park Service (NPS)</td>
<td>8. P. 2-6, under NPS: after mention of the Archaeological District, should 45WH64 and WH477 be mentioned, given they are determined eligible, also?</td>
<td>Comment noted. Not including individual eligible sites as there are more in the study area than just the two.</td>
</tr>
</tbody>
</table>
| 33. | Bob Mierendorf (Upper Skagit Indian Tribe) | 11/13/2019 | Section 2.4 Project Operations and Effects on Resources | 9. P. 2-7, 3rd paragraph in section 2.4: “direct effects” is too narrowly defined here for Sec. 106 purposes because direct effects includes far more than just ground disturbance; other operational activities can have direct effects on above ground sites, including dendrostyles, culturally-modified trees, rock-piled walls and cairns, and pit features. Actions that can directly affect these include logging, brush and vegetation clearing, and burning of brush piles, among others. In the same paragraph: consider that “new and to-be-improved access roads” is too narrowly defined and it should be broadened to include all access roads--although existing roads are a prior condition, the wording here leaves out road maintenance, including for example, culvert and bridge repair, which are current and future operations. | Clarified sentence to read: "Direct effects may be the result of a physical disturbance and may also include visual, auditory, or atmospheric impacts as well. The APE for direct effects will including areas subject to direct disturbance, which may result from the construction of temporary extra workspaces, storage yards, staging areas, aboveground or in-water facilities, new or improved access roads; road and facility maintenance; vibration; logging; and brush/vegetation clearing and burning, among others."

<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>35.</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Section 1.0 Introduction</td>
<td>“Ross Lake National Recreation Area” Comment: I added that because preservation is a key component of the establishment, as well as recreation. And no enabling legislations trumps the purpose of the NPS which puts Added per comment.</td>
</tr>
</tbody>
</table>

NPS Management Policies 2006 (or whatever is the most current version)


Mierendorf, Robert R. 1999 Precontact Use of Tundra Zones of the Northern Cascades Range of Washington and British Columbia. Archaeology in Washington V. VII.


<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Section 2.1 Study Goals and Objectives</td>
<td>Comment: Has the Study Area been defined anywhere? Is this just another word for APE?</td>
<td>Study area is defined in Section 2.5. Added reference to Section 2.5 here. APE is not yet defined, as discussed in Section 2.4. December 2020 update: City Light has been delineating the APE with the CRWG. The Study Area is comprised of the APE and the one-mile literature review buffer around the APE.</td>
</tr>
<tr>
<td>37</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Section 2.2.2 National Park Service (NPS)</td>
<td>Comment: If the NPS is included, I'm not sure why other stakeholders wouldn't also be included,... and then I don't know where to draw the line. While I appreciate be included here, I think since this is a SCL document you should keep to SCL goals.</td>
<td>Comment noted. NPS included as they are a land manager. One of the seven criteria for FERC study plan requests that relevant resource management goals of agencies or Indian tribes with jurisdiction over the resource to be studied be included in the study plan.</td>
</tr>
<tr>
<td>38</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Section 2.3 Background and Existing information</td>
<td>Edit: replace “photographs” with “archives” in “Cultural resource surveys, testing, data recovery reports, and associated photographs,”</td>
<td>Change made as suggested.</td>
</tr>
<tr>
<td>39</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Section 2.3 Background and Existing information</td>
<td>“Archaeology/historic/ properties of religious and cultural significance site/isolated find forms,” Comment: I would re-word this so it's not such a mouthful.</td>
<td>Change made to &quot;Cultural resources sites and property forms&quot;</td>
</tr>
<tr>
<td>40</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>This last sentence doesn't make sense to me as it relates to the topic as a whole. Do you mean that the Project Boundary should minimally be considered the APE?</td>
<td>Sentence deleted.</td>
</tr>
<tr>
<td>41</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Section 2.5 Study Area</td>
<td>Should this definition come early? This phrase is introduced at the beginning of the document.</td>
<td>Mention of &quot;study area&quot; in Section 2.1 is first occurrence, and now reader is referred to definition in section 2.5.</td>
</tr>
<tr>
<td>42</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Section 2.6 Methodology</td>
<td>So is this summary report essentially an annotated bibliography?</td>
<td>No changes needed. Report will contain annotated information, as well as other types of</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>---------------------------------------------</td>
<td>------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>43.</td>
<td>Kim DiCenzo (NPS)</td>
<td>11/08/2019</td>
<td>Step 6</td>
<td>How is cosmography relevant to this study?</td>
<td>No changes needed. Understanding cosmography from tribal perspective sets the stage for identifying data gaps.</td>
</tr>
<tr>
<td>44.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.6 Methodology Step 6</td>
<td>3rd Paragraph – Comment: Word choice? Noncontiguous? In reference to “islands”</td>
<td>No changes to study plan. This is general Project background information.</td>
</tr>
<tr>
<td>45.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 1.1 General Description of the Project 3rd Paragraph – Comment: add “Service” to National Park Service Complex.</td>
<td>No changes to study plan. This is general Project background information.</td>
<td></td>
</tr>
<tr>
<td>46.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 1.1 General Description of the Project 3rd Paragraph – Comment: I think if you want to have the enabling legislation that we also need to have the NPS mission statement. It carries more weight than the enabling legislation and emphasizes the protection of natural and cultural resources Add “The mission statement of the NPS, who administers RLNRA, is to conserve the scenery and the natural and historic objects and the wild life therein … by such means as will leave them unimpaired for the enjoyment of future generations”.</td>
<td>No changes to study plan. This is general Project background information.</td>
<td></td>
</tr>
<tr>
<td>47.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 1.1 General Description of the Project 3rd Paragraph – Comment: This statement seems misleading. The NPS administers the land, FERC has jurisdiction over the hydropower. (in reference to “FERC…maintains jurisdiction over the lands and waters within the Skagit River Hydroelectric Project”</td>
<td>No changes to study plan. This is general Project background information.</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>-----------</td>
<td>------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>48.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.2 National Park Service (NPS)</td>
<td>Subsection Header – National Park Service Comment: I still am not sure this section needs to be included</td>
<td>Deleted subsection titled “National Park Service”</td>
</tr>
<tr>
<td>49.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.2 National Park Service (NPS)</td>
<td>1st Paragraph – Comment: The language from the Organic Act should be added here.</td>
<td>Not added because subsection deleted</td>
</tr>
<tr>
<td>50.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.3 Background and Existing Information</td>
<td>3rd Bullet – Add: “and condition assessments”</td>
<td>Added per comment</td>
</tr>
<tr>
<td>51.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.6.1 Step 1</td>
<td>2nd Paragraph – Add: “site condition assessments” Add: “cultural landscape inventories/reports”</td>
<td>Added per comment</td>
</tr>
<tr>
<td>52.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.6.7 Step 7</td>
<td>Comment: This section seems focused on archaeological sites. Need to make sure it is broad enough to cover the full gamut of resources. You said earlier in section 2.1.2 there would be two reports – one confidential (for arch) and one not (for built environment). The first sentence says the product is one confidential report…</td>
<td>Revised to include multiple reports and all resource types (historic built environment, archaeology, and properties of religious and cultural significance). Clarified what data will be included in reports to include: &lt;ul&gt;&lt;li&gt;summarize resource age,&lt;/li&gt;&lt;li&gt;date of recordation,&lt;/li&gt;&lt;li&gt;date of HPI, site, or TCP form completion,&lt;/li&gt;&lt;li&gt;level of research (e.g., desktop, interview, reconnaissance or intensive survey, testing, etc.),&lt;/li&gt;&lt;li&gt;resource eligibility determination,&lt;/li&gt;&lt;li&gt;initial effects assessment (if available),&lt;/li&gt;&lt;li&gt;proposed or completed mitigation; recommendations concerning ways that Project operations and maintenance can avoid affecting the resource&lt;/li&gt;&lt;/ul&gt;</td>
</tr>
</tbody>
</table>
| 53. | Kim DiCenzo                        | 03/18/2020 | Section 2.6.7                           | 1st Paragraph – | Added language for clarification: “…short
<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(NPS)</td>
<td></td>
<td></td>
<td><strong>Step 7</strong> Comment: Is an “item” a historic property/resource or is it a bibliographic reference?</td>
<td>descriptive summary of each bibliographic reference and cultural resource and…”</td>
</tr>
<tr>
<td>54.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.6.7</td>
<td>1st Paragraph – Comment: What does this mean? Recommendations on how to avoid impacts? (in reference to operations and maintenance recommendations)</td>
<td>Clarified to read: “recommendations concerning ways that Project operations and maintenance can avoid affecting the resource.”</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Step 7</td>
<td>Comment: Is an “item” a historic property/resource or is it a bibliographic reference?</td>
<td>Clarified in multiple bullets:  • level of research (e.g., desktop, interview, reconnaissance or intensive survey, testing, etc.),  • resource eligibility determination</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Add: “how the resource eligibility was determined (consensus DOE?, NR form, initial site inspection?)”</td>
<td>Added “proposed or completed mitigation” to list.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Add: “proposed or completed mitigation”</td>
<td></td>
</tr>
<tr>
<td>55.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.6.7</td>
<td>1st Paragraph – Comment: What does this mean? Recommendations on how to avoid impacts? (in reference to operations and maintenance recommendations)</td>
<td>Clarified to read: “recommendations concerning ways that Project operations and maintenance can avoid affecting the resource.”</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Step 7</td>
<td>Comment: What does this mean? Recommendations on how to avoid impacts? (in reference to operations and maintenance recommendations)</td>
<td></td>
</tr>
<tr>
<td>56.</td>
<td>Kim DiCenzo (NPS)</td>
<td>03/18/2020</td>
<td>Section 2.6.7</td>
<td>4th Bullet – Comment: Again, this language is focused on archaeology. Do you need two sections so they can be individually addressed?</td>
<td>Revised bullet to read: Prioritize resource (e.g., historic built environment, archaeology, or property of religious and cultural significance)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Step 7</td>
<td>Comment: What does this mean? Recommendations on how to avoid impacts? (in reference to operations and maintenance recommendations)</td>
<td></td>
</tr>
<tr>
<td>57.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>03/25/2020</td>
<td>Section 2.1.2</td>
<td>3rd Bullet – Comment: In exactly what form will the dataset be presented?</td>
<td>Data will be in tabular format. Revised bullet to read: “Share dataset in tabular format with the CRWG to collectively build upon the baseline of information.”</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Objectives</td>
<td>Comment: In exactly what form will the dataset be presented?</td>
<td></td>
</tr>
<tr>
<td>58.</td>
<td>Dan Khadka (Stó:lō PRRO)</td>
<td>03/26/2020</td>
<td>Section 2.5</td>
<td>1st Paragraph – Comment: To clearly define the study area, we need to add something along the line of “The study area includes the north end of the Ross Lake reservoir located within the Skagit Provincial Park in British Columbia.”</td>
<td>Removed: “The study area will also include a one-mile buffer around these areas.” and replaced with “The study area includes a one-mile literature review buffer, beyond the Skagit Hydroelectric Project’s actual footprint. Including information from this research buffer will provide context for cultural resources associations in the surrounding landscape and help gauge potential project effects beyond the Project’s actual footprint, including across the</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------</td>
<td>------------</td>
<td>-------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>59</td>
<td>Dan Khadka (Stó:lō PRRO)</td>
<td>03/26/2020</td>
<td>Section 2.5 Study Area</td>
<td>1st Paragraph – Comment: Accordingly, the corresponding study area map needs to be revised so that it shows the Canadian portion of the study area. Currently, it is consistent with the extent of the project area.</td>
<td>No changes to Figure 2.5-1 (Project overview map) in study plan. The one-mile buffer study area extends across the international boundary and is captured in the working kmz files for the study and will be mapped in the summary reports. December 2020 update: City Light has been delineating the APE with the CRWG and maps have been updated in the study plan to show the APE. Though the study area does not extend into Canada due to jurisdictional considerations, literature will be reviewed from Canada to develop cultural context information as needed. The map has been updated.</td>
</tr>
<tr>
<td>60</td>
<td>Dan Khadka</td>
<td>03/26/2020</td>
<td>Section 2.6.1</td>
<td>1st Paragraph –</td>
<td>No changes to study plan section 2.6. Intent of international boundary into Canada.” Also to address this comment, added language to Step 1 in Section 2.6.1 as follows Researchers will compile a list of available resources for the “overall” study area, “i.e. the Skagit Hydroelectric Project Boundary and one-mile literature review/research buffer...” December 2020 update: City Light has been delineating the APE with the CRWG and maps have been updated in the study plan to show the APE. Though the study area does not extend into Canada due to jurisdictional considerations, literature will be reviewed from Canada to develop cultural context information as needed. The map has been updated.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>(Stó:lō PRRO)</td>
<td></td>
<td>Step 1</td>
<td>Comment: Need to include something like “The researchers will also work with the Canadian First Nations, including the People of the River Referrals Office (PRRO) and Stó:lō Research &amp; Resource Management Center (SRRMC), and support them with necessary capacity resources to complete the study on the Canadian side on behalf of their respective communities”. Study plan is to outreach with the Canadian First Nations and Indian Tribes. City Light will follow up with the PRRO and SRRMC concerning additional information support. December 2020 update: City Light has followed up with the PRRO and SRRMC regarding this matter.</td>
<td></td>
</tr>
<tr>
<td>61.</td>
<td>Dan Khadka (Stó:lō PRRO)</td>
<td>03/26/2020</td>
<td>Section 2.6.1 Step 1</td>
<td>1st Paragraph – Comment: We also need to revise the steps below to explain the process for retaining the SRRMC as a subcontractor to conduct the Canadian side of the study.</td>
<td>No changes to the study plan section 2.6.1. City Light will follow up with the SRRMC to clarify potential future studies. December 2020 update: City Light has followed up with the PRRO and SRRMC regarding this matter.</td>
</tr>
<tr>
<td>62.</td>
<td>Kerry Lyste (Stillaguamish Tribe of Indians)</td>
<td>03/25/2020</td>
<td>General</td>
<td>At this point, we have 1 comment (I might have more tomorrow) but I can't get in to the sharepoint directory at home. Our comment is that we don't feel 1 mile buffers from transmission lines and other elements for the APE and ethnographic study is sufficient, and should be expanded to at least 2 miles.</td>
<td>No changes to the study plan. City Light will follow up with the Stillaguamish Tribe. December 2020 update: City Light has followed up with the Stillaguamish Tribe regarding research buffers. City Light has also been delineating the APE with the CRWG. As part of work in CR-02, CR-03 and CR-04, previously identified historic properties outside of the current APE may be documented to be incurring project effects. If such properties and project effects on them are identified, the APE scope can be adjusted, as appropriate, to address project effects.</td>
</tr>
<tr>
<td>63.</td>
<td>Kerry Lyste (Stillaguamish Tribe of Indians)</td>
<td>03/25/2020</td>
<td>General</td>
<td>We have found when doing ethnographic studies in this area for Upper Jim Creek and Mount Higgins that resource gathering and trails covered wider swaths that 1 mile</td>
<td>No changes to the study plan. City Light will follow up with the Stillaguamish Tribe. December 2020 update: City Light has</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>64.</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>The NNTC was involved in the first relicensing process in 1991. In 1993 the NNTC entered an Agreement to research traditional cultural sites and mitigation recommendations in the FERC Area of Potential Effect jurisdiction around Ross Lake. Communications have been ongoing with Seattle City Light and, in the last decade with the NPS as well. A Confidential draft report on Nlaka’pamux Traditional Cultural Properties and Mitigation Recommendations to Protect Nlaka’pamux Cultural Properties was submitted to Seattle City Light in 2014, with a Confidential copy to National Park Service. There were two reviews by SCL and work is in hand to submit the Final Report to FERC and SCL, and to register the TCP. It cannot be held that the NNTC are “new” license participants.</td>
<td>No changes to the study plan. City Light will follow up with the Nlaka’pamux Nation. December 2020 update: City Light has followed up with the NNTC regarding this matter and is continuing to track progress of this work in the current license implementation.</td>
</tr>
<tr>
<td>65.</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>The PAD and the Draft Study Plan were made available to NNTC only in the last two weeks and at this point we have no access to documents that contain confidential information. Our initial response is therefore cursory and further commentary will be forthcoming. As we have requested participation on the Voluntary Cultural Resources Working Group and Voluntary Steering Committee we are hopeful that our contribution to this process will be more substantial.</td>
<td>No changes to the study plan. City Light will follow up with the Nlaka’pamux Nation. December 2020 update: An early release of the PAD was voluntarily provided to all the LPs including NNTC. City Light has followed up with the NNTC regarding this matter.</td>
</tr>
<tr>
<td>66.</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>We understood from comments by the presenters in the tele-meeting of 19 March</td>
<td>No changes to the study plan. City Light will follow up with the Nlaka’pamux Nation.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>67.</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>As we have not participated to this date we are not clear on how decisions are made. Statements such as “the CRWG will identify which information collected for this study will be confidential” (DSP 2-1) need to be clarified to re-assure LP’s that their decision-making interests are always protected. This decision-making process needs to be very clear and accepted unanimously.</td>
<td>December 2020 update: City Light has followed up with the NNTC regarding this matter. No changes to the study plan. City Light will follow up with the Nlaka’pamux Nation.</td>
</tr>
<tr>
<td>68.</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>We also understood that the neighbouring Tribes had expressed their principal concern as the protection of these resources and we share that primary concern. For this reason we are vitally interested in working with the CRWG on defining the APE in 2020. The narrowness of the APE as defined in the last 30 years has been a constant frustration in the study and research of Nlaka’pamux cultural resources in the project area.</td>
<td>No changes to the study plan. City Light will follow up with the Nlaka’pamux Nation. December 2020 update: City Light has followed up with the NNTC regarding this matter.</td>
</tr>
<tr>
<td>69.</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>As we were not involved in the Study Plan we have no information as to the extent of the working relationship between the SCL and federal agencies such as the NPS when it comes to their working with other LPs in the course of the relicensing - and duration of the licence. This is not clear in the Study Plan and we think</td>
<td>No changes to the study plan. City Light will follow up with the Nlaka’pamux Nation. December 2020 update: City Light has followed up with the NNTC regarding this matter.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>70</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>In the course of our research over the last few years we also found a lack of clarity over what agency had what responsibilities in different areas – and specifically in shared areas where each pointed to the other agency for taking responsibility - for example SCL contributions to NPS recreation activities that impact cultural resources.</td>
<td>No changes to the study plan. City light will follow up with the Nlaka’pamux Nation. December 2020 update: City Light has followed up with the NNTC regarding this matter.</td>
</tr>
</tbody>
</table>

It would be helpful to have more clarity. It would be useful to work on protocols whereby other federal agencies would also work with LPs on protection and mitigation measures on more than an ad hoc basis; protocols should include further research opportunities and also monitoring where their workings might impact tribal or first nation cultural resources. For example we note that other Mitigation surveys related to the SCL hydro project are being carried out at this stage but the Study Plan does not specifically include any cross referencing process. The NNTC has not received notice of these surveys where they were carried out in the northern Skagit area. These could well include areas of cultural resources: fish and wildlife surveys are often in prime cultural habitat. There needs to be a way to incorporate this information during the relicensing process and to continue afterwards so that LP’s are always aware of what other areas are being worked in any way and will be able to monitor their interests there. There are a number of other areas where cultural resources, fish and wildlife and environment concerns might be impacted and surveys of these areas should be carried out. An annual in-person review of all works in the Skagit corridor must be coordinated now.
<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>71.</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>The list of acronyms in the PAD includes the WWTIT, referring to Western Washington Treaty Indian Tribes: this was an indication of the restricted concept of indigenous interest in the project and other indigenous interests were duly excluded in the SCL initial work on this current relicensing initiative. We hope the NNCTC inclusion on the Working Group and Steering Committee will be helpful in acknowledging all interests in this process.</td>
<td>No changes to the study plan. City light will follow up with the Nlaka’pamux Nation. December 2020 update: City Light has followed up with the NNCTC regarding this matter.</td>
</tr>
<tr>
<td>72.</td>
<td>Pauline Douglas (Nlaka’pamux Nation)</td>
<td>03/31/2020</td>
<td>General</td>
<td>While the SCL Settlement Agreements of the last relicensing period ensured some contact between Tribes and First Nations with the SCL, there needs to be a framework where this is continued on an on-going face to face basis.</td>
<td>No changes to the study plan. City light will follow up with the Nlaka’pamux Nation. December 2020 update: City Light has followed up with the NNCTC regarding this matter.</td>
</tr>
<tr>
<td>73.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 2.2.1 Objectives</td>
<td>8th bullet – Add: “(8) Provide a comparison of the different states of knowledge of Upper Skagit River and North Cascades mountain history and prehistory, by comparing the state at the beginning of the current license studies (1988) with the state of knowledge at present (2020) in order to gauge the overall contributions to knowledge of the current license.”</td>
<td>Studies required by the current license have been summarized in the PAD. States of knowledge between 1988 and 2020 can be derived from report dates provided in the Synthesis Study tables.</td>
</tr>
<tr>
<td>74.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 2.2.1 Objectives</td>
<td>1st full paragraph – Can you reference the laws and sections that are referred to here?</td>
<td>Added RCW 42.56.300, 16 U.S.C. 470hh(a).</td>
</tr>
<tr>
<td>75.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 2.4 Project Operations and Effects on Reservoirs</td>
<td>1st paragraph – This sentence should be deleted as it’s inconsistent with the need to address direct and indirect effects: “Evaluation of Project effects will occur later during the relicensing process and is beyond the scope of this study.”</td>
<td>Sentence deleted.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>76.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 2.6.3 Step 3</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; paragraph – Need to be more specific--exactly what does “interest” mean?</td>
<td>Each Indian tribe and First Nation can define the nature and area of their interest. Sentence revised to read “…areas of tribal interest…”</td>
</tr>
<tr>
<td>77.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 2.6.7 Step 7</td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; bullet – This is good and necessary, but under 2.4 on p. 8 of this draft, the statement that says that assessment of effects is beyond the scope of this document, needs to be removed, especially because of the effort to distinguish direct from indirect effects.</td>
<td>Sentence in Section 2.4 deleted. 3&lt;sup&gt;rd&lt;/sup&gt; bullet in Section 2.6.7 revised to read “Provide an initial assessment of potential effects on historic properties.”</td>
</tr>
<tr>
<td>78.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 2.6.7 Step 7</td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; paragraph – What planning is being referred to here? A revised ARMMP or what?</td>
<td>There will be a new HPMP developed for the new license which will include an updated ARMMP and HRMMP, as well as additional management plans as needed. These additional management plans will be identified and drafted between December 2020 and April 2023.</td>
</tr>
<tr>
<td>79.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 2.7 Consistency with Generally Accepted Scientific Practice</td>
<td>1&lt;sup&gt;st&lt;/sup&gt; paragraph – Again, ambiguity seeks clarity. What interests? Does this include concerns, claims, traditions, or what?</td>
<td>Interests will be defined by each Indian tribe and First Nation. Sentence revised to read “information on known tribal interests as defined by each Indian tribe and/or First Nation…”</td>
</tr>
<tr>
<td>80.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 3.0 References</td>
<td>I’ve inserted several references below, and want to caution that some of them will need to be reformatted for consistency and proper order of listing.</td>
<td>References added as suggested and will be integrated into the study.</td>
</tr>
<tr>
<td>81.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 3.0 References</td>
<td>Page 3-8 – There are several Grabert references that should go in here, should be on WISAARD.</td>
<td>These references will be used in the study and included in the references cited for the study report.</td>
</tr>
<tr>
<td>82.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 3.0 References</td>
<td>Page 3-14 – This reference was incorrectly dated “1994”</td>
<td>Reference date corrected to 2004.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td>(Upper Skagit Indian Tribe)</td>
<td></td>
<td>References</td>
<td>Need to recheck the reference authorship—Foit was definitely not a coauthor of this one.</td>
<td></td>
</tr>
<tr>
<td>84.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>3/26/2020</td>
<td>Section 3.0 References</td>
<td>Page 3-20 – I’m unaware of any copy of this other than the one dated 2011. Is “2013” incorrect, or was the 2011 version updated?, don’t think so.</td>
<td>The ARMMP was amended in July 2013.</td>
</tr>
</tbody>
</table>
CR-02 CULTURAL RESOURCES SURVEY
PROPOSED STUDY PLAN

SKAGIT RIVER HYDROELECTRIC PROJECT
FERC NO. 553

Seattle City Light

December 2020
PSP
### TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Introduction.................................................................................................................... 1-1</td>
</tr>
<tr>
<td>1.1</td>
<td>General Description of the Project ................................................................. 1-1</td>
</tr>
<tr>
<td>1.2</td>
<td>Relicensing Process ............................................................................................. 1-1</td>
</tr>
<tr>
<td>1.3</td>
<td>Study Plan Development...................................................................................... 1-2</td>
</tr>
<tr>
<td>2.0</td>
<td>Study Plan Elements ............................................................................................... 2-1</td>
</tr>
<tr>
<td>2.1</td>
<td>Study Goals and Objectives ................................................................................. 2-1</td>
</tr>
<tr>
<td>2.2</td>
<td>Resource Management Goals .................................................................................. 2-2</td>
</tr>
<tr>
<td>2.3</td>
<td>Background and Existing Information.................................................................. 2-3</td>
</tr>
<tr>
<td>2.4</td>
<td>Project Operations and Effects on Resources..................................................... 2-4</td>
</tr>
<tr>
<td>2.5</td>
<td>Study Area ........................................................................................................... 2-4</td>
</tr>
<tr>
<td>2.6</td>
<td>Methodology ...................................................................................................... 2-11</td>
</tr>
<tr>
<td>2.6.1</td>
<td>Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group ............................................................ 2-11</td>
</tr>
<tr>
<td>2.6.1.1</td>
<td>Archaeological Resources ..................................................................................... 2-11</td>
</tr>
<tr>
<td>2.6.1.2</td>
<td>Historic Built Environment Resources ................................................................ 2-13</td>
</tr>
<tr>
<td>2.6.2</td>
<td>Step 2: Conduct Cultural Resources Survey ....................................................... 2-14</td>
</tr>
<tr>
<td>2.6.2.1</td>
<td>Archaeological Resources ..................................................................................... 2-14</td>
</tr>
<tr>
<td>2.6.2.2</td>
<td>Historic Built Environment Resources ................................................................ 2-16</td>
</tr>
<tr>
<td>2.6.3</td>
<td>Step 3: Post-field Documentation ...................................................................... 2-17</td>
</tr>
<tr>
<td>2.6.4</td>
<td>Step 4: Prepare Reports ...................................................................................... 2-17</td>
</tr>
<tr>
<td>2.7</td>
<td>Consistency with Generally Accepted Scientific Practice .................................. 2-17</td>
</tr>
<tr>
<td>2.8</td>
<td>Schedule ............................................................................................................. 2-18</td>
</tr>
<tr>
<td>2.9</td>
<td>Level of Effort and Cost ...................................................................................... 2-18</td>
</tr>
<tr>
<td>3.0</td>
<td>References ............................................................................................................. 3-1</td>
</tr>
</tbody>
</table>

### List of Figures

<table>
<thead>
<tr>
<th>Figure No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 2.5-1.</td>
<td>Location map of the Skagit River Hydroelectric Project APE. ...................... 2-7</td>
</tr>
<tr>
<td>Figure 2.5-2.</td>
<td>Skagit River Hydroelectric Project APE depicted on aerial imagery (page 1 of 3). ................................................................. 2-8</td>
</tr>
<tr>
<td>Figure 2.5-2.</td>
<td>Skagit River Hydroelectric Project APE depicted on aerial imagery (page 2 of 3). ..................................................................................... 2-9</td>
</tr>
<tr>
<td>Figure 2.5-2.</td>
<td>Skagit River Hydroelectric Project APE depicted on aerial imagery (page 3 of 3). ...................................................................................... 2-10</td>
</tr>
</tbody>
</table>
List of Attachments

Attachment A  City Light Responses to LP Comments on the Study Plan
Attachment B  Area of Potential Effects Mapbook
List of Acronyms and Abbreviations

ACHP .........................Advisory Council on Historic Preservation
AIRFA .........................American Indian Religious Freedom Act
APE .........................area of potential effects
ARPA .........................Archaeological Resources Protection Act
ARMMP .......................(Skagit) Archaeological Resources Mitigation and Management Plan
CFR .........................Code of Federal Regulations
City Light ...................Seattle City Light
CRWG .........................Cultural Resources Work Group
DAHP .........................Department of Archaeology and Historic Preservation
DMS .........................Document Management System
DNR .........................Department of Natural Resources (Washington State)
ELC .........................Environmental Learning Center
EO ..........................executive order
FERC .........................Federal Energy Regulatory Commission
ft .........................foot/feet
GPS .........................Global Positioning System
HPA .........................high probability area
HPI ..........................historic property inventory
HPMP .........................Historic Properties Management Plan
HRMMP .......................(Skagit) Historic Resources Mitigation and Management Plan
ISR .........................Initial Study Report
LiDAR .......................Light Detection and Ranging
LP .........................licensing participant
LPA .........................low probability area
m ..............................meter
MPA .........................moderate probability area
NAGPRA .....................Native American Graves Protection and Repatriation Act
NHPA .........................National Historic Preservation Act
NOI ..........................Notice of Intent
NPS .........................National Park Service
NRHP .........................National Register of Historic Properties
O&M .......................operations and maintenance
PAD .......................Pre-Application Document
PME ........................protection, mitigation, and enhancement
Project .....................Skagit River Hydroelectric Project
PSP ..........................Proposed Study Plan
PTRCI ......................properties of traditional religious and cultural importance to an Indian
tribe or Native Hawaiian organization
RCW ........................Revised Code of Washington
RLNRA ....................Ross Lake National Recreation Area
RM ...........................river mile
ROW ........................right-of-way
RWG ........................Resource Work Group
SHPO ........................State Historic Preservation Office or Officer
SITC ........................Swinomish Indian Tribal Community
SOI ..........................Secretary of the Interior
SSIT .........................Sauk-Suiattle Indian Tribe
STI ...........................Stillaguamish Tribe of Indians
TCP ...........................traditional cultural property
U.S.C ........................United States Code
USFS ........................U.S. Forest Service
USR .........................Updated Study Report
WISAARD .................Washington Information System for Architectural and Archaeological
Records Data
This page intentionally left blank.
1.0 INTRODUCTION

1.1 General Description of the Project
The Skagit River Hydroelectric Project (Project), licensed to The City of Seattle, Washington, and operated through its publicly-owned electric power utility Seattle City Light (City Light), is located in northern Washington State and consists of three power generating developments on the Skagit River – Ross, Diablo, and Gorge – and associated lands and facilities. The Project generating facilities are in the Cascade Mountains of the upper Skagit River watershed, between river miles (RM) 94 and 127. Power from the Project is transmitted via two 230-kilovolt powerlines that span over 100 miles and end just north of Seattle at the Bothell Substation. The Project also includes two City Light-owned towns, an Environmental Learning Center (ELC), several recreation facilities, and several parcels of fish and wildlife mitigation lands.

Project generating facilities are all located in Whatcom County, although Ross Lake, the most upstream reservoir, crosses the U.S.-Canada border and extends for about one mile into British Columbia at normal maximum water surface elevation. Gorge Powerhouse, the most downstream facility, is approximately 120 miles northeast of Seattle and 60 miles east of Sedro-Woolley, the nearest large town. The closest town is Newhalem, which is part of the Project and just downstream of Gorge Powerhouse. The primary transmission lines cross Whatcom, Skagit, and Snohomish counties; the fish and wildlife mitigation lands are in the same counties.

The Project Boundary is extensive, spanning over 133 miles from the Canadian border to the Bothell Substation just north of Seattle, Washington. In addition, there are “islands” of fish and wildlife mitigation lands and recreation facilities within the Skagit, Sauk, and South Fork Nooksack watersheds that are also within the Project Boundary. Project generating facilities are entirely within the Ross Lake National Recreation Area (RLNRA), which is administered by the National Park Service (NPS) as part of the North Cascades National Park Complex. The RLNRA was established in 1968 in the enabling legislation for North Cascades National Park to provide for the “public outdoor recreation use and enjoyment of portions of the Skagit River and Ross, Diablo, and Gorge lakes.” The legislation maintains the Federal Energy Regulatory Commission’s (FERC) jurisdiction “in the lands and waters within the Skagit River Hydroelectric Project,” as well as hydrologic monitoring stations necessary for the proper operation of the Project (16 United States Code [U.S.C.] § 90d-4; Public Law 90-544. Sec. 505 dated October 2, 1968, as amended by Public Law 100-668. Sec. 202 dated November 16, 1988).

1.2 Relicensing Process
The current FERC license for the Project expires on April 30, 2025, and City Light will apply for a new license no later than April 30, 2023. City Light formally initiated the relicensing process by filing a Notice of Intent and Pre-Application Document (PAD) with FERC on April 27, 2020 (City Light 2020). The PAD includes descriptions of the Project facilities, operations, license requirements, and Project lands as well as a summary of the extensive existing information available on Project area resources and early consultation on potential resource issues to be addressed during the relicensing. The PAD also includes an outline of the goals and objectives of this study.
In 2019-2020, City Light convened a series of Resource Work Groups (RWG) to engage agencies and other licensing participants (LP) in the Study Plan Development Process. This study plan reflects RWG discussion and study requests and comments submitted by LPs.

1.3 Study Plan Development

Relicensing of the Project by FERC is considered a federal undertaking under Section 106 of the National Historic Preservation Act (NHPA), as amended, and its implementing regulations (36 Code of Federal Regulations [CFR] § 800). Section 106 establishes a process for federal agencies to identify and take into account the effects of their undertakings on historic properties, as defined below:

Historic property means any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places (NRHP) maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization [PTRCI] and that meet the National Register criteria [36 CFR § 800.16(l)(1)].

City Light’s continued operations and maintenance (O&M) of the Project under a new FERC license may affect historic properties. Therefore, City Light is proposing four studies to assist FERC with its Section 106 compliance requirements. These studies consist of:

1. CR [cultural resources]-01 Cultural Resources Data Synthesis
2. CR-02 Cultural Resources Survey
3. CR-03 Gorge Bypass Reach Cultural Resources Survey
4. CR-04 Inventory of Historic Properties with Traditional Cultural Significance Study

The Cultural Resources Survey of the Project area of potential effects (APE) is proposed in partial fulfillment of Section 106 requirements and is intended to identify historic properties and assess potential Project-related effects to historic properties within the APE that may be affected by the continued operations and maintenance of the Project under a new FERC license. As defined in the applicable regulations found at 36 CFR § 800.16(d), the APE is “...the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist. The APE is influenced by the scale and nature of an undertaking and may be different for different kinds of effects caused by the undertaking.”

A field study within the APE was specifically requested during the 2019 Study Plan Development Process (see Issue Form CR04, Survey of APE) because only a portion of the Project has been previously surveyed for cultural resources. When the Project received its last FERC license in 1995, FERC and the Washington State Historic Preservation Officer (SHPO), along with the consulting parties, entered into multiple settlement agreements and Memoranda of Agreement regarding the management and mitigation of Project-related effects on archaeological and historic resources and traditional cultural properties (TCP) (City Light 1991 a, b, c, d; City Light 1993, 1994, 1996). Under these agreements, only a portion of the Project was surveyed for cultural
resources, primarily within Ross Lake. In addition, properties have been acquired during the current license period as part of the 1995 license mitigations for fish and wildlife habitat which have expanded the Project Boundary. Most of these additional lands have not been surveyed for cultural resources or evaluated for potential Project effects. As FERC’s non-federal representative for carrying out informal Section 106 of the NHPA consultation, City Light is consulting with Section 106 participants on the delineation of the APE.

On April 10, 2020, City Light released the Cultural Resources Survey Draft Study Plan for LP review and comment. On May 4, 2020, the draft study plan was discussed at a Cultural Resources Work Group (CRWG) meeting. City Light reviewed all comments received and released a revised version of the draft study plan on June 12, 2020. The revised draft was discussed on June 22, 2020 at a CRWG meeting. Written comments were received from Nlaka'pamux Nation, the Upper Skagit Indian Tribe, and National Park Service and responded to in an attachment to this study plan. A Status Draft of the study plan was provided to LPs on August 6, 2020.

City Light is filing this study plan with FERC as part of its Proposed Study Plan (PSP), incorporating additional consultation prior to the filing date. The following study requests pertaining to cultural resources covered under Cultural Resources Survey (archaeological and historical resources) were submitted: STIC-03 Cultural Resources Study, SSIT-04 Cultural Resources Transmission Line Study, STI-02 Historic Properties Study, and STI-03 Study of Specific Sites as Archaeological District. This study plan addresses some of the elements identified in the study requests listed above, as explained in Section 6 of the PSP. Those elements of the study requests that were not adopted are primarily not adopted because they include studying areas and/or resources that fall outside the APE. City Light believes its study plan methods are sufficient to meet the study objectives and information needs.

This document presents the study plan for implementing a Cultural Resources Survey for archaeological and historic built environment resources (i.e., the study) within the APE. The study elements outlined below include the study goals and objectives, resource management goals, background information, proposed study area, general methodology, schedule, and expected level of effort and consistency with generally accepted practices for cultural resources surveys.

The results of the Cultural Resources Survey are expected to include confidential and/or privileged information that is exempt from public release. The confidential and privileged information will be protected, in consultation with the Section 106 consulting parties. State and federal laws exempt certain types of cultural resources information from public disclosure (e.g., Revised Code of Washington [RCW] 42.56.300, 16 U.S.C. 470hh(a)).

---

1 On June 26, 2020, FERC issued a Notice of Intent to File License Application for a New License and Commencing Pre-filing Process within which FERC designated City Light as its non-federal representative for carrying out informal consultation pursuant to Section 106 (FERC Filing Accession no. 20200626-3024).
2.0 STUDY PLAN ELEMENTS

2.1 Study Goals and Objectives

Section 106 of the NHPA requires federal agencies to take into account the effects of their undertakings on historic properties and includes procedures for the “identification…and evaluation of historic properties” (36 CFR § 800.4). The goal of this study is to assess the potential effects of the Project’s O&M on cultural resources within the APE that are included in or eligible for listing in the NRHP. The survey and subsequent study report that will be prepared to document the study efforts and results will be completed in consultation with the Section 106 consulting parties.

In the current FERC license period, Section 106 consulting parties include: SHPO, NPS, FERC, Upper Skagit Indian Tribe, Sauk-Suiattle Indian Tribe, Swinomish Indian Tribal Community, Nlaka’pamux Nation Tribal Council, and City Light. In addition to these parties, City Light anticipates additional consulting parties may include: Bureau of Indian Affairs (BIA), U.S. Forest Service (USFS), Washington Department of Natural Resources (DNR), Snohomish County, Stó:lō Nation, Confederated Tribes of the Colville Reservation, Lummi Nation, Muckleshoot Indian Tribe, Nooksack Indian Tribe, Samish Indian Nation, Snoqualmie Indian Nation, Stillaguamish Tribe of Indians, Suquamish Indian Tribe, and Tulalip Tribes of Washington, as well as other potential parties to be identified during Section 106 consultation, which FERC initiated when it issued public notice on June 26, 2020, of City Light’s filing of the PAD and Notice of Intent (NOI).

The primary objective of the study is to provide sufficient information to assist FERC in compliance with Section 106 of the NHPA and other cultural resources regulations and executive orders (EO). Information collected during the survey will be used to identify archaeological and historic built environment resources that qualify as historic properties in the APE and to assess potential Project effects to them. Key components for identifying the priority areas for cultural resources survey will derive both from cultural resources’ potential on the landscape and the scope of potential Project operations and activities which could affect historic properties, pursuant to 36 CFR § 800.4(a).

The specific objectives of the study are as follows:

- Further define the specific areas of the APE that will be surveyed (i.e., survey areas) in consultation with Section 106 consulting parties.
- Review and synthesize existing archaeological, historical, and ethnographic data within 1.0 mile (1.6 kilometers) of the APE.
- Complete a cultural resources survey. The survey will include inventory of both archaeological and historic built environment resources.
- Identify and record cultural resources within the survey areas.
2.0 Study Plan Elements

- Complete initial evaluation of NRHP eligibility for located cultural resources, if possible, at this inventory level of effort².
- Preliminarily evaluate the potential effects on NRHP-listed and eligible cultural resources (e.g., historic properties) from O&M of the Project, if possible, at this inventory level of effort.
- Summarize survey results in regard to potential effects of the Project on historic properties to inform the license application and management plans.
- Provide recommendations for any additional work to evaluate NRHP eligibility and Project effects, as applicable.

2.2 Resource Management Goals

This section summarizes City Light’s resource management goals related to cultural resources for this study. The study will provide information which may help Indian tribes, First Nations and resource agencies with jurisdiction in the Project Boundary identify appropriate recommendations and conditions for the new Project license pursuant to their respective goals and/or authorities. The following laws, regulations, EOs, and guidelines apply to the Project:

- Section 106 of the NHPA
- American Indian Religious Freedom Act (AIRFA)
- Archaeological Resources Protection Act (ARPA)
- Native American Graves Protection and Repatriation Act (NAGPRA)
- Organic Act of 1897
- EO 13007 (Indian Sacred Sites)
- EO 13175 (Indian Tribal Consultation)
- FERC Policy Statement on Consultation with Indian Tribes in Commission Proceedings, Order 635
- RCW Chapter 27.53 (Archaeological Sites and Resources)
- RCW Chapter 27.44 (Indian Graves and Records)
- RCW Chapter 42.56.300 (Public Records Act regarding archaeological sites/traditional cultural properties)

City Light’s goal, with regard to cultural resources for this study, is to identify historic properties in the APE. This information will be used when assessing Project effects on historic properties and in determining ways to avoid, minimize, and/or mitigate adverse effects to historic properties as outlined in 36 CFR § 800.6. The findings from this study will be incorporated into a newly created Historic Properties Management Plan (HPMP) for the new license and other appropriate protection, mitigation, and enhancement (PME) measures for the Project. The HPMP would be developed to manage NRHP-listed, eligible, and unevaluated cultural resources within the APE ²

² Some cultural resources may require additional work beyond this level of effort, which may be done at a later time (e.g., some archaeological sites may require test excavations prior to NRHP evaluation and some built environment resources may require extensive archival research prior to NRHP evaluation) per 36 CFR § 800.4(b)(2).
under the new license. The HPMP for the current license consists of two resource management plans that outline actions and processes to manage the historic properties within the Project Boundary: Skagit Historic Resources Mitigation and Management Plan (HRMMP; City of Seattle 1991) and Skagit Archaeological Resources Mitigation and Management Plan (ARMMP; Schalk et al. 2013). The Skagit HRMMP serves as a guide for City Light’s operating personnel when performing necessary O&M activities, as well as identifying resource treatments designed to address potential ongoing and future effects to historic properties in the historic district (DT00066). The Skagit ARMMP serves as a guide for continued management of historic properties and mitigation for projects within the archaeological district (DT0212). City Light anticipates that both of these plans will be updated and integrated into the HPMP for the new license. In addition, the HPMP for the new license will provide for the management of historic properties, unevaluated resources, and unsurveyed portions of the APE, which are not currently included in the ARMMP and HRMMP.

Information from the 2020–2021 NRHP nomination update for the Skagit River and Newhalem Creek Hydroelectric Projects (DT0066), which is required by the existing Skagit HRMMP, will also be integrated into assessments of Project effects and development of the HPMP for the new license.

### 2.3 Background and Existing Information

Initial background research was conducted at the Washington Information System for Architectural and Archaeological Records Data (WISAARD) database, managed by the Department of Archaeology and Historic Preservation (DAHP), as well as City Light’s files and records and other online repositories for the development of the PAD. The research resulted in the identification of known historic and archaeological resources within the Project Boundary, Gorge bypass reach, and fish and wildlife mitigation lands (see Table 2.3-1).

#### Table 2.3-1. Summary of cultural resources within the Project vicinity and one-mile Study Area (from PAD Table 4.10-1).

<table>
<thead>
<tr>
<th>Resource Type</th>
<th>Within One-mile Study Area (NRHP Eligibility Status)</th>
<th>Within Project Vicinity (NRHP Eligibility Status)</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archaeological Sites</td>
<td>85 (2 eligible, 7 not eligible, 76 unevaluated)</td>
<td>190 (16 eligible as contributing to district, 174 unevaluated)</td>
<td>275</td>
</tr>
<tr>
<td>Historic Built-Environment Resources</td>
<td>133 (4 eligible, 81 not eligible, 48 unevaluated)</td>
<td>30 (3 eligible [2 contributing to district], 23 not eligible, 4 have been demolished)</td>
<td>163</td>
</tr>
<tr>
<td>Archaeological District</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Listed Historic Properties/District</td>
<td>18</td>
<td>5 (includes 1 district)</td>
<td>23</td>
</tr>
<tr>
<td>Totals</td>
<td>236</td>
<td>226</td>
<td>462</td>
</tr>
</tbody>
</table>
Additional background and existing information on the APE will be developed as part of the Cultural Resources Data Synthesis. The Cultural Resources Data Synthesis is proposed to occur in 2020, which will provide a detailed review of all existing cultural resources data for the Project Boundary, Gorge bypass reach, and fish and wildlife mitigation lands. The study plan for the Cultural Resources Data Synthesis was provided in the PAD and was updated for the PSP. As part of the current license, City Light is updating the National Register form for the Skagit River and Newhalem Creek Hydroelectric Projects (DT00066; NR Listing # 11000016) (Erigero 1990; Johnson 2010; NRHP 2011). Any new information available from that update will be incorporated into this study as appropriate.

Further information will be obtained by interviewing people with relevant knowledge of the APE. Information gathering will include reviewing existing documents or studies that are relevant to the proposed study because they overlap with, or are within one mile of, the APE. City Light documents and records will be reviewed as well as any additional documents or records made available through outreach to NPS, Indian tribes, First Nations, USFS, and Washington DNR.

2.4 Project Operations and Effects on Resources

Potential effects that may be associated with this undertaking include any Project-related effects associated with the day-to-day operation and maintenance of the Project and any new activity proposed under the new license. Types of effects may include direct (i.e., the result of Project activities at the same time and place with no intervening cause), indirect (i.e., the result of Project activities later in time or further removed in distance but reasonably foreseeable), and/or cumulative (e.g., caused by a Project activity in combination with other non-Project past, present, and foreseeable future activities) (ACHP 2019).

Section 106 of the NHPA requires federal agencies to consider direct, indirect, and cumulative adverse effects of their undertakings on historic properties. In this case, the undertaking is FERC’s issuance of a new license for the Project. 36 CFR § 800.5(a)(1) states that:

An adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the National Register in a manner that would diminish the integrity of the property’s location, design, setting, materials, workmanship, feeling, or association. Consideration shall be given to all qualifying characteristics of a historic property, including those that may have been identified subsequent to the original evaluation of the property’s eligibility for the National Register. Adverse effects may include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance or be cumulative.

Following pre-license studies and discussions leading up to the 1991 FERC No. 553 settlement agreements, only a portion of the Project was assessed for its effects to cultural resources. As a result, additional information is needed to understand Project effects, if any, on historic properties within the APE.

2.5 Study Area

The study area is the APE. Under 36 CFR § 800.16(d), the APE is defined as “the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character
or use of historic properties, if any such properties exist.” Based on this regulatory definition, City Light proposes to define the APE for the suite of cultural resources studies proposed for the relicensing of the Project, consistent with FERC’s standard definition applied at other hydropower projects across the U.S.:

The APE for this undertaking includes all lands within the FERC-approved Project Boundary. The APE also includes lands or properties outside the Project Boundary where Project operations or Project-related recreation activities or other enhancements may cause changes in the character or use of historic properties, if any such properties exist.

As FERC’s non-federal representative\(^3\) for carrying out informal Section 106 consultation, City Light is consulting with Section 106 consulting parties on the delineation of the APE. The APE is shown in Figure 2.5-1 and a detailed mapbook is attached to this study plan. City Light will submit the APE to the DAHP for review and concurrence in accordance with 36 CFR § 800.4(a)(1). City Light anticipates submitting the APE to DAHP prior to filing the RSP. During study implementation, it is possible that the relicensing process may identify Project-related activities outside of the APE that have the potential to affect historic properties, including those with traditional cultural significance. It is also possible that during relicensing, Project improvements may be proposed that are outside the original APE (e.g., recreation area improvements/modifications). If such areas are identified, the APE will be expanded to include these areas.

In general, the Project Boundary encompasses all land necessary for operation of the Project. The current Project Boundary includes buildings, structures, reservoirs, tailraces, transmission line right-of-way (ROW) from the powerhouses to Bothell Substation, boat launches in Marblemount and on the Sauk River, and fish and wildlife mitigation lands in the Skagit, Sauk, and South Fork Nooksack watersheds acquired through 2011 (see Figures 2.5-1 and 2.5-2). Moreover, the above proposed definition of the APE would encompass lands or properties outside of the Project Boundary where Project operations or Project-related recreation activities or other enhancements may cause changes in the character or use of historic properties as informed by City Light research studies.

While the APE encompasses all areas within the Project Boundary, some areas within the APE (e.g., the High Ross Inundation Zone) are not expected to be affected by the Project. Therefore, City Light does not anticipate proposing study work in these areas except where effects in specific areas can be clearly demonstrated to be project-related, if any. It should be noted, however, that the APE as proposed by City Light does include the Gorge bypass reach and recently acquired or transferred fish and wildlife mitigation lands that are outside the current Project Boundary\(^4\). Note

\(^3\) On June 26, 2020, FERC issued a Notice of Intent to File License Application for a New License and Commencing Pre-filing Process within which FERC designated City Light as its non-federal representative for carrying out informal consultation pursuant to Section 106 (FERC Filing Accession no. 20200626-3024).

\(^4\) City Light is currently amending the Project Boundary to include additional fish and wildlife mitigation lands that were recently acquired under ongoing implementation of the existing license (April 1, 2020 request to amend Exhibit K, as modified in its August 19, 2020 Response to FERC’s May 21, 2020 Additional Information Request).
that the Gorge bypass reach will be surveyed under a separate study (Gorge Bypass Reach Cultural Resources Survey).
Figure 2.5-1. Location map of the Skagit River Hydroelectric Project APE.
Figure 2.5-2. Skagit River Hydroelectric Project APE depicted on aerial imagery (page 1 of 3).
Figure 2.5-2. Skagit River Hydroelectric Project APE depicted on aerial imagery (page 2 of 3).
Figure 2.5-2. Skagit River Hydroelectric Project APE depicted on aerial imagery (page 3 of 3).
2.6    Methodology

The Cultural Resources Survey will include developing a research design and establishing the survey areas within the APE, reviewing existing literature and interview data, two years of fieldwork to inventory archaeological and historic built environment resources, post-field documentation and analysis, and reporting. It is expected that not all areas will be surveyed during this two-year study. Additional areas within the APE may be inventoried at a later date, and an approach for additional inventory will be outlined in the HPMP.

2.6.1    Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group

A research design will be developed in collaboration with the CRWG. The draft and final research design will be reviewed by the CRWG. To develop the research design, the existing literature obtained during the Cultural Resources Data Synthesis will be reviewed. Some of these materials are available for review on City Light’s internal Document Management System (DMS) in both confidential and non-confidential sections. Interviews of individuals and staff from City Light, NPS, USFS, Washington DNR, and Indian tribes/First Nations who have knowledge of the APE will also be completed. During outreach, existing documents or studies that are relevant to the proposed survey areas but are not currently in City Light’s DMS will be identified and reviewed. Additionally, information available on the WISAARD, as well as archives, libraries, and online sources will be reviewed.

The research design will include the following elements as described below.

2.6.1.1    Archaeological Resources

Based on preliminary discussions during the 2019 Study Plan Development Process and 2020 CRWG meetings and collaboration, archaeological survey areas will be initially delineated by review of existing historic aerial imagery, historic maps, and Light Detection and Ranging (LiDAR) data within the APE. Additional information from the Cultural Resources Data Synthesis, including known ethnographic information, will also be used to identify survey areas. Archaeological survey areas will be further refined based on the following:

Identification of High Probability Areas (HPA)

- The HPAs will be identified during the collaborative development of the research design with the CRWG.
- HPAs are defined as those with high potential for containing archaeological resources.
- Identification of HPAs will be based on the probability model available on WISAARD; NPS landform mapping, local topography, and soils data; data obtained during the literature review (Step 2 below); historic mining claim data; and results of the Cultural Resources Data Synthesis. Data include quantitative data for the distribution of sites by major landform types in and around Ross Lake (Mierendorf et al. 1998:78–81). The Skagit ARMMP will also be referenced to isolate areas and/or cultural resources that need survey.
Completing Survey in HPAs

Completing archaeological resources survey in HPAs will be prioritized based on three categories: existing Project effects (i.e., where Project O&M activities are known to occur); potential Project effects (i.e., where Project O&M activities may occur); and no current planned activities or no Project effects. Each of these categories are briefly described below. Surveys within these categories is dependent upon ability to access locations due to topography, inundation, or other safety concerns. Those geographic areas that are incurring Project effects will be surveyed. City Light will work with their consultant team and the CRWG during development of the research design to identify areas where Project activities are known to be occurring that could be affecting historic properties, if any such properties exist in these areas.

1. Existing Project effects
   - HPAs that are being affected or have potential to be affected by Project O&M in the proposed license term will be surveyed. Areas of high potential for Project effects will be derived from information collected during the current license period and projections for Project operations in the proposed license term. Information from concurrent relicensing studies that focus on Project effects on other types of resources (e.g., fisheries, wildlife, recreation, plant communities, water, and air quality) will aid in formulating a basis for setting priorities for cultural resources survey that match the scope of the Project’s O&M. For example, areas of repeated or periodic maintenance or use could cause direct effects related to ground disturbance where there is high potential for archaeological sites. Sedimentation and erosion along reservoir or river shorelines due to wave action or changes in hydrologic flow could directly affect shoreline areas with known or high archaeological potential. Project activities involving ground disturbance could include things like augmentation of side channel habitat for salmon, vegetation removal, planting or fencing installations on lands left largely dormant for wildlife.

   - Areas of direct effects are those locations where Project O&M cause physical, visual, auditory, and/or atmospheric changes at the same time and place with no intervening cause. Examples include:
     - Ground disturbing work associated with Project O&M.
     - Widening or maintenance outside footprint of existing Project roads – 20-meter (m) (66 feet [ft]) buffer from both shoulders of roads to be widened or maintained.
     - Development of new staging/stockpiling/maintenance yards or expansion beyond existing footprint – 20 m (66 ft) buffer.
     - Development of new access trails for maintenance work or maintenance outside existing footprint – 20 m (66 ft) buffer from both shoulders of trail.
     - Replacement or moving transmission towers – survey extent would cover the footprint of the new tower pad plus 20 m (66 ft) buffer, plus staging area and access road as outlined above.
     - Hazardous fuel reduction – 20 m (66 ft) buffer around location of reduction.
2.0 Study Plan Elements

- O&M work on Project facilities – 10 m (33 ft) buffer.
- Use/maintenance in existing footprint of Project roads – 5 m (16 ft) buffer from both shoulders of roads.
- Use of existing staging/stockpiling/maintenance yards – 5 m (16 ft) buffer.
- Maintenance in existing footprint of existing access trails – 5 m (16 ft) buffer from both shoulders of trail.
- Maintenance in existing footprint of transmission line ROW – 76 m (250 ft) buffer from both sides of outside shoulders.

(2) Potential Project effects

- HPAs where there is potential for Project-related effects to occur will be surveyed. Potential for Project effects will be informed by O&M, emergency response, and other resource studies.

(3) No current planned activities or no Project effects

- HPAs that are not incurring Project effects will not be prioritized for survey. City Light will survey these as feasible, and management of these areas will be outlined in the HPMP for the new license.
- Over the course of the license period, individual undertakings not anticipated during relicensing would still follow the Section 106 process and can be surveyed at the time an undertaking is proposed. This survey will focus on HPAs that are incurring or will likely incur Project effects. HPAs that are not incurring Project effects will not be prioritized for survey. City Light will survey these as feasible, which will be outlined in the HPMP for the new license.

Identification of Moderate Probability Areas (MPA)

- Areas with moderate probability for containing cultural resources will be identified during the development of the research design.
- MPAs will be surveyed where they incur project effects. Areas with moderate probability where there are no current or anticipated project effects would not be surveyed.

Identification of Low Probability Areas (LPA)

- Areas with low probability for containing cultural resources will be identified during the development of the research design.
- LPAs will be pedestrian surveyed where they incur Project effects.
- LPAs where there are no current or anticipated Project effects would not be surveyed.

2.6.1.2 Historic Built Environment Resources

- Historic built environment resources will be identified based on existing records and build dates.
- All historic built environment resources estimated to be 40 years old or older within 20 m (66 ft) of Project O&M will be documented if they are not already included and updated in the
historic district (DT0066) as part of the current license. This includes those historic built environment resources that were not updated as part of the 2020–2021 NRHP nomination form update. Resources managed in the HRMMP will be included as necessary (City of Seattle 1991).

2.6.2  **Step 2: Conduct Cultural Resources Survey**

Acquire necessary archaeological permits and conduct cultural resources survey in the prioritized areas for both archaeological and historic built environment resources to be completed in compliance with the Washington State Standards for Cultural Resources Reporting (DAHP 2020), NPS guidelines, ARPA, Organic Act, and Section 106 of the NHPA. Areas where high potential for historic properties intersects with potential Project O&M activities will be prioritized for survey. Survey areas where there are existing Project effects would be completed first, followed by areas where there are proposed activities with potential to cause reasonably foreseeable Project effects. Logistics, seasonal timing, and safety will be additional considerations for prioritizing timing of surveys in different areas throughout the study period. Representatives of Indian tribes and First Nations will be invited to participate in the cultural resources surveys.

In the State of Washington, an archaeological site is defined as a geographic locality that contains two or more artifacts and/or features of human construction (DAHP 2020). An archaeological site may span multiple time periods and could include multiple components consisting of historic and precontact resources, as well as associated historic built environment resources. An isolated artifact consists of a single item without associated features or deposits (DAHP 2020).

2.6.2.1  **Archaeological Resources**

The archaeological survey will be undertaken as described below.

**Pedestrian Survey**

A pedestrian archaeological survey will be undertaken for safely accessible areas of the HPA and MPA that are prioritized for survey by archaeologists walking on foot and visually inspecting the ground surface.

- HPA/MPA survey areas will include unsurveyed lands, as well as previously surveyed lands where the date of survey is older than 10 years.
- Parallel transects will be set at intervals of 20 m or less depending upon survey width, topography, and sensitivity. Irregular transects may be necessary due to steep, uneven terrain and to avoid natural hazards in the survey area.
- Anchor points on transects will be recorded by a hand-held Global Positioning System (GPS) unit that achieves submeter accuracy in the field. For areas where submeter accuracy cannot be achieved using GPS, alternate traditional mapping methods will be used to achieve the greatest accuracy possible.
- Overview photographs will be taken of all survey areas. Surrounding vegetation and ground visibility will be documented and representative examples will be photographed.
- No slopes greater than 30 degrees will be walked but will be visually assessed from above or below the slope as feasible.
Subsurface Survey

Subsurface archaeological survey will be undertaken within HPAs and MPAs that are prioritized for survey. The subsurface survey will occur after the pedestrian survey in the prioritized areas and will include the following elements:

- HPA/MPA subsurface survey areas will include unsurveyed lands, as well as previously surveyed lands where the date of survey is older than 10 years.
- Shovel probes will be placed within HPAs at the discretion of the Principal Investigator and/or Field Director(s). The shovel probes will be placed in approximate 20 m intervals as possible where sediments are not inundated and in areas that are not too steep. Shovel probe transect intervals may be tightened in areas of higher probability.
- Shovel probes will measure approximately 40–50 centimeters in diameter, will be excavated to the maximum extent reasonably possible (generally 1 m), and observations on soil types and stratigraphic changes will be described.
- Some of the shovel probes may be supplemented by auger to reach depths not feasible with shovel alone, if possible, and at the discretion of the Principal Investigator and/or Field Director(s). It is expected that shovel and auger probes together may reach a maximum depth of 2 m.
- Shovel probe excavation will be terminated if glacial deposits or impenetrable materials (e.g., cobbles or roots) are encountered.
- All materials excavated in shovel probes will be screened through ¼ inch mesh.
- Oakfield soil probes may be implemented on certain landforms to identify whether buried intact sediments are present.
- A sediment profile will be recorded for each of the excavated probes using standard field methods (see Thien 1979). All probes will be photographed.
- The locations of all probes will be recorded on a survey map and with a GPS unit that achieves submeter accuracy in the field.
- No excavations will occur within known archaeological sites as part of the survey following DAHP guidelines (DAHP 2020). Newly identified site boundaries will be delineated by the excavation of shovel probes in all four cardinal directions 20 m from the farthest identified artifacts. If those shovel probes are negative, then additional probes will be excavated at 10 m or 5 m (to be determined by recovery) away from the farthest identified artifacts. If the 20 m probes are positive for cultural materials, an additional probe will be excavated another 20 m out until a negative probe is identified.

Collection and Recordation

No collection will occur as part of the inventory unless authorized by appropriate permits from the NPS, USFS, and/or DAHP. Any collected artifacts would be curated in accordance with federal and state laws, as applicable.

- All identified artifacts will be recorded and photographed in the field.
If identified on the ground surface, the artifact(s) will be left on the ground surface unless collection of an artifact type discovered is directed through the archaeological permit stipulations and authorized by the permitting agency.

If diagnostic artifacts are identified in a shovel probe the artifact(s) will be bagged, tagged, and collected in accordance with the archaeological permit stipulations and authorized by the permitting agency.

Non-diagnostic artifacts, if encountered, will be analyzed in the field and reburied in the respective shovel probe.

All archaeological resources estimated to be 40 years old or older within the survey areas will be documented during pedestrian and subsurface survey. Previously recorded archaeological resources will be revisited during pedestrian survey.

Newly observed archaeological resources will be recorded on State of Washington Site/Isolate Inventory Forms. Site/Isolated Inventory Forms will be updated for all revisited archaeological resources. Updated documentation will include recordation of all newly identified cultural materials and features, reporting of any materials or features that are no longer visible or present, resource condition, and integrity.

2.6.2.2 Historic Built Environment Resources

The historic built environment resources including buildings, structures, objects, historic districts and cultural landscapes will be surveyed at the reconnaissance level as follows:

- Historic built environment resources will be identified based on existing records and build dates.
- All historic built environment resources estimated to be 40 years old or older within the APE will be documented. Resources managed in the HRMMP will be included as necessary (City of Seattle 1991). Many of the historic built environment resources have already been documented and evaluated for the NRHP. Additionally, City Light is currently working on historic built environment documentation and evaluation efforts related to the current license HRMMP. As such, this study will not duplicate this previous or ongoing work, but instead will summarize the findings of this previous/ongoing work in order to meet the goals of this study.
- Analysis of the physical characteristics of the historic built environment resource’s exterior including architectural description of those characteristics, including but not limited to:
  a. Building plan, size, and layout;
  b. Foundation;
  c. Form type;
  d. Exterior cladding;
  e. Roof type and material;
  f. Structural system;
  g. Windows and entrances; and
h. Other pertinent physical characteristics, features, and materials.

- Each resource will be photographed and address/location recorded on a map and with a hand-held GPS unit that achieves submeter accuracy in the field. For areas where submeter accuracy cannot be achieved using GPS, alternate traditional mapping methods will be used to achieve the greatest accuracy possible.

- Physical descriptions will be supported by detailed reviews of existing historic photographs and maps, ownership history, and historic use.

### 2.6.3 Step 3: Post-field Documentation

Post-field documentation will consist of completing archaeological site forms, historic property inventory (HPI) forms, data analysis, maps, and developing cultural and historic contexts for identified archaeological and historic built environment resources. Recommendations of NRHP eligibility will be developed based on the contexts, background information, integrity, and field data, as feasible. NRHP eligibility recommendations will follow National Register Bulletins 15 and 36 to apply the criteria of evaluation. If recommendations of NRHP eligibility require additional fieldwork, the resource(s) would be considered unevaluated. If Project effects will occur on an unevaluated resource, recommendations for NRHP-evaluation or avoidance would be provided.

### 2.6.4 Step 4: Prepare Reports

The results of surveys and post-field documentation will be presented in two survey reports that will comply with Section 106 of the NHPA and DAHP reporting guidelines. Due to confidentiality of archaeological resources data, these reports will separately detail the archaeological and historic built environment resources surveys. A description of any archeological features or artifacts unearthed during the course of this study, including the depth and characteristics of the find, will be included in a confidential document. Due to confidentiality requirements for archaeological site locations, distribution of the reports will be restricted as per RCW 42.56.300. If field surveys require multiple seasons, results would be provided in addenda reports.

Recommendations of NRHP eligibility and initial assessments of Project effects on historic properties will be included in the survey reports, as feasible. The initial assessment of Project effects will include discussion of ways to avoid or minimize adverse effects on NRHP-eligible or listed cultural resources (i.e., historic properties), which may include site protection, fencing, monitoring, etc. The site and HPI forms will be included as attachments in the reports. The findings in the reports will be used to inform the HPMP. If evaluation of NRHP eligibility and Project effects is not feasible, the reports will provide recommendations regarding ways to accomplish those evaluations.

The Section 106 Consulting Parties will have the opportunity to review and comment on the draft reports, including recommendations of NRHP eligibility and Project effects.

### 2.7 Consistency with Generally Accepted Scientific Practice

The methods described above were prepared by Professional Archaeologists who meet the Secretary of Interior (SOI) Professional Qualifications Standards for Archaeology in collaboration with a professional Architectural Historian who meets the SOI Professional Qualification
Standards for History and Architectural History (36 CFR § 61). Field methods and reporting are consistent with the DAHP’s Washington State Standards for Cultural Resources Reporting, Section 106 of the NHPA, and NPS and FERC’s guidelines for cultural resources reporting. The study will follow the same standards and will be overseen by an archaeologist who meets the SOI Professional Qualifications Standards for Archaeology and by an architectural historian who meets the SOI Professional Qualifications Standards for Architectural History (36 CFR § 61).

2.8 Schedule

The Cultural Resources Survey includes establishing the cultural resources survey areas within the APE, review of existing literature and interview data, two seasons of fieldwork to inventory cultural resources, post-field documentation and analysis, and reporting.

- **Step 1 – Develop Research Design and Establish Survey Areas:** Winter – Spring 2021
- **Step 2 – Field Work:**
  - June-October 2021 (first field season)
  - March -September 2022 (second field season)
- **Step 3 – Post-Field Documentation and Analysis:** September 2021 – December 2022
- **Step 4 – Prepare Reports:**
  - Draft Report (Initial Study Report [ISR]): March 2022
  - Final Report (Updated Study Report [USR]): March 2023

2.9 Level of Effort and Cost

The initial estimate for implementation and reporting associated with this study is approximately $1,000,000.
3.0 REFERENCES


CULTURAL RESOURCES SURVEY
PROPOSED STUDY PLAN

ATTACHMENT A

CITY LIGHT RESPONSES TO LP COMMENTS ON THE STUDY PLAN
## Table 1. City Light responses to LP comments on the draft study plan.

<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Nlaka'pamux Nation</td>
<td>05/10/2020</td>
<td>General Comment</td>
<td><em>This Survey is inadequate base for effective management plan.</em></td>
<td>The intent of this survey is to identify archaeological and historic resources within the APE. Other types of cultural resources will be addressed in other study plans. All studies will be used to inform the development of a management plan. Clarification made in Section 1.3.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>In an initial survey or cultural sites within the Project Area around Ross Lake, NNTC cultural surveyors identified a high density of cultural sites: they were identified as within the Project Area as that was the only area that we looked at. This was an initial, narrow survey and incomplete because the high number of recordings within the allotted survey time span.</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Nlaka'pamux Nation</td>
<td>05/10/2020</td>
<td>General Comment</td>
<td><em>This Survey is inadequate base for effective management plan.</em></td>
<td>The intent of this survey is to identify archaeological and historic resources within the APE. Other types of cultural resources will be addressed in other study plans. All studies will be used to inform the development of a management plan. Clarification made in Section 1.3.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>If one of the purposes of the Survey is to collect the information required to draw up a management plan for the protection of cultural sites that are eligible for the NRHP and protected under Section 106, this survey plan on its own is quite inadequate. The stated goals and methodology of the Cultural Resources Survey Draft Study Plan make it very clear that the study will focus only on identifying historic buildings and archaeological sites. A management plan based on incomplete data cannot achieve the goals set out above.</td>
<td></td>
</tr>
<tr>
<td>3.</td>
<td>Nlaka'pamux Nation</td>
<td>05/10/2020</td>
<td>General Comment</td>
<td><em>Data from this survey inadequate to delineate APE for cultural sites.</em></td>
<td>City Light has requested input from the CRWG regarding defining the APE. The proposed APE will be defined prior to initiation of this survey. However, the APE can be revised based on results of this survey and/or on results of other surveys. Clarification made in Section 1.3.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>The NNCT has documented a number Nlaka’pamux cultural sites in the Project Area. Some of these sites were close to – and indeed a couple also incorporate archeological sites. It was very clear from the survey that the Area of Project Effect extended well beyond</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------</td>
<td>------------</td>
<td>-------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>4.</td>
<td>Nlaka'pamux Nation</td>
<td>05/10/2020</td>
<td>General Comment</td>
<td>Data from this survey inadequate to delineate APE for cultural sites.</td>
<td>December 2020 Update: City Light has been delineating the APE with the CRWG and maps are updated in the study plan.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>An APE based only on archeological sites and buildings survey data cannot pretend to have taken into account what is also necessary to protect the living indigenous cultural relationship and cultural sites that are within the APE.</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Nlaka'pamux Nation</td>
<td>05/10/2020</td>
<td>General Comment</td>
<td>Study Plans Themselves pose an Immediate Threat to Cultural Sites.</td>
<td>City Light has requested input from the CRWG regarding defining the APE. The proposed APE will be defined prior to initiation of this survey, which can be revised based on study results. This study is only designed to survey archaeological and historic resources. Other types of cultural resources will be addressed in other studies.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>However the series of Study Plans generated by the relicensing process has added another layer to the concern: that a number of the studies focus on areas that are in an indigenous travel corridor with adjoining component sites and they are being carried out</td>
<td></td>
</tr>
</tbody>
</table>

December 2020 Update: City Light has been delineating the APE with the CRWG. Historic properties with traditional cultural significance are included in CR-04.
<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td>Nlaka'pamux Nation</td>
<td>05/10/2020</td>
<td>General Comment</td>
<td>Study Plans Themselves pose an Immediate Threat to Cultural Sites. The Studies dealing with recreation enhancement are even more of a concern. The area is very beautiful and very attractive for recreation users. It is the direct and indirect effects of the recreation facilities that pose the most risk to the protection of the Nlaka'pamux cultural sites. The Ross Lake shoreline, at high water, coincides with a high density cultural site area. Studies for recreation enhancement are carried out in the same areas.</td>
<td>All personnel who will be conducting field studies will take cultural resources training provided by City Light and its consultants. Additionally, much of the areas where studies will occur are within the NPS boundary, which has its own guidelines for conducting studies, as well as for general recreating that visitors of the park should abide by.</td>
</tr>
<tr>
<td>7.</td>
<td>Nlaka'pamux Nation</td>
<td>05/10/2020</td>
<td>General Comment</td>
<td>Study Plans Themselves pose an Immediate Threat to Cultural Sites. A lesser concern, but a real one, is that the archaeological survey is also very specialised. It will follow very exactly one of the areas of Nlaka’pamux concern. In our experience some cultural sites have been damages or even destroyed by archaeology works that have not taken the “living” site into consideration during their investigations. Hunting blinds, warming trees and spiritual sites are not always recognised as such. NNTC strongly recommends that an Nlaka'pamux cultural surveyor (our surveyors are experienced in working with archeologists) be part of the archaeological survey crew.</td>
<td>Tribal and First Nations representatives will be invited to participate in surveys. Study plan revised to include invitation to participate.</td>
</tr>
<tr>
<td>8.</td>
<td>Nlaka'pamux Nation</td>
<td>05/10/2020</td>
<td>General Comment</td>
<td>Conclusion One of the reasons there is a high density of recorded cultural sites along the shoreline is</td>
<td>The survey for archaeological and historic resources will occur within the APE, which is</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
</tbody>
</table>
| 9.  | Nlaka’pamux Nation                  | 05/10/2020 | General Comment    | **Conclusion**
Nobody anticipated that the level of the Ross Lake reservoir and therefore the shore line would coincide so nearly with the Nlaka’pamux area of highest density use: recreation and indigenous cultural interests are both to be enhanced and protected and this requires a very finely tuned management plan within an appropriate APE. A viable management plan requires complete surveys and complete information.                                                                 | This study is focused on archaeological and historic resources within the APE. Other cultural resources will be surveyed in other studies. The results of all studies will be used to inform future management plans.                                                                                                                                 |
| 10. | Kim DiCenzo (NPS)                   | 05/04/2020 | Section 1.1 General Description of the Projects | [Kim’s notes] Survey plan for high ross impacted areas, … survey for submerged resources… revisiting and rerecording known sites….plan for areas to be surveyed in subsequent years. Survey intervals – every 10-15 years? – maybe for different document | This study plan is focused on surveying archaeological and historic resources within the APE. The APE is being defined by City Light in consultation with the CRWG.
Inundated sites, and subsequent surveys will be addressed in future management plans.
Added unevaluated sites to the paragraph.
Study plan revised to include revisits and updated recording of known resources – changes in section 2.6.2. |
<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 1.3 Study Plan Development</td>
<td>So this is just the study plan and then there will be a scope of work written that is more detailed than this? I want to explicitly reserve the right to collaborate on all future steps of this process and I suspect other LPs do too.</td>
<td>December 2020 Update: City Light has been delineating the APE with the CRWG and maps are updated in the study plan.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 1.3 Study Plan Development</td>
<td>In-Text Edit: This study inventory of the area of potential effects (APE; which will be identified independent of this study) is proposed in partial fulfillment of Section 106 requirements, and is intended to identify historic properties and assess potential Project-related effects to any historic properties within the APE.</td>
<td>Change accepted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.1 Study Goals and Objectives</td>
<td>In-Text Edit: Key components for identifying the priority areas for cultural resources survey will derive both from cultural resources’ potential on the landscape and the scope of potential Project operations and activities which could affect historic properties, pursuant to 36 CFR §800.4(a).</td>
<td>Change accepted.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.1 Study Goals and Objectives</td>
<td>Additional objective: recommend additional work to inform NRHP eligibility.</td>
<td>Added bullet regarding making recommendations about additional work.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.2 Resource</td>
<td>What about cultural resources for which this hasn’t or can’t be determined when this is written (eg. deep draw down arch sites)</td>
<td>The research design that will be developed in 2021 will include known resources and areas. Additionally, future management plans will</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------</td>
<td>------------</td>
<td>-------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>16.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.2</td>
<td>Management Goals Can you reword this so it doesn’t make it sound like there will be three different management plans. Or will there?</td>
<td>Reworded. The existing plans will be updated and integrated into the HPMP for the new license, which will also include management of Project effects on historic properties, unevaluated resources, and unsurveyed portions of the APE that are outside the ARMMP and HRMMP.</td>
</tr>
<tr>
<td>17.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.2</td>
<td>Resource Management Goals In-Text Edit: Information from the 2020–2021 NRHP [add property name] nomination update, which is required by the existing Skagit HRMMP, will also be integrated into assessments of Project effects and development of the new HPMP.</td>
<td>Name added to study plan.</td>
</tr>
<tr>
<td>18.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.2</td>
<td>Resource Management Goals Just want to confirm that the Cultural Landscape Report for Ladder Creek will be updated as a part of the process, up to NPS standards.</td>
<td>Yes, all resources that need updating will be updated to NPS/DAHP standards.</td>
</tr>
<tr>
<td>19.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.3</td>
<td>Background and Existing Information Does this include the transmission line? This number seems low. Are the Newhalem arch sites included? Eg WH81, WH63 and WH477</td>
<td>Numbers based on PAD. Will be refined in Synthesis Study.</td>
</tr>
<tr>
<td>20.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.3</td>
<td>Background and Existing Information Is this a good place for a table or another way to present this? Kinda hard to visualize.</td>
<td>Added table, which is from PAD Table 4.10-1.</td>
</tr>
<tr>
<td>21.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.3</td>
<td>Background and Existing Information In-Text Edit: The Synthesis Study will provide a detailed review of all existing cultural resources data for the Project Boundary, Gorge bypass reach, and fish and wildlife mitigation lands.</td>
<td>Deletion of text accepted.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>study plan for the Synthesis Study is provided in the PAD.</td>
<td></td>
</tr>
<tr>
<td>22.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.5 Study Area</td>
<td>In-Text Edit: In general, the Project Boundary encompasses all land necessary for operation of the Project. The current Project Boundary includes buildings, structures, reservoirs, tailraces, Gorge bypass reach, transmission line right-of-way (ROW) from the powerhouses to Bothell Substation, boat launches at Marblemount and Sauk River...</td>
<td>Change accepted.</td>
</tr>
<tr>
<td>23.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/04/2020</td>
<td>Section 2.5 Study Area</td>
<td>In-Text Edit: The APE also includes lands and properties associated with indirect effects, such as areas potentially subjected to the introduction of or changes to visual, atmospheric, or audible elements from the Project that may diminish the integrity, character, or use of historic properties within the APE near the project.</td>
<td>Change accepted.</td>
</tr>
<tr>
<td>24.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>Big picture here: I think there needs to be more work to clearly identify what is going to get survey, how it will be surveyed, priorities for the 2 field seasons, and a plan for survey of the remaining APE that we won’t get to in the two years of this work.</td>
<td>Details will be included in the research design.</td>
</tr>
<tr>
<td>25.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>What about places identified in ethnographic documents (if any?)... maybe info on this can be derived from Chris Moreno’s work. Or could be another goal of his work.</td>
<td>Added inclusion of Synthesis Study data, including known ethnographic data.</td>
</tr>
<tr>
<td>26.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/5/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>Meh.... I don’t find this model to be particularly useful.</td>
<td>Comment noted.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>27.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>How about also using historic mining claim info.</td>
<td>Added to study plan.</td>
</tr>
<tr>
<td>28.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>This bullet is confusing to me. These are different than the HPAs? Also, I think the Skagit River banks can also have lots of HPAs, and not just moderate. Too big of a blanket statement. Same for reservoirs.</td>
<td>Deleted to avoid confusion. We agree these are high probability for cultural resources. HPAs will be identified during the collaborative development of the research design.</td>
</tr>
<tr>
<td>29.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>I don’t think we can rely on just surveying HPAs. I think there should be a sample of areas outside of the HPAs</td>
<td>Revised to include moderate probability areas that incur Project effects will be surveyed.</td>
</tr>
<tr>
<td>30.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>Wait, this looks like you are defining the APE here. I thought it was being defined outside of this project.</td>
<td>Development of a proposed APE is currently occurring in collaboration with CRWG. This study plan uses initial survey parameters based on the previous NPS and CRWG comments on proposed APE defining during the 2019 collaborative process. The proposed APE will be defined with the CRWG before the PSP is submitted to FERC so this section can be updated once the proposed APE is drafted (prior to PSP filing with FERC). December 2020 Update: City Light has been delineating the APE with the CRWG. Maps have been updated in the study plan.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>-----------</td>
<td>------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>31.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>Again, I think you’re defining the APE here and we were gonna do this collaboratively.</td>
<td>See response to Comment #30.</td>
</tr>
<tr>
<td>32.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>I think this section needs to be moved up to before the bullet “Areas of immediate direct effects” I have been struggling to understand the organization of Step 1 and once reading this it makes a little more sense. I still think this step needs a little polishing of the organization</td>
<td>Section reorganized.</td>
</tr>
<tr>
<td>33.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>In-Text Edit: ■ No current planned activities or no Project effects. “Survey areas that”</td>
<td>Section revised.</td>
</tr>
<tr>
<td>34.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>Same as before concerning APE</td>
<td>See response to Comment #30.</td>
</tr>
<tr>
<td>35.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>Need to make sure you are thinking outside of the Newhalem/Diablo Bubble. Eg Little Beaver Shelter, Hidden Hand, Devils suspension bridge (the NPS has a contract out to evaluate these structures and more)</td>
<td>All historic built environment resources in the APE will be included. No change to study plan.</td>
</tr>
<tr>
<td>36.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.2 Step 2: Review Existing Literature</td>
<td>What will this information be used for? Eg. used to identify survey areas or HPAs that were not previously targeted?</td>
<td>Moved section to Step 1, as it is part of developing the research design. It is to identify survey areas/HPAs.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>----------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>37.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>So all “survey areas” a subset of the APE, will be pedestrian surveyed, starting with the prioritized areas and working down?</td>
<td>Section clarified. Survey of HPAs and moderate probability</td>
</tr>
<tr>
<td>38.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>After the survey of only HPAs? Or all “survey areas”</td>
<td>After HPA pedestrian survey, we will do SPs in HPAs.</td>
</tr>
<tr>
<td>39.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>Oakfield soil probes may be used to identify buried intact soils, (this is particularly helpful in the draw down)</td>
<td>Added clarification of HPA to text.</td>
</tr>
<tr>
<td>40.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>Add Thien 1979 reference</td>
<td>Reference added per suggestion.</td>
</tr>
<tr>
<td>41.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>In-Text Edit: No excavations will occur within known archaeological sites as part of the survey following DAHP guidelines (DAHP 2020).</td>
<td>Changes accepted.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------</td>
<td>------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>42.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>There is quite a bit of historic debris out there including insulators, braided cables, eye bolts, etc. Might need a plan to deal with a large amount of this historic debris.</td>
<td>Details will be developed in the research design (2021).</td>
</tr>
<tr>
<td>43.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>I think you need to devote an entire section to re-recording arch sites. This is gonna be a big task in the draw down and needs to be better thought out. Does this happen as a part of the pedestrian survey component? Will they all get new site forms? NPS has started to chip away at this.</td>
<td>Revisiting sites added to bullet list. The details will included in the research design.</td>
</tr>
<tr>
<td>44.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>In-Text Edit: The historic built environment resources including buildings, structures, historic districts and cultural landscapes will be surveyed at the reconnaissance level survey will be completed as follows:</td>
<td>Changes accepted. Added ‘objects’.</td>
</tr>
<tr>
<td>45.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td>Did I get them all?</td>
<td>Okay to include. Added ‘objects’.</td>
</tr>
<tr>
<td>46.</td>
<td>Kim DiCenzo (NPS)</td>
<td>05/13/2020</td>
<td>Section 2.6.5 Step 5: Prepare Reports</td>
<td>Need to add that parties will have the opportunity to review and comment on reports before they are finalized. And also comment on the NRHP eligibility recommendations.</td>
<td>Study plan revised to include CRWG review and comment periods.</td>
</tr>
<tr>
<td>47.</td>
<td>Kim DiCenzo (NPS)</td>
<td>06/22/2020</td>
<td>Section 2.1 Study Goals and Objectives</td>
<td>In-Text Edit: Colville Confederated Tribes,</td>
<td>Addition made as with modification. Text now reads: Confederated Tribes of the Colville Reservation.</td>
</tr>
<tr>
<td>48.</td>
<td>Kim DiCenzo (NPS)</td>
<td>06/22/2020</td>
<td>Section 2.2 Resource Management Goals</td>
<td>Has there be an audit of past actions to see how well City personnel are adhering to the guidelines? Or is there some sort of annual report that goes to the SHPO where they review the annual activities?</td>
<td>Reporting of HRMMP activities is currently every 5 years. The draft report is sent to the SHPO and NPS for a 30-day review and comment period. The final report is then filed with FERC.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>----------------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>49.</td>
<td>Kim DiCenzo</td>
<td>06/22/2020</td>
<td>Section 2.6 Methodology</td>
<td>Is this research design just for this 2 year project or is it for the whole APE, whenever the survey is implemented? Please clarify.</td>
<td>The research design is for 2 years, aligning with the FERC schedule. Clarified in the section per text edit below (comment #50).</td>
</tr>
<tr>
<td>50.</td>
<td>Kim DiCenzo</td>
<td>06/22/2020</td>
<td>Section 2.6 Methodology</td>
<td>In-Text Edit: It is expected that not all areas will be surveyed during this initial 2 year study. Additional areas within the APE will be inventoried at a later date and this will be outlined in the HPMP.</td>
<td>Revised as recommended with modification. Text now reads: It is expected that not all areas will be surveyed during this two-year study. Additional areas within the APE will be inventoried at a later date, which will be outlined in the HPMP.</td>
</tr>
<tr>
<td>51.</td>
<td>Kim DiCenzo</td>
<td>06/22/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>In-Text Edit: (MPAs)</td>
<td>Addition made as recommended.</td>
</tr>
<tr>
<td>52.</td>
<td>Kim DiCenzo</td>
<td>06/22/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>I don’t want to totally dismiss the low probability areas all together because their identification is only as good as our models. Also, we tend to find unique site types in these areas.</td>
<td>Low probability areas (LPAs) added to section. Recommend pedestrian survey only in areas that are being affected.</td>
</tr>
<tr>
<td>53.</td>
<td>Kim DiCenzo</td>
<td>06/22/2020</td>
<td>Section 2.6.2 Step 2: Conduct Cultural Resources Survey</td>
<td>Has Ross Lake Resort been evaluated for NRHP eligibility?</td>
<td>Ross Lake Resort has not been evaluated for NRHP eligibility. No change to study plan.</td>
</tr>
<tr>
<td>54.</td>
<td>Bob Mierendorf</td>
<td>05/15/2020</td>
<td>Section 1.1 General Description of the Project</td>
<td>Rather than a metaphor, precise descriptive details, such as “discontinuous or detached or isolated land tracts or parcels” more clearly convey the intended meaning.</td>
<td>This standard language is consistent with current license descriptions of these parcels. The associated map is intended to show they are isolated from the rest of the Project.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>55</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 1.3 Study Plan Development</td>
<td>In-Text Edit: When the Project received its current FERC license</td>
<td>Change made as recommended.</td>
</tr>
<tr>
<td>56</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 1.3 Study Plan Development</td>
<td>Would be helpful to describe the unsurveyed portion.</td>
<td>Text revised to read: Under these agreements, only a portion of the Project was surveyed for cultural resources, primarily within Ross Lake.</td>
</tr>
<tr>
<td>57</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.1 Study Goals and Objectives</td>
<td>Does this term have specific definition in FERC/FPA regulatory language? What is it? Is it the same as “Project operations” as used in section 1.2 and in the last paragraph of this page?</td>
<td>Operations and maintenance. Spelled out in Section 1.3.</td>
</tr>
<tr>
<td>58</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.1 Study Goals and Objectives</td>
<td>Is this saying there will not be complete survey of the APE, that should be made clear here?</td>
<td>Clarification added to text in this section that specifies that not all areas are covered in this 2 year study.</td>
</tr>
<tr>
<td>59</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.1 Study Goals and Objectives</td>
<td>Why doesn’t this refer to “Project operations” or “undertaking”?</td>
<td>O&amp;M is the term for Project O&amp;M.</td>
</tr>
<tr>
<td>60</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.3 Background and Existing Information</td>
<td>It would be helpful if somewhere here there is a description of the project natural environment, which is necessary for understanding the full range of substrates that the survey methodology will be applied to: what is elevation range?, forests, meadows, clearings, flood plains, slopes, reservoir bottoms, etc.?</td>
<td>These types of details can be added to the research design, which will be developed with the CRWG in 2021.</td>
</tr>
<tr>
<td>61</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>This is incorrect: not all direct effects are equated with disturbed ground only; a potentially important above-ground cultural resource type is “Culturally-modified tree”, which can be removed by cutting or alterations even in the absence of ground disturbance.</td>
<td>Agreed. Section has been updated to reflect the latest guidance from the ACHP.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>62.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.5 Study Area</td>
<td>Is this a different use of “study area” than was used in the Synthesis study plan?</td>
<td>Yes, this is a different study area. The Survey of the APE study area will be the APE.</td>
</tr>
<tr>
<td>63.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.5 Study Area</td>
<td>Again, direct effects are not confined to ground disturbance.</td>
<td>Effects discussion has been updated to reflect the latest guidance from the ACHP.</td>
</tr>
<tr>
<td>64.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.5 Study Area</td>
<td>Why are existing access roads not listed here?</td>
<td>Effects discussion revised and includes existing roads.</td>
</tr>
<tr>
<td>65.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>In-Text Edit: Data include quantitative data…</td>
<td>Change to text made as recommended.</td>
</tr>
<tr>
<td>66.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>The reference provides empirical evidence for 1. spatial site clustering, 2. quantitative site densities (this finding is lost in the current wording, and 3. great asymmetry in site distribution, with most sites on the east side of the valley, all findings that are critical to planning future surveys.</td>
<td>Reference will help inform the research design.</td>
</tr>
<tr>
<td>67.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>What evidence supports these as “moderate”? This assessment is contrary to widespread evidence of prime site locations. Areas described here are high probability in many locations.</td>
<td>Section revised to clarify high and moderate probability areas. These locations are high probability.</td>
</tr>
<tr>
<td>68.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td>How is “buffer” defined? What is the relationship between a buffer and the project area? How do buffers compare to potential APE boundaries? Why is the buffer concept necessary, since it’s not found in Sec. 106?</td>
<td>Buffer here means the areas 20 m from both shoulders of roads to account for potential effects during activities like road maintenance.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>69.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Given the width of the “buffers” and the potential to effect CR, these lands need to be surveyed if any of them are HPAs. Why are they being left out?</td>
<td>Section revised for clarity. All HPAs will be surveyed – those that are being or will be affected will be surveyed first.</td>
<td></td>
</tr>
<tr>
<td>70.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.1 Step 1: Establish the Survey Areas with the Section 106 Consulting Parties</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>What will happen with HPAs in the APE where no O&amp;M activities are obvious?</td>
<td>HPAs with no obvious Project effects will be surveyed as accessible after those that are experiencing effects are surveyed. If HPAs are not able to be surveyed in the 2-year study, they will be addressed in the HPMP.</td>
<td></td>
</tr>
<tr>
<td>71.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>This is a circular strategy: shovel probes are often necessary to determine ahead of time if there are intact sediments to begin with; intact sites have been found in each of the areas specified here, in the PA around Ross Lake. Can’t you think of any other subsurface probe techniques?</td>
<td>“Intact” deleted. Shovel probe methods to be detailed in the research design (to be developed in 2021). Note that some areas will be bedrock or talus and these will therefore not be shovel tested.</td>
<td></td>
</tr>
<tr>
<td>72.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Collection of diagnostic artifacts and formed tools during survey is important to assessing site significance and in certain cases, such as 1. where high artifact visibility makes it likely that artifacts will be removed by visitors, the public, or others, 2. near environments of erosion or deposition not conducive to artifact preservation in place. A blanket no-collection strategy is ill advised and not supported by the USIT.</td>
<td>Collection will follow stipulations in permits as specified by the permitting agency. Additional details will be developed in the research design (2021).</td>
<td></td>
</tr>
<tr>
<td>73.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.3 Step 3: Conduct Cultural Resources Survey</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Suggest moving this toward the front of the doc, given the frequent references to “site”</td>
<td>Moved to beginning of Section 2.6.2.</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td>74.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.4 Step 4: Post-field Documentation</td>
<td>In-Text Edit: If recommendations of NRHP eligibility require additional fieldwork, the resource(s) would be considered unevaluated ‘and remain potentially eligible’.</td>
<td>Language included as recommended.</td>
</tr>
<tr>
<td>75.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.5 Step 5: Prepare Reports</td>
<td>What restrictions does this impose?</td>
<td>RCW 42.56.300: Restricts sharing of records, maps, or other information identifying the location of archaeological sites in order to avoid the looting or depredation of such sites are exempt from disclosure under this chapter.</td>
</tr>
<tr>
<td>76.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.5 Step 5: Prepare Reports</td>
<td>Where in the report production process does the USIT have an opportunity to review and comment on these drafts before they become final documents? Who else will review the draft report?</td>
<td>Section revised to make CRWG review period clear.</td>
</tr>
<tr>
<td>77.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/15/2020</td>
<td>Section 2.6.8 Schedule</td>
<td>??</td>
<td>Text clarified. Now reads “first field season”.</td>
</tr>
<tr>
<td>78.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 1.2 Relicensing Process</td>
<td>Please add a final sentence that LPs’ participation in the RWGs does not mean there is complete agreement with it.</td>
<td>Text has been clarified. Now reads “City Light invited RWG input to develop this study plan. City Light will continue to engage with RWG in the preparation of the Proposed and Revised Study Plans (18 Code of Federal Regulations [CFR] §§ 5.11-5.13), and through the relicensing process generally.”</td>
</tr>
<tr>
<td>79.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 1.3 Study Plan Development</td>
<td>Is this still true since SCL now proposes the PTRCS, which will cover these property types?</td>
<td>Yes, the Synthesis Study is doing a desktop review of existing ethnographic and PTRCS data.</td>
</tr>
<tr>
<td>80.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 1.3 Study Plan Development</td>
<td>Needs correction, CR-04 is the PTRCS study</td>
<td>This sentence is referring to the issue forms, which had a different numbering system. This correctly references the issue form.</td>
</tr>
<tr>
<td>81.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 1.3 Study Plan Development</td>
<td>??? This needs to be changed to mitigation.</td>
<td>Change made as recommended.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-----------------------------------</td>
<td>------------</td>
<td>---------------------------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>82.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.2 Resource Management Goals</td>
<td>Confusing title, since primary goals were just discussed and its unclear how resource goals are different from them.</td>
<td>Outline is standard to all study plans and is consistent with terminology FERC uses in its review of study plans. A summary of consistency with broader resource management goals is one of FERC’s seven study plan criteria.</td>
</tr>
<tr>
<td>83.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.2 Resource Management Goals</td>
<td>It’s not clear exactly what this means or what “language” this refers to.</td>
<td>Statement was unclear. Deleted.</td>
</tr>
<tr>
<td>84.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.3 Background and Existing Information</td>
<td>Was the initial 1998 inventory and testing study of sites on Ross Lake used to compile table 2.3-1? It has data to address the numbers in the table, see comment below.</td>
<td>The data are from the PAD, which used WISAARD.</td>
</tr>
<tr>
<td>85.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.3 Background and Existing Information</td>
<td>The one-mile study area includes all of the sites inventoried in the 1998 survey and testing report, which reported 144 arch sites, so where does 85 come from? Page 60 of the 1998 report shows 127 precontact arch sites in the drawdown as of that date.</td>
<td>The sites inventoried in the 1998 survey are within the Project boundary. The 85 sites are outside of the Project Boundary but within the 1-mile study buffer which is used to provide broader context regarding surrounding resources. Total of all shown in right hand column.</td>
</tr>
<tr>
<td>86.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.3 Background and Existing Information</td>
<td>Are these two sites WH64 and WH477? which should be in the table.</td>
<td>The table is from the PAD. The sites are outside the Project boundary.</td>
</tr>
<tr>
<td>87.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>These definitions do not meet the Advisory Council on Historic Preservation’s policy established in 2019--it states that direct effects show causation by the undertaking and are not defined by physical effect, and the ACHP memo made clear that visual and auditory effects could be direct; indirect are effects later in time or farther removed in distance. This is a shortened version and the original memo should be consulted for fuller</td>
<td>Effects discussion has been updated per the recent ACHP guidance.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td>88.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>In-Text Edits: Project operations “and maintenance” or Project-related recreation activities or other enhancements may “directly or indirectly” cause changes</td>
<td>Changes accepted as recommended.</td>
</tr>
<tr>
<td>89.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>Additions for consistency with 36 CFR Part 800</td>
<td>Changes accepted as recommended.</td>
</tr>
<tr>
<td>90.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>As noted above, this is inconsistent with federal policy--it’s a direct effect because the cause is immediate.</td>
<td>Revised in accordance with ACHP guidance.</td>
</tr>
<tr>
<td>91.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.4 Project Operations and Effects on Resources</td>
<td>Again, if the cause of the effect is immediate, it is direct, including audio and visual. Needs to be consistent with ACHP policy.</td>
<td>Revised in accordance with ACHP guidance.</td>
</tr>
<tr>
<td>92.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>From this point in the text down to the beginning of section 2.6.2, it is difficult to follow the outline style using a series of different shaped bullets and numerals set at various indentation levels. The result is a circuitous discussion that makes it difficult to assess whether or not what’s being proposed comports with federal policy. The discussion could be made clearer by simply expanding the numerical subheading system of the text to organize the discussion here, and throughout the document.</td>
<td>Section reformatted for clarity.</td>
</tr>
<tr>
<td>93.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design</td>
<td>I don’t see where the survey plan below addresses the project lands that have already been surveyed. For example, are HPAs in Resurvey of areas previously surveyed clarified in Section 2.6.2.</td>
<td></td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>------------------------------------</td>
<td>------------</td>
<td>--------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>94.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>How will it be determined that effects are incurring and who will make them? Is this a field determination or is it based on other data? Remember, adverse effects to historic properties in an area are affects to the property’s characteristics that contribute to its significance, but if these are not made explicit</td>
<td>Added text to section 2.6.1.1.2: “City Light will work with their consultant team and the CRWG during development of the research design to identify areas where Project activities are known to be occurring that could be affecting historic properties, if any such properties exist in these areas.”</td>
</tr>
<tr>
<td>95.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>Audio and visual effects can be direct effects and need to be added to the bulleted list.</td>
<td>Agreed. Text clarified to include “physical, visual, auditory, and/or atmospheric.”</td>
</tr>
<tr>
<td>96.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>It’s unclear what makes these “indirect”: if maintenance was found to cause the loss of historic character, that is a direct effect according to the ACHP.</td>
<td>Text revised to include these bullets under direct effects.</td>
</tr>
<tr>
<td>97.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>This sounds far too tentative and vague. Where is the methodology that links geomorphological data to archaeological resources and shows how these data will be used jointly to assess potential loss of historic</td>
<td>Details will be developed in the research design in 2021, which will be collaborative with the CRWG. The geomorphology study results won’t be ready when the research design is being developed, however, it can inform future surveys.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------------------------------------------</td>
<td>------------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>98</td>
<td>Bob Mierendorf <em>(Upper Skagit Indian Tribe)</em></td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>Because these are HPAs, it is important to the Tribe that the preliminary determinations of project effect in such areas are reviewed before being finalized. Why not consider reconnaissance level pedestrian surveys targeted on these HPA’s? Even if they are &quot;not incurring project effects&quot; at the time of the survey, over the course of a 50 year license, any HPAs may contain sites that are still potentially affected, the potential does not go away in this circumstance. A targeted reconnaissance survey, informed by data and models, is more practical and efficient by its smaller scale.</td>
<td>LPs will have the opportunity to review and discuss Project effects during the Section 106 process of the Project. Over the course of the license period, individual undertakings not anticipated during relicensing would still follow the Section 106 process and can be surveyed at the time an undertaking is proposed as is standard practice. This survey will focus on HPAs that are incurring or will likely incur Project effects. HPAs that are not incurring Project effects will not be prioritized for survey. City Light will survey these as feasible, which will be outlined in the HPMP for the new license.</td>
</tr>
<tr>
<td>99</td>
<td>Bob Mierendorf <em>(Upper Skagit Indian Tribe)</em></td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>What are the defining criteria for moderate probability areas? Such information provided for HPAs was helpful.</td>
<td>Probability areas will be developed in the research design in 2021. Probability will be evaluated based on landform (e.g., slope, elevation, soil types), distance to water, etc. For example, moderate probability areas may be upslope from high probability areas where the distance to water is greater and the slope is steeper, resulting in less favorable conditions for use or longer term habitation.</td>
</tr>
<tr>
<td>100</td>
<td>Bob Mierendorf <em>(Upper Skagit Indian Tribe)</em></td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>For consistency and clarity, need to add defining characteristics, etc. of low probability areas and to note that such areas can contain historic properties. Low probability areas are part of the APE and part of this methodology, but are not even mentioned, that I can find.</td>
<td>Added subsection for low probability areas (LPAs). They will be identified during development of the research design. It is anticipated that those areas that don’t meet the criteria for MPAs or HPAs will be considered LPAs.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>-------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>101</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>In the event that collection is permitted, need to say here what the collection procedures would entail, including adherence to federal curation guidelines.</td>
<td>Collection details will be developed in the research design (2021). Added that any collected artifacts would be curated in accordance with federal and state laws as applicable. Collection will follow permit stipulations which could differ from place to place depending upon land ownership, for example.</td>
</tr>
<tr>
<td>102</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>Note that this is effectively the same site definition as that used since beginning the current license project in Ross Lake and elsewhere (Mierendorf et al. 1998:49) and across North Cascades National Park. This is important because many identification studies, conducted years apart and by different researchers, typically employ different definitions of “site”, complicating comparison of results between the separate studies. Methodological consistency between DAHP 2020 and Ross Lk. 1990s site definitions and survey procedures enhances the cumulative value of project data and collections.</td>
<td>Agreed.</td>
</tr>
<tr>
<td>103</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design and Establish the Survey Areas with the Cultural Resources Work Group</td>
<td>Because some historic structures and features in the Upper Skagit area are on lands inhabited by USIT ancestors, there is the potential for precontact period archaeological remains beneath them features. How will such remains be identified?</td>
<td>Specific details can be developed in the research design in 2021. Areas that are accessible and being affected by the Project will be surveyed as prioritized by probability and Project effects. If these areas are not accessible during the two-year study, they will be incorporated into the HPMP. Information gathered during the Synthesis Study could be helpful to identify areas where such instances occur.</td>
</tr>
<tr>
<td>104</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>06/26/2020</td>
<td>Section 2.6.1 Step 1: Develop Research Design</td>
<td>What is the definition of this level of survey as used here?</td>
<td>A reconnaissance level survey for architectural history is the initial look at historic resources to obtain basic information</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>105</td>
<td>Pauline Douglas, (Nlaka'pamux Nation)</td>
<td>07/02/2020</td>
<td>General Comments</td>
<td>Nlaka'pamux Nation comments regarding archaeological resources and survey, TCP surveys, TCP recordation, APE determination, and Project effects.</td>
<td>Comments received after review period closed. City Light is following up with the Nlaka'pamux Nation to discuss their comments and concerns. December 2020 Update: City Light followed up with the NNTC regarding this matter.</td>
</tr>
</tbody>
</table>
CULTURAL RESOURCES SURVEY
PROPOSED STUDY PLAN

ATTACHMENT B

AREA OF POTENTIAL EFFECTS MAPBOOK
APE MAPBOOK

Legend

- FERC Boundary
- River Mile (USGS)
- National Park / National Recreation Area Boundary
- APE
- High Ross Inundation Zone

Created on 11/20/2020 by HDR for Seattle City Light. City Light provides no warranty, expressed or implied, as to the accuracy, reliability or completeness of this data. Data Source: [XXXXX].
Legend

- FERC Boundary
- River Mile (USGS)
- Mitigation Parcel
- APE

APE MAPBOOK

Page 20 of 31

Created on 11/20/2020 by HDR for Seattle City Light.
City Light provides no warranty, expressed or implied, as to the accuracy, reliability or completeness of this data.
Data Source: [XXXXX].

SKAGIT RIVER HYDROELECTRIC PROJECT (FERC NO. 553)

Created on 10/30/2020 by HDR for Seattle City Light. City Light provides no warranty, expressed or implied, as to the accuracy, reliability or completeness of this data.
Data Source: [XXXXX].
CR-03 GORGE BYPASS REACH
CULTURAL RESOURCES SURVEY
PROPOSED STUDY PLAN

SKAGIT RIVER HYDROELECTRIC PROJECT
FERC NO. 553

Seattle City Light

December 2020
PSP
TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Introduction</td>
<td>1-1</td>
</tr>
<tr>
<td>1.1</td>
<td>General Description of the Project</td>
<td>1-1</td>
</tr>
<tr>
<td>1.2</td>
<td>Relicensing Process</td>
<td>1-1</td>
</tr>
<tr>
<td>1.3</td>
<td>Study Plan Development</td>
<td>1-2</td>
</tr>
<tr>
<td>2.0</td>
<td>Study Plan Elements</td>
<td>2-1</td>
</tr>
<tr>
<td>2.1</td>
<td>Study Goals and Objectives</td>
<td>2-1</td>
</tr>
<tr>
<td>2.2</td>
<td>Resource Management Goals</td>
<td>2-2</td>
</tr>
<tr>
<td>2.3</td>
<td>Background and Existing Information</td>
<td>2-2</td>
</tr>
<tr>
<td>2.4</td>
<td>Project Operations and Effects on Resources</td>
<td>2-3</td>
</tr>
<tr>
<td>2.5</td>
<td>Study Area</td>
<td>2-3</td>
</tr>
<tr>
<td>2.6</td>
<td>Methodology</td>
<td>2-7</td>
</tr>
<tr>
<td>2.7</td>
<td>Consistency with Generally Accepted Scientific Practice</td>
<td>2-10</td>
</tr>
<tr>
<td>2.8</td>
<td>Schedule</td>
<td>2-11</td>
</tr>
<tr>
<td>2.9</td>
<td>Level of Effort and Cost</td>
<td>2-11</td>
</tr>
<tr>
<td>3.0</td>
<td>References</td>
<td>3-1</td>
</tr>
</tbody>
</table>

List of Figures

<table>
<thead>
<tr>
<th>Figure No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 2.5-1.</td>
<td>Location map of the Skagit River Hydroelectric Project APE.</td>
<td>2-5</td>
</tr>
<tr>
<td>Figure 2.5-2.</td>
<td>Gorge bypass reach study area.</td>
<td>2-6</td>
</tr>
</tbody>
</table>

List of Attachments

Attachment A: City Light Responses to LP Comments on the Study Plan
List of Acronyms and Abbreviations

APE ................................area of potential effects
ARMMP ..........................(Skagit) Archaeological Resources Mitigation and Management Plan
ARPA ..........................Archaeological Resources Protection Act
BIA .............................Bureau of Indian Affairs
CFR .............................Code of Federal Regulations
City Light ................. Seattle City Light
CRWG .........................Cultural Resources Work Group
DAHP ..........................Department of Archaeology and Historic Preservation
DMS ...........................Document Management System
DNR ...........................Department of Natural Resources (Washington State)
ELC ............................Environmental Learning Center
EO ..............................executive order
FERC ..........................Federal Energy Regulatory Commission
GPS ............................Global Positioning System
HPA ............................high probability area
HPI ..............................historic property inventory
HPMP ..........................Historic Properties Management Plan
HRMMP ..........................(Skagit) Historic Resources Mitigation and Management Plan
ISR .............................Initial Study Report
LiDAR .........................Light Detection and Ranging
LP ...............................licensing participant
m ...............................meter
NAGPRA .....................Native American Graves Protection and Repatriation Act
NHPA ..........................National Historic Preservation Act
NPS ............................National Park Service
NRHP ..........................National Register of Historic Properties
O&M ............................operation and maintenance
OHWM ..........................ordinary high water mark
PAD ............................Pre-Application Document
PME ............................protection, mitigation, and enhancement
Project .......................Skagit River Hydroelectric Project
PSP .............................Proposed Study Plan
PTRCI ........................properties of traditional religious and cultural importance to an Indian
tribe or Native Hawaiian organization
RCW ..............................Revised Code of Washington
RLNRA ......................Ross Lake National Recreation Area
RM ..............................river mile
RWG ..............................Resource Work Group
SHPO ..............................State Historic Preservation Officer
SOI ..............................Secretary of the Interior
TCP ..............................traditional cultural property
U.S.C .............................United States Code
USFS ..............................U.S. Forest Service
WISAARD ..................Washington Information System for Architectural and Archaeological
Records Data
1.0 INTRODUCTION

1.1 General Description of the Project

The Skagit River Hydroelectric Project (Project), licensed to The City of Seattle, Washington, and operated through its publicly-owned electric power utility Seattle City Light (City Light), is located in northern Washington State and consists of three power generating developments on the Skagit River – Ross, Diablo, and Gorge – and associated lands and facilities. The Project generating facilities are in the Cascade Mountains of the upper Skagit River watershed, between river miles (RM) 94 and 127. Power from the Project is transmitted via two 230-kilovolt powerlines that span over 100 miles and end just north of Seattle at the Bothell Substation. The Project also includes two City Light-owned towns, an Environmental Learning Center (ELC), several recreation facilities, and several parcels of fish and wildlife mitigation lands.

Project generating facilities are all located in Whatcom County, although Ross Lake, the most upstream reservoir, crosses the U.S.-Canada border and extends for about one mile into British Columbia at normal maximum water surface elevation. Gorge Powerhouse, the most downstream facility, is approximately 120 miles northeast of Seattle and 60 miles east of Sedro-Woolley, the nearest large town. The closest town is Newhalem, which is part of the Project and just downstream of Gorge Powerhouse. The primary transmission lines cross Whatcom, Skagit, and Snohomish counties; the fish and wildlife mitigation lands are in the same counties.

The Project Boundary is extensive, spanning over 133 miles from the Canadian border to the Bothell Substation just north of Seattle, Washington. In addition, there are “islands” of fish and wildlife mitigation lands and recreation facilities within the Skagit, Sauk, and South Fork Nooksack watersheds that are also within the Project Boundary. Project generating facilities are entirely within the Ross Lake National Recreation Area (RLNRA), which is administered by the National Park Service (NPS) as part of the North Cascades National Park Complex. The RLNRA was established in 1968 in the enabling legislation for North Cascades National Park to provide for the “public outdoor recreation use and enjoyment of portions of the Skagit River and Ross, Diablo, and Gorge lakes.” The legislation maintains the Federal Energy Regulatory Commission’s (FERC) jurisdiction “in the lands and waters within the Skagit River Hydroelectric Project,” as well as hydrologic monitoring stations necessary for the proper operation of the Project (16 United States Code [U.S.C.] § 90d-4; Public Law 90-544. Sec. 505 dated October 2, 1968, as amended by Public Law 100-668. Sec. 202 dated November 16, 1988).

1.2 Relicensing Process

The current FERC license for the Project expires on April 30, 2025, and City Light will apply for a new license no later than April 30, 2023. City Light formally initiated the relicensing process by filing a Notice of Intent and Pre-Application Document (PAD) with FERC on April 27, 2020 (City Light 2020). The PAD includes descriptions of the Project facilities, operations, license requirements, and Project lands as well as a summary of the extensive existing information available on Project area resources and early consultation on potential resource issues to be addressed during the relicensing. The PAD also includes an outline of the goals and objectives of this study.
In 2019-2020, City Light convened a series of Resource Work Groups (RWG) to engage agencies and other licensing participants (LP) in the Study Plan Development Process. This study plan reflects RWG discussion and study requests and comments submitted by LPs.

1.3 Study Plan Development

Relicensing of the Project by FERC is considered a federal undertaking under Section 106 of the National Historic Preservation Act (NHPA), as amended, and its implementing regulations (36 Code of Federal Regulations [CFR] § 800). Section 106 establishes a process for federal agencies to identify and take into account the effects of their undertakings on historic properties, as defined below:

Historic property means any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places (NRHP) maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization [PTRCI] and that meet the National Register criteria [36 CFR § 800.16(l)(1)].

City Light’s continued operations and maintenance (O&M) of the Project under a new FERC license may affect historic properties. Therefore, City Light is proposing four studies to assist FERC with its Section 106 compliance requirements. These studies consist of:

1. CR [cultural resources]-01 Cultural Resources Data Synthesis
2. CR-02 Cultural Resources Survey
3. CR-03 Gorge Bypass Reach Cultural Resources Survey
4. CR-04 Inventory of Historic Properties with Traditional Cultural Significance Study

This study plan, Gorge Bypass Reach Cultural Resources Survey, is proposed in partial fulfillment of Section 106 requirements and is intended to identify historic properties and assess potential Project-related effects to historic properties within the bypass reach study area.

A study of the Gorge bypass reach was specifically requested during the 2019 Study Plan Development Process (see Issue Form CR06, Bypass Reach Survey) because this area has not been subjected to a comprehensive cultural resources survey. The Gorge bypass reach may be a sensitive area for historic properties. Participants in City Light’s 2019 Study Plan Development Process recognized the Gorge bypass reach as a key area where potential for cultural resources and Project effects intersect, and requested that a survey occur early for the Gorge bypass reach and in advance of defining the formal area of potential effects (APE) for the overall Skagit River Project. City Light is working with Section 106 consulting parties on the delineation of the APE as FERC’s non-federal representative¹ for carrying out informal Section 106 of the NHPA consultation. The

¹ On June 26, 2020, FERC issued a Notice of Intent to File License Application for a New License and Commencing Pre-filing Process within which FERC designated City Light as its non-federal representative for carrying out informal consultation pursuant to Section 106 (FERC Filing Accession no. 20200626-3024).
survey for archaeological and historic built environment resources within remaining areas of the APE will be addressed in a separate study plan, the Cultural Resources Survey.

On March 13, 2020, City Light released the Gorge Bypass Reach Cultural Resources Survey Draft Study Plan for LP review and comment. On March 19, 2020, the draft study plan was discussed at a Cultural Resources Work Group (CRWG) meeting. City Light reviewed all comments received and released a revised version of the draft study plan on April 27, 2020. The revised draft was discussed on May 4, 2020 at a CRWG meeting. City Light reviewed additional comments received and released a second revised version of the draft study plan on June 19, 2020. Written comments were received from Nlaka'pamux Nation, NPS, and Upper Skagit Indian Tribe and responded to in an attachment to this study plan. A Status Draft of the study plan was provided to LPs on August 6, 2020.

City Light is filing this study plan with FERC as part of its Proposed Study Plan (PSP), incorporating additional consultation prior to the filing date. No formal study requests related to this study were filed with FERC.

The results of the Gorge Bypass Reach Cultural Resources Survey are expected to include confidential and/or privileged information that is exempt from public release. The confidential and privileged information will be protected, in consultation with the Section 106 consulting parties. State and federal laws exempt certain types of cultural resources information from public disclosure (e.g., Revised Code of Washington [RCW] 42.56.300, 16 U.S.C. 470hh(a)).
2.0 STUDY PLAN ELEMENTS

2.1 Study Goals and Objectives

Section 106 of the NHPA requires federal agencies to take into account the effects of their undertakings on historic properties and includes procedures for the “identification…and evaluation of historic properties” (36 CFR § 800.4). The goal of this study is to assess the potential effects of the Project’s O&M on cultural resources within the Gorge bypass reach that are included in or eligible for listing in the NRHP. The survey and study report will be developed in consultation with the Section 106 consulting parties.

In the current FERC license period, Section 106 consulting parties include: State Historic Preservation Officer (SHPO), NPS, FERC, Upper Skagit Indian Tribe, Sauk-Suiattle Indian Tribe, Swinomish Indian Tribal Community, Nlaka’pamux Nation Tribal Council, and City Light. In addition to these parties, City Light anticipates additional consulting parties may include: Bureau of Indian Affairs (BIA), U.S. Forest Service (USFS), Washington Department of Natural Resources (DNR), Snohomish County, Stó:lō Nation, Confederated Tribes of the Colville Reservation, Lummi Nation, Muckleshoot Indian Tribe, Nooksack Indian Tribe, Samish Indian Nation, Snoqualmie Indian Tribe, Stillaguamish Tribe of Indians, Suquamish Tribe, Tulalip Tribes of Washington, as well as other potential parties to be identified during Section 106 consultation, which FERC initiated when it issued public notice on June 26, 2020, of City Light’s filing of the PAD and Notice of Intent (NOI).

The primary objective of the study is to provide sufficient information to assist FERC in compliance with Section 106 of the NHPA and other cultural resources regulations and executive orders. Information collected during the survey will be used to identify archaeological and historic built environment resources that qualify as historic properties in the Gorge bypass reach study area and to assess potential Project effects.

The specific objectives of the study are as follows:

- Define the study area in consultation with Section 106 consulting parties. The Gorge bypass reach study area is incorporated in the APE.
- Review and synthesize existing archaeological, historical, and ethnographic data within a 1.0 mile (1.6 km) buffer of the proposed Gorge bypass reach study area to provide cultural context.
- Complete a cultural resources survey of the proposed Gorge bypass reach study area. The survey will include both an archaeological and historic built environment resources survey.
- Identify and record cultural resources within the proposed Gorge bypass reach study area.
- Complete initial evaluation of NRHP eligibility for identified cultural resources, if possible, at this inventory level of effort.²

² Some cultural resources may require additional work beyond this level of effort, which may be done at a later time (e.g., some archaeological sites may require test excavations prior to NRHP evaluation and some built environment resources may require extensive archival research prior to NRHP evaluation).
2.0 Study Plan Elements

- Preliminarily evaluate the potential effects on NRHP-listed and eligible cultural resources (e.g., historic properties) from operation and maintenance of the Project, if possible, at this inventory level of effort.
- Summarize survey results in regard to potential effects of the Project on cultural resources in the license application.
- Provide recommendations concerning any additional studies that may be needed to evaluate NRHP eligibility of cultural resources identified during the survey.

2.2 Resource Management Goals

This section summarizes City Light’s management goals related to cultural resources for this study. The study will provide information which may help Indian tribes and resource agencies with jurisdiction in the Project Boundary identify appropriate recommendations and conditions for the new Project license pursuant to their respective goals and/or authorities.

City Light’s goal, with regard to cultural resources for this study, is to identify NRHP-listed and eligible cultural resources in the study area that are, or have potential to be, affected by the Project. This information will be used when determining ways to avoid, minimize, or mitigate adverse effects on historic properties, as outlined in 36 CFR § 800.6. The findings from this study will be incorporated into a newly created Historic Properties Management Plan (HPMP) for the new license and other appropriate protection, mitigation, and enhancement (PME) measures for the Project. The HPMP would be developed to manage NRHP-listed and eligible cultural resources within the APE under the new license.

2.3 Background and Existing Information

The Gorge bypass reach has not been systematically inventoried for cultural resources. Background and existing information on the Gorge bypass reach will be developed as part of the Cultural Resources Data Synthesis. Additional information will be obtained by interviewing people with relevant knowledge of the Gorge bypass reach study area. Outreach to the NPS and Indian tribes/First Nations will also be conducted to request existing documents or studies that are relevant to the proposed Gorge bypass reach study area.

Information gathering will include review of prior studies conducted by or for City Light, NPS, and Indian tribes and First Nations, as well as studies completed for other projects that overlap with the proposed Gorge bypass reach study area. Some information will be available from the Cultural Resources Data Synthesis. The Cultural Resources Data Synthesis will provide a detailed review of all existing cultural resources data for the Project Boundary, bypass reach, and fish and wildlife mitigation lands. As part of the current license, City Light is updating the Skagit Historic Resources Mitigation and Management Plan (HRMMP) and the National Register form for the Skagit River and Newhalem Creek Hydroelectric Projects (DT00066; NR Listing # 11000016) (Erigero 1990; Johnson 2010; NRHP 2011). Any new information available from that update will be incorporated to this study as appropriate.
2.4 Project Operations and Effects on Resources

Potential effects that may be associated with this undertaking include any Project-related effects associated with the day-to-day operation and maintenance of the Project and any new activity proposed under the new license. Types of effects may include direct (i.e., the result of Project activities at the same time and place with no intervening cause), indirect (i.e., the result of Project activities later in time or further removed in distance but reasonably foreseeable), and/or cumulative (e.g., caused by a Project activity in combination with other non-Project past, present, and foreseeable future activities) (ACHP 2019).

Section 106 of the NHPA requires federal agencies to consider direct, indirect, and cumulative adverse effects of their undertakings on historic properties. In this case, the undertaking is FERC’s issuance of a new license for the Project. 36 CFR § 800.5(a)(1) states that:

An adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the National Register in a manner that would diminish the integrity of the property’s location, design, setting, materials, workmanship, feeling, or association. Consideration shall be given to all qualifying characteristics of a historic property, including those that may have been identified subsequent to the original evaluation of the property’s eligibility for the National Register. Adverse effects may include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance or be cumulative.

Following pre-license studies and discussions leading up to the 1991 FERC No. 553 settlement agreements (City Light 1991a, b, c, d, 1993, 1994, and 1996), only a portion of the Project was assessed for its effects to cultural resources. As a result, additional information is needed to understand Project effects, if any, on historic properties within the Gorge bypass reach study area.

2.5 Study Area

The proposed Gorge bypass reach study area is in a portion of the APE within Sections 14, 21, 39, 40, and 45 of Township 37 North, Range 12 East of the Willamette Meridian (Figure 2.5-1). The proposed Gorge bypass reach study area includes the Gorge bypass reach from the Gorge Dam to the Gorge Powerhouse, in addition to the areas listed below.

- Skagit River: historic ordinary high water mark (OHWM)
- Penstock underground tunnel
- Transmission line between the Gorge Dam and the Gorge Powerhouse
- Stabilization lines for transmission lines between the Gorge Dam and the Gorge Powerhouse
- Access trails for transmission tower and distribution pole maintenance between the Gorge Dam and the Gorge Powerhouse

3 A larger scale mapbook of the APE is provided in an attachment to CR-02 Cultural Resources Survey.
4 City Light is in the process of updating mapping of project roads and other project features through GIS. If needed, this study area will be expanded to include project roads and features, which are likely or have reasonable potential for causing effects to unsurveyed areas where undiscovered cultural resources may be present.
- Distribution line from Gorge Powerhouse to Gorge Dam between the Gorge Dam and the Gorge Powerhouse
- Gorge Dam
- Gorge Dam access road and bridge
- Gorge Dam south bank access roads

A buffer of 250 feet (76 meters [m]) has been mapped around these areas (see Figure 2.5-2) as the proposed Gorge bypass reach study area. Survey may not be completed at every location for both archaeological and historic built environment resources depending upon accessibility and updates to the National Register form for the Skagit River and Newhalem Creek Hydroelectric Projects (Erigero 1990; Johnson 2010; NRHP 2011). Areas designated as high probability areas (HPA) and locations for survey will be finalized with the Section 106 consulting parties.
Figure 2.5-1. Location map of the Skagit River Hydroelectric Project APE.
Figure 2.5-2. Gorge bypass reach study area.
2.6 Methodology

The Gorge Bypass Reach Cultural Resources Survey will include establishing the Gorge bypass reach study area, review of existing literature and interview data, one season of fieldwork to inventory cultural resources, post-field documentation and analysis, and reporting.

**Step 1:** Review the proposed Gorge bypass reach study area with the Section 106 consulting parties.

**Step 2:** Develop a research design and review existing literature obtained during the Cultural Resources Data Synthesis. Conduct interviews with individuals and staff from City Light, NPS, and Indian tribes/First Nations who have knowledge of the Gorge bypass reach study area. Some of these materials are accessible to City Light on its internal Document Management System (DMS) in both confidential and non-confidential sections. During outreach, additional existing documents or studies that are relevant to the proposed Gorge bypass reach study area but are not currently in City Light’s DMS will be identified and reviewed. Additionally, information available on the Washington Information System for Architectural and Archaeological Records Data (WISAARD), as well as archives, libraries, and online sources will be reviewed.

Step 2 will identify pedestrian survey areas within the Gorge bypass reach study area based on preliminary discussion during the 2019 Study Plan Development Process, review of existing historic aerial imagery, Light Detection and Ranging (LiDAR) data, and historic maps. Additionally, HPAs containing archaeological resources within the Gorge bypass reach study area will be identified using the probability model available on WISAARD; local topography, landform mapping, and soils data; and data obtained during literature review and compared against historic and modern photographs, maps, drawings, LiDAR and other geospatial data as available. The Skagit HRMMP will also be referenced to isolate areas and/or cultural resources that need survey. HPAs for historic built environmental resources would be identified based on existing records and build dates.

**Step 3:** Acquire necessary archaeological permits and conduct survey in the Gorge bypass reach study area. The survey will include both an archaeological and historic built environment resources survey that will be completed in compliance with the Washington State Standards for Cultural Resources Reporting (Department of Archaeology and Historic Preservation [DAHP] 2020), NPS guidelines, Archaeological Resources Protection Act (ARPA), Organic Act, and Section 106 of the NHPA.

The archaeological survey will be undertaken in one field season. However, should access require additional field coordination or if additional survey is warranted within the Gorge bypass reach study area, a second field season will occur. The survey methods are outlined as follows:

- A pedestrian archaeological survey will be undertaken for all safely accessible areas of the Gorge bypass reach study area with archaeologists walking on foot visually inspecting the ground surface. No slopes greater than 30 degrees will be walked but will be visually assessed from above or below the slope as feasible.
• Parallel meandering pedestrian transects with reasonable spacing (5-20 m) for the terrain to achieve good survey coverage in HPAs and appropriate distance for safety will be undertaken.

• Anchor points on transects will be recorded by a hand-held Global Positioning System (GPS) unit that achieves submeter accuracy in the field. For areas where submeter accuracy cannot be achieved using GPS, alternate traditional mapping methods will be used to achieve the greatest accuracy possible.

• Overview photographs will be taken of all survey areas. Surrounding vegetation and ground visibility will be documented and representative examples will be photographed.

  ▪ Subsurface archaeological survey will be undertaken within HPAs. The subsurface survey will occur after the pedestrian survey and will include the following elements:

    • Shovel probes will be placed within HPAs and in areas that contain intact sediments identified by the Principal Investigator and/or Field Director(s) during fieldwork. The shovel probes will be placed approximately 20 m intervals as possible where sediments appear intact, are not inundated, and in areas that are not too steep. Shovel probe transect intervals may be tightened in areas of higher probability.

    • Shovel probes will measure approximately 40-50 centimeters in diameter and will be excavated to the maximum extent reasonably possible (generally 1 m) and observations on soil types and stratigraphic changes will be described.

    • At the discretion of the Principal Investigator and/or Field Director(s), some of the shovel probes may be supplemented by auger to reach depths not feasible with shovel alone. Shovel and auger probes together may reach a maximum depth of 2 m.

    • Shovel probe excavation will be terminated if glacial deposits or impenetrable materials (e.g., cobbles or roots) are encountered.

    • All excavated materials will be screened through ¼ inch mesh.

    • A sediment profile will be recorded for each of the excavated probes. All probes will be photographed.

    • The locations of all probes will be recorded on a survey map and with a GPS unit that achieves submeter accuracy in the field.

    • Shovel and auger probes will be used to identify presence/absence of archaeological sites and define site boundaries. No excavations (e.g., testing or data recovery) will occur within archaeological sites as part of the survey.

    • Site boundaries will be delineated by the excavation of shovel probes in cardinal directions 20 m from the farthest identified artifacts. If those shovel probes are negative, then additional probes will be excavated at 10 m or 5 m (to be determined by recovery) away from the farthest identified artifacts. If the 20 m probes are positive for cultural materials, then another 20 m buffer will be added and additional probes will be excavated in cardinal directions.

  ▪ All archaeological resources estimated to be 40 years old or older within the Gorge bypass reach study area will be documented.
Artifact recordation and collection, which will be outlined in the ARPA permit, will occur as follows:

- Artifacts identified on the ground surface will not be collected unless they are at risk of looting, erosion, etc.
- Surface artifacts will be recorded, catalogued, and photographed in the field. After recordation, they will be left on the ground surface where they were found unless collection of an artifact type is directed through the archaeological permit stipulations and authorized by the permitting agency.
- All precontact artifacts identified in shovel probes will be collected.
- Diagnostic historic artifacts identified in shovel probes will also be collected. If there are multiple artifacts of the same type (e.g., bottles of the same make), an approximate 10% sample of the artifact type will be collected.
- All collected artifacts will be recorded, photographed, bagged, and cataloged in the field prior to transport.
- Undiagnostic historic artifacts (e.g., glass fragments) identified in shovel probes will not be collected. They will be recorded, catalogued, and photographed in the field. After recordation, they will be reburied in their respective shovel probe(s).

In the State of Washington, an archaeological site is defined as a geographic locality that contains two or more artifacts and/or features of human construction (DAHP 2020). An archaeological site may span multiple time periods and could include multiple components consisting of historic and precontact resources, as well as associated historic built environment resources. An isolated artifact consists of a single item without associated features or deposits (DAHP 2020). Newly observed and revisited archaeological resources will be recorded on State of Washington Site/Isolate Inventory Forms.

The reconnaissance-level historic built environment resources survey of the Gorge bypass reach study area will be completed as follows:

- All historic built environment resources estimated to be 40 years old or older within the Gorge bypass reach study area will be documented if they are not already included and updated in the Skagit River and Newhalem Creek Hydroelectric Projects historic district (DT0066) as part of the current license activities. Resources managed in the HRMMP will be included as necessary (City of Seattle 1991).
- Historic built environment resources will be identified based on existing records and build dates.
- Analysis of the physical characteristics of the historic built environment resource’s exterior including architectural description of those characteristics, including but not limited to:
  - Building plan, size, and layout;
  - Foundation;
  - Form type;
- Exterior cladding;
- Roof type and material;
- Structural system;
- Windows and entrances; and
- Other pertinent physical characteristics, features, and materials.

- Each resource will be photographed and address/location recorded on a map and with a hand-held GPS unit that achieves submeter accuracy in the field. For areas where submeter accuracy cannot be achieved using GPS, alternate traditional mapping methods will be used to achieve the greatest accuracy possible.

- Physical descriptions will be supported by detailed reviews of existing historic photographs and maps, ownership history, and historic use.

**Step 4:** Archaeological site forms, historic property inventory (HPI) forms, data analysis, maps, will be completed after fieldwork. Cultural and historic contexts for identified cultural resources will be developed based upon the data collected. NRHP recommendations regarding eligibility will be developed based on the contexts, background information, integrity, and field data, as feasible. NRHP-eligibility recommendations will follow National Register Bulletins 15 and 36 to apply the criteria of evaluation. If recommendations of NRHP eligibility require additional fieldwork, the resource(s) would be considered unevaluated. If Project effects will occur on an unevaluated resource, recommendations for NRHP-evaluation or avoidance would be provided.

**Step 5:** The results of the survey and post-field documentation will be presented in two study reports that comply with Section 106 of the NHPA, NPS, and DAHP reporting guidelines. Archaeological resources data will be reported upon separately from historic built environment resources due to confidentiality for sensitive archaeological resources. A description of any archeological features or artifacts unearthed during the course of this study, including the depth and characteristics of the find, will be included in a confidential document. Due to confidentiality requirements for archaeological site locations, distribution of the reports will be restricted as per RCW 42.56.300.

NRHP eligibility recommendations and initial assessments of Project effects on historic properties will be included in the reports, as feasible. The initial assessment of Project effects will include discussion of ways to avoid or minimize adverse effects on NRHP-eligible or listed cultural resources (i.e., historic properties), which may include treatment, such as site protection, fencing, monitoring, etc. The site and HPI forms will be included as appendices in the reports, as appropriate. The findings in the reports will be used to inform the development of the HPMP for the new license. If evaluation of NRHP eligibility and Project effects is not feasible, the reports will provide recommendations regarding ways to accomplish those evaluations.

### 2.7 Consistency with Generally Accepted Scientific Practice

The methods described above were prepared by Professional Archaeologists who meet the Secretary of the Interior’s (SOI) Professional Qualifications Standards for Archaeology, in collaboration with a professional Architectural Historian who meets the SOI Professional Qualifications Standards for History and Architectural History (36 CFR § 61). Field methods and
reporting are consistent with the DAHP’s Washington State Standards for Cultural Resources Reporting, Section 106 of the NHPA, and NPS and FERC guidelines for cultural resources reporting. The study will follow the same standards and will be overseen by an archaeologist who meets the SOI Professional Qualifications Standards for Archaeology and by an architectural historian who meets the SOI Professional Qualifications Standards for Architectural History (36 CFR § 61).

### 2.8 Schedule

The Gorge Bypass Reach Cultural Resources Survey includes a review of the Gorge bypass reach study area, review of existing literature and interview data, one season of fieldwork to inventory cultural resources, post-field documentation and analysis, and reporting.

- **Step 1 – Review Gorge Bypass Reach Study Area**
  - January to March 2021
- **Step 2 – Develop Research Design**
  - March to May 2021
- **Step 3 – Field Work**
  - June to July 2021
- **Step 4 – Post-field Documentation and Analysis**
  - August to December 2021
- **Step 5 – Reporting**
  - Final Study Report (Initial Study Report [ISR]) – March 2022

### 2.9 Level of Effort and Cost

The initial estimate for implementation and reporting associated with this study is approximately $170,000.
3.0 REFERENCES


___. 1991d. Skagit River Hydroelectric Project No. 553: Settlement Agreement Concerning


GORGE BYPASS REACH CULTURAL RESOURCES SURVEY
PROPOSED STUDY PLAN

ATTACHMENT A

CITY LIGHT RESPONSES TO LP COMMENTS ON THE STUDY PLAN
### Table 1. City Light responses to LP comments on the study plan.

<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pauline Douglas (Nlaka'pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>The area under consideration for this study plan is considered part of the shared boundary territory between Nlaka'pamux and neighbours. Under the Settlement Agreement of 1993 between SCL and NNTC, the NNTC was to research and document an Inventory of Traditional Properties and Recommendations for protection and mitigation within the FERC project area in the Upper Skagit River Valley. The Nlaka'pamux ground cultural investigators could not cover the perimeter of the area within the time-frame allotted for the field survey. They were also constrained to the narrow ribbon of land under FERC jurisdiction. So the planned study of the Gorge By Pass Reach area is of particular interest to the NNNTC.</td>
<td>City Light acknowledges the stated interest and is following up with the Nlaka'pamux Nation.</td>
</tr>
<tr>
<td>2.</td>
<td>Pauline Douglas (Nlaka'pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>NNTC principal concern with the Draft Study Plan is that while the goals include the documentation of cultural sites and TCP’s, the methodology focuses on work on historic sites and buildings — and archaeological investigation. There is no mention of TCP investigation specifically in the methodology — and there is a difference between archaeological and TCP research.</td>
<td>December 2020 Update: City Light followed up with NNNTC regarding this matter. CR-04 Inventory of Historic Properties with Traditional Cultural Significance will include TCPs.</td>
</tr>
<tr>
<td>3.</td>
<td>Pauline Douglas (Nlaka'pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>Archaeological sites and TCPs do share some of the same attributes and can, at times, be one in the same: however fundamental criteria do exist for each. Archaeological sites are those City Light is following up with the Nlaka'pamux Nation. This study is meant to only cover archaeological and historic resources. Potential future TCP study can be developed as data gaps are identified during the Synthesis Study (CR-01). Text clarified in Section 2.1 to clarify archaeological and historic built environment resources.</td>
<td>December 2020 Update: City Light followed up with NNNTC regarding this matter. CR-04 Inventory of Historic Properties with Traditional Cultural Significance will include TCPs.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>properties that provide the physical evidence or material remains of previous human activities. In contrast, areas or landscape occurrences associated with oral history, origin narratives, or accounts of traditional cultural use with or without corroborating (physical) evidence may be determined eligible to the National Register as a TCP but may not be considered an archaeological site. (K.R. Bush)</td>
<td>December 2020 Update: City Light followed up with NNTC regarding this matter. CR-04 Inventory of Historic Properties with Traditional Cultural Significance will include TCPs.</td>
</tr>
<tr>
<td>4.</td>
<td>Pauline Douglas (Nlaka’pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>How do the consultants plan to identify Traditional Cultural Properties or cultural sites?</td>
<td>City Light is following up with the Nlaka’pamux Nation. This study is meant to only cover archaeological and historic resources. Potential future TCP study can be developed as data gaps are identified during the Synthesis Study (CR-01). December 2020 Update: City Light followed up with NNTC regarding this matter. CR-04 Inventory of Historic Properties with Traditional Cultural Significance will include TCPs.</td>
</tr>
<tr>
<td>5.</td>
<td>Pauline Douglas (Nlaka’pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>Is the identification expected just from the Data Synthesis?</td>
<td>City Light is following up with the Nlaka’pamux Nation. Potential future TCP study can be developed as data gaps are identified during the Synthesis Study (CR-01). December 2020 Update: City Light followed up with NNTC regarding this matter. CR-04 Inventory of Historic Properties with Traditional Cultural Significance will include TCPs.</td>
</tr>
<tr>
<td>6.</td>
<td>Pauline Douglas (Nlaka’pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>Is the identified expected just from interviews conducted?</td>
<td>City Light is following up with the Nlaka’pamux Nation. Potential future TCP study can be developed as data gaps are identified during the Synthesis Study (CR-01).</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>7.</td>
<td>Pauline Douglas (Nlaka’pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>Do they plan to include Tribes/First Nations cultural investigators on the ground study?</td>
<td>December 2020 Update: City Light followed up with NNTC regarding this matter. CR-04 Inventory of Historic Properties with Traditional Cultural Significance will include TCPs. City Light is following up with the Nlaka’pamuk Nation.</td>
</tr>
<tr>
<td>8.</td>
<td>Pauline Douglas (Nlaka’pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>Are Tribes/First Nations expected to do their own research?</td>
<td>December 2020 Update: City Light followed up with NNTC regarding this matter. CR-04 Inventory of Historic Properties with Traditional Cultural Significance will include TCPs and communities can participate in multiple ways.</td>
</tr>
<tr>
<td>9.</td>
<td>Pauline Douglas (Nlaka’pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>Who is paying for that?</td>
<td>December 2020 Update: City Light followed up with NNTC regarding this matter. CR-04 Inventory of Historic Properties with Traditional Cultural Significance will include TCPs and communities can participate in multiple ways.</td>
</tr>
</tbody>
</table>

Skagit River Hydroelectric Project
FERC No. 553

Attachment A Page 3

Seattle City Light
December 2020
<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.</td>
<td>Pauline Douglas (Nlaka’pamuk Nation)</td>
<td>04/28/2020</td>
<td>General Comment</td>
<td>Is there a list available yet of existing literature obtained during the Synthesis Study? If there are ethnographic docs missing from that we will want them included.</td>
<td>The Synthesis Study is in progress. The draft report will have a references cited section. There is a bibliography with the PAD. December 2020 Update: The ethnographers reached out to the participating communities regarding documents. All documents reviewed will be in the references cited of the report.</td>
</tr>
<tr>
<td>11.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 1.1</td>
<td>The NPS organic act should be here instead of enabling legislation</td>
<td>No change – this is language standard to all study plans.</td>
</tr>
<tr>
<td>12.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 1.1</td>
<td>NPS highlighted language, “jurisdiction over the lands and waters within the Project” and stated, misleading.</td>
<td>This language is standard from the PAD and consistent with the other study plans. No changes. The enabling legislation for the North Cascades Complex, Public Law 90-544 Section 505, states “Nothing in this Act shall be construed to supersede, repeal, modify, or impair the jurisdiction of the Federal Power Commission under the Federal Power Act (41 Stat. 1063), as amended (16 U.S.C. 49 Stat. 863. 79 et seq.), in the recreation areas.” FERC retains jurisdiction of the lands and waters in the Project through the Federal Power Act (16 USC 90d-4).</td>
</tr>
<tr>
<td>13.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.1</td>
<td>Next objective should be to propose additional work to determine eligibility of sites</td>
<td>Added bullet: “Provide recommendations concerning any additional studies that may be needed to evaluate NRHP eligibility of cultural resources identified during the survey.”</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>-----------</td>
<td>--------------------</td>
<td>---------</td>
<td>----------</td>
</tr>
<tr>
<td>14</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/04/2020</td>
<td>Section 2.2.1 City Light</td>
<td>In-text edit: City Light’s goal, with regard to cultural resources for this study, is to gain an understanding of identify NRHP-listed and eligible cultural resources that are in the study area that are, or have potential to be, affected by the Project.</td>
<td>Text revised per suggestion.</td>
</tr>
<tr>
<td>15</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.2.1 City Light</td>
<td>This doc does not guide Skagit O&amp;M folks.</td>
<td>Language deleted.</td>
</tr>
<tr>
<td>16</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.2.1 City Light</td>
<td>So is the goal to have one management plan for all properties in the next license? Also may want to elaborate on how the ARMMP only covers Ross Lake at this point.</td>
<td>Language deleted for consistency with other study plans. The existing management plans are described in other documents. It will be developed over time whether it is feasible to have a single management plan or makes sense to have multiple. But it won't be decided through this study.</td>
</tr>
<tr>
<td>17</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.2.1 City Light</td>
<td>2nd Paragraph – Add: “for the [Name of the Property]”</td>
<td>Language deleted.</td>
</tr>
<tr>
<td>18</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.2.2 National Park Service (NPS)</td>
<td>The Organic Act needs to be added.</td>
<td>Deleted section for consistency with other study plans. Mention of Organic Act added to permit language in Section 2.6 Step 3.</td>
</tr>
<tr>
<td>19</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.2.2 National Park Service (NPS)</td>
<td>This makes it sounds like the arch district is in the study area</td>
<td>Deleted section for consistency with other study plans.</td>
</tr>
<tr>
<td>20</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/04/2020</td>
<td>Section 2.2.2 National Park Service (NPS)</td>
<td>In addition, even closer than DT00212 to the study area are two sites determined eligible to the NR--WH64 and WH477 are prehistoric sites adjacent to and just outside of this project’s western boundary. Geographic proximity and NR eligibility dictate that these historic properties be noted, also.</td>
<td>This section has been deleted from study plan so no in-text edits were made, but the context of the archaeological sites mentioned in the comment to the study area is noted.</td>
</tr>
<tr>
<td>21</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.5 Study Area</td>
<td>Need to make sure this includes the distribution line and the stabilization lines. It is verbally</td>
<td>Footnote added to text that states “City Light is in the process of updating mapping of project</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>-------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>22.</td>
<td>Kim Dicenzo (NPS)</td>
<td>04/13/2020</td>
<td>Section 2.5</td>
<td>Also needs to include any access routes to the transmission lines. Farly certain there are access trails in this area.</td>
<td>Shapefiles have been uploaded to LP SharePoint site. City Light is in the process of confirming. Maps will be updated with any necessary changes.</td>
</tr>
<tr>
<td>23.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.6</td>
<td>This needs to be better defined. Personal comfort levels for safety greatly vary.</td>
<td>Added sentence for clarification that no slopes over 30 degrees will be walked.</td>
</tr>
<tr>
<td>24.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/04/2020</td>
<td>Section 2.6</td>
<td>Steep, bouldery terrain cannot be accessed with parallel transects, so there needs to be acknowledgment that for safety, irregular transects to avoid natural hazards in the survey tract will be necessary.</td>
<td>Section updated to state “Irregular transects may be necessary due to steep, uneven terrain and to avoid natural hazards in the survey area.” More specific survey protocols can be developed in the research design in 2021 when HPAs are identified.</td>
</tr>
<tr>
<td>25.</td>
<td>Pauline Douglas (Nlaka'pamux Nation)</td>
<td>04/28/2020</td>
<td>Section 2.6</td>
<td>20 meter intervals for shovel testing could miss very large and significant targets. We believe that many eligible Historic Properties have a shootings</td>
<td>Addition to language in section 2.6 to include option of having tighter shovel probe transect intervals.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>26.</td>
<td>Pauline Douglas (Nlaka'pamux Nation)</td>
<td>04/28/2020</td>
<td>Section 2.6 Methodology</td>
<td>footprint that is smaller than 20 meters across so we recommend every 10 m for high and moderate probability areas and at the discretion of the PI they should need to do more holes on a specific landform.</td>
<td>More specific survey protocols will be developed in the research design in 2021 when HPAs are identified.</td>
</tr>
<tr>
<td>27.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/04/2020</td>
<td>Section 2.6 Methodology</td>
<td>preference for the artifacts found in shovel tests – if you want them left in their holes you must say now or NPS will collect them all. If you want a detailed archaeological work plan now that calls out curation plans then say that now. Leaving artifacts on the surface where they are actually at risk of being taken is a problem we have experienced at Ross Lake. Tools should be collected and curated as well as any unique artifact fragments. However Flakes and such could be re deposited back inside the shovel test. In the perfect world they would be put back in the hole at the level they were found at for future research. Collecting low value crumbs today will not help anybody but if one were to relocate the site 100 years from now (in a High Ross Lake scenario) then small flakes could be invaluable. Collecting from shovel tests should entail collecting and map surface too. Strategy should be identified in the Archaeological Work Plan. Full recording of all artifacts depths located, sediments descriptions, photos, extensive site/artifact photos, maps etc</td>
<td>Collection will follow requirements in the ARPA permit. Section updated per NPS/ARPA permit. All recordation will follow industry standards. Specificity will be included in the research design developed in 2021. Specificity regarding archaeological expectations will stem from prior work and literature background. These will be included in the research design developed in 2021.</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>-------------------------------------</td>
<td>------------</td>
<td>--------------------</td>
<td>-------------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>28.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.6 Methodology</td>
<td>I think that we should identify some of the high probability landforms in the research design or give more direction to the PI on what we want to be subsurface surveyed</td>
<td>Revised to state shovel probes will be placed in HPAs and in areas that contain intact sediments identified during survey. Note: The HPAs will be identified during the earlier steps in this study and are not included here.</td>
</tr>
<tr>
<td>29.</td>
<td>Bob Mierendorf (Upper Skagit Indian Tribe)</td>
<td>05/04/2020</td>
<td>Section 2.6 Methodology</td>
<td>Kim has identified a crucial point here for a successful methodology. There has certainly been enough survey elsewhere in the North Cascades to specify HPAs. This should be able to identify some high probability landforms.</td>
<td>Specificity which includes development of HPAs based on prior work will be included in the research design developed in 2021.</td>
</tr>
<tr>
<td>30.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.6 Methodology</td>
<td>Lets figure this out quick. I don’t like not collecting artifacts that are disturbed from subsurface.</td>
<td>Revised to include no collection of surface artifacts unless at risk; collection of all precontact and diagnostic historic artifacts from shovel probes; and no collection of undiagnostic historic artifacts.</td>
</tr>
<tr>
<td>31.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.6 Methodology</td>
<td>What happens when an arch site is linear and goes out of the project area? How much of the site will be recorded?</td>
<td>No changes to text. Recordation will stop at the survey area boundary.</td>
</tr>
<tr>
<td>32.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.6 Methodology</td>
<td>I think this should be in the archeology section, too.</td>
<td>Added to archaeology section per comment.</td>
</tr>
<tr>
<td>33.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.6 Methodology</td>
<td>Add historic district’s name. Also is there a potential that a historic structure might be eligible on its own and not as part of the historic district?</td>
<td>Added district name. Yes, structure may be eligible on its own. No text changes.</td>
</tr>
<tr>
<td>34.</td>
<td>Kim Dicenzo (NPS)</td>
<td>03/19/2020</td>
<td>Section 2.6 Methodology</td>
<td>Is Ladder Creek falls identified as a cultural landscape or is it contributing to the historic district? There should a a cultural landscape</td>
<td>It is contributing to the district (Resource #30).</td>
</tr>
</tbody>
</table>
No. | Commenting Individual (Organization) | Date | Study Plan Section | Comment | Response |
--- | --- | --- | --- | --- | --- |
35. | Kim Dicenzo (NPS) | 03/19/2020 | Section 2.6 Methodology | This should probably list the items in the HPI form in WISAARD | Added a couple additional items from HPI form. |
36. | Kim Dicenzo (NPS) | 03/19/2020 | Section 2.6 Methodology | 3rd Paragraph – Add: “integrity” | Added per comment |
37. | Bob Mierendorf (Upper Skagit Indian Tribe) | 05/04/2020 | Section 2.6 Methodology | This doesn’t sound right: an unevaluated site remains “potentially eligible”, as per NR policy, like any other unevaluated site. This should be saying that if project effects will occur to an unevaluated resource, then the significance evaluation will be completed.?? | Statement clarified to read: “If Project effects will occur on an unevaluated resource, recommendations for NRHP-evaluation or avoidance would be provided.” |
38. | Kim Dicenzo (NPS) | 03/19/2020 | Section 2.6 Methodology | Is the goal to get the resources listed or just a consensus DOE? | Just DOE to start. |
39. | Kim Dicenzo (NPS) | 03/19/2020 | Section 2.6 Methodology | If not feasible, a proposal to evaluate should be included in report | Sentence added to end of paragraph adding that if not feasible, recommendations to do so will be included in report. |
40. | Bob Mierendorf (Upper Skagit Indian Tribe) | 05/04/2020 | Section 2.6 Methodology | Unless I missed it somewhere, it seems there’s a need for a clear block of time in this plan for LPs to review and comment on the draft findings and recommendations. | Review timelines will be included in the research design developed in 2021. |
41. | Pauline Douglas (Nlaka'pamux Nation) | 04/28/2020 | Section 2.9 Level of Effort and Cost | the budget of 170,000 for this project rather confirms our concern that that there will not be an attempt to document more than buildings and archaeology sites. It doesn’t seem to be enough money to complete this study if they plan to try and identify all possible cultural properties, with appropriate ground investigators, during this pass. | City Light is following up with the Nlaka'pamux Nation. This study is meant to only cover archaeological and historic resources. Potential future TCP study can be developed as data gaps are identified during the Synthesis Study (CR-01). |
CR-04 INVENTORY OF HISTORIC PROPERTIES WITH TRADITIONAL CULTURAL SIGNIFICANCE
PROPOSED STUDY PLAN

SKAGIT RIVER HYDROELECTRIC PROJECT
FERC NO. 553

Seattle City Light

December 2020
PSP
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>Introduction</td>
<td>1-1</td>
</tr>
<tr>
<td>1.1</td>
<td>General Description of the Project</td>
<td>1-1</td>
</tr>
<tr>
<td>1.2</td>
<td>Relicensing Process</td>
<td>1-1</td>
</tr>
<tr>
<td>1.3</td>
<td>Study Plan Development</td>
<td>1-2</td>
</tr>
<tr>
<td>2.0</td>
<td>Study Plan Elements</td>
<td>2-1</td>
</tr>
<tr>
<td>2.1</td>
<td>Study Goals and Objectives</td>
<td>2-1</td>
</tr>
<tr>
<td>2.2</td>
<td>Resource Management Goals</td>
<td>2-1</td>
</tr>
<tr>
<td>2.3</td>
<td>Background and Existing Information</td>
<td>2-2</td>
</tr>
<tr>
<td>2.4</td>
<td>Project Operations and Effects on Resources</td>
<td>2-2</td>
</tr>
<tr>
<td>2.5</td>
<td>Study Area</td>
<td>2-3</td>
</tr>
<tr>
<td>2.6</td>
<td>Methodology</td>
<td>2-5</td>
</tr>
<tr>
<td>2.6.1</td>
<td>General Approach and Protocols</td>
<td>2-5</td>
</tr>
<tr>
<td>2.6.2</td>
<td>Specific Study Implementation Activities</td>
<td>2-6</td>
</tr>
<tr>
<td>2.7</td>
<td>Consistency with Generally Accepted Scientific Practice</td>
<td>2-8</td>
</tr>
<tr>
<td>2.8</td>
<td>Schedule</td>
<td>2-9</td>
</tr>
<tr>
<td>2.9</td>
<td>Level of Effort and Cost</td>
<td>2-9</td>
</tr>
<tr>
<td>3.0</td>
<td>References</td>
<td>3-1</td>
</tr>
</tbody>
</table>

## List of Figures

<table>
<thead>
<tr>
<th>Figure No.</th>
<th>Description</th>
<th>Page No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Figure 2.5-1</td>
<td>Location map of the Skagit River Hydroelectric Project APE.</td>
<td>2-4</td>
</tr>
</tbody>
</table>

## List of Attachments

| Attachment A | City Light Responses to LP Comments on the Study Plan |
List of Acronyms and Abbreviations

AAA ....................... American Anthropological Association
AAG ....................... Association of American Geographers
ACHP ...................... Advisory Council of Historic Preservation
APE ........................ area of potential effects
ARMMP ..................... (Skagit) Archaeological Resources Mitigation and Management Plan
ARPA ....................... Archaeological Resources Protection Act
BIA .......................... Bureau of Indian Affairs
CFR .......................... Code of Federal Regulations
CR ............................ cultural resource
CRWG ....................... Cultural Resource Work Group
DAHP ....................... Department of Archaeology and Historic Preservation
ELC .......................... Environmental Learning Center
FERC ......................... Federal Energy Regulatory Commission
FOIA ........................ Freedom of Information Act
HPMP ........................ Historic Properties Management Plan
HRMMP ...................... (Skagit) Historic Resources Mitigation and Management Plan
ISR ............................. Initial Study Report
LP ............................ licensing participant
NAGPRA .................... Native American Graves Protection and Repatriation Act
NHPA ........................ National Historic Preservation Act
NNTC ....................... Nlaka’pamux Nation Tribal Council
NPS .......................... National Park Service
NRB .......................... National Register Bulletin
NRHP ........................ National Register of Historic Properties
O&M .......................... operations and maintenance
PA ............................ Programmatic Agreement
PAD .......................... Pre-Application Document
Project ..................... Skagit River Hydroelectric Project
PSP ............................ Proposed Study Plan
PTRCI ........................ Properties of Traditional Religious and Cultural Importance
RCW .......................... Revised Code of Washington
Properties with Traditional Cultural Significance Proposed Study Plan
List of Acronyms and Abbreviations

RLNRA ......................Ross Lake National Recreation Area
RM .........................river mile
RWG .......................Resource Work Group
SHPO .....................State Historic Preservation Officer
SITC .....................Swinomish Indian Tribal Community
SSIT .....................Sauk-Suiattle Indian Tribe
STI ........................Stillaguamish Tribe of Indians
TCL ........................traditional cultural landscape
TCP ........................traditional cultural property
THPO .....................Tribal Historic Preservation Officer
USFS .......................U.S. Forest Service
USR .......................Updated Study Report
This page intentionally left blank.
1.0 INTRODUCTION

1.1 General Description of the Project

The Skagit River Hydroelectric Project (Project), licensed to The City of Seattle, Washington, and operated through its publicly-owned electric power utility Seattle City Light (City Light), is located in northern Washington State and consists of three power generating developments on the Skagit River – Ross, Diablo, and Gorge – and associated lands and facilities. The Project generating facilities are in the Cascade Mountains of the upper Skagit River watershed, between river miles (RM) 94 and 127. Power from the Project is transmitted via two 230-kilovolt powerlines that span over 100 miles and end just north of Seattle at the Bothell Substation. The Project also includes two City Light-owned towns, an Environmental Learning Center (ELC), several recreation facilities, and several parcels of fish and wildlife mitigation lands.

Project generating facilities are all located in Whatcom County, although Ross Lake, the most upstream reservoir, crosses the U.S.-Canada border and extends for about one mile into British Columbia at normal maximum water surface elevation. Gorge Powerhouse, the most downstream facility, is approximately 120 miles northeast of Seattle and 60 miles east of Sedro-Woolley, the nearest large town. The closest town is Newhalem, which is part of the Project and just downstream of Gorge Powerhouse. The primary transmission lines cross Whatcom, Skagit, and Snohomish counties; the fish and wildlife mitigation lands are in the same counties.

The Project Boundary is extensive, spanning over 133 miles from the Canadian border to the Bothell Substation just north of Seattle, Washington. In addition, there are “islands” of fish and wildlife mitigation lands and recreation facilities within the Skagit, Sauk, and South Fork Nooksack watersheds that are also within the Project Boundary. Project generating facilities are entirely within the Ross Lake National Recreation Area (RLNRA), which is administered by the National Park Service (NPS) as part of the North Cascades National Park Complex. The RLNRA was established in 1968 in the enabling legislation for North Cascades National Park to provide for the “public outdoor recreation use and enjoyment of portions of the Skagit River and Ross, Diablo, and Gorge lakes.” The legislation maintains the Federal Energy Regulatory Commission’s (FERC) jurisdiction “in the lands and waters within the Skagit River Hydroelectric Project,” as well as hydrologic monitoring stations necessary for the proper operation of the Project (16 United States Code [U.S.C.] § 90d-4; Public Law 90-544. Sec. 505 dated October 2, 1968, as amended by Public Law 100-668. Sec. 202 dated November 16, 1988).

1.2 Relicensing Process

The current FERC license for the Project expires on April 30, 2025, and City Light will apply for a new license no later than April 30, 2023. City Light formally initiated the relicensing process by filing a Notice of Intent and Pre-Application Document (PAD) with FERC on April 27, 2020 (City Light 2020). The PAD includes descriptions of the Project facilities, operations, license requirements, and Project lands as well as a summary of the extensive existing information available on Project area resources and early consultation on potential resource issues to be addressed during the relicensing.
In 2019-2020, City Light convened a series of Resource Work Groups (RWG) to engage agencies and other licensing participants (LP) in the Study Plan Development Process. This study plan reflects RWG discussion and study requests and comments submitted by LPs.

1.3 Study Plan Development

Relicensing of the Project by FERC is considered a federal undertaking under Section 106 of the National Historic Preservation Act (NHPA), as amended, and its implementing regulations (36 Code of Federal Regulations [CFR] § 800). Section 106 establishes a process for federal agencies to identify and take into account the effects of their undertakings on historic properties, as defined below:

Historic property means any prehistoric or historic district, site, building, structure, or object included in, or eligible for inclusion in, the National Register of Historic Places (NRHP) maintained by the Secretary of the Interior. This term includes artifacts, records, and remains that are related to and located within such properties. The term includes properties of traditional religious and cultural importance to an Indian tribe or Native Hawaiian organization [PTRCI] and that meet the National Register criteria [36 CFR § 800.16(l)(1)].

City Light’s continued operations and maintenance (O&M) of the Project under a new FERC license may affect historic properties. Therefore, City Light is proposing four studies to assist FERC with its Section 106 compliance requirements. These studies consist of:

1. CR [cultural resource]-01 Cultural Resources Data Synthesis
2. CR-02 Cultural Resources Survey
3. CR-03 Gorge Bypass Reach Cultural Resources Survey
4. CR-04 Inventory of Historic Properties with Traditional Cultural Significance Study

On October 23, 2020, City Light released the Inventory of Historic Properties with Traditional Cultural Significance (Properties of Traditional Cultural Significance) Study Plan for LP review and comment. On November 16, 2020, the draft study plan was discussed at a Cultural Resources Work Group (CRWG) meeting. City Light reviewed and responded to all comments in an attachment to this study plan.

City Light is filing this study plan with FERC as part of its Proposed Study Plan (PSP), incorporating additional consultation prior to the filing date. The following study requests pertaining to cultural resources covered under Properties of Traditional Cultural Significance were submitted: NNTC-01 Completion of Traditional Cultural Property Survey, NNTC-02 Evaluation of Identified Sites, NNTC-04 Traditional Cultural Properties Mitigation and Management Study, SITC-03 Cultural Resources Study, SSIT-04 Cultural Resources Transmission Line Study, SSIT-05 Cultural Resources Battle Site Study, and STI-01 Comprehensive Ethnographic Study. Several parties also noted interests related to this study plan in outreach meetings associated with implementation of the Cultural Resources Data Synthesis. This study plan, with modifications, addresses some of the elements identified in the study requests listed above, as explained in Section 6 of the PSP. Those elements of the study requests that were not adopted are primarily not adopted.
because they include studying areas and/or resources that fall outside the area of potential effects (APE). The modifications made to the study plan in response to study requests includes modifying the field schedule to allow for field survey during drawdown in the Project reservoirs, including pedestrian survey as a study method, and clarifying the language regarding the hiring of multiple ethnographers to implement the study. City Light believes its study plan methods are sufficient to meet the study objectives and information needs.

This study plan outlines the methods and procedures that will be used to implement the Properties of Traditional Cultural Significance Study. This proposed study is designed to serve as partial fulfillment of Section 106 requirements and is intended to identify historic properties with traditional cultural significance within the APE, and preliminarily assess potential Project-related adverse effects on them, if any (described below).

Historic properties with traditional cultural significance may be called PTRCI or referred to as traditional cultural properties (TCP). The former term is outlined in a 1992 amendment to the NHPA regulations (36 CFR § 800.16(l)(1)) as explicit legal notice of their potential NRHP eligibility, and the latter term was coined and defined in National Register Bulletin 38, National Register Guidelines for Evaluating and Documenting Traditional Cultural Properties (NRB 38; Parker and King 1998), which is widely utilized as guidance in the identification, evaluation, and consideration of effects of federal decisions on historic properties with traditional cultural significance.

NRB 38 (Parker and King 1998:1) explains:

One kind of cultural significance a property may possess, and that may make it eligible for inclusion in the [National] Register, is traditional cultural significance. “Traditional” in this context refers to those beliefs, customs, and practices of a living community of people that have been passed down through the generations, usually orally, through practice, or both. The traditional cultural significance of a historic property, then, is significance derived from the role the property plays in a community's historically rooted beliefs, customs, and practices. Examples of properties possessing such significance include:

- a location associated with the traditional beliefs of a Native American group about its origins, its cultural history, or the nature of the world;
- a rural community whose organization, buildings and structures, or patterns of land use reflect the cultural traditions valued by its long-term residents;
- an urban neighborhood that is the traditional home of a particular cultural group, and that reflects its beliefs and practices;
- a location where Native American religious practitioners have historically gone, and are known or thought to go today, to perform ceremonial activities in accordance with traditional cultural rules of practice; and
a location where a community has traditionally carried out economic, artistic, or other cultural practices important in maintaining its historic identity.

A traditional cultural property, then, can be defined generally as one that is eligible for inclusion in the National Register because of its association with cultural practices or beliefs of a living community that (a) are rooted in that community's history, and (b) are important in maintaining the continuing cultural identity of the community.

NRB 38 thus emphasizes that fundamental to the identification and NRHP eligibility evaluation of historic properties with traditional cultural significance is an understanding that such properties require an accounting for and appreciation of the intangible (i.e., emotional, spiritual, historical, perspectival) qualities that make them culturally significant. “It is vital to evaluate properties thought to have traditional cultural significance from the standpoint of those who may ascribe such significance to them, whatever one’s own perception of them, based on one’s own cultural values, may be” (Parker and King 1998:4). As further stated in Bulletin 38:

The National Register lists, and [Section] 106 requires review of effects on, tangible cultural resources—that is, historic properties. However, the attributes that give such properties significance, such as their association with historical events, often are intangible in nature. Such attributes cannot be ignored in evaluating and managing historic properties; properties and their intangible attributes of significance must be considered together [Parker and King 1998:3].

Historic properties are tangible prehistoric or historic districts, sites, buildings, structures, or objects included in, or eligible for inclusion in, the NRHP. When such a property has traditional cultural significance, it is classified as a PTRCI and/or TCP. Historic properties with traditional cultural significance may also include “traditional cultural landscapes” (TCL). TCLs have not been formally defined by federal regulation. TCLs “are identified in the same manner in the Section 106 process as other types of historic properties of religious and cultural significance to Indian tribes or Native Hawaiian organizations” (Advisory Council of Historic Preservation [ACHP] 2012). ACHP (2012:4) guidance on TCLs states that “[t]here is no single defining feature or set of features that comprise” these areas of interrelated significance. Rather:

Such places could be comprised of natural features such as mountains, caves, plateaus, and outcroppings; water courses and bodies such as rivers, streams, lakes, bays, and inlets; views and view sheds from them, including the overlook or similar locations; vegetation that contributes to its significance; and, manmade features including archaeological sites; buildings and structures; circulation features such as trails; land use patterns; evidence of cultural traditions, such as petroglyphs and evidence of burial practices; and markers or monuments, such as cairns, sleeping circles, and geoglyphs [ACHP 2012:4].

The ACHP further stresses “that the size of such properties or the potential challenges in the management of them should not be considerations in the evaluation of their significance” (ACHP 2012:2). This study plan is designed to account for historic properties that may have TCL status and significance within the APE, including how tangible contributing elements may interconnect.
and interrelate to convey the ongoing traditional religious and cultural importance of such historic properties.

The results of the Properties with Traditional Cultural Significance Study are expected to include confidential, culturally sensitive, and/or privileged information that is exempt from public release. City Light will protect the confidential and privileged information from public view, in consultation with each Indian tribe, First Nation, and other Section 106 consulting parties.

State and federal laws exempt certain types of cultural resources information from public disclosure (e.g., 54 U.S.C. Section 307103(a) of the NHPA, Section 9(a) of the Archaeological Resources Protection Act (ARPA), exclusions permitted by the Freedom of Information Act (FOIA), the Native American Graves Protection and Repatriation Act (NAGPRA), and Revised Code of Washington (RCW) 42.56.300).
2.0 STUDY PLAN ELEMENTS

2.1 Study Goals and Objectives
The primary goals of this Properties with Traditional Cultural Significance Study are to ensure historic properties with traditional cultural significance to Indian tribes and First Nations are identified and assessed for potential adverse effects on them from this Project. The objective of this Study is to assist FERC in meeting its compliance requirements under Section 106 of the NHPA. These efforts will be conducted in consultation with Section 106 consulting parties, as required pursuant to 36 CFR § 800. Pursuant to 36 CFR § 800.4(c)(2), State Historic Preservation Officer (SHPO) and/or Tribal Historic Preservation Officer (THPO) concurrence, as applicable, on NRHP eligibility determinations will also be sought.

2.2 Resource Management Goals
City Light’s goal, with regard to historic properties for this Properties with Traditional Cultural Significance Study, is to identify historic properties or potential historic properties of traditional cultural significance within the APE, and to assess whether continued Project O&M under the new FERC license, when issued, will affect or has the potential to affect any such resources. City Light plans to incorporate the findings from this study, along with other studies being completed for the relicensing, into a Historic Properties Management Plan (HPMP) for the Project. Because it is not possible to determine all of the adverse effects of various Project activities that may occur over the course of a license, City Light plans to develop the HPMP in consultation with the Section 106 participating parties that will be used to manage historic properties and unevaluated resources within the APE.1 FERC typically completes the Section 106 process for relicensing projects by entering into a Programmatic Agreement (PA) with the SHPO and other parties, as appropriate2 and the ACHP, if they choose to participate. As part of these agreements, FERC requires the licensee to develop and implement a HPMP.

Under the current Project license, City Light manages historic properties under two resource management plans that outline actions and processes to manage the historic properties within the Project Boundary: Skagit Historic Resources Mitigation and Management Plan (HRMMP; City of Seattle 1991) and Skagit Archaeological Resources Mitigation and Management Plan (ARMMP; Schalk et al. 2013). The Skagit HRMMP serves as a guide for City Light’s operating personnel when performing necessary O&M activities, as well as identifying resource treatments designed to address potential ongoing and future effects to historic properties and contributing elements associated with the Skagit River and Newhalem Creek Hydroelectric Projects historic district (DT00066). The Skagit ARMMMP serves as a guide for continued management of historic properties and mitigation for projects within the Upper Skagit River Valley Archaeological District (DT0212). City Light anticipates that both of these plans will be updated and integrated into the

---

1 On June 26, 2020, FERC issued a Notice of Intent to File License Application for a New License and Commencing Pre-filing Process within which FERC designated City Light as its non-federal representative for carrying out informal consultation pursuant to Section 106 (FERC Filing Accession no. 20200626-3024).
2 While some entities may be parties to FERC’s PA, other Section 106 consulting entities may be invited to sign the PA as concurring parties, not signatories.
HPMP for the new license and that the HPMP for the new license will provide for the management of Project effects on historic properties identified through this and other studies, as appropriate.

2.3 Background and Existing Information

Background and existing information on historic properties with traditional cultural significance was provided in Section 4.10.5 of the PAD (City Light 2020). Based on this information, some previous identification efforts for these historic properties have occurred within the APE, but these investigations are ongoing. City Light is currently implementing a study to further develop background and existing information on cultural resources, including some that convey traditional cultural significance: Cultural Resources Data Synthesis. Implementation of the Cultural Resources Data Synthesis also included outreach to Indian tribes and First Nations. At this time, City Light has conducted outreach to the following potentially interested parties for the relicensing effort (in alphabetical order): Bureau of Indian Affairs (BIA), Confederated Tribes of the Colville Reservation, FERC, Lummi Nation, Muckleshoot Indian Tribe, Nlaka’pamux Nation, Nooksack Indian Tribe, NPS, Samish Indian Nation, Sauk-Suiattle Indian Tribe, SHPO, Snohomish County, Snoqualmie Indian Tribe, Stillaguamish Tribe of Indians, Stó:lō First Nation, Suquamish Tribe, Swinomish Indian Tribal Community, Tulalip Tribes of Washington, Upper Skagit Indian Tribe, and U.S. Forest Service (USFS).

Background and existing information gathered from the Cultural Resources Data Synthesis will be referenced and incorporated, as appropriate, into this study.

2.4 Project Operations and Effects on Resources

Potential effects that may be associated with this undertaking include any Project-related effects associated with the day-to-day operation and maintenance of the Project and any new activity proposed under the new license. Types of effects may include direct (i.e., the result of Project activities at the same time and place with no intervening cause), indirect (i.e., the result of Project activities later in time or further removed in distance but reasonably foreseeable), and/or cumulative (e.g., caused by a Project activity in combination with other non-Project past, present, and foreseeable future activities) (ACHP 2019).

Section 106 of the NHPA requires federal agencies to consider direct, indirect, and cumulative adverse effects of their undertakings on historic properties. In this case, the undertaking is FERC’s issuance of a new license for the Project. 36 CFR § 800.5(a)(1) states that:

An adverse effect is found when an undertaking may alter, directly or indirectly, any of the characteristics of a historic property that qualify the property for inclusion in the National Register in a manner that would diminish the integrity of the property’s location, design, setting, materials, workmanship, feeling, or association. Consideration shall be given to all qualifying characteristics of a historic property, including those that may have been identified subsequent to the original evaluation of the property’s eligibility for the National Register. Adverse effects may include reasonably foreseeable effects caused by the undertaking that may occur later in time, be farther removed in distance or be cumulative.
2.5 Study Area

The study area for this Properties with Traditional Cultural Significance Study will be the APE. Under 36 CFR § 800.16(d), the APE is defined as “the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist.” Based on this regulatory definition, City Light proposes to define the APE for the suite of cultural resources studies proposed for the relicensing of the Project, consistent with FERC’s standard definition applied at other hydropower projects across the U.S.:

The APE for this undertaking includes all lands within the FERC-approved Project Boundary. The APE also includes lands or properties outside the Project Boundary where Project operations or Project-related recreation activities or other enhancements may cause changes in the character or use of historic properties, if any such properties exist.

While the APE encompasses all areas within the Project Boundary, some areas within the APE (e.g., the High Ross Inundation Zone) are not expected to be affected by the Project. Therefore, City Light does not anticipate proposing study work in these areas except where effects in specific areas can be clearly demonstrated to be project-related, if any. As FERC’s non-federal representative for carrying out informal Section 106 consultation, City Light is working with Section 106 consulting parties on the delineation of the APE. The APE is shown in Figure 2.5-1. City Light will submit the APE to the Washington State Department of Archaeology and Historic Preservation (DAHP) for review and concurrence in accordance with 36 CFR § 800.4(a)(1). City Light anticipates submitting the APE to DAHP prior to filing the RSP. During study implementation, it is possible that the relicensing process may identify Project-related activities outside of the APE that have the potential to affect historic properties, including those with traditional cultural significance. It is also possible that during relicensing, Project improvements may be proposed that are outside the original APE (e.g., recreation area improvements or modifications). If such areas are identified, the APE will be expanded to include these areas.

3 A larger scale mapbook of the APE is provided in an attachment to the Cultural Resources Survey Study Plan.
Figure 2.5-1. Location map of the Skagit River Hydroelectric Project APE.
2.6 Methodology

2.6.1 General Approach and Protocols

General protocols for implementing this Properties with Traditional Cultural Significance Study include:


(2) Confidential information collected and managed under this study will be returned to appropriate participating Indian tribes and/or First Nations communities. It is necessary for limited individuals at City Light and the FERC to have access to some confidential information through the study reports in order to identify historic properties within the APE and to evaluate potential project effects on them. However, City Light and their consultants will not own, have access to, or retain copies of any ethnographic source records deemed confidential without written permission from the Indian tribe and/or First Nation community they were collected from. Further, filings to the FERC deemed confidential will be agreed upon in advance by the study participants so they can be clearly identified as “privileged” and filed with FERC as confidential, non-public information.

(3) Indian tribes and/or First Nation communities will be provided the opportunity to review their own information as drafted for inclusion in this study report (as described further below) prior to distribution of this study report to City Light and the Section 106 consulting parties. The purpose of this review is not only to consider the accuracy of how the information provided has been interpreted and presented, but also to consider the confidentiality of the information and how the information is disseminated. See the section below on reporting for more information.

(4) Each Indian tribe and/or First Nation community will be engaged separately for participation in this study and the information from each will only be edited by, or at the direction of, the Indian tribe and/or First Nation community from which it was provided.

As described above, City Light’s goal for this study is to identify historic properties with traditional cultural significance located within the APE, which includes those properties that are intersecting, encompassing, and/or otherwise associated with the APE, and to assess whether continued Project O&M is adversely affecting, or has the potential to adversely affect any such resources under the new FERC license when issued. In compliance with 36 CFR § 800.4(c)(1), City Light acknowledges “that Indian tribes and Native Hawaiian organizations possess special expertise in assessing the eligibility of historic properties that may possess religious and cultural significance to them.” As stated in NRB 38 (Parker and King 1998:6), “any effort to identify historic properties is to consult with groups and individuals who have special knowledge about and interests in the
history and culture of the area to be studied. In the case of traditional cultural properties, this means those individuals and groups who may ascribe traditional cultural significance to locations within the study area, and those who may have knowledge of such individuals and groups.”

Accordingly, City Light’s approach to this study is to consult and engage with Indian tribes and First Nations and work with each group that wants to participate in this study to develop the detailed approaches, methods, and sensitivities required by each individual group in order to respect Indian tribal and First Nation knowledge sovereignty, honor the requirements of 36 CFR § 800.4(c)(1), apply the guidance of NRB 38 (Parker and King 1998), and accomplish the goals and objectives of this study in good faith, as outlined above. City Light anticipates that participating Indian tribes and First Nations may already have completed similar studies they wish City Light to incorporate into this study and/or will chose to conduct their own investigations to identify historic properties with traditional cultural significance. As such, City Light foresees this study as incorporating such information provided by participating Indian tribes and First Nations in formats deemed appropriate by each community. The specific study implementation activities identified below take into account this approach.

2.6.2 Specific Study Implementation Activities

**Step 1: Selection of Ethnographers.** Select and hire professionals who, at a minimum, meet the ethnography qualifications outlined in NRB 38, *Guidelines for Evaluating and Documenting Traditional Cultural Properties* (Parker and King 1998) (herein after referred to as “ethnographer”). The selected ethnographers will implement this Properties with Traditional Cultural Significance Study. This step will include soliciting input from Indian tribes and First Nation communities on who they recommend for this role. The final selection and hiring will be determined by City Light.

**Step 2: Tribal/First Nations Outreach.** The ethnographers will conduct outreach with individual Indian tribes and First Nation communities. This outreach will serve to identify: (1) which Indian tribe and First Nation would like to participate in this Properties with Traditional Cultural Significance Study; (2) how each community would like to participate, including appropriate Indian tribal and First Nation protocols for research, community engagement, and collaboration; (3) what forms of ethnographic research each community deems necessary for a good faith and meaningful Study; (4) processes to develop appropriate confidentiality agreements/protocols with individual communities; (5) outline information sharing protocols, including how data and information will be collected (e.g., by the participating group, by ethnographers hired by City Light, or other), transferred to the ethnographers, and used in this study; and (6) establish iterative review protocols for draft and final reports and how reports/information will be disseminated.

The ethnographers will develop a research design in coordination with the participating Indian tribes and First Nations that summarizes the outcome of 1-6 above. Additionally, the research design will include the methods for site visits and pedestrian surveys, if necessary, which will be developed by the ethnographers in coordination with each participating Indian tribe and First Nation community. The draft research design will be reviewed by the Section 106 consulting parties and the final research design will be filed with FERC.

**Step 3: Ethnohistoric and Ethnographic Data and Information Gathering.** The ethnographers will work with the individual Indian tribes and First Nation communities participating in this study.
to gather data and information they want to share and in the way they want to share it as identified in Step 2. This step may include the following types of activities, depending how each Indian tribe and First Nation community wants to participate:

- Background research from available archival materials and published ethnohistoric, ethnographic, environmental references, and data from the Cultural Resources Data Synthesis;
- Review and collection of previous study efforts conducted by participating communities that was not previously accessed during the implementation of the Cultural Resources Data Synthesis;
- Ethnographic interviews;
- Site visits with representatives from participating Indian tribes and First Nation communities in areas of the APE that are experiencing Project effects or reasonably foreseeable Project effects; and
- Pedestrian field surveys in areas of the APE that are experiencing Project effects or reasonably foreseeable Project effects.

**Step 4: Historic Properties with Traditional Cultural Significance Documentation and NRHP Evaluation.** The ethnographers will assist individual Indian tribes and First Nation communities by:

- Working with them to identify potential properties with traditional cultural or religious significance within in areas of the APE that are experiencing Project effects or reasonably foreseeable Project effects;
- Considering and reviewing previous NRHP eligibility evaluations conducted by others to determine if additional evaluation efforts are needed;
- Reviewing gathered data and information, conducting additional site visits and pedestrian survey, if necessary, and identifying and documenting, as appropriate, historic properties with traditional cultural significance in areas of the APE that are experiencing Project effects or reasonably foreseeable Project effects;
- Applying the NRHP Criteria for Evaluation outlined at 36 CFR § 60.4 to evaluate the significance of identified properties for inclusion in the NRHP in areas of the APE that are experiencing Project effects or reasonably foreseeable Project effects;
- Evaluating the integrity of each significant property following the National Register Bulletin (NRB) 15 and 38; and
- Documenting these evaluations in the study reports (Step 6 below).

The integrity of properties that meet the significance requirements under one or more of the NRHP Criteria of Evaluation will be assessed pursuant to 36 CFR § 60.4, with attention to the guidance of NRB 38 for historic properties with traditional cultural significance, to confirm integrity exists for significance (Parker and King 1998) and NRB 15 on how to apply the National Register criteria for evaluation (Andrus 1995). While the seven aspects of integrity outlined in NRB 15 consist of location, design, setting, materials, workmanship, feeling, and association, NRB 38 explains “the integrity of a possible traditional cultural property must be considered with reference to the views...
of traditional practitioners; if its integrity has not been lost in their eyes, it probably has sufficient integrity to justify further evaluation” (Parker and King 1998:12). It is possible that some identified properties may not have enough available information to complete NRHP eligibility evaluations, and/or be contributing elements to historic properties of traditional cultural significance where there is not enough available information to complete NRHP eligibility evaluations. These properties will remain unevaluated regarding their eligibility for inclusion in the NRHP. Such unevaluated resources within the APE may be evaluated at a later date if they are affected by the Project (see Step 5), and an approach for additional inventory/evaluation will be outlined in the HPMP if feasible, appropriate, and/or necessary.

**Step 5: Consider Project-Related Adverse Effects on Historic Properties with Traditional Cultural Significance.** The ethnographers will work with individual Indian tribes and First Nations and follow 36 CFR § 800.5, and NPS and ACHP guidance to preliminarily identify Project-related direct, indirect, and/or cumulative effects or potential future effects to historic properties with traditional cultural significance, as identified and documented during Steps 1-4. The ethnographers will document any treatment measures that are recommended by individual Indian tribes and First Nation communities for these properties, which will be considered by City Light in consultation with the individual communities for possible incorporation into the HPMP. These evaluations will be documented in the study report (see Step 6).

**Step 6: Reporting.** The ethnographers will draft one or more reports documenting the activities and the results of the activities conducted under Steps 1-5, along with the subsequent conclusions of this study. The conclusions of the study will summarize what historic properties with traditional cultural significance have been identified through the course of the study within the APE, with focused attention to confidentiality and cultural sensitivity. Additionally, any potential historic properties identified and not yet evaluated for the NRHP also will be summarized. As specified in Step 5, the conclusions will preliminarily identify Project-related direct, indirect, and/or cumulative adverse effects and potential future adverse effects to such properties, and any potential treatment identified by individual Indian tribe and First Nation communities. The review and dissemination of this information, as outlined during Step 2, will be followed and reviewed during this step. It is expected that the report(s) will include multiple components with varying protocols for access and availability to Section 106 consulting parties, which will be established in Step 2. However, it is expected that a report summarizing efforts and conclusions of this study will be provided to participating Indian tribes and First Nations, City Light, FERC, and other agencies for review and comment, and subsequent submission to SHPO and/or THPO, as appropriate, for review and concurrence on any assessments of NRHP eligibility and Project effects. The summary report will then be filed with FERC in its privileged (i.e., confidential) files.

A non-confidential summary of the report findings will also be included in the Draft License Application and the Final License Application, which will be made available to the public and will be filed with FERC.

**2.7 Consistency with Generally Accepted Scientific Practice**

The Study methods included herein are consistent with historic property identification efforts pursuant to 36 CFR § 800.4, NRHP evaluation efforts pursuant to 36 CFR § 60.4, NRB 15, How to Apply the National Register Criteria for Evaluation (Andrus 1995), NRB 38, Guidelines for...
Evaluating and Documenting Traditional Cultural Properties (Parker and King 1998), and DAHP guidelines (DAHP 2020).

2.8 Schedule

Implementation of this Properties with Traditional Cultural Significance Study includes the six steps detailed in Section 2.6 above: (1) selection of ethnographers; (2) Tribal/First Nations outreach; (3) ethnohistoric and ethnographic data and information gathering; (4) historic properties with traditional cultural significance documentation and NRHP evaluation; (5) consider Project-related adverse effects on historic properties with traditional cultural significance; and (6) reporting. It is anticipated that this study will be completed in two years with the approximate timelines for each study step outlined below. A progress report on the study will be provided in the Initial Study Report (ISR), which will reflect any anticipated schedule modifications prior to the Updated Study Report (USR).

- Step 1 – Selection of ethnographers
  - January-February 2021

- Step 2 – Tribal/First Nations outreach
  - March-May 2021

- Step 3 – Ethnohistorical and ethnographic data and information gathering
  - April-December 2021

- Step 4 – Historic properties with traditional cultural significance documentation and NRHP evaluation
  - December 2021-May 2022

- Step 5 – Consider Project-related adverse effects on historic properties with traditional cultural significance
  - April-August 2022

- Step 6 – Reporting
  - March 2022 – ISR
  - March 2023 – USR

2.9 Level of Effort and Cost

The budget for this study will be developed in conjunction with the research design (in Step 2). The tasks for this study would be specific to enable City Light to assess Project effects or reasonably foreseeable Project effects to historic properties with traditional cultural significance within a two-year study period and a budget for these tasks will match that scope.
3.0 REFERENCES


____. 1991d. Skagit River Hydroelectric Project No. 553: Settlement Agreement Concerning


INVENTORY OF HISTORIC PROPERTIES WITH TRADITIONAL CULTURAL SIGNIFICANCE PROPOSED STUDY PLAN

ATTACHMENT A

CITY LIGHT RESPONSES TO LP COMMENTS ON THE STUDY PLAN
Table 1.  City Light responses to LP comments on the study plan.

<table>
<thead>
<tr>
<th>No.</th>
<th>Commenting Individual (Organization)</th>
<th>Date</th>
<th>Study Plan Section</th>
<th>Comment</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Pauline Douglas (NNTC)</td>
<td>10/29/2020 (written letter received via email 11/30/2020 from NNTC)</td>
<td>Section 2.6.2 Specific Study Implementation Activities</td>
<td>Verbal comments regarding hiring multiple ethnographers with Section 106 of the NHPA experience from the US. Additionally, incorporation of ethnographer to accompany survey crew at selected locations to advise on NRHP eligibility documentation.</td>
<td>Study plan updated in Section 2.6.2 Step 1 to include multiple ethnographers with experience in evaluating NRHP eligibility. Added the following to Step 4: field visits by ethnographer at selected locations to advise on NRHP eligibility documentation when/where needed.</td>
</tr>
<tr>
<td>2.</td>
<td>Pauline Douglas (NNTC)</td>
<td>10/29/2020 (written letter received via email 11/30/2020 from NNTC)</td>
<td>Section 2.6.2 Specific Study Implementation Activities</td>
<td>Verbal comments regarding conducting field survey and schedule.</td>
<td>Study plan updated in Section 2.6.2 Step 4 to clarify that field survey can occur as part of data collection and NRHP evaluation. Also adjusted the fieldwork schedule to start earlier in 2021 to allow for survey during the Ross Lake drawdown.</td>
</tr>
<tr>
<td>3.</td>
<td>Pauline Douglas (NNTC)</td>
<td>10/29/2020 (written letter received via email 11/30/2020 from NNTC)</td>
<td>Section 2.6.2 Specific Study Implementation Activities</td>
<td>Verbal comments regarding evaluating resources for NRHP eligibility.</td>
<td>Study plan updated in Section 2.6.2 Step 4 to clarify evaluation of significance and integrity.</td>
</tr>
<tr>
<td>4.</td>
<td>Kim Dicenzo (NPS)</td>
<td>11/12/2020</td>
<td>Section 1.3 Study Plan Development</td>
<td>Might be worth it to go into a little more detail on what types of info is protected. Specifically go into detail with RCW and TCPs. In federal law, the site has to be eligible for the NR where as that’s not the case for state law.</td>
<td>This is consistent with other study plans. Further details about confidentiality can be included in the research design, which will be developed in Step 2 of the study.</td>
</tr>
<tr>
<td>5.</td>
<td>Kim Dicenzo (NPS)</td>
<td>11/12/2020</td>
<td>Section 2.6.2 Specific Study Implementation Activities</td>
<td>Step 1 and 2 seem backwards. If you’re allowing tribes to choose the ethnographer, then the outreach to see who wants to participate should happen first so they can select ethnographer.</td>
<td>Step 1 includes soliciting input from Indian tribes and First Nation communities on who they recommend for ethnographers. The outreach under Step 2 is for the ethnographers to begin working with the participating communities.</td>
</tr>
<tr>
<td>6.</td>
<td>Kim Dicenzo (NPS)</td>
<td>11/12/2020</td>
<td>Section 2.6.2 Specific Study</td>
<td>Does this need to include a little more detail? Maybe just stating that these are written</td>
<td>Bullets revised for clarity – evaluation of significance and integrity, and evaluations will...</td>
</tr>
<tr>
<td>No.</td>
<td>Commenting Individual (Organization)</td>
<td>Date</td>
<td>Study Plan Section</td>
<td>Comment</td>
<td>Response</td>
</tr>
<tr>
<td>-----</td>
<td>--------------------------------------</td>
<td>---------</td>
<td>--------------------</td>
<td>--------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>7.</td>
<td>Kim Dicenzo (NPS)</td>
<td>11/12/2020</td>
<td>Section 2.6.2 Specific Study Implementation Activities</td>
<td>documents that analyze each of these bullets for the TCP?</td>
<td>be documented in study reports, which are prepared as part of Step 6.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Implementation Activities</td>
<td>However, only eligible or listed properties will see mitigation efforts (???). Or are there circumstances that SCL will manage and mitigate unevaluated TCPs?</td>
<td>This follows 36 CFR § 800.5, whereby adverse effects will be evaluated for historic properties (those resources that are eligible for or listed in the NRHP), and 36 CFR § 800.6 for the resolution of adverse effects (avoid, minimize, mitigate). If TCPs are unevaluated, they will remain as such unless they are being affected by the project, and would then go through the process outlined in 36 CFR § 800.4 – 800.6.</td>
</tr>
</tbody>
</table>