

Exhibit A

Project Figures

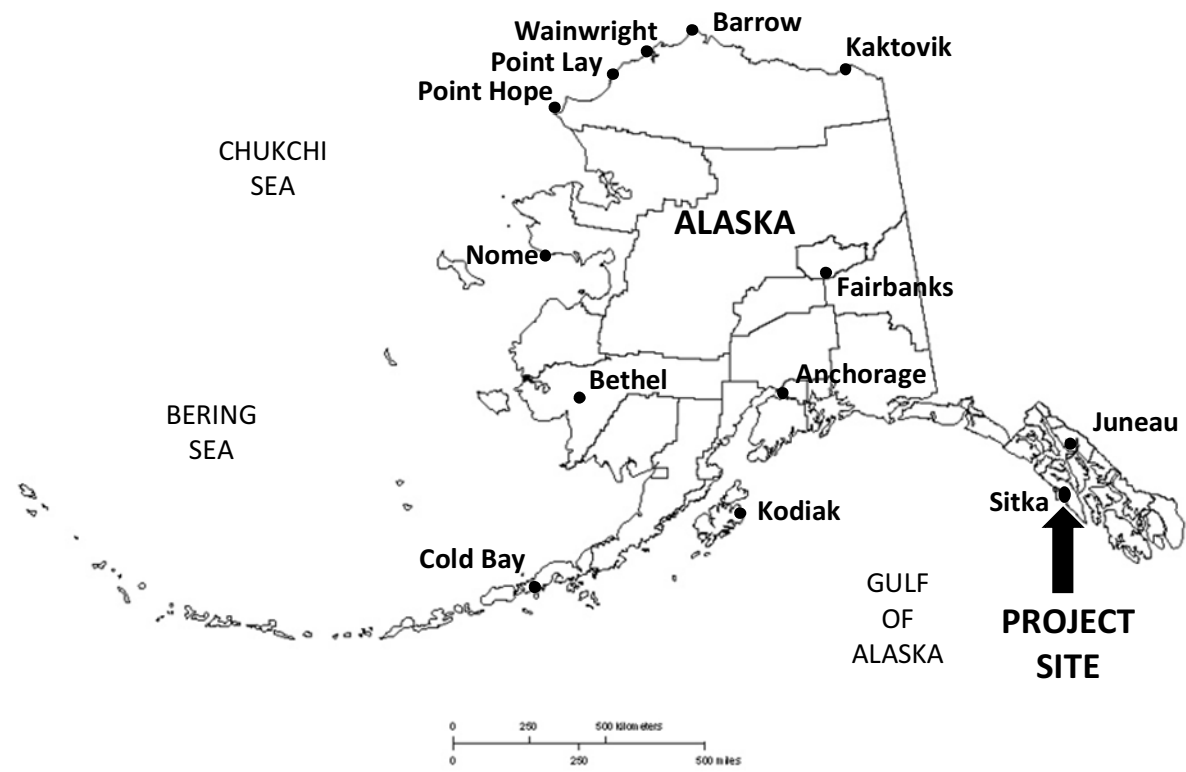


Figure 1. Critical Secondary Water Supply Project Location

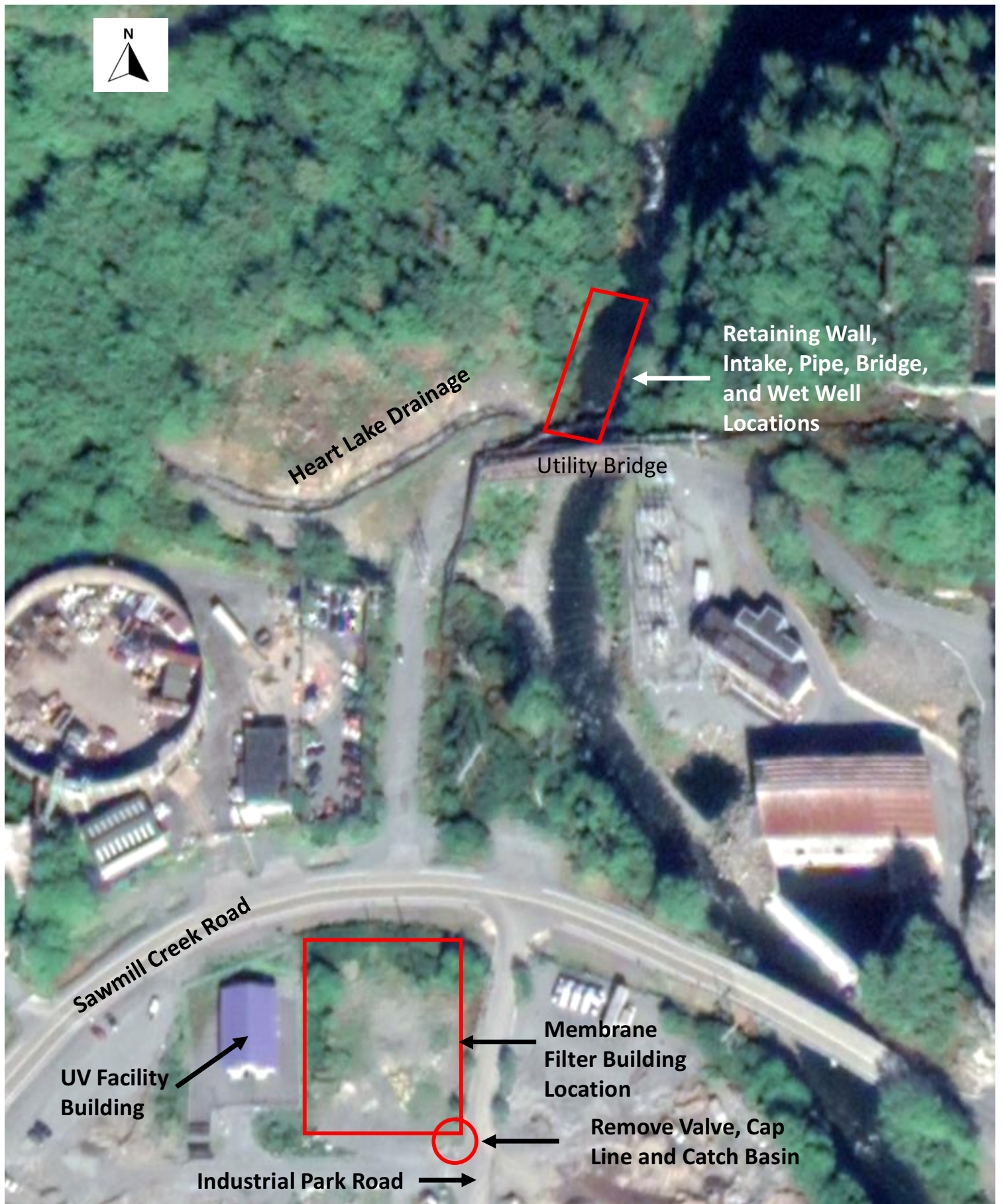
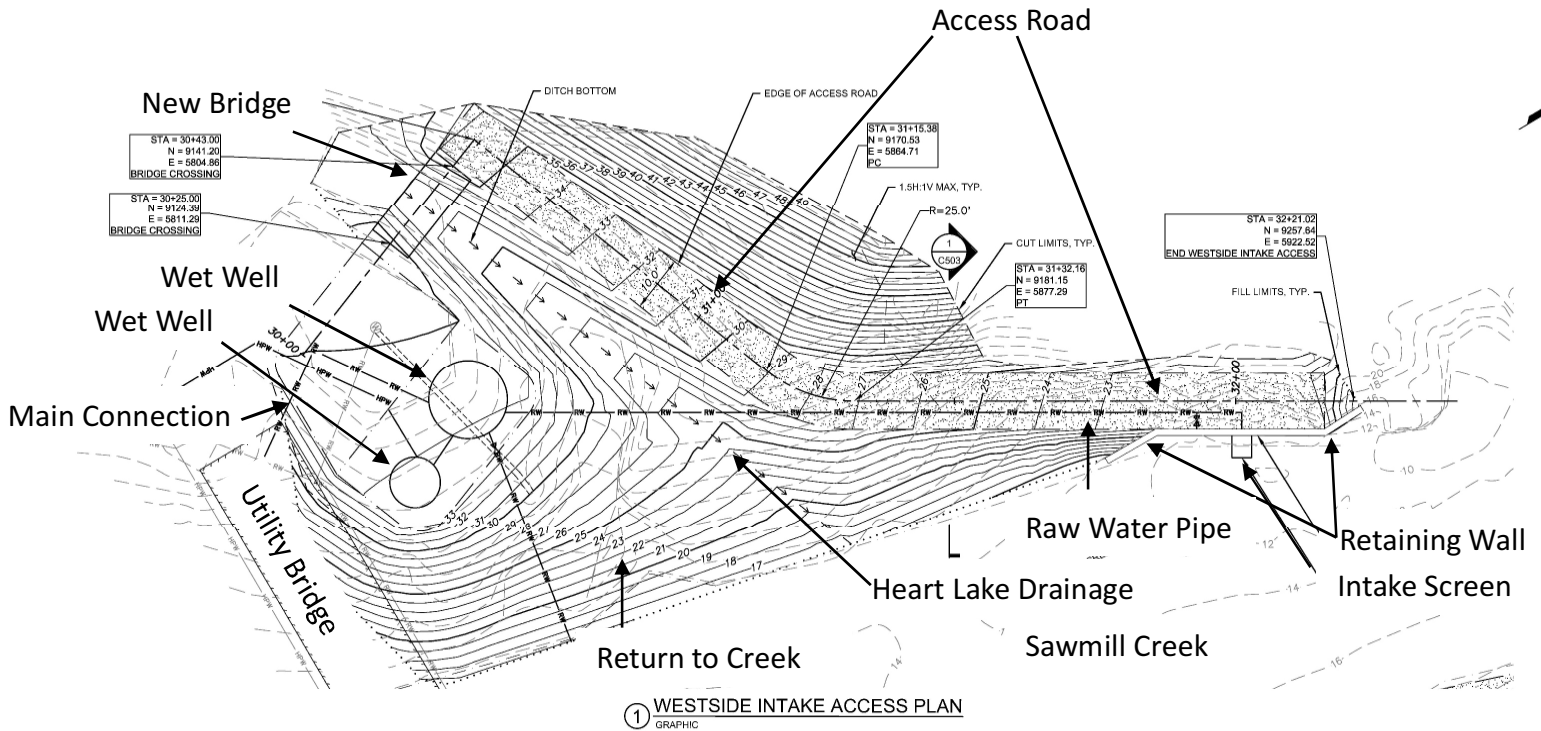
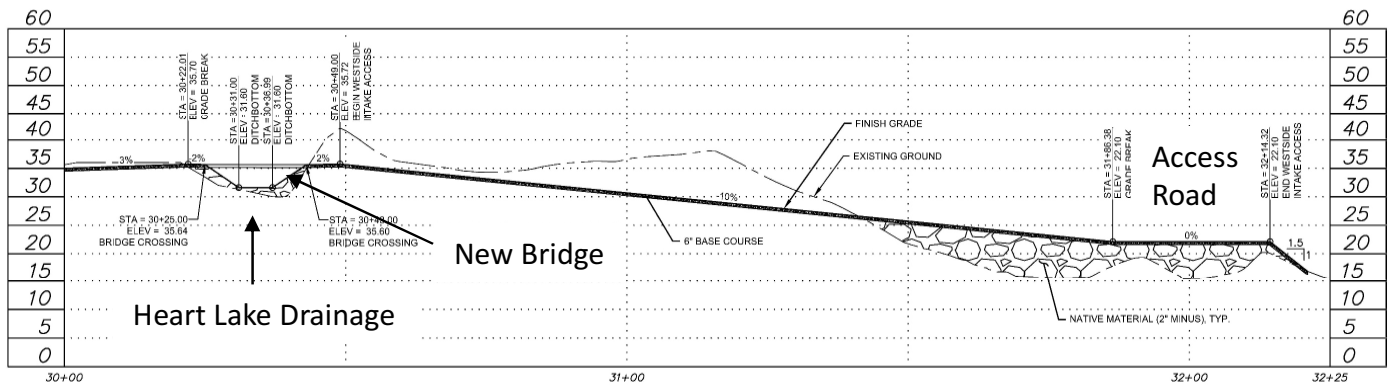


Figure 2. Critical Secondary Water Supply Project Area

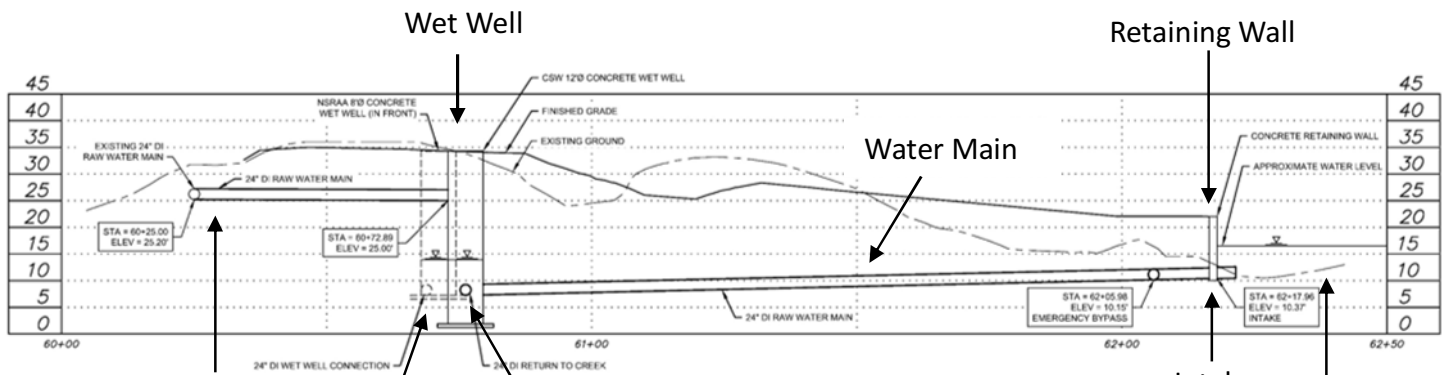
Figure 3. West Side Intake Access and Raw Water Plan



① WESTSIDE INTAKE ACCESS PLAN
GRAPHIC



② WESTSIDE INTAKE ACCESS PROFILE
GRAPHIC



② INTAKE RAW WATER PIPING PROFILE
GRAPHIC

CSW Raw Water Pipe

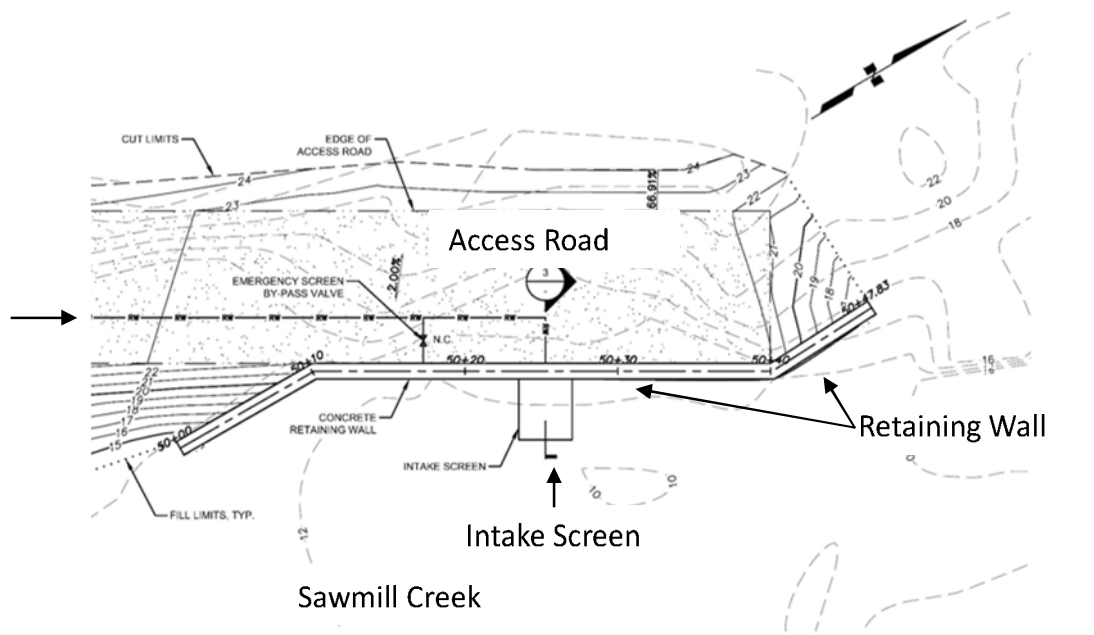
24" DI Return to Creek

24" DI Wet Well Connection

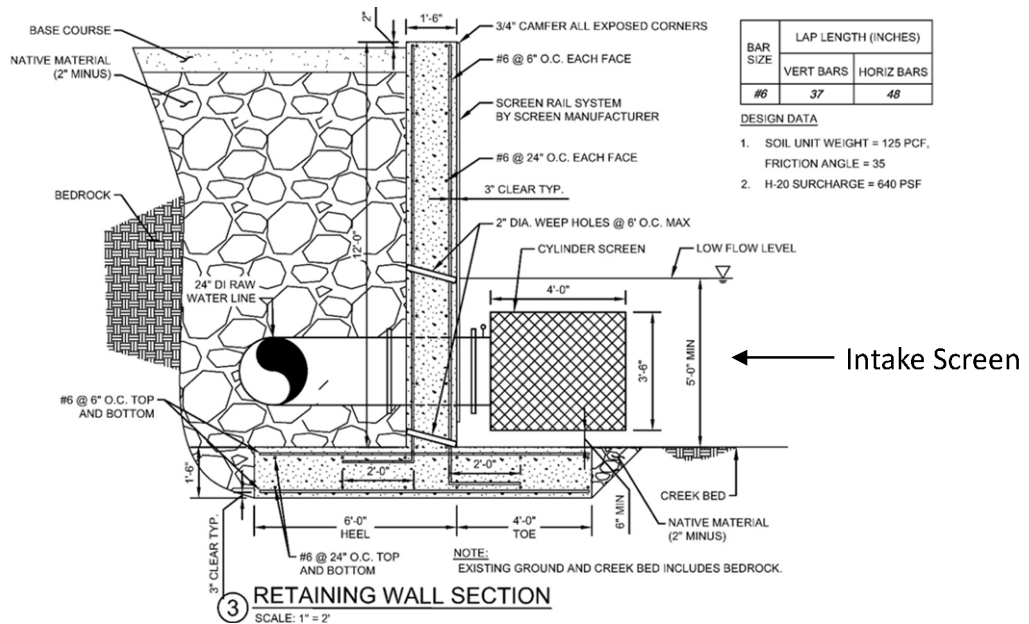
Sawmill Creek

Figure 4. Intake and Retaining Wall Design Plans

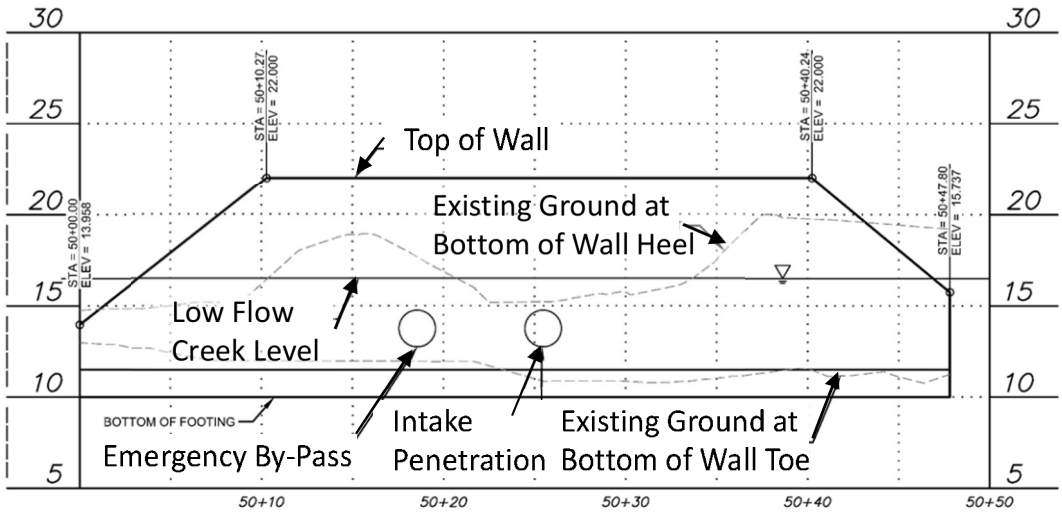
Raw Water Line



① RETAINING WALL PLAN
SCALE: 1" = 4'



③ RETAINING WALL SECTION
SCALE: 1" = 2'



② RETAINING WALL PROFILE
SCALE: 1" = 4'

Figure 5. Wet Well Design Plan

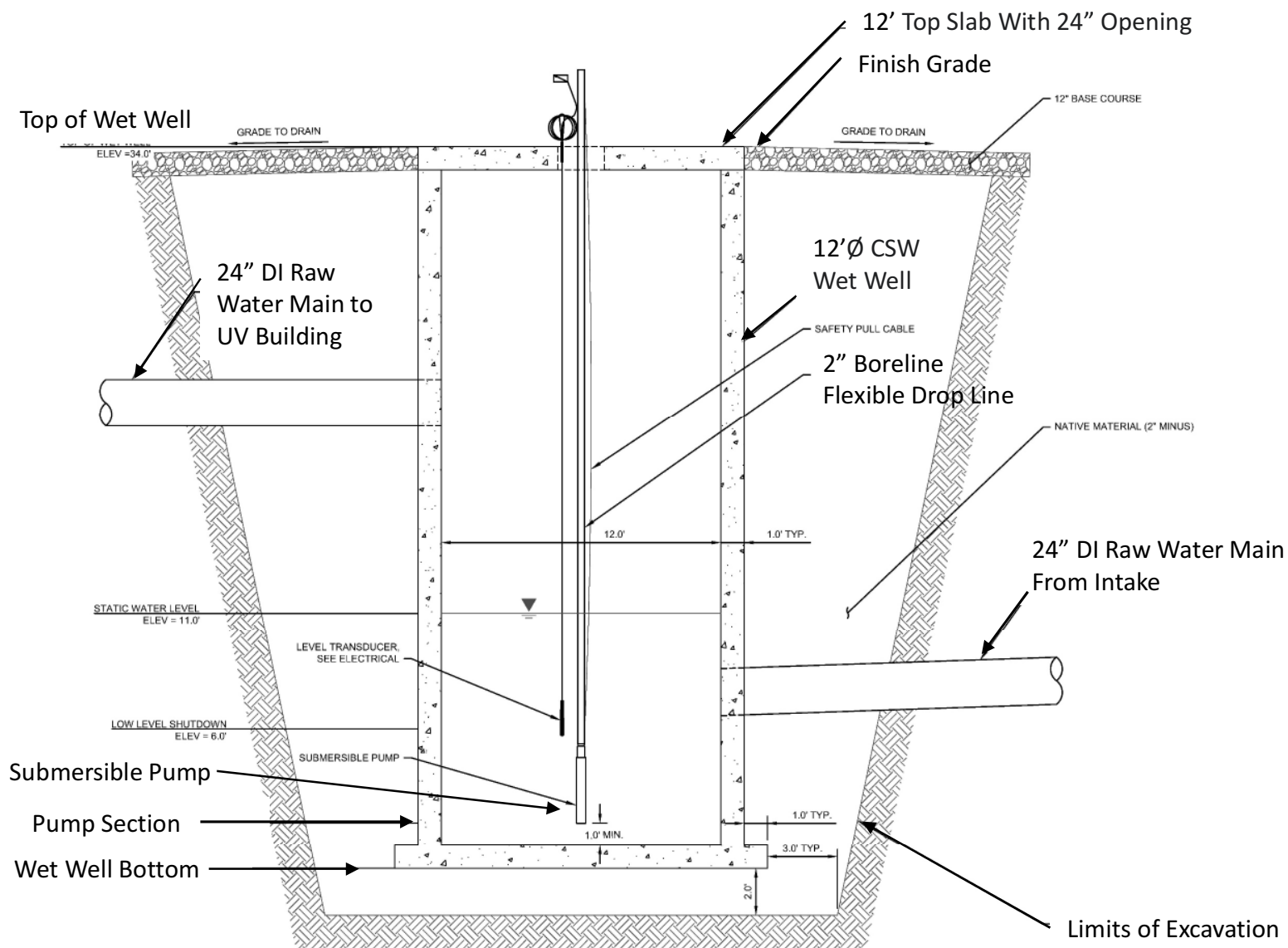


Figure 6. Membrane Filter Building Design Plan

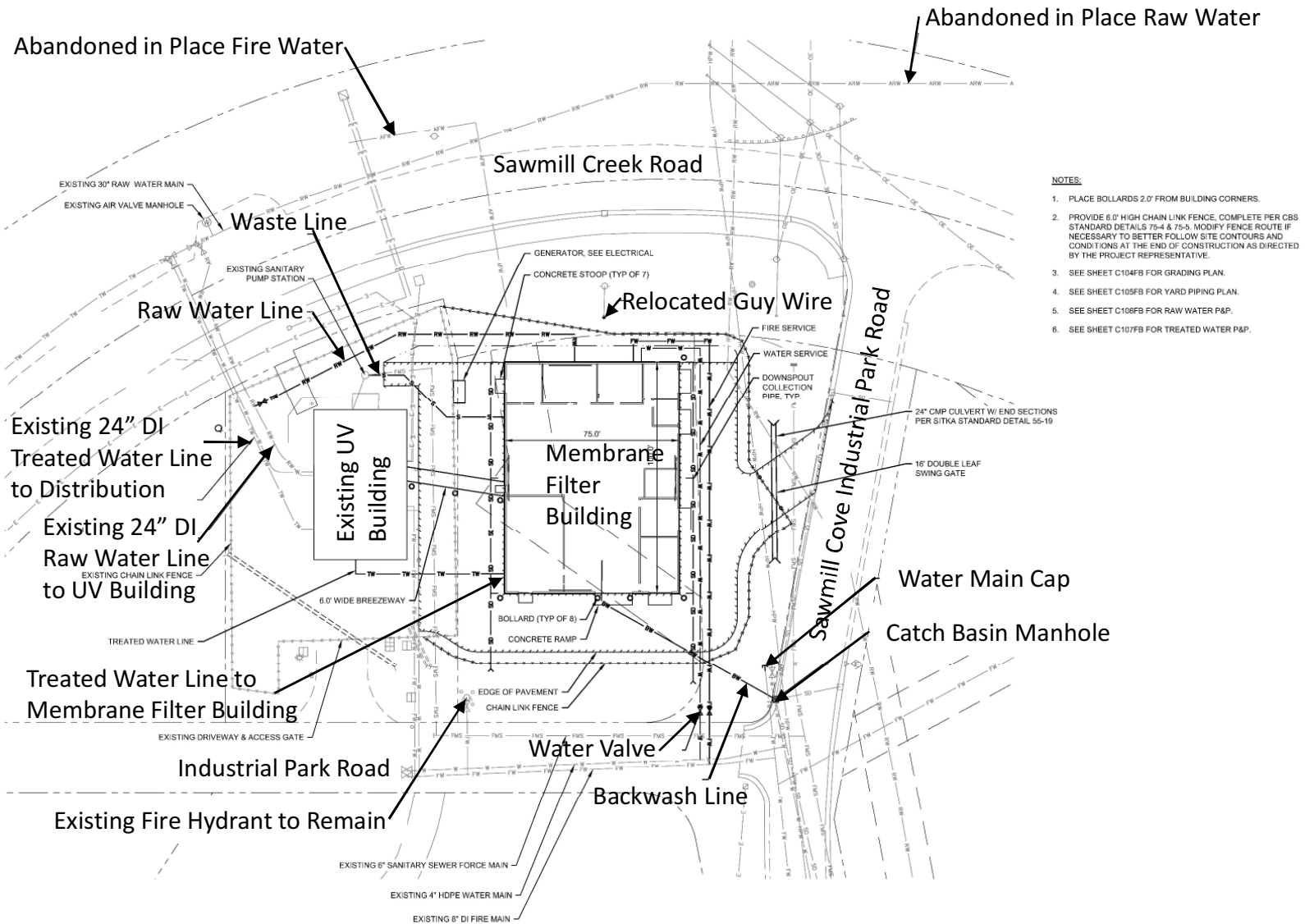
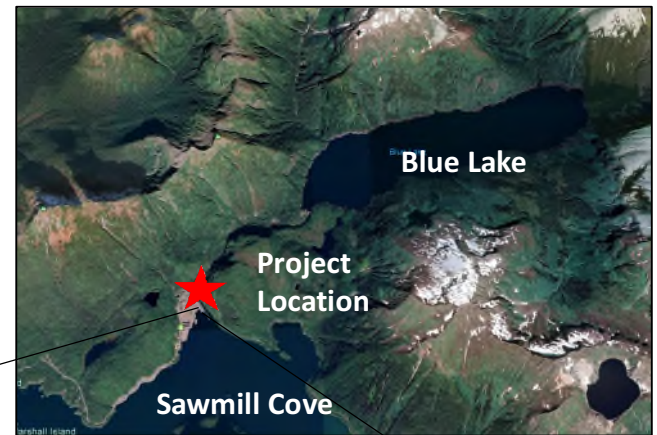


Exhibit B

Floodplain Information



Source: Federal Emergency Management Agency Accessed on March, 2, 2020 at <https://msc.fema.gov/portal/search?AddressQuery=sitka%20ak#searchresultsanchor>

Figure 1. Floodplain Information

Exhibit C

Wetlands and Waterways

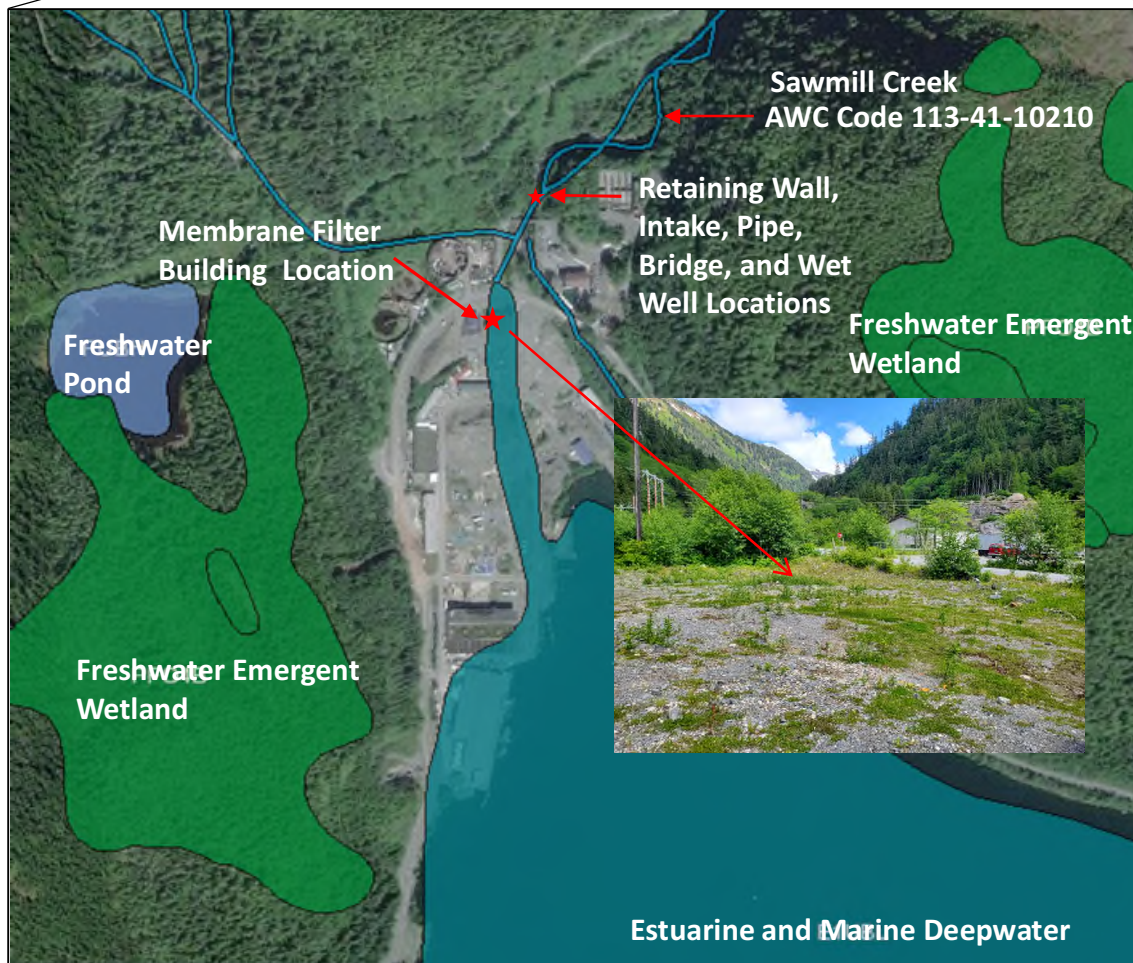


Figure 1. Critical Secondary Water Supply Wetlands and Anadromous Fish Waters

The National Wetlands Inventory mapper shows wetlands in the area where the membrane filter building is proposed; however, as shown by the figure taken at the site, the building would be constructed in a previously filled area.

Sources:

Alaska Department of Fish & Game. 2020. Accessed on March 6, 2020 at

<https://adfg.maps.arcgis.com/apps/MapSeries/index.html?appid=a05883caa7ef4f7ba17c99274f2c198f>

U.S. Fish and Wildlife Service National Wetlands Inventory. 2020. Accessed on March 2, 2020 at <https://www.fws.gov/wetlands/data/Mapper.html>

Exhibit D

Biological Resources Information

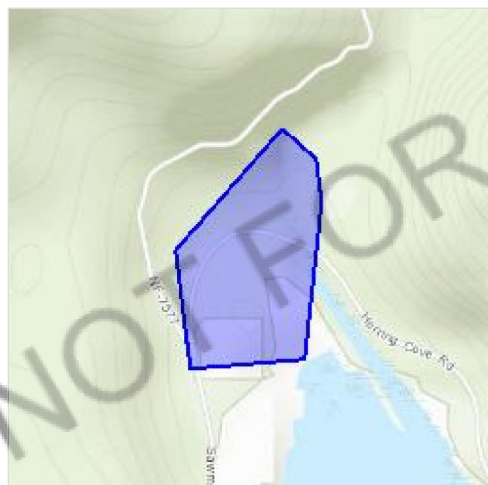
IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

Location

Sitka County, Alaska



Local office

Anchorage Fish And Wildlife Conservation Office

☎ (907) 271-2888

📅 (907) 271-2786

4700 Blm Road
Anchorage, AK 99507

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species¹ and their critical habitats are managed by the [Ecological Services Program](#) of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries²).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact [NOAA Fisheries](#) for [species under their jurisdiction](#).

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1. Species listed under the [Endangered Species Act](#) are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the [listing status page](#) for more information.
 2. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

THERE ARE NO ENDANGERED SPECIES EXPECTED TO OCCUR AT THIS LOCATION.

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act¹ and the Bald and Golden Eagle Protection Act².

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described [below](#).

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern <http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php>
- Measures for avoiding and minimizing impacts to birds <http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php>
- Nationwide conservation measures for birds <http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf>

THERE ARE NO MIGRATORY BIRDS OF CONSERVATION CONCERN EXPECTED TO OCCUR AT THIS LOCATION.

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

[Nationwide Conservation Measures](#) describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. [Additional measures](#) and/or [permits](#) may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS [Birds of Conservation Concern \(BCC\)](#) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the [Avian Knowledge Network \(AKN\)](#). The AKN data is based on a growing collection of [survey, banding, and citizen science datasets](#) and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle ([Eagle Act](#) requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the [AKN Phenology Tool](#).

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the [Avian Knowledge Network \(AKN\)](#). This data is derived from a growing collection of [survey, banding, and citizen science datasets](#).

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go to the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: [The Cornell Lab of Ornithology All About Birds Bird Guide](#), or (if you are unsuccessful in locating the bird of interest there), the [Cornell Lab of Ornithology Neotropical Birds guide](#). If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are [Birds of Conservation Concern](#) (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the [Eagle Act](#) requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the [Northeast Ocean Data Portal](#). The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the [NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf](#) project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the [Diving Bird Study](#) and the [nanotag studies](#) or contact [Caleb Spiegel](#) or [Pam Loring](#).

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to [obtain a permit](#) to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the [National Wildlife Refuge](#) system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

ESTUARINE AND MARINE DEEPWATER

[E1UBL](#)

RIVERINE

[R3UBH](#)

[R5UBH](#)

A full description for each wetland code can be found at the [National Wetlands Inventory website](#)

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tubercid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

MEMORANDUM



Date: April 20, 2020

From: Emerald Hagy, Environmental Planner;

Subject: City and Borough of Sitka Critical Secondary Water Supply Project: Eagle Nest Survey

The purpose of this memo is to detail the methods and findings of the Bald Eagle nest survey conducted for the City and Borough of Sitka's (CBS) proposed Critical Secondary Water Supply Project.

Methods

On April 10, 2020 between 1250 to 1450 and April 17, 2020 between 1430 and 1600, Bald Eagle nest surveys were conducted within a 600-foot buffer around components of the CBS's proposed water intake and filter building. Using a rangefinder, GPS unit, and binoculars, the observer (environmental planner, Emerald Hagy) traversed the area to determine the presence of eagle nests.

The survey began by standing in one location within the buffer area. The rangefinder was used to determine the 600-foot parameter. Once the extent of the boundary was determined binoculars were used to scan the trees starting from west to east and then repeated east to west to ensure no nests were missed.

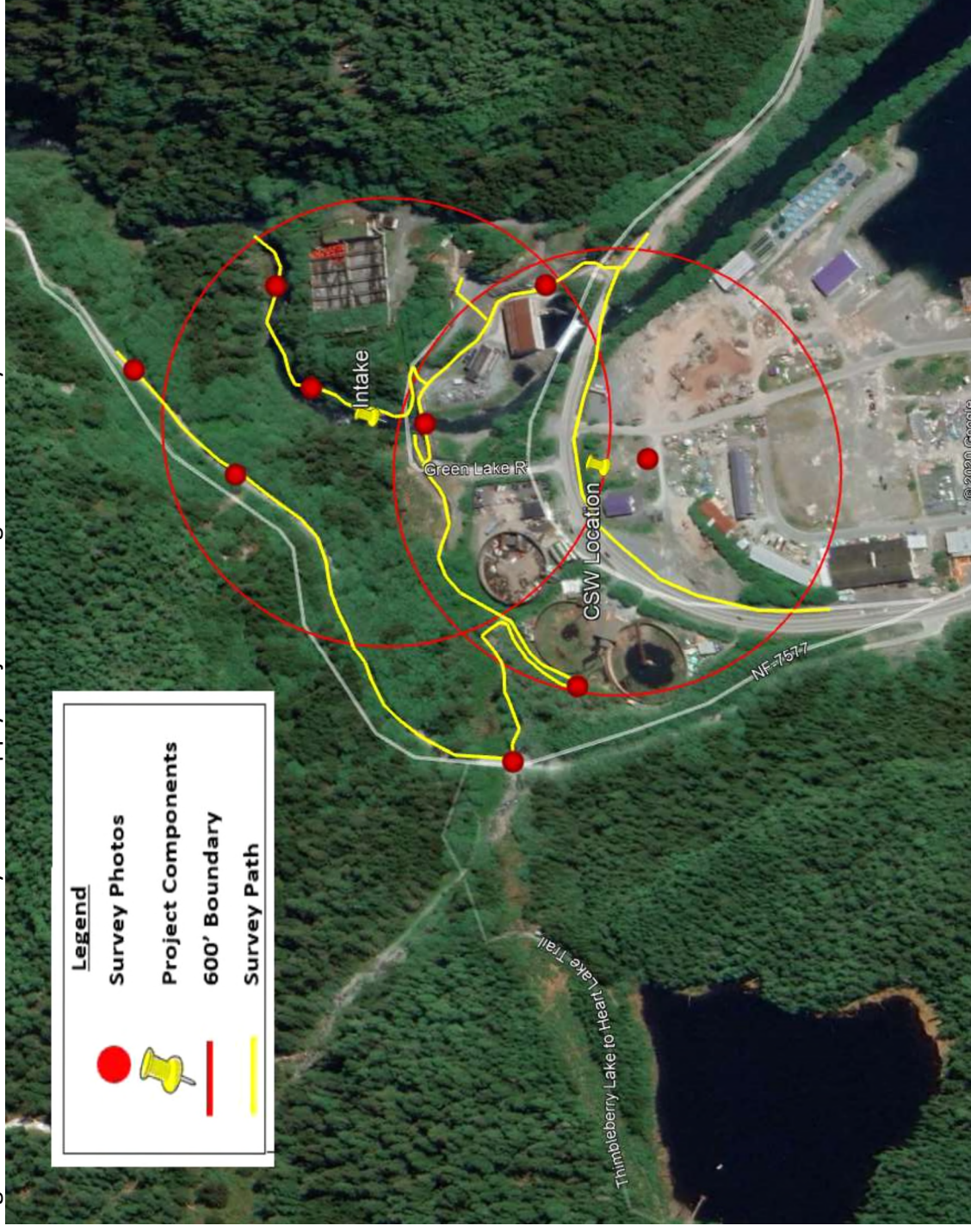
The area that was not visible from the WTP site were traveled on foot following the same path on the route out and back. The surveyor stopped and conducted a 360-degree observation at approximately every 50 feet along the path. Figure 1 shows area that was surveyed and the route the was followed during the surveys.

Results

No eagle nests were observed during either survey . Several eagles were sighted foraging outside of the 600-foot boundary, but none travelled within the boundary or were sighted returning to nests in the area.



Figure 1. CBS Critical Secondary Water Supply Project Bald Eagle Nest Survey Area and Route



Robin Reich

From: Albrecht, Gregory T (DFG) <greg.albrecht@alaska.gov>
Sent: Thursday, March 26, 2020 10:11 AM
To: Steven T. Hebnes
Cc: Kanouse, Kate M (DFG)
Subject: RE: City of Sitka - Secondary Water Supply Project

Approach velocity.
Thanks

Greg Albrecht
ADF&G Habitat Biologist
802 3rd St
Douglas, AK 99824
465-6384

From: Steven T. Hebnes
Sent: Wednesday, March 25, 2020 5:48 PM
To: Albrecht, Gregory T (DFG)
Cc: Kanouse, Kate M (DFG)
Subject: RE: City of Sitka - Secondary Water Supply Project

Greg,

Could I get clarification on the screen size velocity?

Below you indicate:

“a 0.1 inch mesh screen size with sufficient open screen area to maintain a face velocity less than 0.5 fps”

Does face velocity mean slot velocity or approach velocity?

Approach velocity meaning “the velocity perpendicular to the screen surface measured 3 inches away”.

Thanks,

Steven Hebnes, PE, CCM

Civil Engineer and Certified Construction Manager

CRW Engineering Group, LLC

3940 Arctic Blvd, Ste. 300
Anchorage AK 99503
Office 907-562-3252 | Direct 907-646-5657
www.crweng.com

From: Albrecht, Gregory T (DFG) [<mailto:greg.albrecht@alaska.gov>]
Sent: Friday, April 26, 2019 11:08 AM
To: Steven T. Hebnes <SHebnes@crweng.com>
Cc: Kanouse, Kate M (DFG) <kate.kanouse@alaska.gov>
Subject: RE: City of Sitka - Secondary Water Supply Project

Hello Steven,

Thanks for contacting us about options for the City of Sitka's proposed secondary water intake in Sawmill Creek just above tidal influence. We appreciate the effort to invest in infrastructure that meets the needs of Sitka, while limiting water demand on the Indian River, which has been controversial in the past. I'd like to follow up on a few items and share some photos, as requested, from the Indian River hydro intake in Tenakee.

In response to your question about the intake screen specifics, a 0.1 inch mesh screen size with sufficient open screen area to maintain a face velocity less than 0.5 fps and some mechanism to keep the screen clear will be sufficient to protect juvenile and adult fish. I've attached another document we use when evaluating screen design for your reference. I won't attempt to calculate the screen area need, as I do not know the specifics of the screens you are evaluating, but am available to work with you on that as needed.

I've attached a few photos from the Indian River intake structure near Tenakee, which does not yet have the screen installed. Note the fish ladder on river right, bypass gate at center, and the opening directly downstream of the declined concrete face where the screen will be installed. More information about these coanda-effect screens is available at Hydroscreen.com. Joel Groves at Polar Consult, Anchorage, designed this 50 CFS hydro intake for the City of Tenakee.

This option, as well as a diversion structure similar to the one in Indian River, Sitka, are less desirable from a fish resources standpoint than the submerged cone screen intake option because they require means of fish passage over the impoundment (ie. fish ladder or bypass channel), would interrupt sediment recruitment for spawning fish downstream, and could flood banks and access routes used by anglers. ADF&G is willing to assess these tradeoffs though, ideally with a site visit at some point in the future.

You mentioned one benefit of a diversion structure or inclined plate intake is that they are more easily maintained in the event of damage or fouling than a submerged cone screen, particularly during a flood event when damage and fouling are more likely. This is certainly an important consideration. For that reason, I recommend considering an auxiliary valve or bypass pipe for the cone screen option that could be activated in the event of an emergency where the cone screen has failed in some way and was unable to be maintained. In this case, public health and safety would take priority over excluding fish for the duration of the emergency.

Thanks again for reaching out early in the process, I look forward to working with you and the City on this project.

Greg Albrecht
ADF&G Habitat Biologist
802 3rd St
Douglas, AK 99824
465-6384

From: Steven T. Hebnes <SHebnes@crweng.com>
Sent: Wednesday, April 24, 2019 10:00 AM
To: Kanouse, Kate M (DFG) <kate.kanouse@alaska.gov>
Cc: Rebecca Venot <RVenot@crweng.com>
Subject: City of Sitka - Secondary Water Supply Project

Hello Kate,

I received your contact information from Jarrod with the Aquatic Resource Unit.

I am working with the City of Sitka to develop a technical memorandum to evaluate alternatives for a secondary water source for the community of Sitka.

The City has already identified Sawmill Creek as the secondary water source so they will be able to use their existing infrastructure, as well as a new Filter Water Treatment Building planned to be located close to the existing UV Water Treatment Building.

Please let me know who I should contact to discuss this project and also develop the correct requirements for a creek intake. I would also like discuss some other alternates that we are considering to include in this memo.

Thanks,

Steven Hebnes, PE, CCM

Civil Engineer and Certified Construction Manager

CRW Engineering Group, LLC

3940 Arctic Blvd, Ste. 300

Anchorage AK 99503

Office 907-562-3252 | Direct 907-646-5657

www.crweng.com

Exhibit E

Cultural Resources Information and Section 106 Consultation Materials

From: Johnson, McKenzie S (DNR) <mckenzie.johnson@alaska.gov>
Sent: Friday, July 17, 2020 4:03 PM
To: Robin Reich <robin@solsticeak.com>
Cc: Fetter, Adele J (DEC) <adele.fetter@alaska.gov>
Subject: Sitka Intake Project Finding Letter, SHPO Concurrence

File No.: 3130-2R DEC/ 2020-00724

Dear Ms. Reich:

The Alaska State Historic Preservation Office (AKSHPO) received the correspondence and associated documentation on June 16, 2020. Upon review, we concur that a finding of **no historic properties affected** is appropriate for the proposed undertaking.

Should previously unidentified archaeological resources be discovered during the project, work must be interrupted until the resources have been evaluated using the National Register of Historic Places eligibility criteria (36 CFR 60.4) in consultation with our office.

Thank you for the opportunity to review and comment. Please let me know if we can be of further assistance.

Mckenzie S. Johnson
Archaeologist I - Review and Compliance
Alaska State Historic Preservation Office (AKSHPO)/Office of History and Archaeology (OHA)
550 W. 7th Ave, Suite 1310
Anchorage, AK 99507
mckenzie.johnson@alaska.gov
Currently working out of office, e-mail correspondence is best to reach me.

Section 106 of the National Historic Preservation Act Consultation Initiation

From: DNR, Parks OHA Review Compliance (DNR sponsored) <oha.revcomp@alaska.gov>

Sent: Tuesday, June 16, 2020 12:02 PM

To: Robin Reich <robin@solsticeak.com>

Cc: Fetter, Adele J (DEC) <adele.fetter@alaska.gov>; Johnson, McKenzie S (DNR) <mckenzie.johnson@alaska.gov>

Subject: FW: Sitka Intake Project Finding Letter

Good afternoon,

The Office of History and Archaeology/Alaska State Historic Preservation Office received your documentation and its review has been assigned to Mckenzie Johnson as ID No: 2020-00724. We may contact you if we require additional information. Our office ordinarily has 30 calendar days after receipt to complete our review, but our office has entered tolling in response to complications from COVID-19 and our review may be delayed as a result. Please contact the project reviewer or myself by email if you have any questions or concerns.

Best,

Sarah Meitl

Review and Compliance Coordinator
Alaska State Historic Preservation Office
Office of History and Archaeology

550 West 7th Avenue, Suite 1310

Anchorage, AK 99501-3561

Direct: 907-269-8720

sarah.meitl@alaska.gov

<http://dnr.alaska.gov/parks/oha>

Teleworking - Email is the best method of communication.

From: Robin Reich <robin@solsticeak.com>

Sent: Monday, June 15, 2020 1:26 PM

To: DNR, Parks OHA Review Compliance (DNR sponsored) <oha.revcomp@alaska.gov>

Cc: Fetter, Adele J (DEC) <adele.fetter@alaska.gov>

Subject: Sitka Intake Project Finding Letter

Hi-

Please see attached.

Thanks for your help with this.

Robin Reich, President
Environmental Planner

Solstice Alaska Consulting, Inc.

2607 Fairbanks St. #B

Anchorage, AK 99503

907.929.5960

Cell: 907.903.0597

Solstice Alaska Consulting, Inc.
2607 Fairbanks Street, Suite B
Anchorage, AK 99503
907.929.5960

June 15, 2020

Ms. Judith E. Bittner
State Historic Preservation Officer
Office of History and Archeology, Department of Natural Resources
550 West 7th Avenue, Suite 1310
Anchorage, AK 99501

Dear Ms. Bittner:

The City and Bureau of Sitka (CBS) is proposing to construct a Critical Secondary Water (CSW) Supply Facility to provide an additional water treatment method using the Water and Wastewater Disposal Program Fund loan program administered by the Alaska Department of Environmental Conservation (DEC) and funded by the U.S. Department of Agriculture (USDA). Additional funding may be acquired through an Economic Development Administration grant which the CBS may be seeking. Under these programs CBS is required to submit the necessary documentation to DEC, who acts as the lead agency. Pursuant to 36 CFR 800.4(d)(1), implementing regulations of Section 106 of the National Historic Preservation Act, CBS finds that no historic properties would be affected by the proposed project described in detail below.

Project Description

Currently, the City and Borough of Sitka (CBS) receives drinking water that flows by gravity from an intake structure in Blue Lake through rock tunnels and a penstock to the Blue Lake Water Treatment Plant (BLWTP) and UV Disinfection Facility. The penstock provides some water to the BLWTP, and the rest of the water flows to the Blue Lake hydropower facility.

The project is to create a CSW Supply Facility that will provide an additional water treatment method when the hydropower penstock is out of service for inspection or maintenance or when turbidity of water delivered from the penstock exceeds allowable maximums and needs to be filtered. The CSW Supply Facility, located about five miles east of Sitka, Alaska (Section 34, Township 55S, Range 64E, Copper River Meridian), would include:

- 24-inch-tall intake cone with a diameter of about 96 inches installed in Sawmill Creek in a pooling area about 100 feet upstream of the utility bridge (Alaska Department of Transportation and Public Facilities Bridge Number 1485). A rotating brush will keep the screen and base clear from silt and debris build up.
- A concrete retaining wall would be placed on the landside of the intake screen between the creek edge and the adjacent cliff. The wall would be approximately 22 feet tall and 50 feet long. Blast rock backfill would be placed between the wall and the cliff face.
- Approximately 130 feet of 30-inch intake piping running between the screen intake and a wet well. The pipe would be placed between the concrete retaining wall and the cliff



face and then continue below ground surrounded by bedding and pipe zone material, topped with insulation board, backfill, base course, and leveling course, where needed to the wet well.

- A wet well (8-foot-diameter concrete manhole) located onshore. The bottom of the wet well and intake pipe would be set 20 feet below existing grade and 7 feet below low water to allow water to flow by gravity into the wet well during all expected creek conditions.
- About 60 feet of new 24-inch raw water line between the wet well and the existing raw water line to the BLWTP and UV Disinfection Facility. The water line would be trenched underground, as described above.
- A new 20 feet long by 5 feet wide (approximate) bridge placed over the drainage channel to provide access to the intake.
- About 135 feet of 24-inch raw water line between the existing raw water line and the CSW Supply Facility building.
- About 54 feet of 24-inch treated water line between the UV Disinfection Facility and the CSW Supply Facility building.
- A new single story 6,000 square feet pre-engineered metal CSW Supply Facility building located about 32 feet east of the UV Disinfection Facility. The building house a package microfiltration membrane filtration system for filtering raw water.
- A drinking water backwash handling and disposable system including 120 feet of new 8-inch storm drain piping and a replacement catch basin manhole for treated backwash disposal via an existing marine outfall.
- A new diesel generator to provide power when needed.
- New fencing around the building site.

During construction, vegetation and debris would be cleared from the intake area, an abandoned water line located north of Sawmill Creek Road would be removed, and about 130 feet of existing fencing along the east side of the UV facility would be removed. An abandoned fire hydrant, fire main, power pole and any vegetation and debris would be removed and an area of about 120 feet by 150 feet adjacent to the UV Disinfection facility would be graded and leveled for the CSW Supply Facility building.

Area of Potential Effect

The Area of Potential Effect (APE) includes the area surrounding the intake, pipe, wet well, cleared area for the CSW Facility, removal of the fire hydrant, and removal of the valve and cap line of the catch basin. All construction work will be within the disturbed footprint of the APE and will be accessed through the existing roads, including the UV Disinfection Facility access road. The APE extends outside the earth disturbance footprint to account for potential visual and auditory disturbances. The APE is shown on the attached figure.



Identification Efforts

A cultural resource desktop investigation of the current APE and adjacent properties was conducted by Cultural Resource Consultants, LLC. (CRC). A search of the Alaska Heritage Resources Survey (AHRS) database on April 7, 2020 identified no AHRS sites within the project APE. There are four sites outside the project APE near the project vicinity.

SIT-00708, Sawmill Creek Road Bridge is located adjacent to the Sawmill Cove Industrial Park and the current UV Disinfection Facility. The structure is a 165-foot long, 2-span steel stringer bridge that is 32 feet wide and has a roadway width of 30 feet. The bridge was constructed by the Department of Commerce Bureau of Public Roads between 1961 to 1962. The Sawmill Creek Road Bridge was recommended not eligible for the National Register of Historic Places, and the SHPO concurred with this finding.

SIT-00792, Alaska Pulp Mill Administration Building is located on the north end of the Sawmill Road project in the former Alaska Pulp Mill complex. This two-story structure is being used as a commercial space for the new Sawmill Industrial Park being developed by the CBS. Additions to the building, including the construction of the second story, were made in 1975. This building was recommended not eligible for the National Register due to the loss of integrity from modifications. The SHPO concurred with this finding.

SIT-00935, Dairy Road is an abandoned 400-foot-long, 10 to 15 feet wide road that is located about 1,000 feet south of Sawmill Cove Industrial Park. The remaining road segment has no known significant associations with events, trends, or people and it does not retain historic integrity. The SHPO concurred with a not eligible for the National Register recommendation.

SIT-01074, Alaska Pulp Company Mill Dock Remains include the Utility Dock, the Oil Unloading Dock, and the Railcar Loading/ Unloading Facility that are located within the Sawmill Cove Industrial Park. The site was recommended not eligible for the National Register, due to lack of historic significance and integrity. The SHPO concurred with this finding.

Finding of Effect

CRC's investigation found that there are no historic properties that would be affected by the proposed activities within the project APE, because there are no historical properties within the APE and nearby properties are not eligible for the National Register.

Based on this information, CBS concludes that the proposed CSW Supply Facility Project would result in "No Historic Properties Affected" by this project.



DEC has reviewed and approves this determination. Please direct your concurrence or comments to me at the above address, by phone at 907-929-5960 or via email at robin@solsticeak.com.

Sincerely,

A handwritten signature in blue ink that reads "Robin Reich". The signature is fluid and cursive, with the first name "Robin" and last name "Reich" clearly distinguishable.

Robin Reich, President
Environmental Planner

Attachments: Project Figures; Cultural Resource Consultants, LLC. *Literature Review for the City and Borough of Sitka Critical Secondary Water Supply Project.*

cc: Mark Rollins, Archeologist, OHA DNR, w/enclosures
Adele Fetter, Environmental Impact Analyst, DEC



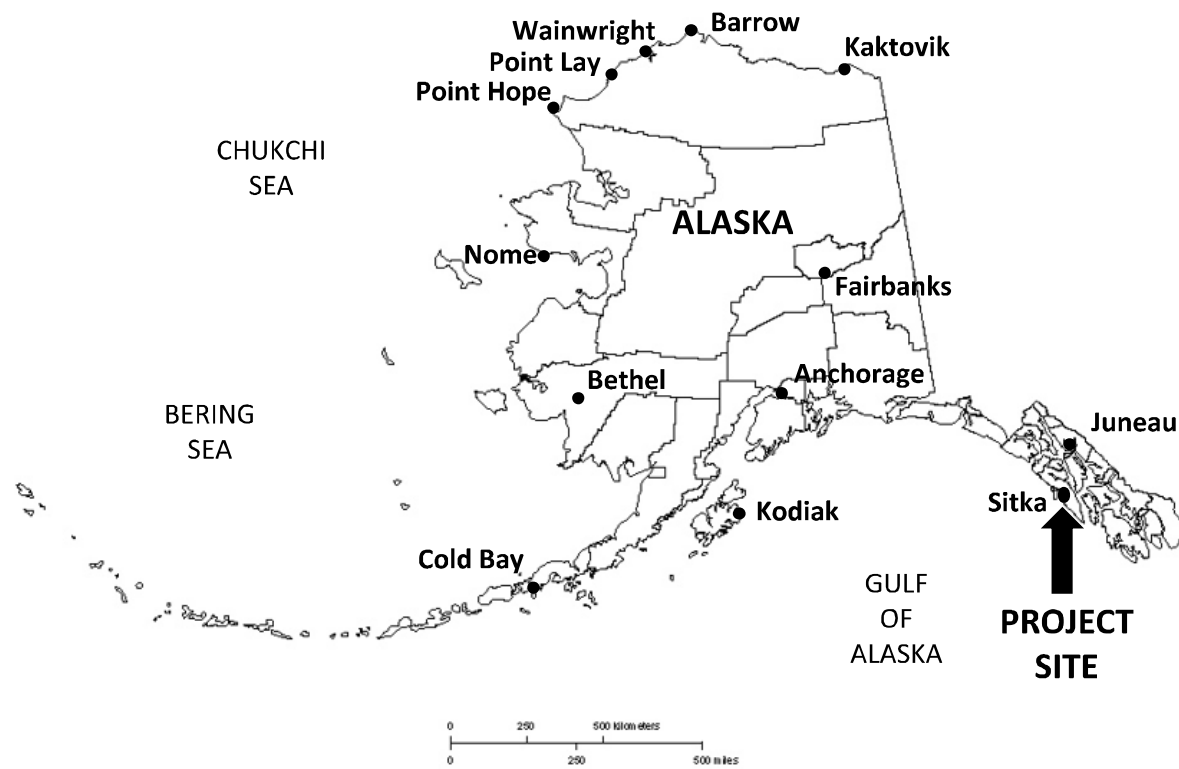


Figure 1. Critical Secondary Water Supply Facility Project Location

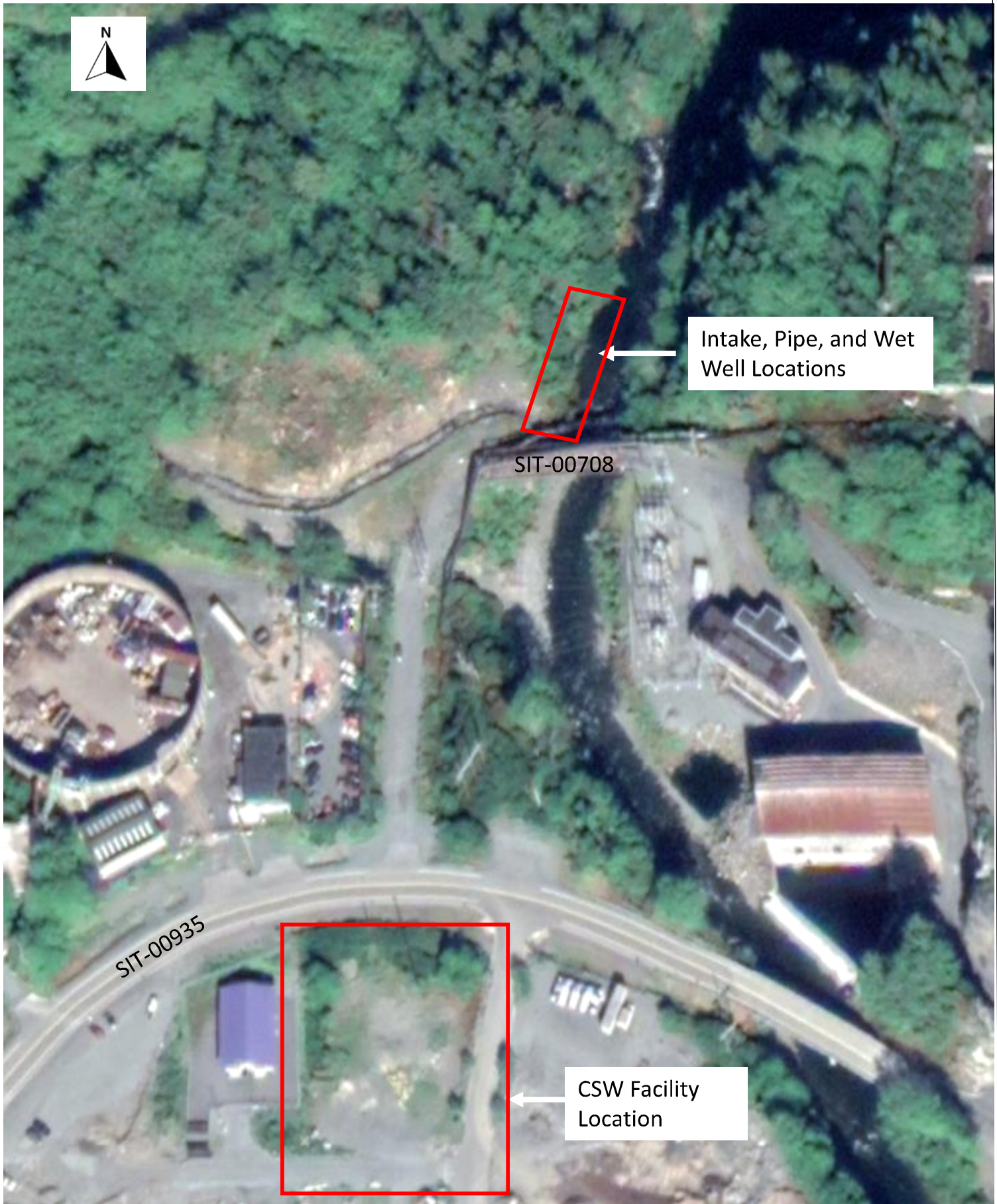


Figure 2. Critical Secondary Water Supply Facility Project Area of Potential Effect



CULTURAL RESOURCE CONSULTANTS LLC

3504 East 67th Avenue
Anchorage, Alaska 99507
(907) 349-3445

Literature Review for the City and Borough of Sitka Critical Secondary Water Supply Project

Introduction

The following briefly summarizes the results of a cultural resources literature review for the City and Borough of Sitka (CBS) Critical Secondary Water Supply project located at the north end of Sawmill Cove, southeast of the city of Sitka in USGS Quadrangle Sitka A-4 SW in Section 34 of Township 55 South, Range 64 East, Copper Meridian (Figures 1 and 2).

Project Description

The CBS is proposing to construct a Critical Secondary Water (CSW) Supply Facility to provide an additional water treatment method, when the hydropower penstock is out of service for

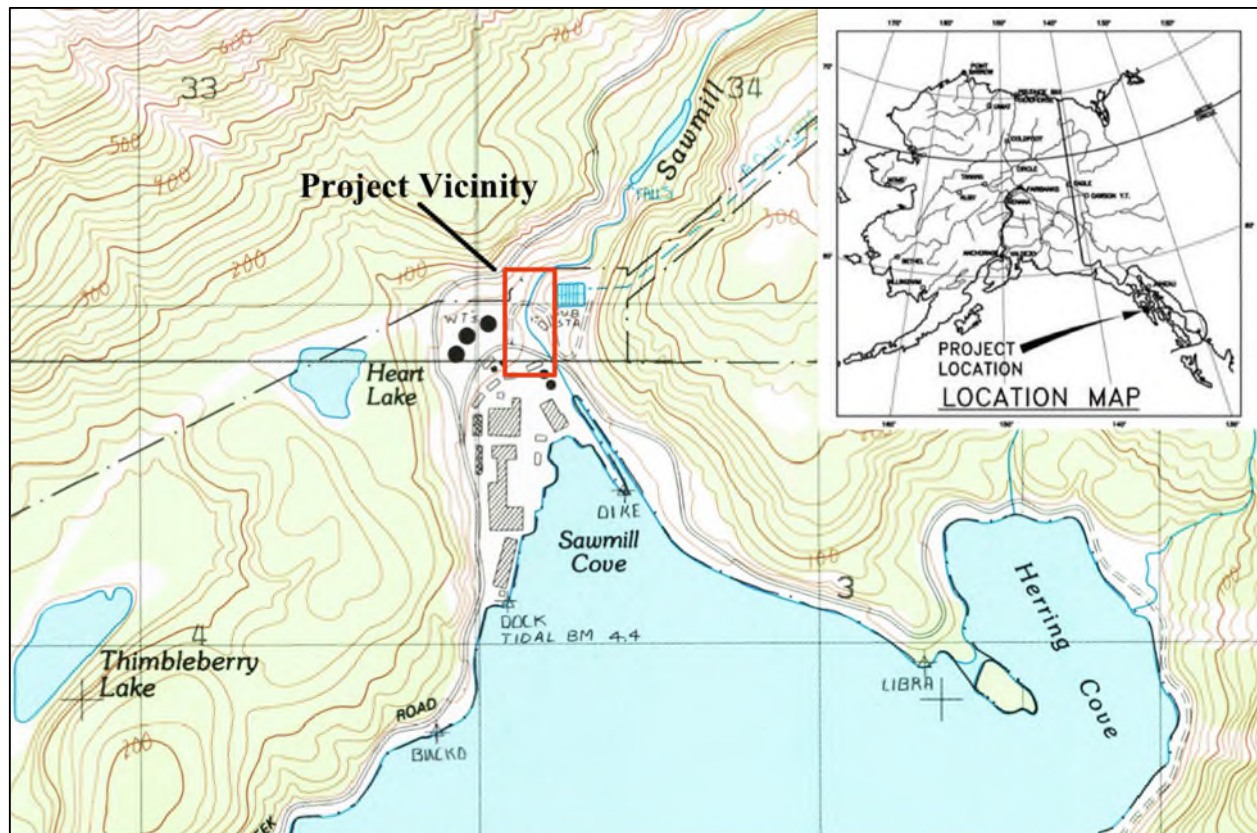


Figure 1. Project location.



Figure 2. Project vicinity and previously reported AHRS sites.

inspection or maintenance or when the turbidity of water delivered from the penstock exceeds allowable maximums and needs to be filtered. The CSW Supply Facility is needed because although Blue Lake generally supplies very good water, requiring only chlorination and ultraviolet disinfection, water turbidity levels periodically exceed maximum allowable levels. The CSW would be operated when needed (when the penstock is offline for maintenance and during turbidity events). The CSW Supply Facility would include:

- 24-inch-tall intake cone with a diameter of about 96 inches installed in Sawmill Creek in a pooling area about 100 feet upstream of the utility bridge (Alaska Department of Transportation and Public Facilities Bridge Number 1485). A rotating brush will keep the screen and base clear from silt and debris build up.
- Approximately 130 feet of 30-inch intake piping running between the intake and a wet well. About 80 feet of the line would be under water supported with concrete blocks embedded 2 feet below the creek bed. About 50 feet of pipe between the edge of the stream and the wet well would be below ground surrounded by bedding and pipe zone material, topped with insulation board, backfill, base course, and leveling course, where needed.
- A wet well (8-foot-diameter concrete manhole) located onshore. The bottom of the wet well and intake pipe would be set 20 feet below existing grade and 7 feet below low

water to allow water to flow by gravity into the wet well during all expected creek conditions.

- About 60 feet of new 24-inch raw water line between the wet well and the existing raw water line to the BLWTP and UV Disinfection Facility. The water line would be trenched underground, as described above.
- About 135 feet of 24-inch raw water line between the existing raw water line and the CSW Supply Facility building.
- About 54 feet of 24-inch treated water line between the UV Disinfection Facility and the CSW Supply Facility building.
- A new single story 6,000 square feet pre-engineered metal CSW Supply Facility building located about 32 feet east of the UV Disinfection Facility. The building house a package microfiltration membrane filtration system for filtering raw water.

A drinking water backwash handling and disposable system including 120 feet of new 8-inch storm drain piping and a replacement catch basin manhole for treated backwash disposal via an existing marine outfall.

- A new diesel generator to provide power when needed.
- New fencing around the site.

During construction, vegetation and debris would be cleared from the intake area, an abandoned water line located north of Sawmill Creek Road would be removed, and about 130 feet of existing fencing along the east side of the UV facility would be removed. An abandoned fire hydrant, fire main, power pole and any vegetation and debris would be removed and an area of about 120 feet by 150 feet adjacent to the UV Disinfection facility would be graded and leveled for the CSW Supply Facility building.

Known Sites in the General Project Area

There are no previously reported sites within the proposed project area, although the area does not appear to have been archaeologically surveyed. There are four previously reported sites in the general vicinity of the project. All four sites have been determined not eligible for the National Register of Historic Places (National Register) (see Figure 2).

SIT-00708, Sawmill Creek Road Bridge The Sawmill Creek Bridge is a 165-foot long 2-span steel stringer bridge. It is 32 feet wide, with a roadway width of 30 feet. The spans are 80 feet each. The bridge has a reinforced concrete cast-in-place deck structure, monolithic concrete deck with an asphalt wear surface, and reinforced concrete curbs. The structure was constructed between 1961-2 by the Department of Commerce Bureau of Public Roads, Region 10. It was an Alaskan Forest Highway Project 11-1(2) built on plan FP 61. The area around the bridge is heavily forested and undeveloped on the north end. The structure spans Sawmill Creek and is adjacent to the Sawmill Cove Industrial Park and the current city and hydroelectric operations.

The Sawmill Creek Road Bridge was recommended Not Eligible for the National Register, and the state historic preservation office (SHPO) concurred.

SIT-00792, Alaska Pulp Mill Administration Building – This building is known as the International Style, characterized by a rectangular form, horizontal emphasis, flat roof, and smooth exterior surface. This two-story structure is located at the north end of the Sawmill Road project in the former Alaska Pulp Mill complex. It is currently being used as a commercial space for the new Sawmill Industrial Park being developed by the Borough of Sitka. The Administration Building is a two-story, 248'x57' rectangular, composition layered, flat roofed building oriented east-west. All elevations are clad with composite wood siding. The windows are mixed sliding and double-paned aluminum. The north elevation has a metal door on the right quadrant of the first floor and six windows across the second story. The east elevation is asymmetrical, with four windows on the second floor. The south elevation has double metal doors near the south corner and six windows on the second floor. The west elevation has center entry protocol, 18 windows, and two metal doors on the ground floor. The current structure has had additions to the original structure in 1975, and at this time a sectional second story was added.

This building was recommended not eligible for the National Register due to the loss of integrity from modifications. The SHPO concurred with this finding.

SIT-00935, Dairy Road – This abandoned 400 foot segment of road is located along a proposed bike trail between Silver Bay and Sawmill Bay Road, about 1000 feet south of Sawmill Cove Industrial Park. It is 10-15 feet in width. Because the remaining road segment had no known significant associations with events, trends, or people and it did not retain historic integrity, the site was recommended not eligible for the National Register, and the SHPO concurred.

This site appears to be improperly plotted on the AHRS (see Figure 2). The portion reported is south of the industrial park, and the AHRS map plots it extending all the way to the Sawmill Creek Road Bridge.

SIT-01074, Alaska Pulp Company Mill Dock Remains – The former Alaska Pulp Company Mill dock remains are located along the west side of Sawmill Cove, east of Sitka. This site consists of five separate structures that represent the remains of three former mill docks: the Utility Dock, the Oil Unloading Dock, and the Railcar Loading/Unloading Facility. These features are all within the Gary Paxton Industrial Park (Sawmill Cove Industrial Park). The site was recommended not eligible for the National Register, due to lack of historic significance and integrity, and the SHPO concurred.

Previous Research

There have been three previous cultural resource investigations near proposed project. Two have focused on upgrades to Sawmill Creek Road, and a third was focused on the construction of a new dock in the Gary Paxton Industrial Park. In 2003, Charles Mobley (2003) conducted a survey of a section of Sawmill Creek Road extending from Sitka to the Sawmill Creek Bridge. Changes to the scope of work led to a second survey by Michael Kell (2012) in 2011. Kell evaluated two sites near the Gary Paxton Industrial Park: Sawmill Creek Bridge (SIT-00708) and the Alaska Pulp Company Administration Building (SIT-00792). Kell recommended that both sites were not eligible for the National Register. He determined that the Administration

Building “has local and regional significance under Criteria A, B, and C, but does not retain sufficient integrity to be recommended as eligible...” (Kell 2012:iii). In 2017, Cultural Resource Consultants (CRC) archaeologist Aubrey Morrison documented SIT-01074 (Morrison and Yarborough 2017).

References Cited

Kell, Michael

2012 *Cultural Resources Management Report Sawmill Creek Road Upgrade, State Project Number 68216, Federal Project Number: MGS-STP-2933(21)*. Alaska Department of Transportation and Public Facilities Southeast Region. Manuscript on file, Office of History and Archaeology, Anchorage, Alaska.

Mobley, Charles M.

2003 *Sawmill Creek Road Upgrade, Sitka, Baranof Island, Alaska: Cultural Resource Investigations*. Prepared for the Alaska Department of Transportation and Public Facilities by Charles M. Mobley & Associates, Anchorage, Alaska. On file, Office of History and Archaeology, Anchorage, Alaska.

Morrison, Aubrey and Michael Yarborough

2017 *Cultural Resources Assessment for the Gary Paxton Industrial Dock Multipurpose Dock Project, Sitka, Alaska*. Prepared for Solstice Alaska Consulting Inc. On file, Office of History and Archaeology, Anchorage, Alaska.

Exhibit F

Public Scoping Open House Summary Materials

MEMORANDUM



Date: July 23, 2020

To: CRW Engineering

From: Solstice Alaska Consulting, Inc.

Subject: Critical Secondary Water Supply Project -
July 23, 2020 Public Scoping Open House and Public Comments Summary

The City and Borough of Sitka, with loan funding from the Alaska Department of Environmental Conservation State Revolving Fund, is proposing to install a new water supply intake consisting of a retaining wall, intake screen, small bridge, pump station, and a new Critical Secondary Water (CSW) Facility building. A virtual public scoping open house for this project was held in July 23, 2020. **The purpose of this memorandum is to document public outreach, the July 2020 public scoping open house event, and the feedback received from the public during the open house and through the comment period that ended in August 2020.**

Public Scoping Open House Outreach.

The public was notified in advance of the open house through the following ways:

- A newspaper advertisement was published in the Daily Sitka Sentinel on July 9 and July 15, 2020.
- Poster bulletins were hung in Sitka (at the City Municipal and other frequented locations) on July 15, 2020.
- A Facebook announcement was posted online on July 20 and July 22, 2020.
- An announcement was also published on the City and Borough of Sitka's website.

Outreach materials and distribution documentation are provided in Appendix A.

Open House.

The Critical Secondary Water Supply Project public scoping open house was held on Thursday, June 23, 2020 from 6:00 pm to 7:00 pm via Zoom. Due to the COVID-19 pandemic, Zoom was utilized to host this public meeting virtually. Eleven people attended; eight participated via Zoom and three participated via telephone. The virtual open house allowed participants to join the meeting on their computers and/or telephones. The meeting was recorded and made available on the project website for those who missed the meeting or for those who participated via telephone and wanted to see the PowerPoint that was presented during the meeting.



Robin Reich (Solstice Alaska Consulting, Inc.) introduced the project, discussed the layout of the meeting, and addressed how attendees would be able to provide comments and/ or ask questions at the end of the meeting. Rebecca Venot, P.E. (CRW Engineering project engineer) described the purpose and need, project area, discussed the proposed project plans, and the anticipated project schedule. Open house figures on the PowerPoint presentation included: a flow chart of when the new CSW Facility would be used to help visualize the project's need, a photograph of the current penstock, map of the project area, two diagrams of the intake plan, and a diagram of the filter building. After the presentation was finished, attendees were given the opportunity to comment and ask questions. There were no comments or questions provided by attendees during the meeting. *The open house materials presented, sign-in sheet, and select photos are provided in Appendix A.*

Public Comments.

During the open house, attendees did not provide the project team with any written or verbal comments. Following the open house, a public comment period was open through August 24, 2020, and no written or emailed comments were received.



Appendix A

Open House Outreach

Newspaper Advertisement

City and Borough of Sitka, Critical Secondary Water Supply Project

The City and Borough of Sitka is proposing to create a critical secondary water supply. With loan funding from the Alaska Department of Environmental Conservation State Revolving Fund, the proposed project would install a new water supply intake consisting of a retaining wall, intake screen, small bridge, and pump station within and near Sawmill Creek, about 5.5 miles east of Sitka near the Gary Paxton Industrial Park (GPIP). The project also includes a new building located within GPIP. The project would ensure water availability when the existing supply via the hydropower penstock is unavailable and during times of high turbidity.

Virtual Public Meeting

A **virtual public scoping meeting** will be held to provide an overview of the proposed project, conceptual design, and environmental planning process. The meeting will include a brief presentation and question and answer discussion with the project team via Zoom online web conferencing. Participate online or via telephone. Online participation is preferred so attendees may view visual aids.

When: Thursday, July 23, 2020, 6:00pm to 7:00pm

Online: Type <https://zoom.us/jc/join/92034661859> into your browser, and enter your name when prompted. The Zoom meeting ID is 920 3466 1859. You do not need to download anything to participate.

Telephone: If you are unable to access the meeting online, dial 1-346-248-7799, and enter the meeting ID: 920 3466 1859, followed by #. Press # again when prompted for the participant identification.

The public is encouraged to submit scoping comments and information **by Monday, August 24, 2020.**

To submit comments or for more information: contact Olivia Cohn, Public Involvement, Solstice Alaska Consulting, at solsticeak@solsticeak.com or 907-929-5960. For more project details, visit the Sitka Public Works Projects website at www.cityofsitka.com/government/departments/publicworks/projects.html.

Individuals experiencing disabilities who need arrangements to participate in the meeting or need information in another format should contact Olivia Cohn **by Thursday, July 16, 2020.**

PUBLIC NOTICE

City and Borough of Sitka, Critical Secondary Water Supply Project

The City and Borough of Sitka is proposing to create a critical secondary water supply. With loan funding from the Alaska Department of Environmental Conservation State Revolving Fund, the proposed project would install a new water supply intake consisting of a retaining wall, intake screen, small bridge, and pump station within and near Sawmill Creek, about 5.5 miles east of Sitka near the Gary Paxton Industrial Park (GPIP). The project also includes a new building located within GPIP. The project would ensure water availability when the existing supply via the hydropower penstock is unavailable and during times of high turbidity.

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You do not need to download anything to participate.

Telephone: If you are unable to access the meeting online, dial 877-853-5247 and enter the meeting ID: 920 3466 1859, followed by #. Press # again when prompted for the participant identification.

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Individuals experiencing disabilities who need arrangements to participate in the meeting or need information in another format should contact Olivia Cohn **by Thursday, July 16, 2020.**

Published: July 9, 15, 2020

Affidavit of Publication

STATE OF ALASKA
FIRST JUDICIAL DISTRICT) ss.
AT SITKA, ALASKA

Kathylene Erickson, being first sworn, says she or he
is the publisher, managing editor or business manager of the DAILY SITKA
SENTINEL, a newspaper printed and published in Sitka, Alaska, and le-
gally qualified as a medium of official and legal publications, and that the
Public Notice - water supply - Solstice a copy of
which is hereto annexed, was published in the Daily Sitka Sentinel on:

7.9.20, 7.15.20, _____,
_____, _____, _____,
_____, _____, _____,
_____, _____, _____,

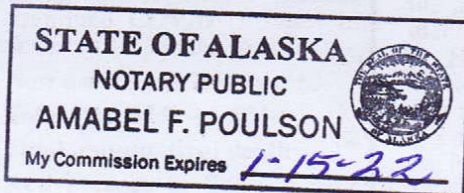
Signature [Signature]

Sworn and subscribed to

before me this 16th day of July, 2020

Notary Public for Alaska [Signature]

My commission expires _____, 20____

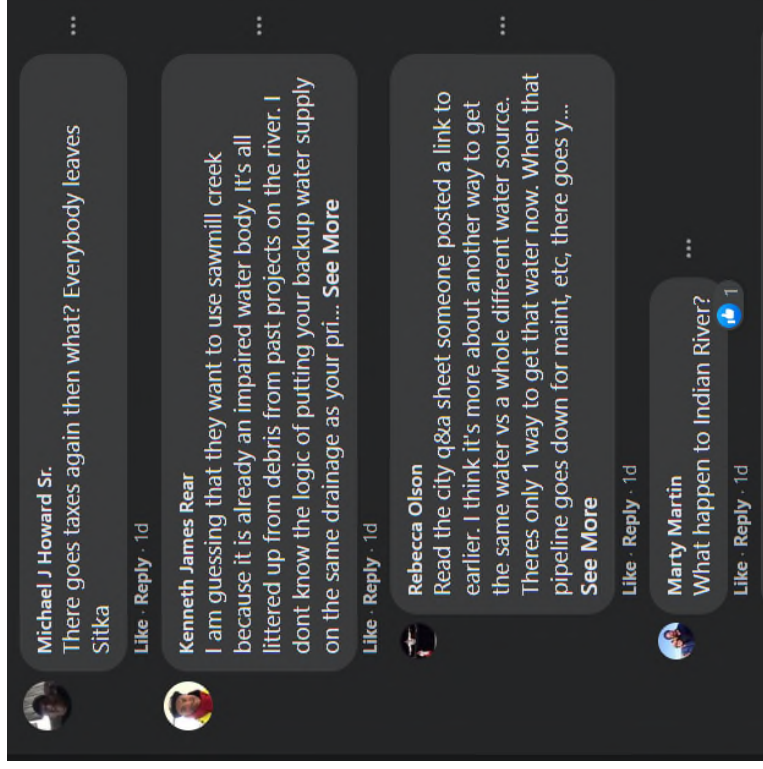
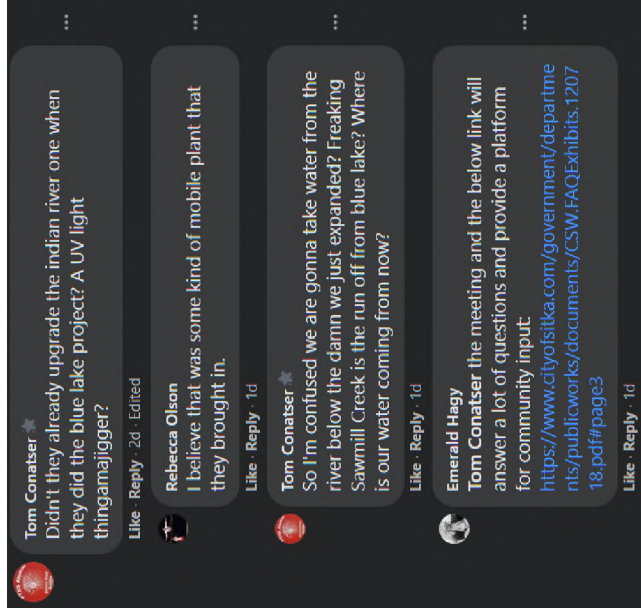


List of places where flyers were hung up on 7/15/2020:

- Mean Queen
- Crescent Harbor
- Tongass Threads
- Backdoor Café
- Silver Basin
- City Municipal Office
- KCAW Radio/BeAK Restaurant
- ANB Harbor
- LFS Marine Supplies
- USPS
- Sentinel Newspaper Office
- Cascade Gas Station
- Market Center Grocery
- SeaMart
- True Value
- Thomsen and Eliason Harbors
- Orion's Sporting Goods
- AC Lakeside
- Attempted: Centennial Hall and Library (no bulletin board due to COVID)

Sitka Chatters

- City of Sitka Post shared by Emerald on 7/18/2020



Sitka Chatters: posted 7/18/2020

Mike Smith 1d · 📍

So the new rebuilt dam was for ? This is unbelievable let's Finnish paying for the dam first

Project Initiation and Virtual Public Meeting

CRITICAL SECONDARY WATER SUPPLY PROJECT

The City and Borough of Sitka is proposing to create a critical secondary water supply. The proposed project would:

- Install a new water supply intake with a retaining wall, intake screen, small bridge, and pump station within and near Sawmill Creek, about 5.5 miles east of Sitka
- construct a new building located within Gary Paxton Industrial Park
- ensure water availability when current supply is unavailable or has high turbidity

We want your feedback – attend the virtual meeting and submit comments via the contacts listed below by **Monday, August 24, 2020**.

A VIRTUAL PUBLIC SCOPING MEETING WILL OCCUR ON THURSDAY, JULY 23, 2020 FROM 6 PM – 7 PM

It will include a brief presentation and project Q&A

Individuals experiencing disabilities who need information in another format should contact Olivia Cohn (below) by **Thursday, July 23, 2020**.

Join online or via telephone!

- Online: Go to <https://zoom.us/j/90732925960>, enter your name when prompted. The meeting ID is 907 329 25960. Online participation is preferred so attendees may view visual aids
- Telephone: If unable to access the meeting online, call 907 329 25960. The meeting ID: 907 329 25960. Join by a Pin # again when prompted for the participant ID

Project Contacts

Olivia Cohn
Public Involvement
Solstice Alaska Consulting
solsticeak@solsticeak.com
907.929.5960

Rebecca Venot
Project Engineer
CRW Engineering
rvenot@crweng.com
907.646.5613

Visit www.cityofsitka.com/government/departments/publicworks/projects.html for more information!

Erik de Jong 3
This is water supply for drinking water, not for power generation.
Like · Reply · 1d

Mike Smith 3
Didn't we have a water bottling company out there a while back?? Pretty sure we have sufficient drinking water
Like · Reply · 1d

Ronald Owens 2
I doubt we ever pay the dam off.
Like · Reply · 1d

Travis Allensworth 1
I bet this water thing gets piped straight to silver bay seafoods
Like · Reply · 1d

Tom Conatser 1
So, and call me crazy, if we're trying to get a secondary water supply in case somehow Loki takes a dump in blue lake, wouldn't we want an actual second water supply? I mean a second straw into the same mud puddle still slurps the same beaver fever.
Like · Reply · 1d

Theodore Laufenberg 1
Tom Conatser Crazy... Yep, yah, yes Indian River or
Like · Reply · 1d

Lori Lawson 1
What's up with green lake, use it!
Like · Reply · 16h

City and Borough of Sitka

3d • 6

Project Initiation and Virtual Public Meeting CRITICAL SECONDARY WATER SUPPLY PROJECT

The City and Borough of Sitka is proposing to **create a critical secondary water supply**. The proposed project would:

- **install a new water supply intake** with a retaining wall, intake screen, small bridge, and pump station within and near Sawmill Creek, about 5.5 miles east of Sitka
- **construct a new building** located within Gary Paxton Industrial Park
- **ensure water availability** when current supply is unavailable or has high turbidity

We want your feedback – attend the virtual meeting and submit comments via the contacts listed below **by Monday, August 24, 2020**.

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**THURSDAY, JULY 23, 2020
FROM 6 PM – 7 PM**

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

Individuals experiencing disabilities who need information in another format should contact Olivia Coin (below) **by Thursday, July 16, 2020**.

Project Contacts





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Rebecca Venot
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CRW Engineering
venot@crweng.com
907.646.5613

Visit www.cityofsitka.com/government/departments/publicworks/projects.html

Most Relevant ▾

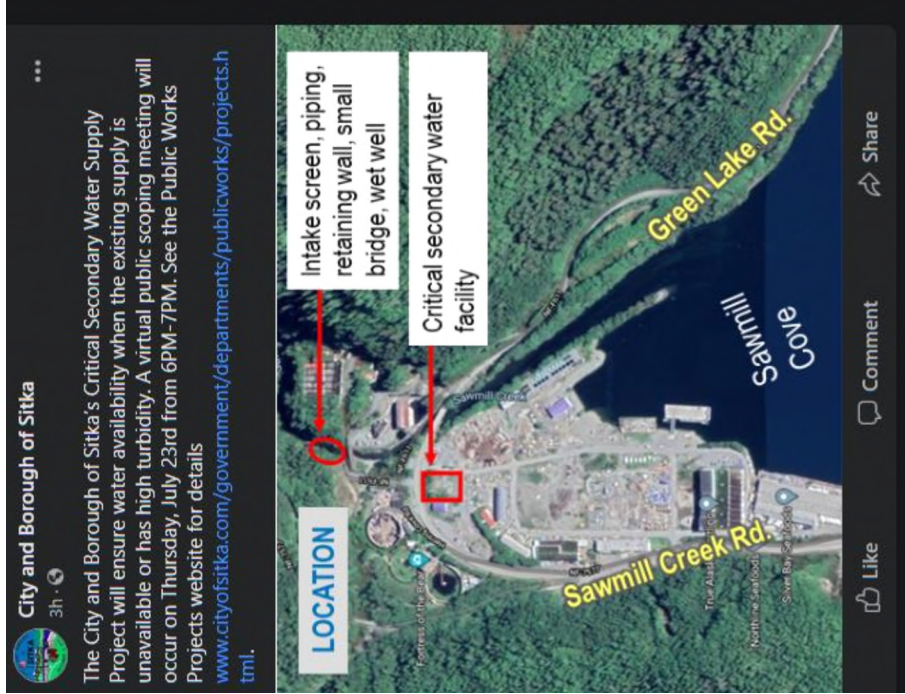
Write a comment...

Joseph C. Anselm
How much and who (besides the taxpayers) is going to pay for it?

Like · Reply · 3d

Write a comment...

City of Sitka Facebook Post (7/20/2020)



Project Initiation and Virtual Public Meeting

CRITICAL SECONDARY WATER SUPPLY PROJECT



The City and Borough of Sitka is proposing to **create a critical secondary water supply**. The proposed project would:

- **install a new water supply intake** with a retaining wall, intake screen, small bridge, and pump station within and near Sawmill Creek, about 5.5 miles east of Sitka
- **construct a new building** located within Gary Paxton Industrial Park
- **ensure water availability** when current supply is unavailable or has high turbidity

We want your feedback – attend the virtual meeting and submit comments via the contacts listed below **by Monday, August 24, 2020.**

A VIRTUAL PUBLIC
SCOPING MEETING WILL
OCCUR ON

THURSDAY, JULY 23, 2020
FROM 6 PM – 7 PM

It will include a brief
presentation and project Q&A

Join online or via telephone!

- **Online:** Go to <https://zoom.us/jc/join/92034661859>, enter your name when prompted. The meeting ID is 920 3466 1859. Online participation is preferred so attendees may view visual aids
- **Telephone:** If unable to access the meeting online, dial 1-346-248-7799, enter the meeting ID: 920 3466 1859, followed by #. Press # again when prompted for the participant ID

Individuals experiencing disabilities who need information in another format should contact Olivia Cohn (below) **by Thursday, July 16, 2020.**

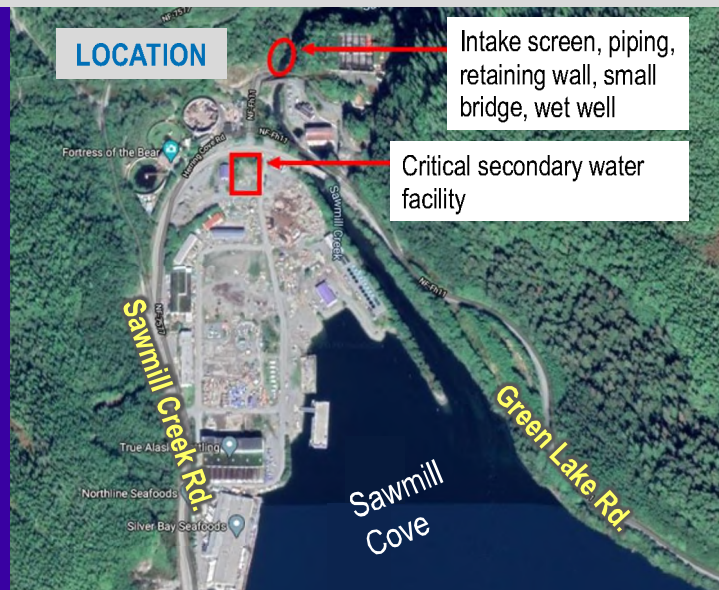
Project Contacts



Olivia Cohn
Public Involvement
Solstice Alaska Consulting
solsticeak@solsticeak.com
907.929.5960



Rebecca Venot
Project Engineer
CRW Engineering
rvenot@crweng.com
907.646.5613



Visit www.cityofsitka.com/government/departments/publicworks/projects.html
for more information!

Open House Documentation

Meeting Notes 7/23

Meeting Participants

1. Solstice Olivia
2. Robin
3. Rebecca
4. Sarah Rygh
5. Steven Hebnes
6. Amanda
7. Shilo Williams
8. 303-912-3856
9. Adam
10. 907-646-5673 – left early
11. 907-738-1782 - Dave

Materials Presented



CRITICAL SECONDARY WATER SUPPLY PROJECT

Virtual Public Meeting

Welcome

Please hold while we wait to start the meeting....



Virtual Meeting Agenda

- Zoom “How To”
- Introduction of Project Team
- Project Need
- Design Overview
- Project Schedule
- Questions and Answers



Virtual Public Meeting Basics

Presentation followed by Q&A

TO ASK A QUESTION

From your computer or smart phone

Click on “Participants” icon and select “Raise Hand.” Wait for the us to unmute and call on you.

or

Click on “Chat” icon and type your question. We will read your question aloud.

From the telephone

Dial *9 to raise your hand, and wait for us to call on you.



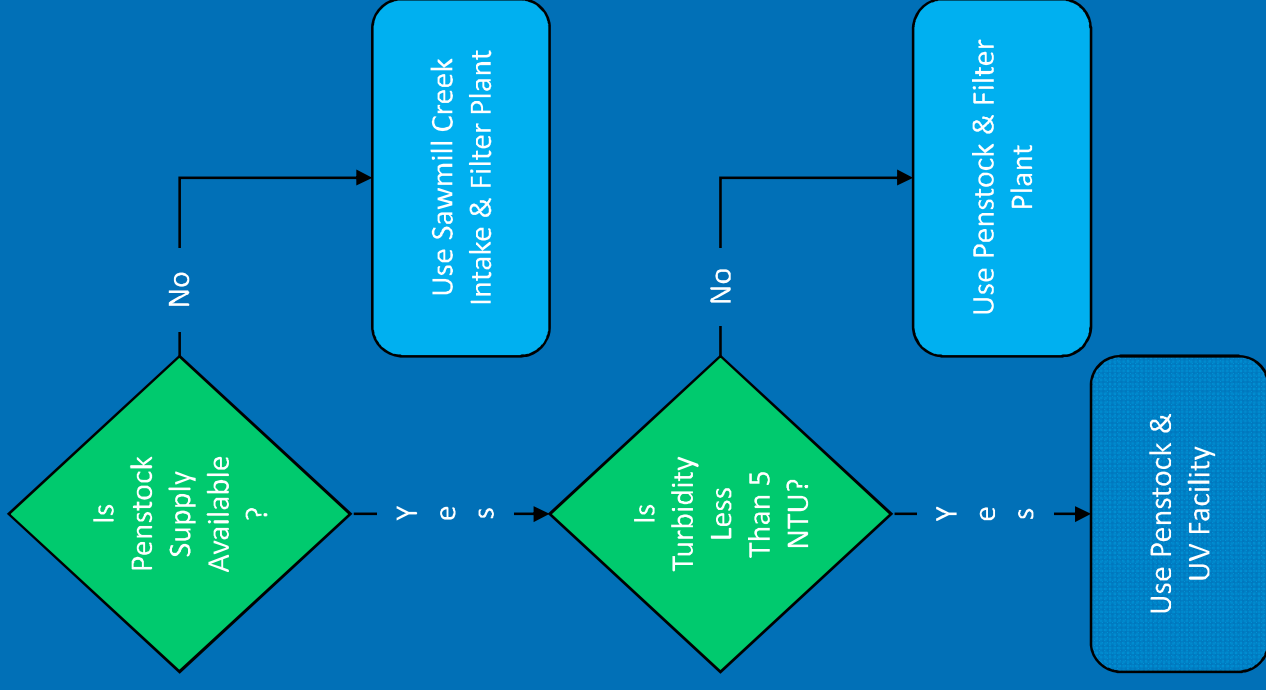
Project Purpose

Construct new drinking water infrastructure:

- Intake in Sawmill Creek
- Membrane Filtration Plant

System will be used:

- When existing penstock is out of service
- When turbidity is high





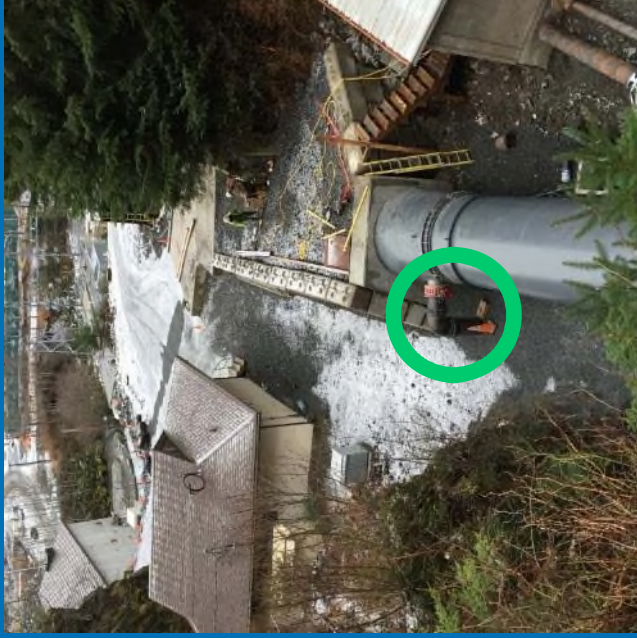
Project Need

Penstock Outages

- Required every 5 years to inspect hydropower facility penstock
- Penstock supplies water to CBS municipal system

Turbidity Events

- Water system required to meet strict water quality regulations
 - Turbidity must not exceed 5 NTU more than:
 - 2 times in 12 months
 - 5 times in 120 months
- 3 turbidity events have occurred in the past 3 years
- Generally occur during storms, can occur from hydro facility operations
- City can't control timing or duration

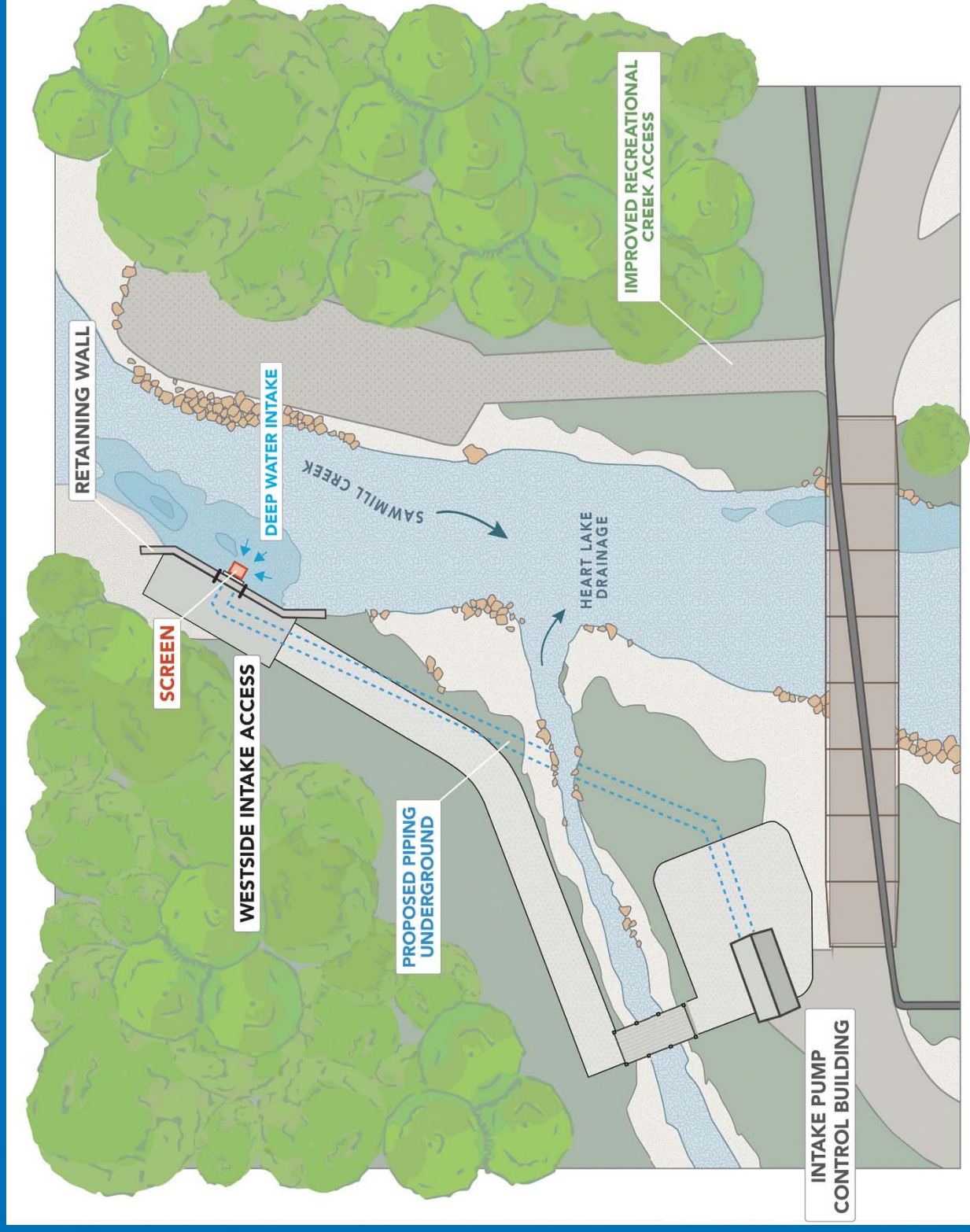


Project Area

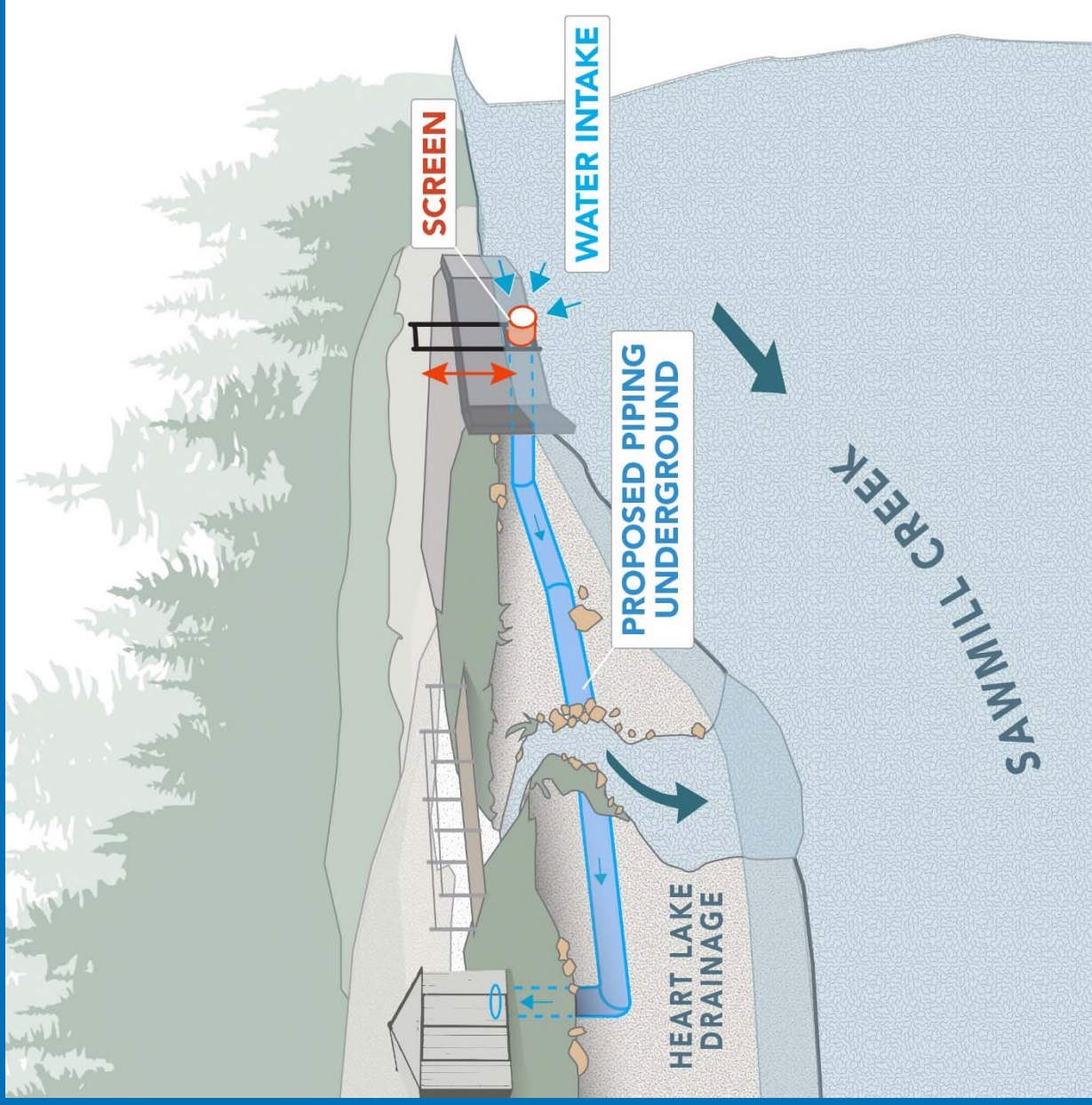
SITKA. SAWMILL CREEK
Project Area



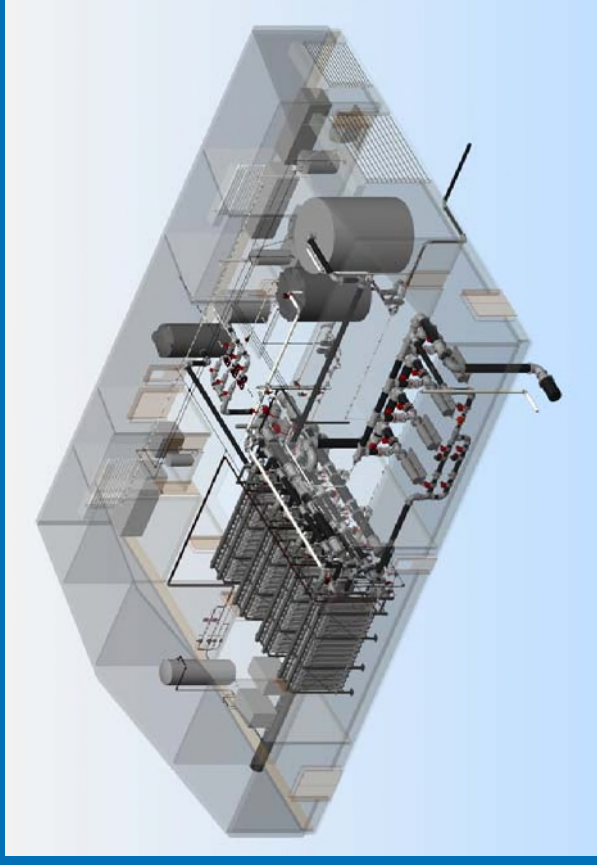
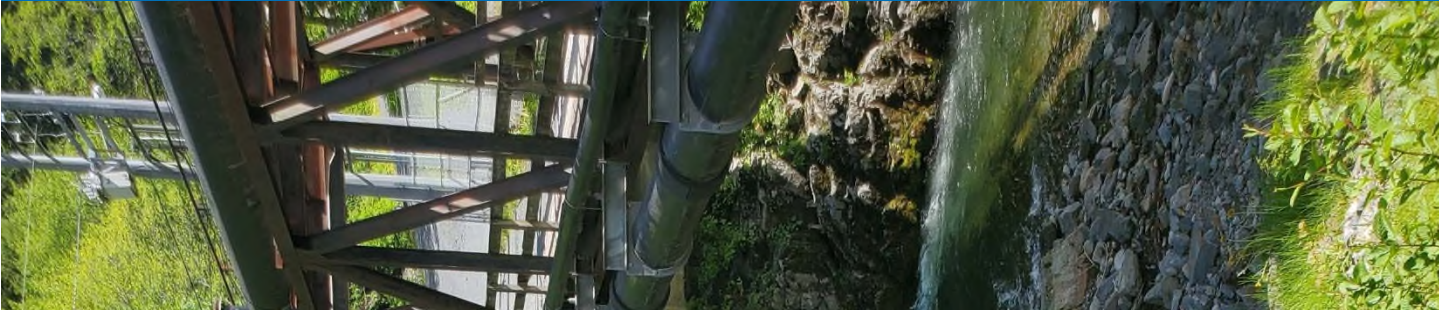
Project Plan – Intake



Project Plan – Intake



Project Plan – Filter Building



PROJECT SCHEDULE

- Design: Through Late 2020
- Bidding: Early 2021
- Construction: 2021-mid 2022





QUESTIONS?

From your computer or smart phone

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or

Click on **“Chat” icon** and type your question. We will read your question aloud.

From the telephone

Dial ***9** to raise your hand, and wait for us to call on you.



WE WANT TO HEAR FROM YOU

**Send questions and feedback
through August 24, 2020 to:**

**solsticeak@solsticeak.com
907-929-5960**