

Development Plan

Relocation of Short Portion of ADL 107619

GCICC Submarine Cable Stikine Straits Alaska

GCI Installed a submarine fiber-optic system through SE Alaska under ADL 107619. A section of this fiber optic cable located between Ketchikan and Wrangell, crosses over four power cables owned by Southeast Alaska Power Authority (SEAPA) in the Stikine Straits. SEAPA suffered a failure of one of these four cables and is requesting GCI to remove the fiber-optic cable from its current position over the power cables. GCI is willing to accommodate SEAPA's requests but is seeking approval to relocate the cable from the permitted easement granted to GCI by the State of Alaska Department of Natural Resources (DNR). The new location of the cable will be in Chichagof Passage and will avoid future conflicts with SEAPA cables in Stikine Straits.

Nearly the entire action of cable recovery and subsequent re-deployment of the submarine cable happens within State submerged lands. The near shore waters are owned by the City of Wrangell, as well as the uplands. These are comprised of land parcel 03-007-499 plat 99-8 and land parcel 03-009-240 plat 98-14. GCI is actively pursuing easements and rights to construct the fiber landing across these two parcels. The USACE is being consulted to provide GCI with a construction permit for the construction.

Prior to any construction activities, GCI will have a detailed marine survey performed in Chichagof Passage to identify a safe route for the cable and ensure the cable avoids any obstacles, such as derelict sunken vessels or barges, steep bottom contours and hard rocky bottom. Once there is the final design, a cable lay plan will be developed and the cable slack plan will be engineered to allow the cable to conform to the bottom. Next, the cable vault and the conduit leading back to existing GCI terrestrial fiber will be constructed. This work will all be on City of Wrangell land.

Once all permits are in hand, the standby repair vessel based in Victoria BC Canada, will be mobilized to Wrangell. The cable will be cut and a recovery line attached as close as feasible to the current cable landing at Wrangell. This will be done with the aid of local divers. These divers will also be used to remove the cable from this point back to the beach. The CS Cable Innovator will recover approximately 23 km of the cable towards Ketchikan along the west shoreline of Woronkofski Island. The ship will test the recovered cable to ensure it is in good working order. Any damaged cable will be cut out and replaced with spare cable from the original installation as required. The cable will then be deployed along the surveyed route in Chichagof Passage to the landing point at Shoemaker Cove. The cable will be carefully deployed to ensure the cable is laid out with the engineered slack to ensure the cable conforms to the bottom. The cable will be surfaced lay as was the original installation.

The ship will stop in approximately 20 meter water depth of the Shoemaker Cove landing site, which is approximately 1600 ft from the beach. The vessel will hold station with DP positioning. The cable will then be floated to shore. The cable end will be brought into the pre-installed beach cable vault and secured. The submarine cable will be spliced to GCI terrestrial cable at this point. The cable will be

buried in the intertidal zone for protection. This work will be performed on City Land after obtaining the associated permits from the City of Wrangell and the USACE.

The cable will be tested and if all results are satisfactory, the vessel will be released to return to standby in Victoria. The duration of the work is estimated to be 3 to 4 days. The cable as-laid data will be provided to the DNR as well as to NOAA Charting services. The original easement of the relocated cable can be released back to the state and the new route added. There will be a small incremental increase to the overall length of ADL 107619. The relocated cable will avoid all crossings of the SEAPA power cables and avoid all future conflicts in the Stikine Straits.

The relocated portion of the route is 61,490 ft and crosses the following sections:

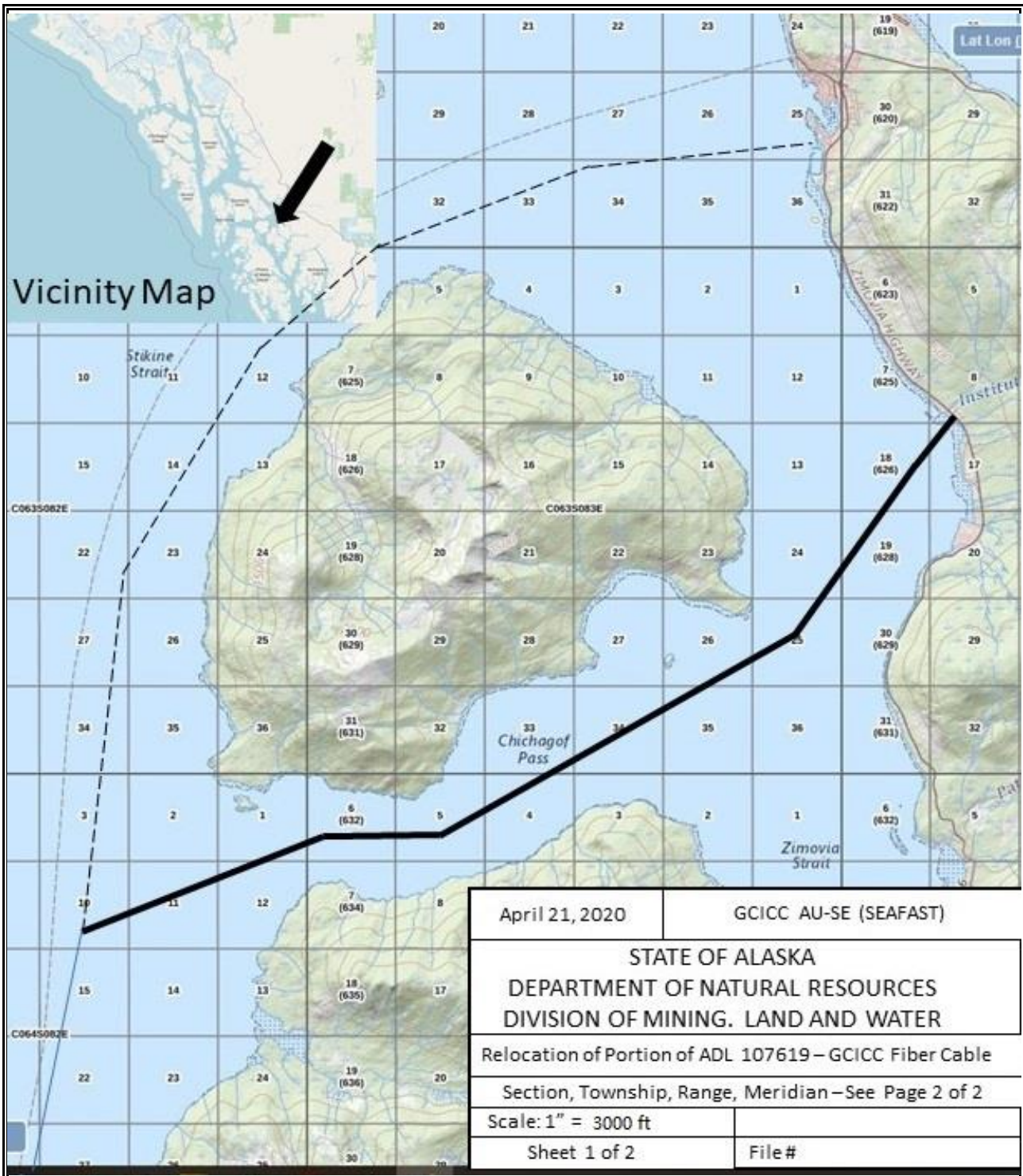
Sections 1, 10, 11, 12 - Township 64 S Range 82 E Meridian Cooper River

Sections 4, 5, 6 - Township 64 S Range 83 E Meridian Cooper River

Sections 24, 25, 26, 33, 34, 35 - Township 63 S Range 83 E Meridian Cooper River

Sections 8, 17, 18, 19 - Township 63 S Range 84 E Meridian Cooper River

Further detail and information on the Development plan can be requested from Bruce Rein at GCI. Bruce Rein at brein@gci.com or 907 868 5633.



April 21, 2020	GCICC AU-SE (SEAFAST)
STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINING, LAND AND WATER	
Relocation of Portion of ADL 107619 – GCICC Fiber Cable	
Section, Township, Range, Meridian – See Page 2 of 2	
Scale: 1" = 3000 ft	
Sheet 1 of 2	File #

Proposed Relocation will transite the following sections -

Sections : 1, 10, 11, 12 Township 64 S Range 82 E Meridian Cooper River

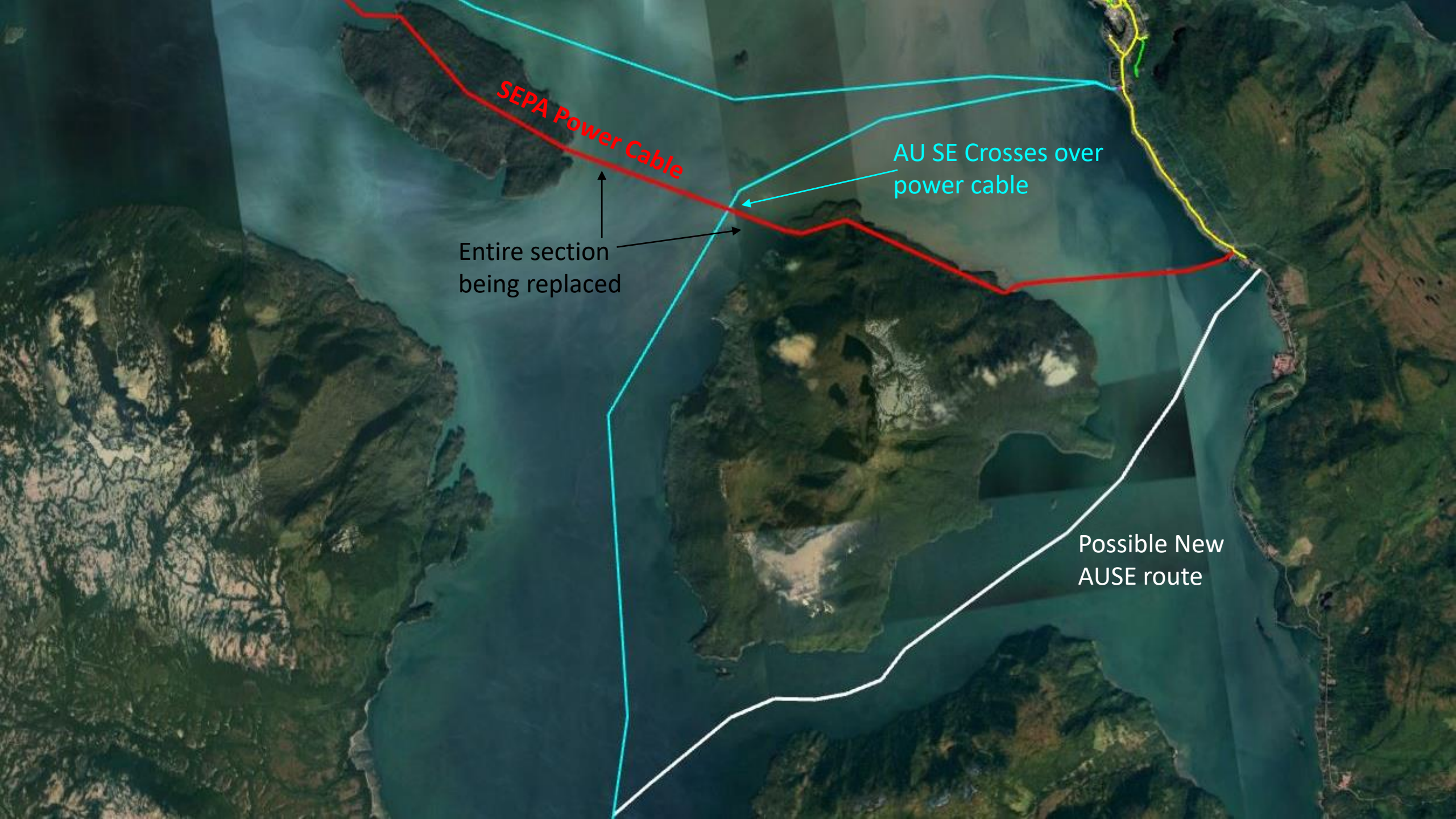
Sections : 4, 5, 6 Township 64 S Range 83 E Meridian Cooper River

Sections : 24,25,26,33,34,35 Township 63 S Range 83 E Meridian Cooper River

Sections : 8, 17, 18, 19 Township 63 S Range 84 E Meridian Cooper River

Note: Heavy line represents proposed new location for the GCI submarine fiber optic cable, Dotted line represents the current GCI submarine cable that will be recovered from the seafloor if relocation is approved

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Scale: 1" =	
Sheet 2 of 2	File #



SEPA Power Cable

AU SE Crosses over power cable

Entire section being replaced

Possible New AUSE route

Alaska Mapper

Spherical Mercator WGS 84 - EPSG:3857
Date Created: 4/30/2020

Legend:

-  = Current easement & cable
-  = Location of recovery & redeployment



GRAPHIC ILLUSTRATION ONLY
Source documents remain the official record. Please refer to the Land Administration System (LAS) casefile for more detailed information on specific cases.
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