

**PACIFICORP
LASSEN SUBSTATION PROJECT
MINOR PROJECT REFINEMENT
REQUEST FORM**

Date Submitted:	10/12/2022	Request #:	Minor Project Refinement Request #1
Date Approval Required:	10/21/2022	Landowner:	
APN:			
Refinement from (check all that apply):			
<input type="checkbox"/> Mitigation Measure	<input type="checkbox"/> APM	<input checked="" type="checkbox"/> Project Description	<input type="checkbox"/> Drawing <input type="checkbox"/> Other
Identify source (mitigation measure, project description, etc.):			
<p>PacifiCorp plans work in areas not previously included in Project plans. Minor Project Refinement (MPR) areas are required due to changes between the preliminary design presented in Notice to Proceed (NTP)#2, final design and requirements needed by the contractor to finish construction. All Applicant Proposed Measures (APMs) and mitigation measures (MMs) defined in the Project's Mitigation Monitoring, Compliance, and Reporting Program—as well as other permit and plan conditions—will be implemented as applicable to minimize or mitigate for any additional impacts.</p>			
Attachments (check all that apply):			
<input type="checkbox"/> Refinement Screening Form (see Attachment A)	<input type="checkbox"/> Photos	<input checked="" type="checkbox"/> Maps	<input type="checkbox"/> Other
<p>As identified in Section 3.2 of the MMCRP, the CPUC may approve minor project refinements under certain circumstances. In accordance with Section 3.2 of the MMCRP, respond “yes” or “no” to the following questions (a) through (d).</p>			
<p>(a) Is the proposed refinement outside the geographic boundary of the IS/MND study area? No. The requested refinements are located within the geographic boundary of the IS/MND study area and within the biological survey areas (BSA).</p>			
<p>(b) Will the proposed refinement result in a new significant impact or a substantial increase in the severity of a previously identified significant impact based on the criteria used in the IS/MND? No</p>			
<p>(c) Does the proposed refinement conflict with any mitigation measure or applicable law or policy? No</p>			
<p>(d) Does the proposed refinement trigger an additional permit requirement? No</p>			
Describe refinement being requested (attach drawings and photos as needed):			
<p>PacifiCorp requests authorization from the CPUC for an MPR for the following activities not previously included in the NTP #2:</p> <ul style="list-style-type: none"> • In order to access pole locations between the Mt. Shasta Substation (old) and the new Lassen Substation, additional access areas are required. To avoid potential impacts from temporary access to wetland areas, high density polyethylene (HDPE) driving mats will be placed along the temporary access in accordance with APM BIO-5 (refer to Figure 1). • In order to complete work at Pole 10/48 and install necessary equipment on the transmission line, PacifiCorp needs additional temporary access area adjacent to and north of pole 10/48. 			

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Provide need for refinement (attach drawings and photos as needed):					
The requested refinements described in this MPR are required due to changes between the design presented in NTP #2 and the final design. In order to energize the new Lassen Substation, PacifiCorp needs to make adjustments in the plans related to new access areas illustrated on Figure 1, Minor Project Refinement #1 and Attachment 1, Photographs.					
Date refinement is expected to be implemented:					
PacifiCorp Approvals					
Title	Name	Approval Initials	Date	Conditions (see attached)	
Senior Engineering/Operations Project Manager	Joseph Kathol	JK	10/12/22	<input type="checkbox"/> Yes	<input type="checkbox"/> No
				<input type="checkbox"/> Yes	<input type="checkbox"/> No
Landowner Approval (if required)					
Landowner Name		Signature or Other Consent (see attached)		Date	
N/A					
Resource Agency Coordination					
Resource Agency	Name	Action Required	Date	Documentation (see attached if yes)	
CPUC	Michael Rosauer	Approval		<input type="checkbox"/> Yes	<input type="checkbox"/> No
				<input type="checkbox"/> Yes	<input type="checkbox"/> No
				<input type="checkbox"/> Yes	<input type="checkbox"/> No

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MINOR PROJECT REFINEMENT REQUEST SCREENING FORM

RESOURCE EVALUATION

The proposed minor project refinement was evaluated to verify that the minor project refinement would not result in a new significant impact or a substantial increase in the severity of a previously identified impact based on the Final Initial Study and Mitigated Negative Declaration (IS/MND). The following checklist provides a brief summary of the potential impact for each resource area analyzed in the IS/MND.

RESOURCE EVALUATION CHECKLIST			
Would the proposed action(s) result in a new impact, or increase the severity of a previously analyzed impact to:	No Change	Potentially Significant Change	N/A
Aesthetics	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activities associated with the requested MPR areas (e.g., the type of equipment used) would be consistent with those discussed in the MND. The requested MPRs will slightly alter the location of construction equipment during construction activities; however, construction activities will be temporary and cease upon Project completion. The proposed activities would not result in a new impact or increase the severity of a previously analyzed impact on aesthetics.			
Agriculture and Forestry Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The requested MPRs occur on land mapped as “Other Land” by the Farmland Mapping and Monitoring Program, and are not located on land zoned for forestland, timberland, or timberland zoned for Timberland Production. The requested MPRs would not result in a new impact or increase in the severity of a previously analyzed impact to agricultural or forestry as identified in the IS/MND.			
Air Quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activities associated the requested MPRs (e.g., the type of equipment used and the number of truck trips) would be consistent with those discussed in the IS/MND and would not likely result in fugitive dust due to the use of driving mats and no new grading activities. The requested MPRs would not result in a new impact or an increase in the severity of a previously analyzed impact to air quality as identified in the IS/MND.			
Biological Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>The requested MPR areas have been previously surveyed for sensitive vegetation communities and special-status plant and wildlife species during Project surveys. The BSA in which surveys were conducted included the immediate Project area (footprint of disturbance) and all areas within 250 feet of the existing and proposed substation, existing and proposed transmission/distribution lines, and within 50 feet of existing and temporary access roads that would encompass sufficient area to assess the potential for indirect effects from site preparation activities and construction. The proposed actions would not result in a new impact or increase the severity of a previously analyzed impact on biological resources as identified in the IS/MND.</p> <p>The following biological surveys and reports were conducted for the proposed Project:</p> <ul style="list-style-type: none"> • Biological Resources Habitat Assessment, 2015 • Botanical Survey Report, 2016 • Pre-construction Botanical Survey Report, 2017 • Avian Survey Report, 2016 • Willow Flycatcher Survey Report, 2019 • Willow Flycatcher Survey Report, 2022 			

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- Bat Survey Memo, 2017
- Bat Survey Memo, 2019
- Jurisdictional Delineation, 2015

Special-Status Plants

As discussed in the IS/MND, 24 special-status plant species were determined to have potential to occur within the BSA and immediate Project area based on habitat suitability, elevation, soils, and proximity to known recorded occurrences of the species. None of these 24 plant species are federally or state-listed as threatened or endangered.

With implementation of APM-BIO-1 (pre-construction surveys), special-status plants located during pre-construction surveys or during construction will be avoided to the fullest extent feasible. No special-status plant species were detected within the BSA during the 2017 pre-construction botanical surveys.

Special-Status Wildlife

Reptiles and Amphibians

As discussed in the IS/MND, one special-status amphibian species, Cascades frog (*Rana cascadae*; state Species of Special Concern), has a moderate potential to occur within the BSA. Construction disturbances associated with the Project could potentially crush individual frogs on the ground surface, within burrows, or sequestered beneath surface debris and rocks. With implementation of APM-BIO-1 (pre-construction surveys), APM-BIO-3 (minimize vegetation impacts), APM-BIO-4 (minimize riparian disturbance), APM-BIO-5 (temporary access to wetlands), APM-BIO-6 (Environmental Monitor during construction activities and consultation with CDFW regarding avoidance measures if a special-status species is located within proposed disturbance areas), APM-BIO-8 (WEAP), and APM-BIO-10 (restriction to established roadways and access routes), significant adverse impacts to this special-status amphibian are expected to be avoided.

Raptors

As discussed in the IS/MND, four species of raptors have a low potential to occur within the BSA: bald eagle (*Haliaeetus leucocephalus*), osprey (*Pandion haliaetus*), northern goshawk (*Accipiter gentilis*), and Swainson's hawk (*Buteo swainsoni*). All four of these raptors are only expected to use the BSA and Project area for occasional foraging and/or roosting, or to fly over the site during transit to other preferred foraging areas or during movement periods.

With implementation of APM-BIO-1 (preconstruction surveys), APM-BIO-6 (Environmental Monitor during construction activities and consultation with CDFW regarding avoidance measures), APM-BIO-7 (avoid impacts to active nests, should any occur), APM-BIO-8 (Worker Environmental Awareness Program), and because none of these special-status raptors are expected to nest within the BSA, adverse impacts to these special-status raptor species, as well as common raptor species, will be avoided.

Nesting Birds

Suitable foraging habitat exists for two non-raptorial special-status bird species (willow flycatcher and great blue heron) with some potential to occur in the BSA. The great blue heron is not expected to nest in or adjacent to the BSA or the immediate Project area due to the lack of suitable trees for this colonially nesting species within the BSA.

Some riparian scrub and wet meadow habitat suitable for willow flycatcher nesting occurs within and adjacent to portions of the BSA. Willow flycatcher surveys were conducted in 2019 and 2022. The second and final round of willow flycatcher surveys did not detect any flycatchers. However, there was one singing willow flycatcher detected during the previous round, and the survey protocol states that willow flycatchers detected during the June 15-25 survey period, but not during the June 26-July 15 survey period, should be considered present for that survey year. In accordance with APM BIO-12, PacifiCorp implemented a 500-foot avoidance buffer around the

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detection location (north of Lake Avenue and east of Interstate 5) until August 31. All other potentially suitable willow flycatcher habitat in the Project area should be considered unoccupied and cleared for construction this year. As construction activities for the requested MPRs areas are outside of the breeding/nesting season, no impact would occur to nesting birds.

Mammals

As discussed in the IS/MND three special-status bat species have some potential to occur in the BSA: spotted bat (*Euderma maculatum*), western mastiff bat (*Eumops perotis californicus*), and silver-haired bat (*Lasionycteris noctivagans*). Spotted bats could forage over the open areas of the site and possibly roost in the existing substation that will be removed. Western mastiff bat and silver-haired bat could also forage over the open areas of the site as well as in on-site woodlands. These species could also roost on the larger trees in the BSA and the immediate Project area. Pursuant to APM-BIO-1, focused surveys for roosts of these species have been conducted prior to the initiation of construction activities. With implementation of APM-BIO-1, APM-BIO-6 (monitors during construction to ensure avoidance of impacts), and APM-BIO-8 (WEAP), no adverse impacts to these bat species are expected to occur.

Invertebrates

Six invertebrate species have some potential to occur in the BSA: Suckley’s cuckoo bumblebee (*Bombus suckleyi*), confusion caddisfly (*Cryptochia shasta*), Castle Crags rhyacophilan caddisfly (*Rhyacophila lineata*), bilobed rhyacophilan caddisfly (*R. mosana*), Siskiyou hesperian (*Vespericola sierranus*), and leaden slug (*Hesperarion plumbeus*). Five of these species are associated with creeks and other wet areas, while the bumblebee is a nest parasite and occurs where other bumblebees occur. With implementation of APM-BIO-4 (avoidance of streambeds and banks), APM-BIO-5 (use of driving mats and portable road platforms to minimize impacts to wetlands and streams), APM-BIO-6 (Environmental Monitor during construction activities and consultation with CDFW regarding avoidance measures), APM-BIO-8 (WEAP), and APM-BIO-10 (restriction to established roadways and access routes), no adverse impacts to these species are expected to occur.

Wetlands

To avoid potential impacts from temporary access to wetland areas, HDPE driving mats will be placed along the temporary access as indicated in Figure 1 in accordance with APM BIO-5.

Impacts to the biological resources listed above were analyzed in the IS/MND; and all APMs and MMs defined in the Project’s Mitigation Monitoring, Compliance, and Reporting Program—as well as other permit and plan conditions—will be implemented as applicable to minimize or mitigate for any additional impacts. Thus, the requested MPRs would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to biological resources and wetland resources as identified in the IS/MND.

Cultural Resources

<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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The requested MPR area has been thoroughly surveyed and evaluated to identify any potential resources. The Cultural Resources Surveys were conducted in 2011 and 2015. Nineteen cultural resources were identified within 0.5 mile of the Project area; however, none are located within the right-of-way of the Project. Cultural surveys identified two cultural resources including a house from 1960 and an isolated piece of pipe from the early twentieth century. Neither resource is within the requested MPR area.

As discussed in the IS/MND, the region has been subject to reoccurring natural disturbances and burial by Mount Shasta, which has erupted approximately every 600 years since at least the last 8,000 years. Geological evidence suggests that fossilized paleontological resources are unlikely to be present, persist, or be encountered during construction; therefore, no impact would occur.

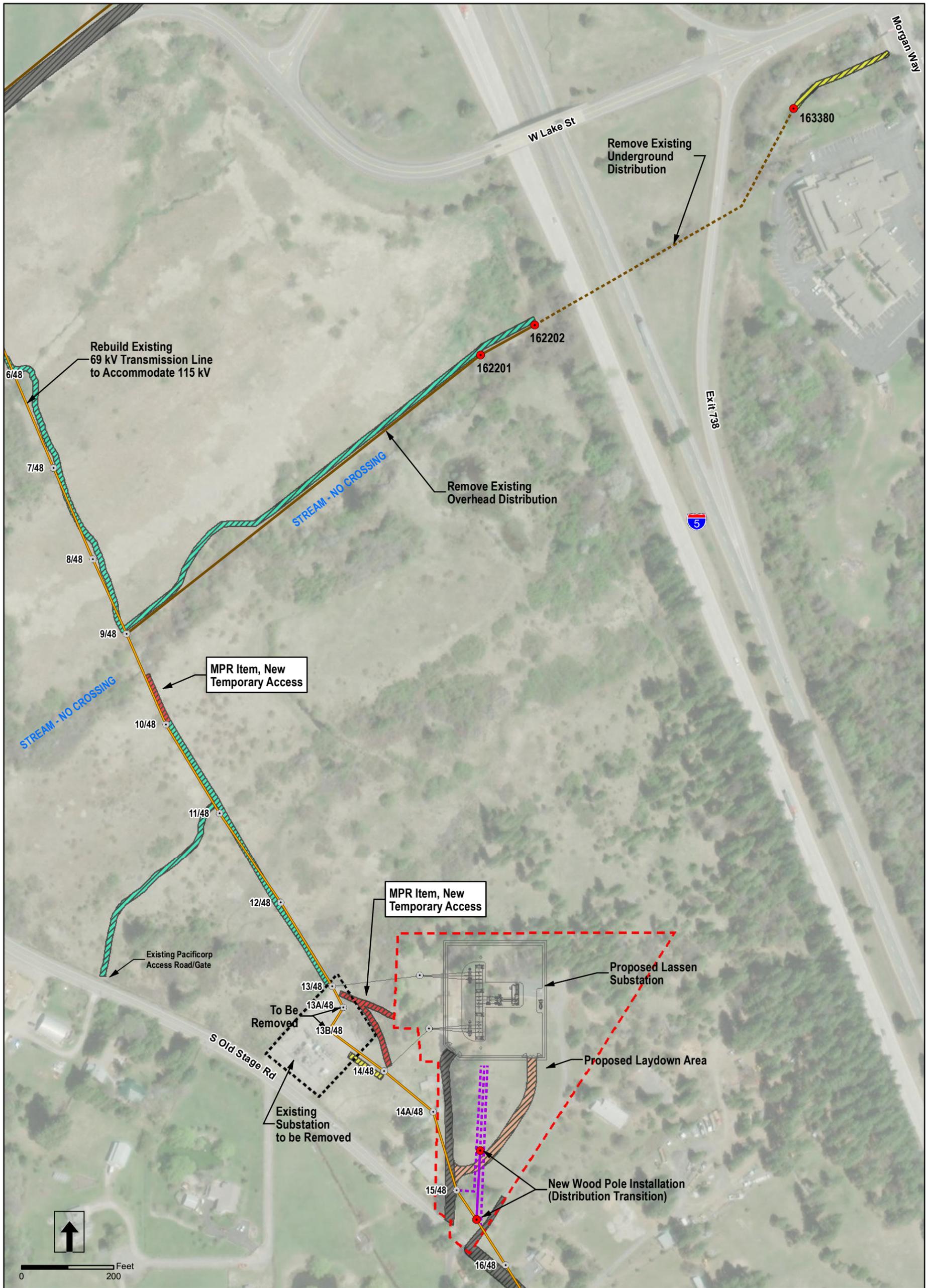
The requested refinements would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to cultural resources or paleontological resources as identified in the IS/MND.

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Geology and Soils	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The requested MPRs would not include any grading or earth moving activities; therefore the activities would not create or increase any previously disclosed impacts related to fault rupture, seismic-related ground failure, landslides, liquefaction, subsidence or expansive soil analyzed in the IS/MND. The requested refinements would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to geology and soils as identified in the IS/MND.			
Greenhouse Gas Emissions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The proposed activities associated with the requested MPRs would not result in an increase in the level of equipment use and run time of the equipment. Emission estimates in the IS/MND would remain accurate. APM-AQ-1 would continue to ensure that any impacts from emissions would remain less than significant. The requested MPRs would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to greenhouse gas emissions as identified in the IS/MND.			
Hazards and Hazardous Materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The requested MPRs would not change the routine transport, use, and disposal of hazardous materials or the fire risk analyzed in the IS/MND. The requested refinements would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to hazards and hazardous materials as identified in the IS/MND.			
Hydrology and Water Quality	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The requested MPRs would not alter impacts related to water quality, groundwater resources, would not alter existing drainage patterns, would not contribute to runoff, or expose people of structures to flood hazards analyzed in the IS/MND. The requested refinements would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to hydrology and water quality identified in the IS/MND. To avoid potential impacts from temporary access to wetland areas, HDPE driving mats will be placed along the temporary access in accordance with APM BIO-5 (refer to Figure 1).			
Land Use and Planning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The requested MPRs would be placed within properties previously identified within the IS/MND and would have no impact relative to land use nor will the refinements conflict with applicable land use plans or habitat conservation plans. The requested refinements would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to land use as identified in the IS/MND.			
Mineral Resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
No mineral resources are known to occur at the in the Project area, therefore the requested MPRs would not result in impacts to mineral resources or change the impact analysis identified in the IS/MND.			
Noise	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activities associated the requested MPRs (e.g., the type of equipment used and the number of truck trips) would be consistent with those identified in the IS/MND and would not increase noise levels beyond what was previously analyzed. The requested MPRs would not result in a new impact or an increase in the severity of a previously analyzed impact related to noise as identified in the IS/MND.			
Population and Housing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The requested refinements would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to population and housing as identified in the IS/MND.			
Public Services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The requested refinements would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to public services as identified in the IS/MND.			

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Recreation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The requested refinements would not result in a new significant impact or a substantial increase in the severity of a previously analyzed impact to recreation as identified in the IS/MND.			
Traffic and Transportation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Activities associated the requested MPRs (e.g., the type of equipment used and the number of truck trips) would be consistent with those identified in the IS/MND and will not increase traffic or truck trips beyond what was previously analyzed. The requested MPRs would not result in a new impact or an increase in the severity of a previously analyzed impact related to transportation and traffic as identified in the IS/MND.			
Utilities and Service Systems	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The proposed activities would not include wastewater treatment facilities, the construction or expansion of water or stormwater drainage facilities, require additional water entitlements, or create new solid waste disposal needs. The proposed activities would not result in a new impact or increase the severity of a previously analyzed impact on utilities and service systems as identified in the IS/MND.			



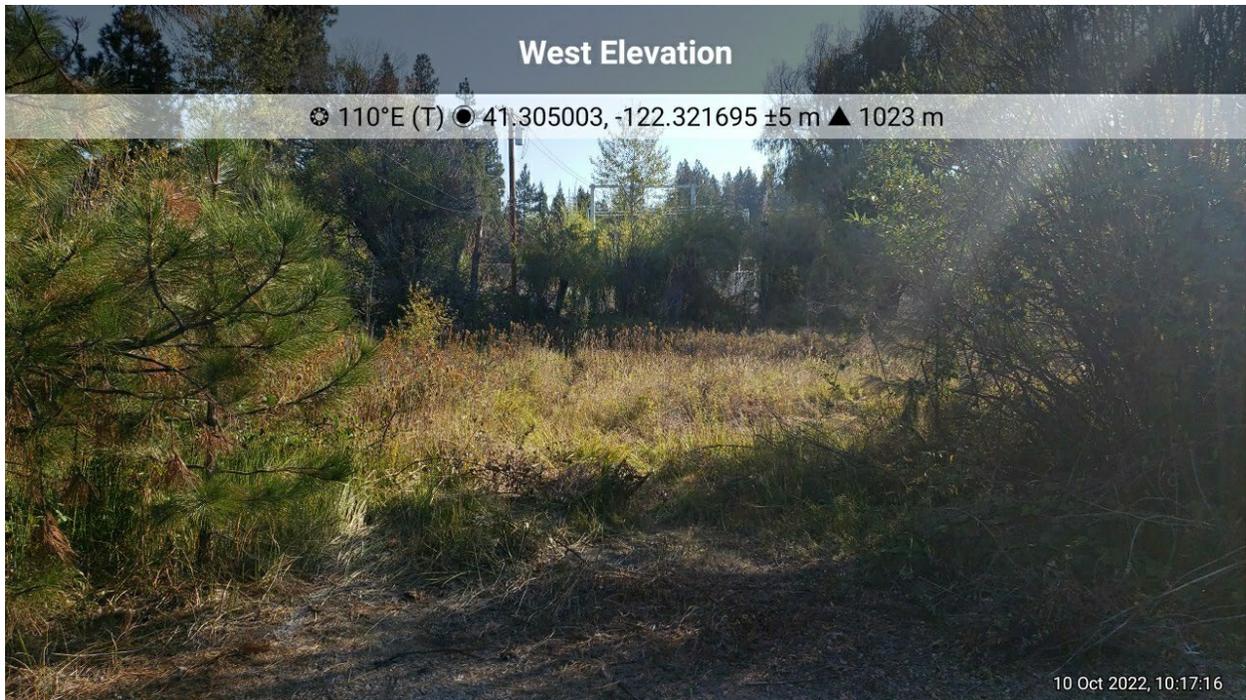
LEGEND

- | | | | | | |
|-------|--|---|-----------------------------------|---|--|
| ● | DISTRIBUTION FEATURE | ⊠ | EXISTING SUBSTATION (MT. SHASTA) | ▨ | EXISTING ACCESS ROUTE |
| ○ | TRANSMISSION STRUCTURE | ⊠ | PROPOSED LASSEN SUBSTATION PARCEL | ▨ | NEW ACCESS ROAD |
| — | EXISTING TRANSMISSION LINE TO BE REBUILT | | | ▨ | TEMPORARY ACCESS ROUTE |
| — | EXISTING OVERHEAD DISTRIBUTION | | | ▨ | TEMPORARY ENVIRONMENTALLY SENSITIVE ACCESS ROAD |
| - - - | EXISTING UNDERGROUND DISTRIBUTION | | | ▨ | TEMPORARY ENVIRONMENTALLY SENSITIVE MATTED ACCESS ROAD |
| — | PROPOSED OVERHEAD DISTRIBUTION | | | | |
| - - - | PROPOSED UNDERGROUND DISTRIBUTION | | | | |

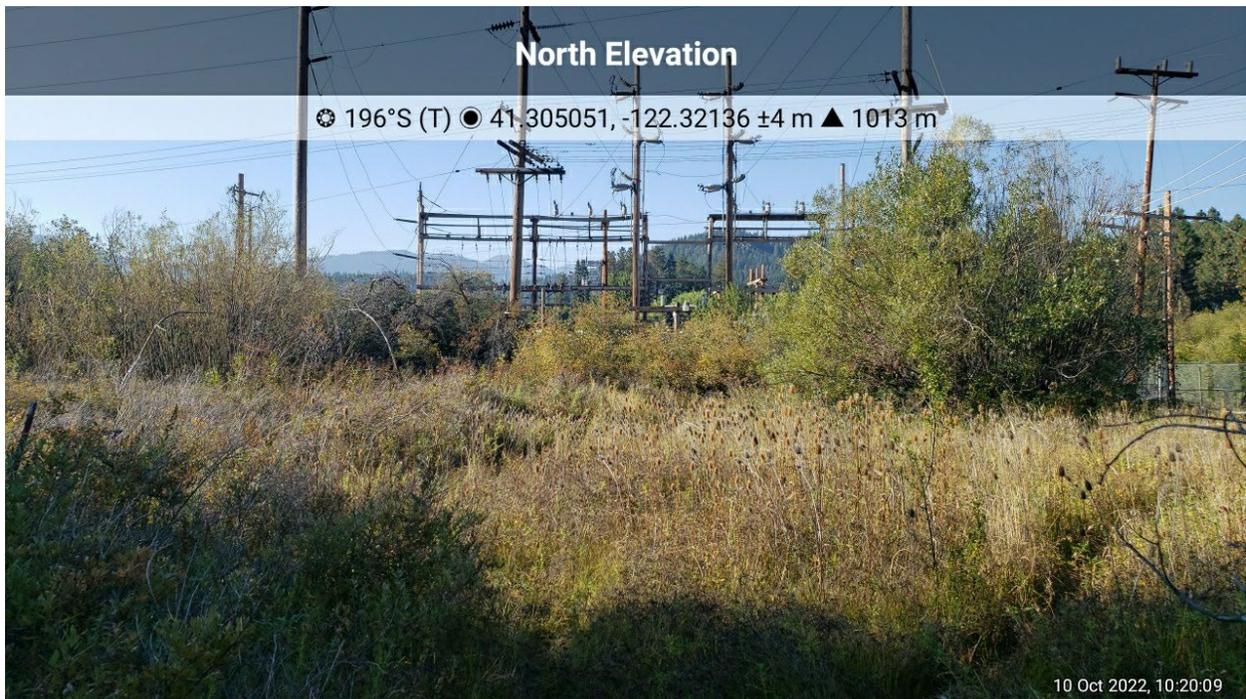
**FIGURE 1
MINOR PROJECT
REFINEMENT #1**

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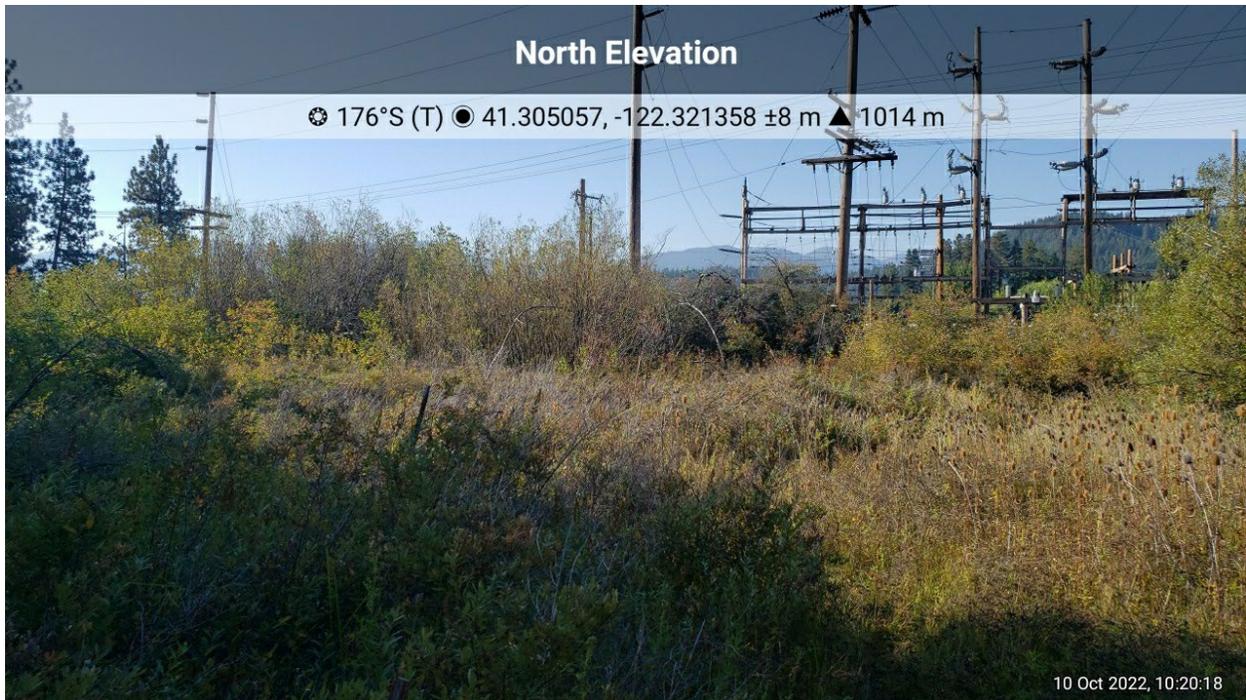
Attachment 1 Photographs



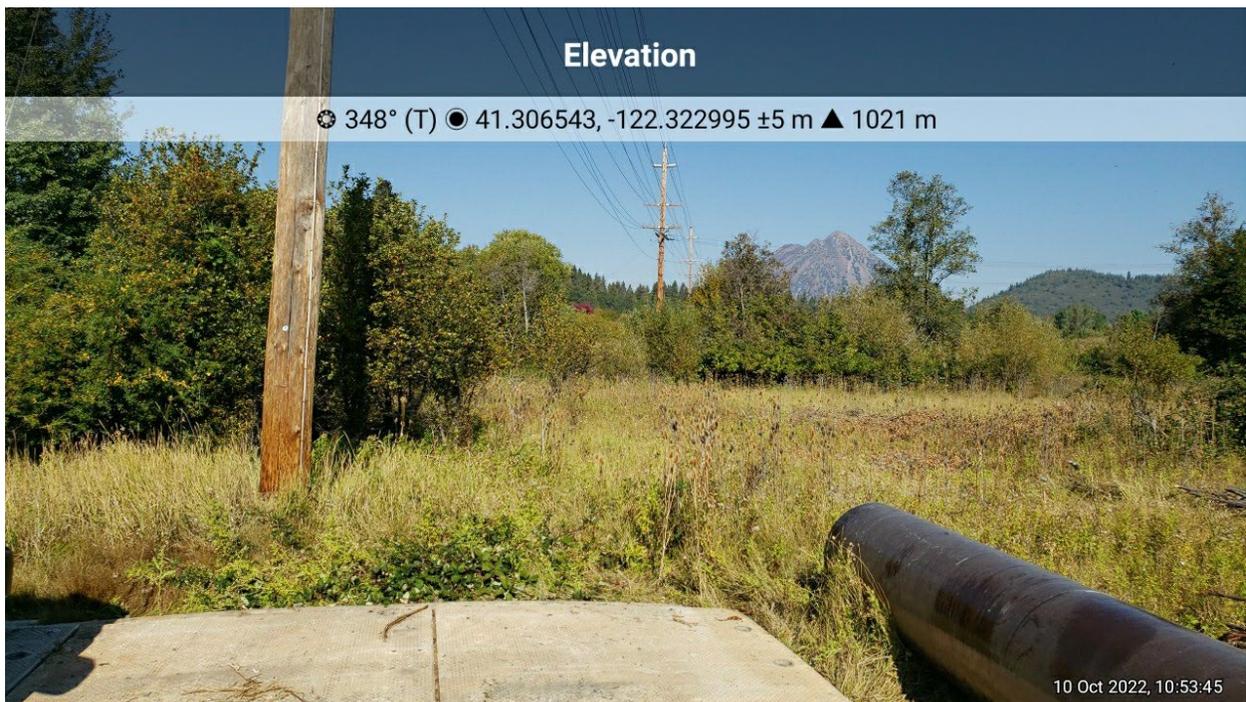
Photograph 1: Looking generally east toward the new Lassen Substation.



Photograph 2: Looking generally west toward Mt. Shasta Substation.



Photograph 3: Looking generally west toward Mt. Shasta Substation.



Photograph 4: Looking north.