

APPLICATION FOR TRANSPORTATION AND
UTILITY SYSTEMS AND FACILITIES
ON FEDERAL LANDS

FORM APPROVED
OMB Control Number: 0596-0082
Expiration Date: 1/31/2017

FOR AGENCY USE ONLY

NOTE: Before completing and filing the application, the applicant should completely review this package and schedule a preapplication meeting with representatives of the agency responsible for processing the application. Each agency may have specific and unique requirements to be met in preparing and processing the application. Many times, with the help of the agency representative, the application can be completed at the preapplication meeting.

Application Number

Date Filed

1. Name and address of applicant (include zip code)

Verizon Wireless
Attn: Kelly Lea
5430 NE 122nd Ave.
Portland, OR 97230

2. Name, title, and address of authorized agent if different from item 1 (include zip code)

Md7/Lexcom Development
Attn: Lisa Hoefer
10570 SE Washington St, Ste 211
Portland, OR 97230

3. Telephone (area code)

Applicant

Authorized Agent

4. As applicant are you? (check one)

- a. ☐ Individual
b. ☐ Corporation*
c. ☒ Partnership/Association*
d. ☐ State Government/State Agency
e. ☐ Local Government
f. ☐ Federal Agency

* If checked, complete supplemental page

5. Specify what application is for: (check one)

- a. ☒ New authorization
b. ☐ Renewing existing authorization No.
c. ☐ Amend existing authorization No.
d. ☐ Assign existing authorization No.
e. ☐ Existing use for which no authorization has been received *
f. ☐ Other*

* If checked, provide details under item 7

6. If an individual, or partnership are you a citizen(s) of the United States? ☒ Yes ☐ No

7. Project description (describe in detail): (a) Type of system or facility, (e.g., canal, pipeline, road); (b) related structures and facilities; (c) physical specifications (Length, width, grading, etc.); (d) term of years needed; (e) time of year of use or operation; (f) Volume or amount of product to be transported; (g) duration and timing of construction; and (h) temporary work areas needed for construction (Attach additional sheets, if additional space is needed.)

Verizon Wireless (VZW) proposes to construct and operate a wireless communication facility at Mazama Village in Crater Lake National Park to provide coverage for Mazama Village. The proposed area will be adjacent to the parking area as shown in the attached Option A - OR6 Mazama Village.

8. Attach a map covering area and show location of project proposal

9. State or Local government approval: ☐ Attached ☐ Applied for ☒ Not Required

10. Nonreturnable application fee: ☒ Attached ☐ Not required

11. Does project cross international boundary or affect international waterways? ☐ Yes ☒ No (if "yes," indicate on map)

12. Give statement of your technical and financial capability to construct, operate, maintain, and terminate system for which authorization is being requested.

Verizon wireless (VZW) has the technical and financial resources and capabilities to construct, operate, maintain and terminate the proposed wireless communication facility. VZW is the largest wireless telecommunication provider in the United States with approximately 132 million subscribers.

13a. Describe other reasonable alternative routes and modes considered.

There are no other reasonable alternatives at Crater Lake National Park to meet VZW's coverage needs which includes the lack of coverage heading up Hwy 62 to Mazama Village.

b. Why were these alternatives not selected?

N/A - see above

c. Give explanation as to why it is necessary to cross Federal Lands.

The proposed facility will be located within Crater Lake Park to provide coverage to the park area.

14. List authorizations and pending applications filed for similar projects which may provide information to the authorizing agency. (Specify number, date, code, or name)

Other federal lands where VZW currently operates wireless communication facilities include U.S. Forest Service, Bureau of Land Management, Military Bases and North Cascade National Park. There is also an application pending for Hurricane Ridge within Olympic National Park to provide coverage to the visitor center.

15. Provide statement of need for project, including the economic feasibility and items such as: (a) cost of proposal (construction, operation, and maintenance); (b) estimated cost of next best alternative; and (c) expected public benefits.

Verizon would like to provide wireless coverage for frequently visiting areas of Crater Lake National Park which includes Mazama Village and the Crater Lake Lodge areas.

16. Describe probable effects on the population in the area, including the social and economic aspects, and the rural lifestyles.

The population in the area will be affected by increase in coverage and usability. The tourists will also be impacted in the same way.

17. Describe likely environmental effects that the proposed project will have on: (a) air quality; (b) visual impact; (c) surface and ground water quality and quantity; (d) the control or structural change on any stream or other body of water; (e) existing noise levels; and (f) the surface of the land, including vegetation, permafrost, soil, and soil stability.

There will be no environmental effects on air quality, surface/ground water, control/structural changes on streams, or vegetation. Soils will be disposed of off-site or can remain on the property. There will be visual impacts associated with some of these options, but this will be kept as minimal as possible.

18. Describe the probable effects that the proposed project will have on (a) populations of fish, wildlife, and marine life, including threatened and endangered species; and (b) marine mammals, including hunting, capturing, collecting, or killing these animals.

None

19. State whether any hazardous material, as defined in this paragraph, will be used, produced, transported or stored on or within the right-of-way or any of the right-of-way facilities, or used in the construction, operation, maintenance or termination of the right-of-way or any of its facilities.

"Hazardous material" means any substance, pollutant or contaminant that is listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. 9601 et seq., and its regulations. The definition of hazardous substances under CERCLA includes any "hazardous waste" as defined in the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 42 U.S.C. 6901 et seq., and its regulations. The term hazardous materials also includes any nuclear or byproduct material as defined by the Atomic Energy Act of 1954, as amended, 42 U.S.C. 2011 et seq. The term does not include petroleum, including crude oil or any fraction thereof that is not otherwise specifically listed or designated as a hazardous substance under CERCLA Section 101(14), 42 U.S.C. 9601(14), nor does the term include natural gas.

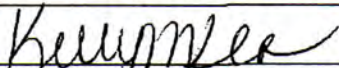
Battery plan includes lead and sulfuric acid but will be contained.

20. Name all the Department(s)/Agency(ies) where this application is being filed.

Crater Lake National Park

I HEREBY CERTIFY, That I am of legal age and authorized to do business in the State and that I have personally examined the information contained in the application and believe that the information submitted is correct to the best of my knowledge.

Signature of Applicant



Date

1-13-14

Title 18, U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

GENERAL INFORMATION
ALASKA NATIONAL INTEREST LANDS

This application will be used when applying for a right-of-way, permit, license, lease, or certificate for the use of Federal lands which lie within conservation system units and National Recreation or Conservation Areas as defined in the Alaska National Interest Lands Conservation Act. Conservation system units include the National Park System, National Wildlife Refuge System, National Wild and Scenic Rivers System, National Trails System, National Wilderness Preservation System, and National Forest Monuments.

Transportation and utility systems and facility uses for which the application may be used are:

1. Canals, ditches, flumes, laterals, pipes, pipelines, tunnels, and other systems for the transportation of water.
2. Pipelines and other systems for the transportation of liquids other than water, including oil, natural gas, synthetic liquid and gaseous fuels, and any refined product produced therefrom.
3. Pipelines, slurry and emulsion systems, and conveyor belts for transportation of solid materials.
4. Systems for the transmission and distribution of electric energy.
5. Systems for transmission or reception of radio, television, telephone, telegraph, and other electronic signals, and other means of communications.
6. Improved right-of-way for snow machines, air cushion vehicles, and all-terrain vehicles.
7. Roads, highways, railroads, tunnels, tramways, airports, landing strips, docks, and other systems of general transportation.

This application must be filed simultaneously with each Federal department or agency requiring authorization to establish and operate your proposal.

In Alaska, the following agencies will help the applicant file an application and identify the other agencies the applicant should contact and possibly file with:

Department of Agriculture
Regional Forester, Forest Service (USFS)
Federal Office Building,
P.O. Box 21628
Juneau, Alaska 99802-1628
Telephone: (907) 586-7847 (or a local Forest Service Office)

Department of the Interior
Bureau of Indian Affairs (BIA)
Juneau Area Office
Federal Building Annex
9109 Mendenhall Mall Road, Suite 5
Juneau, Alaska 99802
Telephone: (907) 586-7177

Department of the Interior
Bureau of Land Management
222 West 7th Avenue
P.O. Box 13
Anchorage, Alaska 99513-7599
Telephone: (907) 271-5477 (or a local BLM Office)

U.S. Fish & Wildlife Service (FWS)
Office of the Regional Director
1011 East Tudor Road
Anchorage, Alaska 99503
Telephone: (907) 786-3440

National Park Service (NPS)
Alaska Regional Office, 2225
Gambell St., Rm. 107
Anchorage, Alaska 99502-2892
Telephone: (907) 786-3440

Note - Filings with any Interior agency may be filed with any office noted above or with the Office of the Secretary of the Interior, Regional Environmental Office, P.O. Box 120, 1675 C Street, Anchorage, Alaska 99513.

Department of Transportation
Federal Aviation Administration
Alaska Region AAL-4, 222 West 7th Ave., Box 14
Anchorage, Alaska 99513-7587
Telephone: (907) 271-5285

NOTE - The Department of Transportation has established the above central filing point for agencies within that Department. Affected agencies are: Federal Aviation Administration (FAA), Coast Guard (USCG), Federal Highway Administration (FHWA), Federal Railroad Administration (FRA).

OTHER THAN ALASKA NATIONAL INTEREST LANDS

Use of this form is not limited to National Interest Conservation Lands of Alaska.

Individual department/agencies may authorize the use of this form by applicants for transportation and utility systems and facilities on other Federal lands outside those areas described above.

For proposals located outside of Alaska, applications will be filed at the local agency office or at a location specified by the responsible Federal agency.

SPECIFIC INSTRUCTIONS
(Items not listed are self-explanatory)

- 7 Attach preliminary site and facility construction plans. The responsible agency will provide instructions whenever specific plans are required.
- 8 Generally, the map must show the section(s), township(s), and range(s) within which the project is to be located. Show the proposed location of the project on the map as accurately as possible. Some agencies require detailed survey maps. The responsible agency will provide additional instructions.
- 9, 10, and 12 The responsible agency will provide additional instructions.
- 13 Providing information on alternate routes and modes in as much detail as possible, discussing why certain routes or modes were rejected and why it is necessary to cross Federal lands will assist the agency(ies) in processing your application and reaching a final decision. Include only reasonable alternate routes and modes as related to current technology and economics.
- 14 The responsible agency will provide instructions.
- 15 Generally, a simple statement of the purpose of the proposal will be sufficient. However, major proposals located in critical or sensitive areas may require a full analysis with additional specific information. The responsible agency will provide additional instructions.
- 16 through 19 Providing this information in as much detail as possible will assist the Federal agency(ies) in processing the application and reaching a decision. When completing these items, you should use a sound judgment in furnishing relevant information. For example, if the project is not near a stream or other body of water, do not address this subject. The responsible agency will provide additional instructions.

Application must be signed by the applicant or applicant's authorized representative.

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is voluntary. If all the information is not provided, the application may be rejected.

DATA COLLECTION STATEMENT

The Federal agencies collect this information from applicants requesting right-of-way, permit, license, lease, or certification for the use of Federal lands. The Federal agencies use this information to evaluate the applicant's proposal. The public is obligated to submit this form if they wish to obtain permission to use Federal lands.

SUPPLEMENTAL

| NOTE: The responsible agency(ies) will provide instructions | CHECK APPROPRIATE BLOCK | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------|
| I - PRIVATE CORPORATIONS | ATTACHED | FILED* |
| a. Articles of Incorporation | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Corporation Bylaws | <input type="checkbox"/> | <input type="checkbox"/> |
| c. A certification from the State showing the corporation is in good standing and is entitled to operate within the State | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Copy of resolution authorizing filing | <input type="checkbox"/> | <input type="checkbox"/> |
| e. The name and address of each shareholder owning 3 percent or more of the shares, together with the number and percentage of any class of voting shares of the entity which such shareholder is authorized to vote and the name and address of each affiliate of the entity together with, in the case of an affiliate controlled by the entity, the number of shares and the percentage of any class of voting stock of that affiliate owned, directly or indirectly, by that entity, and in the case of an affiliate which controls that entity, the number of shares and the percentage of any class of voting stock of that entity owned, directly or indirectly, by the affiliate. | <input type="checkbox"/> | <input type="checkbox"/> |
| f. If application is for an oil or gas pipeline, describe any related right-of-way or temporary use permit applications, and identify previous applications. | <input type="checkbox"/> | <input type="checkbox"/> |
| g. If application is for an oil and gas pipeline, identify all Federal lands by agency impacted by proposal. | <input type="checkbox"/> | <input type="checkbox"/> |
| II - PUBLIC CORPORATIONS | | |
| a. Copy of law forming corporation | <input type="checkbox"/> | <input type="checkbox"/> |
| b. Proof of organization | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Copy of Bylaws | <input type="checkbox"/> | <input type="checkbox"/> |
| d. Copy of resolution authorizing filing | <input type="checkbox"/> | <input type="checkbox"/> |
| e. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above. | <input type="checkbox"/> | <input type="checkbox"/> |
| III - PARTNERSHIP OR OTHER UNINCORPORATED ENTITY | | |
| a. Articles of association, if any | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b. If one partner is authorized to sign, resolution authorizing action is | <input type="checkbox"/> | <input type="checkbox"/> |
| c. Name and address of each participant, partner, association, or other | <input type="checkbox"/> | <input type="checkbox"/> |
| d. If application is for an oil or gas pipeline, provide information required by item "I - f" and "I - g" above. | <input type="checkbox"/> | <input type="checkbox"/> |

*If the required information is already filed with the agency processing this application and is current, check block entitled "Filed." Provide the file identification information (e.g., number, date, code, name). If not on file or current, attach the requested information.

NOTICES

Note: This applies to the Department of Agriculture/Forest Service (FS)

This information is needed by the Forest Service to evaluate the requests to use National Forest System lands and manage those lands to protect natural resources, administer the use, and ensure public health and safety. This information is required to obtain or retain a benefit. The authority for that requirement is provided by the Organic Act of 1897 and the Federal Land Policy and Management Act of 1976, which authorize the secretary of Agriculture to promulgate rules and regulations for authorizing and managing National Forest System lands. These statutes, along with the Term Permit Act, National Forest Ski Area Permit Act, Granger-Thye Act, Mineral Leasing Act, Alaska Term Permit Act, Act of September 3, 1954, Wilderness Act, National Forest Roads and Trails Act, Act of November 16, 1973, Archeological Resources Protection Act, and Alaska National Interest Lands Conservation Act, authorize the Secretary of Agriculture to issue authorizations or the use and occupancy of National Forest System lands. The Secretary of Agriculture's regulations at 36 CFR Part 251, Subpart B, establish procedures for issuing those authorizations.

BURDEN AND NONDISCRIMINATION STATEMENTS

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0596-0082. The time required to complete this information collection is estimated to average 8 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or part of an individual's income is derived from any public assistance. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at 202-720-2600 (voice and TDD).

To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, 1400 Independence Avenue, SW, Washington, DC 20250-9410 or call toll free (866) 632-9992 (voice). TDD users can contact USDA through local relay or the Federal relay at (800) 877-8339 (TDD) or (866) 377-8642 (relay voice). USDA is an equal opportunity provider and employer.

The Privacy Act of 1974 (5 U.S.C. 552a) and the Freedom of Information Act (5 U.S.C. 552) govern the confidentiality to be provided for information received by the Forest Service.

SCALE: 1" = 40'-0" (1:22334), 1" = 60'-0" (1:1117)

ACCESS ROAD

— ASPHALT ACCESS

EXISTING ASPHALT
PAVING AREA

ACCESS LOOP

—PROPOSED VOLCAN AIRLINES
SHELTER AND TOWER LOCATION
FOR OPTION #1

★ **REVIEW**
10-10-10

EXISTING TREES—

*



NORTH

PROJECT NUMBER
2009355204

SHEET NUMBER
PD-1

SHEET NAME
(OPTIONAL) A
OVERALL
SITE PLAN



CAMP+
ASSOCIATES

ASSOCIATES

19401 40TH AVE. W., SUITE 304
LYNNWOOD, WA 98035
PHONE: (425) 740-6382
FAX: (425) 224-1614
WWW.CANIPAPER.CO.COM

PROJECT MANAGER: EJC

| | |
|--------------|----|
| PREPARED BY: | CA |
|--------------|----|

APPROVED BY: EJC

| | | |
|----|----------|-------------------|
| CA | 10-26-15 | PRESIDENTIAL ISSU |
|----|----------|-------------------|

PROJECT NUMBER
2009355204





OR6-MAZAMA
VILLAGE
(NEW BUILD)
P.O. BOX 6 HWY 62
SAGEBUSH BLVD
ORANGE, CA 92667
CLARK COUNTY
KILMATH COUNTY

CAMP+
CONSULTANTS

3801 ADRIAN AVE. SUITE 204
IRVINE, CA 92618
PHONE (949) 260-8888
WWW.CAMP-PLUS.COM

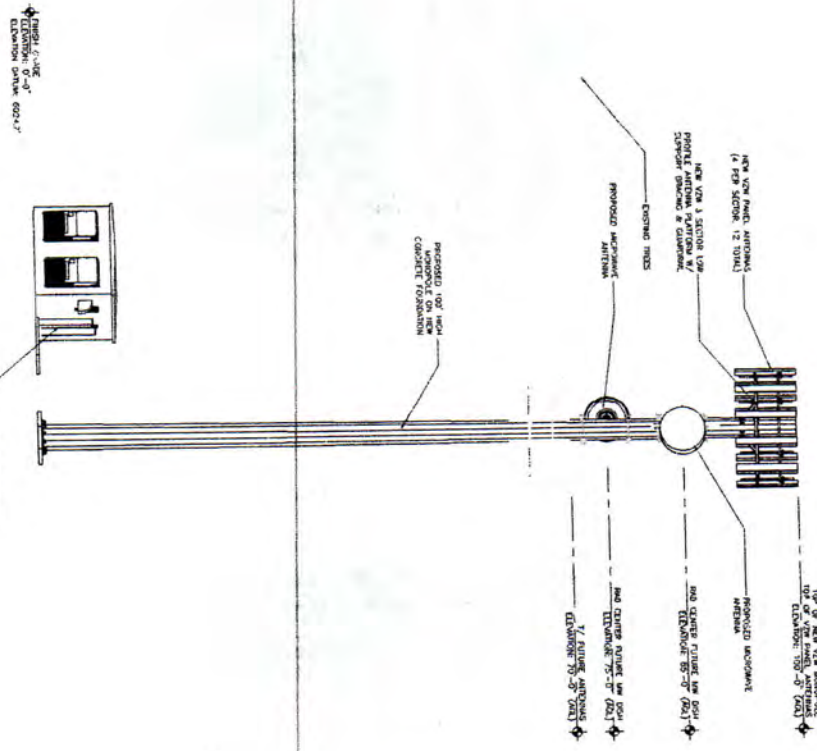
PROJECT MANAGER, EIC
PREPARED BY, CA
APPROVED BY, EIC

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 100 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|

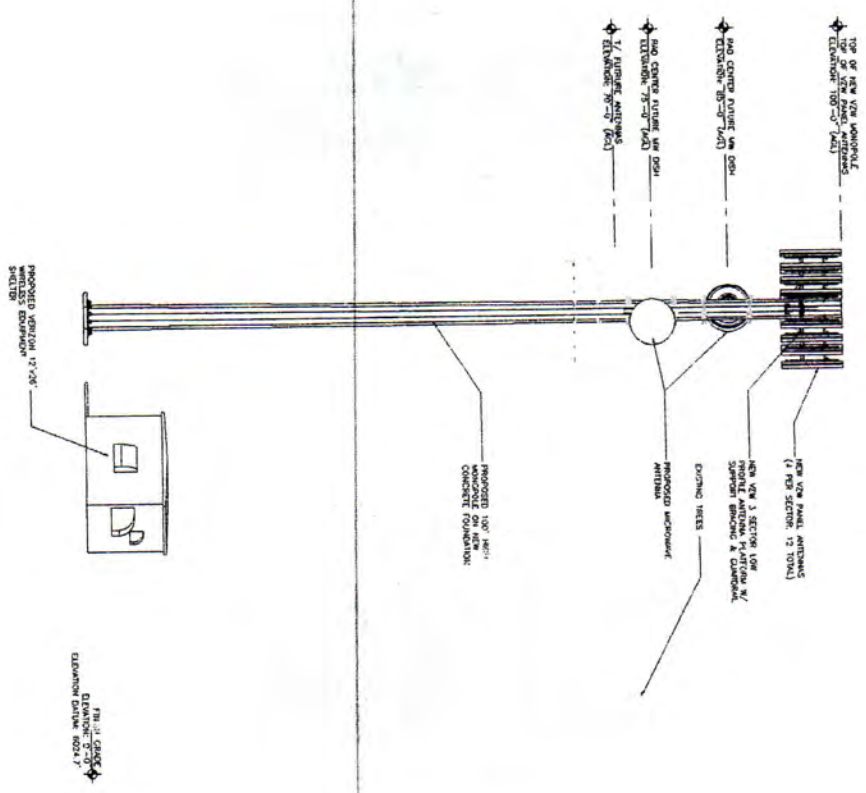
SHEET NAME
(OPTION #1) A
ELEVATIONS

SHEET NUMBER
PD-3

PROJECT NUMBER
200805504



2 PROPOSED NORTH ELEVATION
SCALE: 1/8" = 1'-0" (25:1), 1/4" = 1'-0" (12:1)



1 PROPOSED SOUTH ELEVATION
SCALE: 1/8" = 1'-0" (25:1), 1/4" = 1'-0" (12:1)



VIA CERTIFIED U.S. MAIL, #7009 1410 0000 5272 5302
RETURN RECEIPT REQUESTED

November 18, 2016

**United States Department of the Interior
National Park Service
Crater Lake National Park
Attn: Craig Ackerman
Post Office Box 7
Crater Lake, Oregon 97604**

RE: Applications for Transportation and Utility System and Facilities on Federal Lands; Rim Village and Mazama Village Wireless Telecommunications (VZW OR 6 Crater Lake and OR6 Mazama Village)

Dear Mr. Ackerman-

I received your letter dated September 29, 2016 (attached) asking for a more detailed project description of the proposed Wireless Transmission Facilities (WTF) Verizon is interested in, in order for you to make a determination about the feasibility of the ROW permit. I'm now able to clarify these questions for you as follows:

1. **Clarification of proposed tower backhaul.** "Confirm that microwave is initially proposed for this purpose. The application submittal included development to support a future fiber buildout. When would this be proposed? Additionally, did the applicant determine the existing in-park telecom provider (CenturyLink) could provide backhaul service?"
 - **Yes, backhaul is initially proposed for this project. CenturyLink is the existing in-park telecom provider and we know that you get your connectivity via a microwave hop that starts inside the park between Mazama Village and the Lodge, bounces off two reflectors and ends up in the town of Prospect. However, Centurylink does not have the capacity on their microwave link to support our installation, therefore fiber is not available to us at this time. As for future fiber construction, that will need to go through Verizon bidding/awarding/contracting process and we will not know when that will happen at this point until we know if these projects will be approved. The current target is to install MW.**



2. "A list of construction equipment to be used, anticipated duration of construction and description of ongoing maintenance needs."
 - **Items to be used during construction are as follows: excavator, compactor, dump truck, crane, rock hammer on excavator if needed.**
 - **Anticipated duration of construction: 1-3 months**
 - **Description of ongoing maintenance needs: "maintenance" will be interior work only. Operations team member to visit at least once a quarter to take system readings, visual inspection of site and as needed to conduct other VZW need repairs. Exterior future possible antenna / top equipment changes as needed.**
3. "Maps showing the "before" and "after" service levels and signal strength for the proposed WTF sites and Maps showing sites operated by VZW up to a 30mile radius."
 - **Please see attached maps. Exhibit 2 – Exhibit 10.**
4. "Copy of FCC license and map showing the boundaries of the authorized service area."
 - **Please see attached documentation.**
5. "(2) additional photo sims depicting what the proposed installations would look like immediately adjacent to the tower installation that depict the support shelter and surrounding environment. And (2) additional SIMS from Picnic Hill and Pumice field."
 - *****Photo SIMS are in process. And will be submitted first week of December*****

Please let me know if you have any further questions. [REDACTED] or mdockter@md7.com

A handwritten signature in black ink, appearing to read 'Meagan Dockter', written over a horizontal line.

Meagan Dockter
Site Acquisition Manager
Md7 representing Verizon Wireless



5430 NE 122nd Avenue
Portland, OR 97230

November 10, 2016

National Park service
Planning Department
Crater Lake
Redmond, OR 97624

Dear Planner,

This letter will serve to justify that the proposed Verizon Wireless site called *OR6 Crater Lake and OR6 Mazama Village* be located in Crater Lake National Park. The proposed location was chosen by National Park Service in concert with Verizon Wireless to improve the voice and data coverage, for its patrons frequenting the park, and much of the surrounding area. The coverage improvement objective is highlighted in yellow in Exhibit 1.

Design Criteria

When designing an existing or new area for coverage or capacity, Verizon Wireless will first attempt to utilize an existing tower or structure for collocation at the desired antenna height. If an existing tower or structure is not available or not attainable because of space constraints or unreliable structural design, Verizon Wireless will propose a new tower. In this instance, our real estate group with the help of outside consultants did several searches and concluded there is no existing structure nearby for collocation, to meet the *OR6 Crater Lake and OR6 Mazama Village* coverage objective. The proposed location of the new monopole structure is shown in Exhibit 1.

To analyze our network design, Verizon Wireless uses a propriety Radio Frequency (RF) propagation tool called "Geoplan". Our objective is to reduce dropped calls and access failures by ensuring customer calls can be initiated, maintained and "handed-off" to adjacent sites. A plot of our existing network coverage* without the new *OR6 Crater Lake and OR6 Mazama Village* monopole tower is shown in Exhibit 2 and 3. The dotted circle in Exhibit 2 depicts area of RF coverage issue for that area. The purple, blue and green area in each exhibit represents a high RF signal strength which generally provides good coverage, inside vehicles and buildings. Yellow represents moderate RF signal strength that generally provides good service inside vehicles and moderate service inside buildings. The red areas represent RF signals that generally provide poor quality of service particularly inside buildings, but fair service in vehicles or outdoor coverage. The white areas on the propagation maps (white space) depicts non RF signal.

Verizon Wireless strives for a network design that provides high RF signal strength resulting in quality service inside buildings and vehicles, as indicated by the purple, blue and green areas, for a particular area and environs. Please note

that higher RF signal strengths such as mentioned above promote reliable voice calls and much greater wireless data speeds/ throughput in a given licensed area.

Design Results

Exhibit (4 through 7) shows coverage/ RF signal emitting of our propose *OR6 Crater Lake and OR6 Mazama Village*. With our antenna at 76-foot centerline (C/L) and 116-foot centerline (C/L) respectively, nearly the entire coverage area will be covered by high RF signal strength, as depicted by the purple, blue, and green portions of the map. Therefore Exhibit (4 through 7) meets our design objective for this site; hence the area of coverage is nearly identical to the coverage objective depicted in Exhibit 1. The proposed site in Exhibit 4 through 7 will provide the coverage needed for its patrons frequenting the park, and much of the surrounding area, as depicted in Exhibit 1.

Exhibits (8 through 10)* depict how the proposed *OR6 Crater Lake and OR6 Mazama Village* will be integrated into our network system for that area. Therefore our antenna at 76-foot centerline (C/L) and 116-foot centerline (C/L) respectively, will fulfill the coverage objective for *OR6 Crater Lake and OR6 Mazama Village* as depicted in Exhibits (8 through 10). The propose sites ensures, RF signal overlaps with adjacent sites especially the two sites in the park to allow continuity of call(s) or "handoff". Therefore a 76-foot centerline (C/L) and 116-foot centerline (C/L) antenna centerline and higher is required at the *OR6 Crater Lake and OR6 Mazama Village*.

Summary

The proposed site, *OR6 Crater Lake and OR6 Mazama Village* is a necessary communication facility as it provides the desired public service needed to complete the Verizon Wireless network in the area and to comply with the obligations of our FCC license. *OR6 Crater Lake and OR6 Mazama Village* especially with an antenna centerline at 76-foot centerline (C/L) and 116-foot centerline (C/L) respectively Exhibits (8 through 10)*, will provide superb service, i.e. a -65dBm (blue) signal strength or better (purple, blue, and green) for most areas defined in Exhibit 1 (area highlighted in yellow). This sites once built and operational will provide necessary public voice and data, including 911 services for it's to improve the voice and data coverage, for its patrons frequenting the park, and much of the surrounding area.

Sincerely,



John Dassan
Verizon Wireless
Pacific Northwest Region
Network Department – System Design

*Existing Sites within 30 mile radius

OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00',
OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00', OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00',
OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILLOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'



RF Propagation Maps

For Site "OR6 CRATER LAKE & MAZAMA VILLAGE"

10-25-16

Draft

Map Disclaimer

These maps show approximately where there is wireless coverage based on our own internal data. The maps are not a depiction of actual service or rates availability. The mapped territory contains areas with no service. Voice clarity and reception may vary near coverage boundaries. Wireless service is subject to network and transmission limitations, including cell site unavailability, particularly in remote areas. Customer equipment, weather, topography, and other environmental considerations associated with radio technology also affect service. Additionally, service may vary significantly within buildings depending on location or building structure.

CRATER LAKE NATIONAL PARK

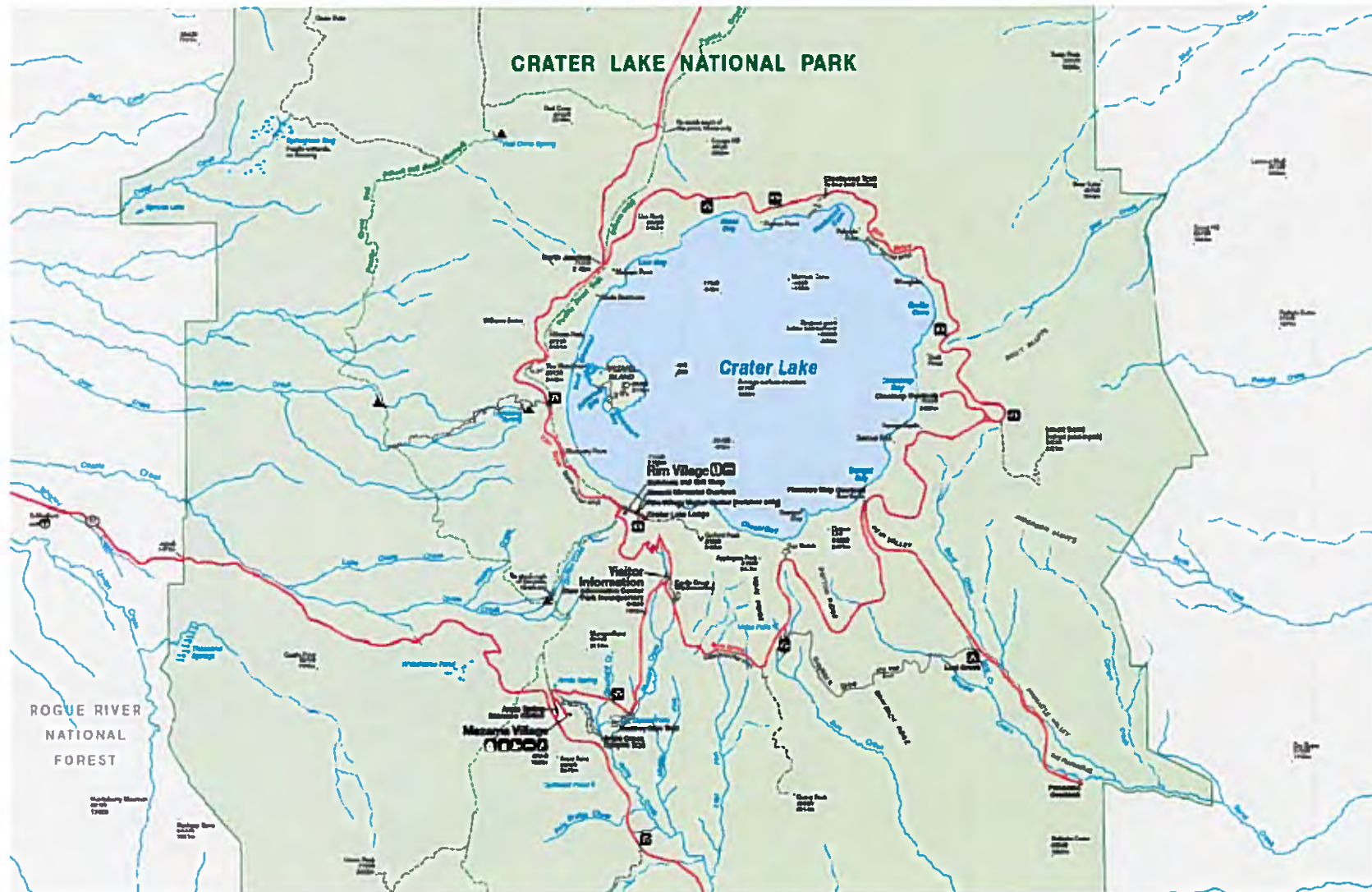


Exhibit 1 – Area of Cell Coverage issue. (OR6 CRATER LAKE & MAZAMA VILLAGE)

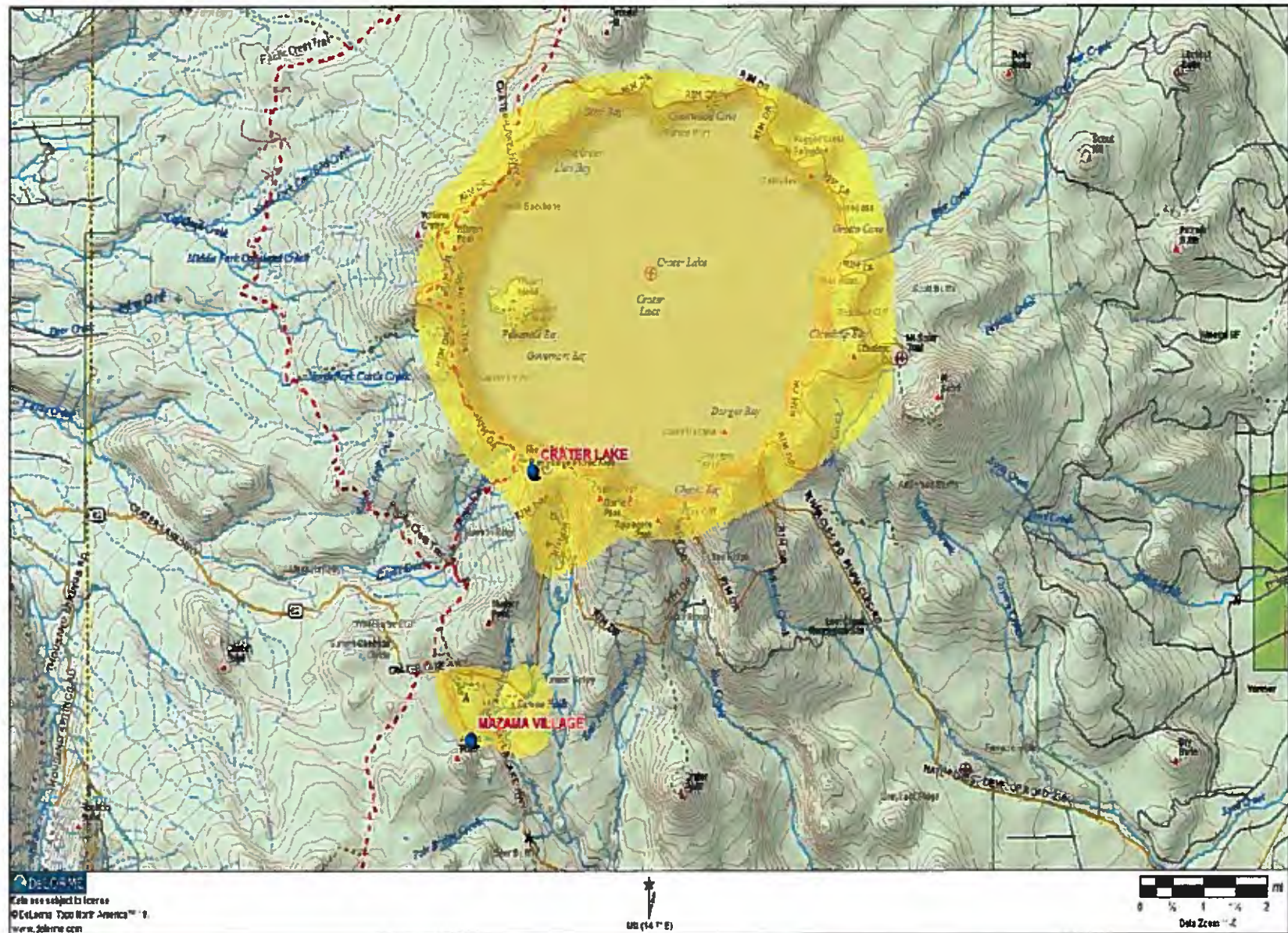
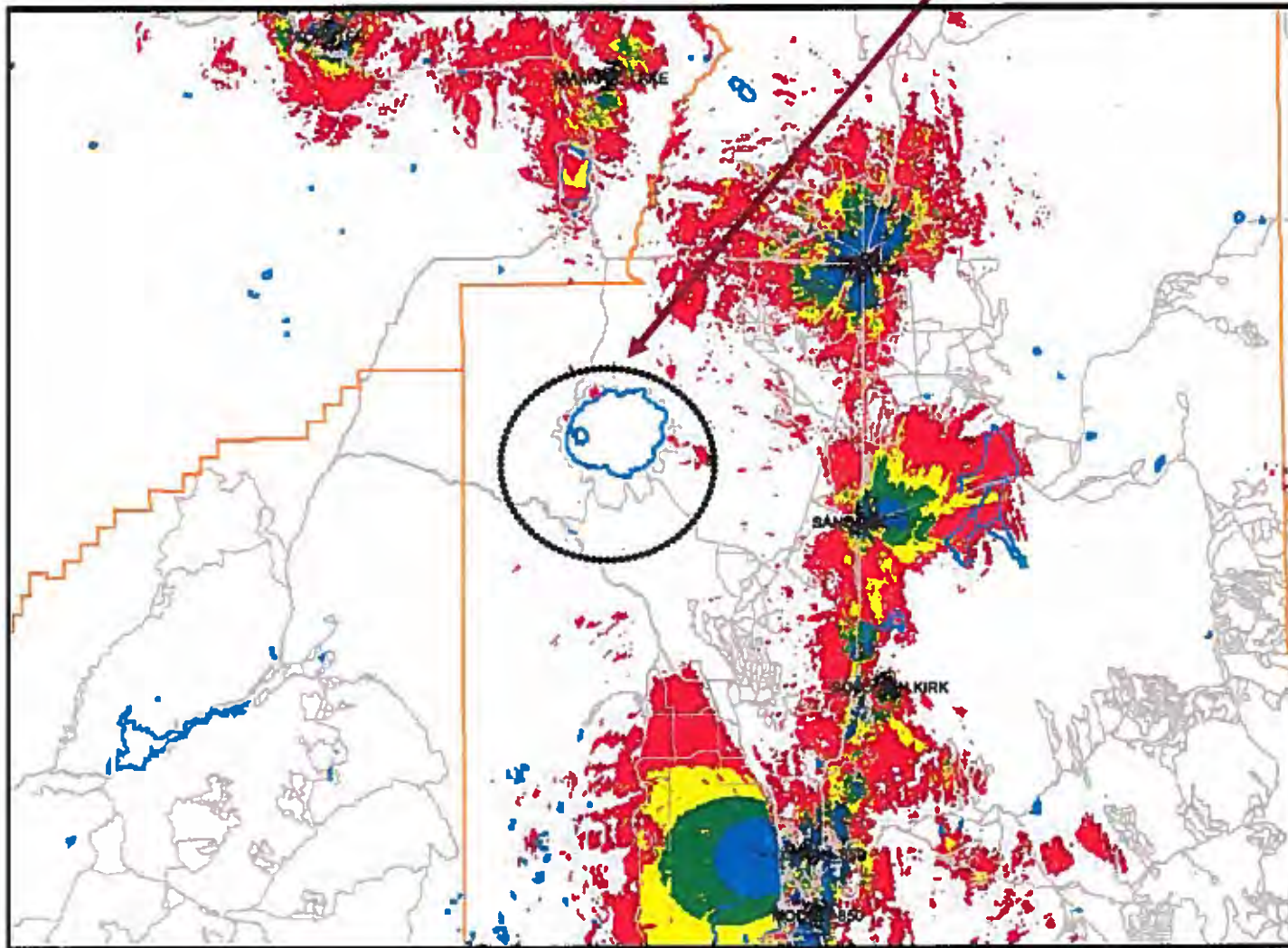
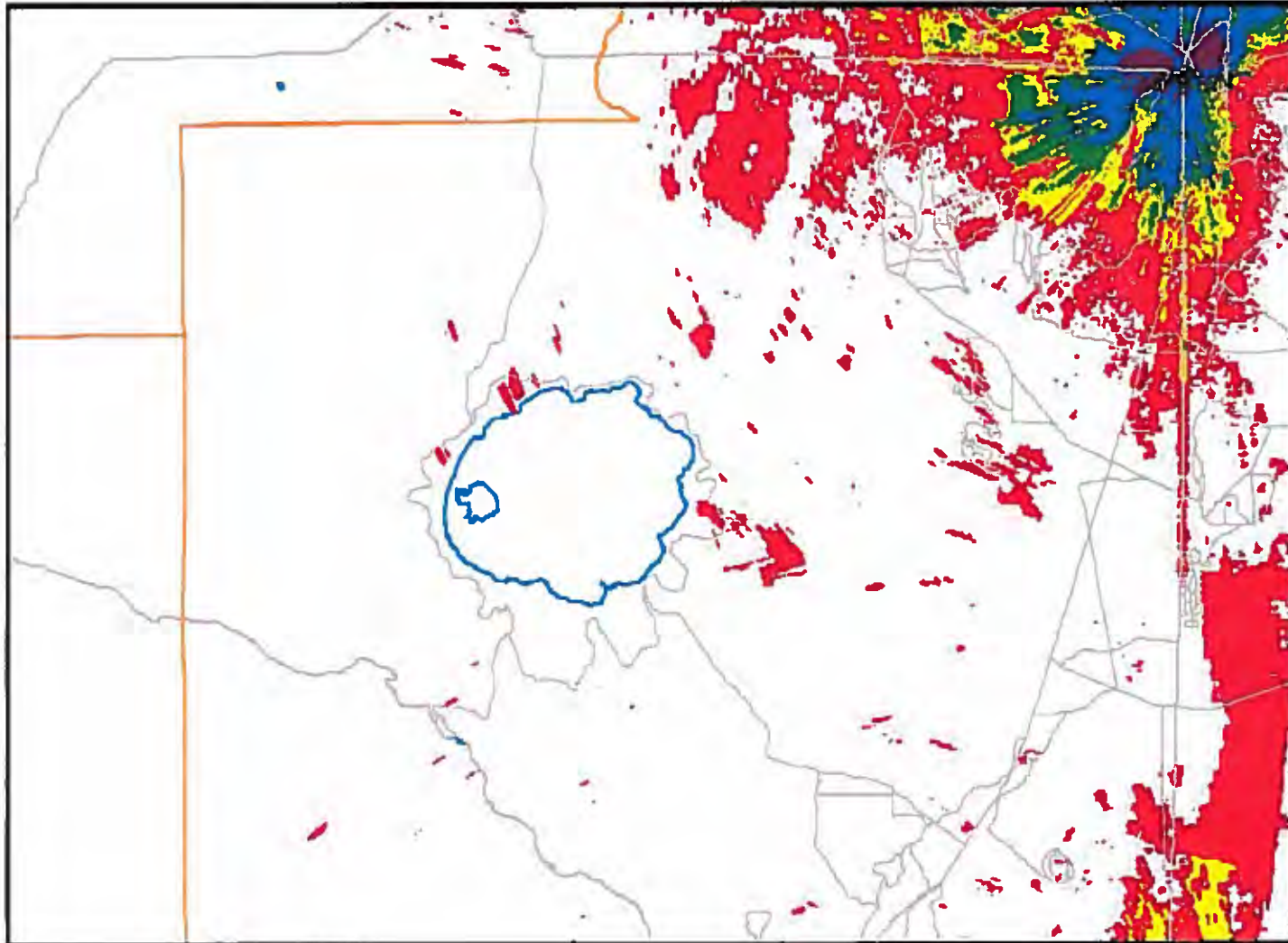


Exhibit 2 – Without Propose Site (OR6 CRATER LAKE & MAZAMA VILLAGE)
RF Coverage Issue.



OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'.

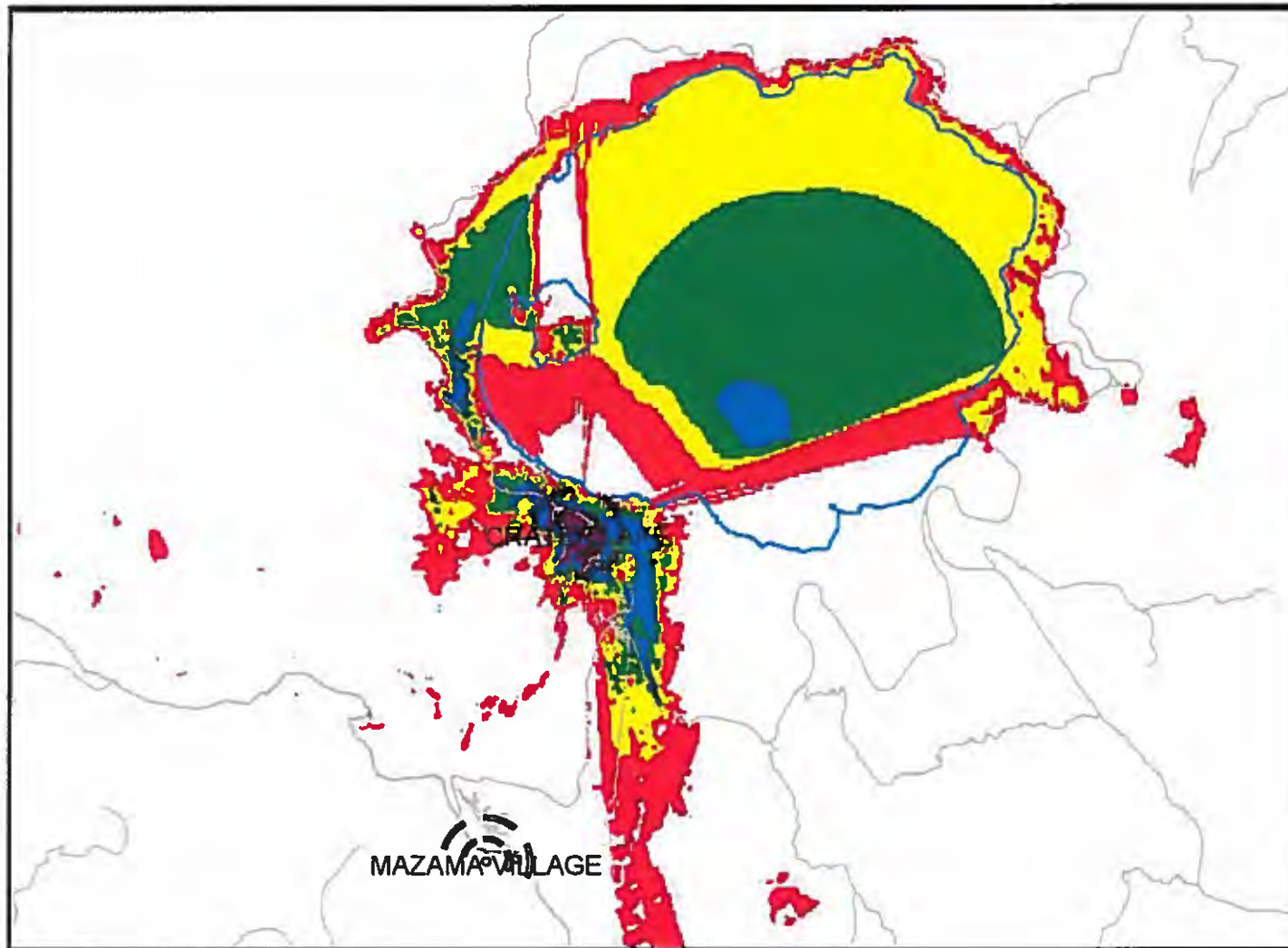
Exhibit 3 – Without Propose Site (OR6 CRATER LAKE & MAZAMA VILLAGE) -- Close View



**OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'.**

Exhibit 4 – Propose Site (OR6 CRATER LAKE)

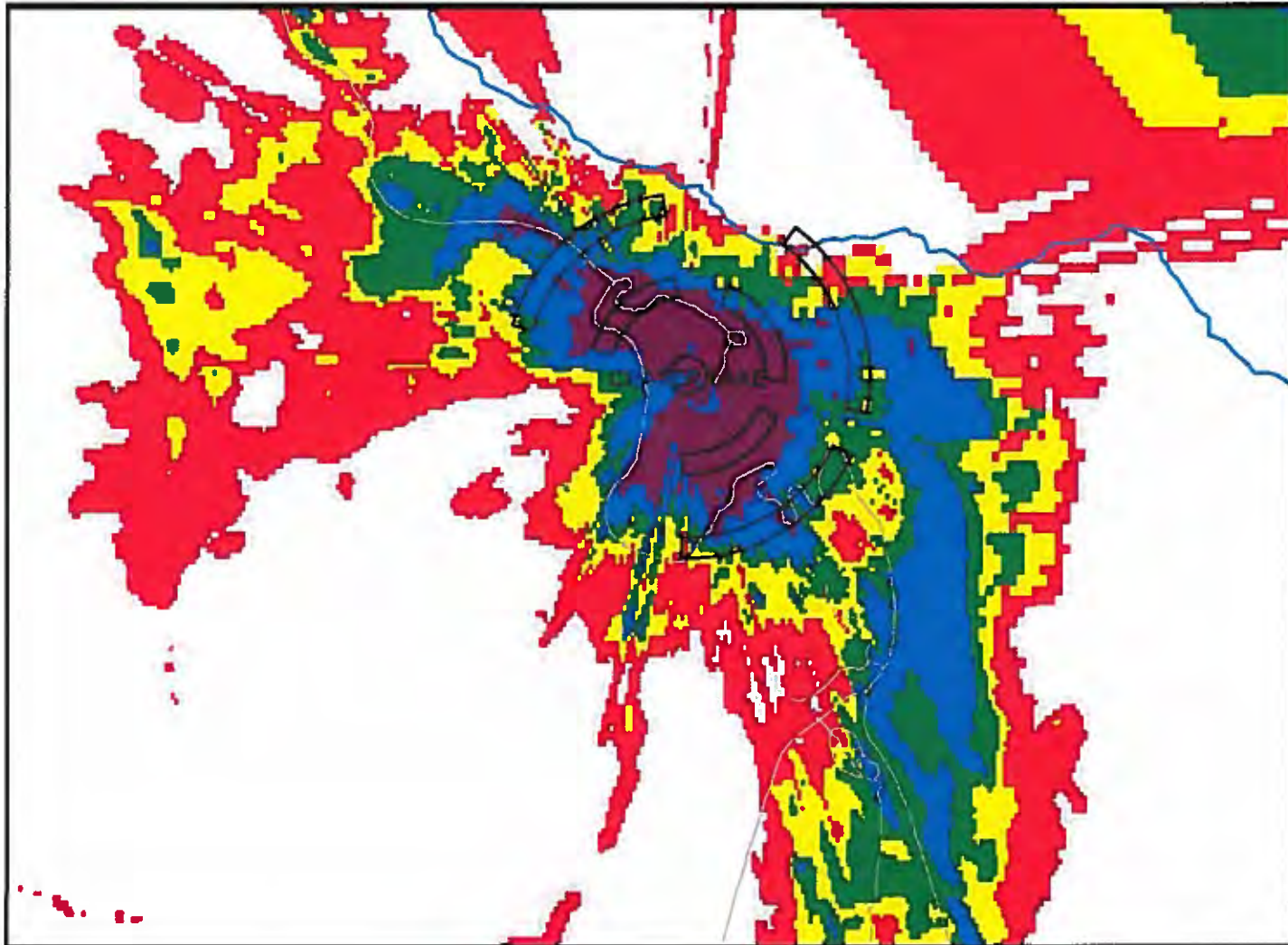
OR6 CRATER LAKE – Antenna(s) Centerline (C/L): 76.00'



**OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'.**

Exhibit 5 – Propose Site (OR6 CRATER LAKE) – Close View

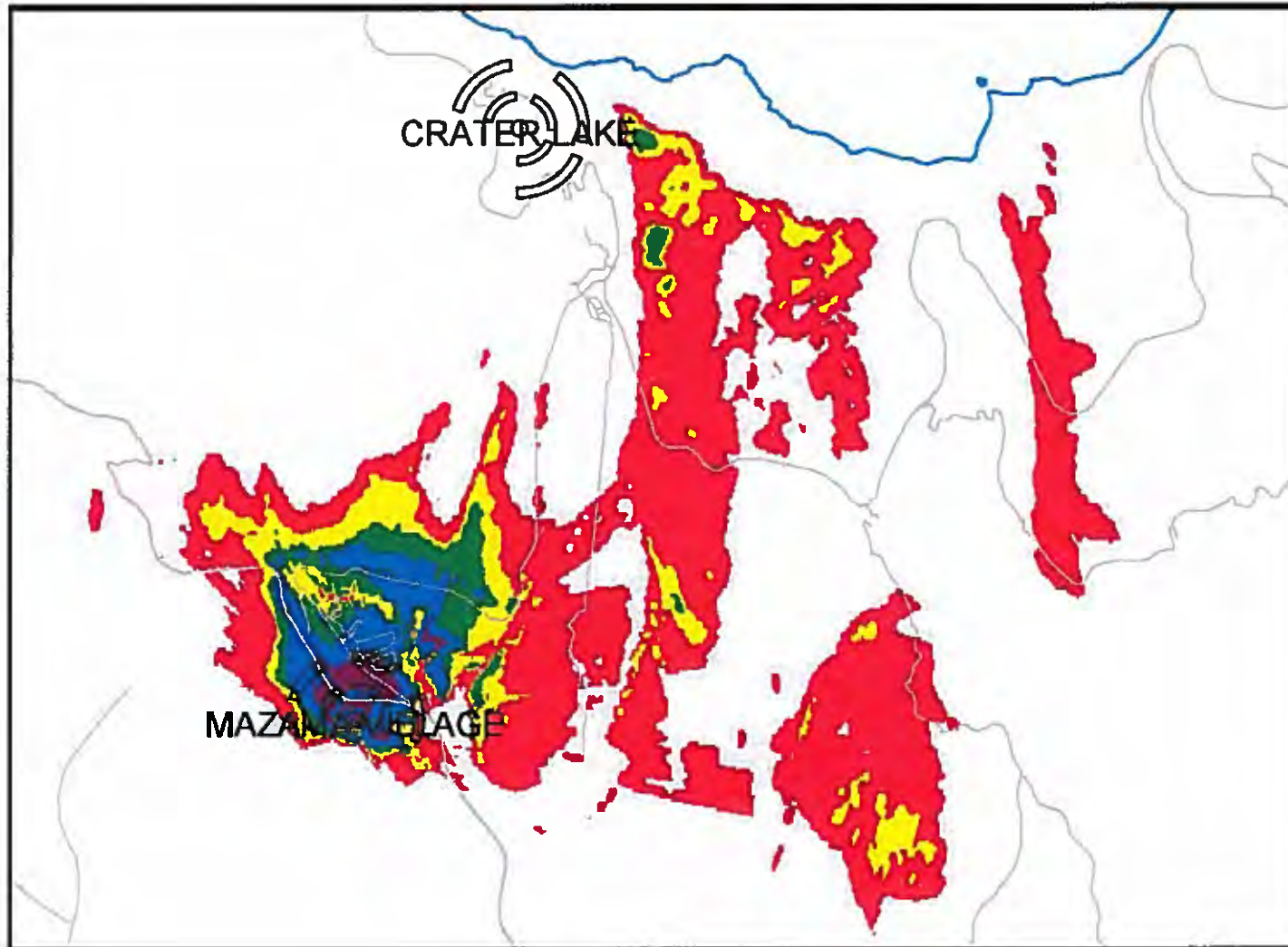
OR6 CRATER LAKE – Antenna(s) Centerline (C/L): 76.00'



**OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'.**

Exhibit 6 – Propose Site (OR6 MAZAMA VILLAGE)

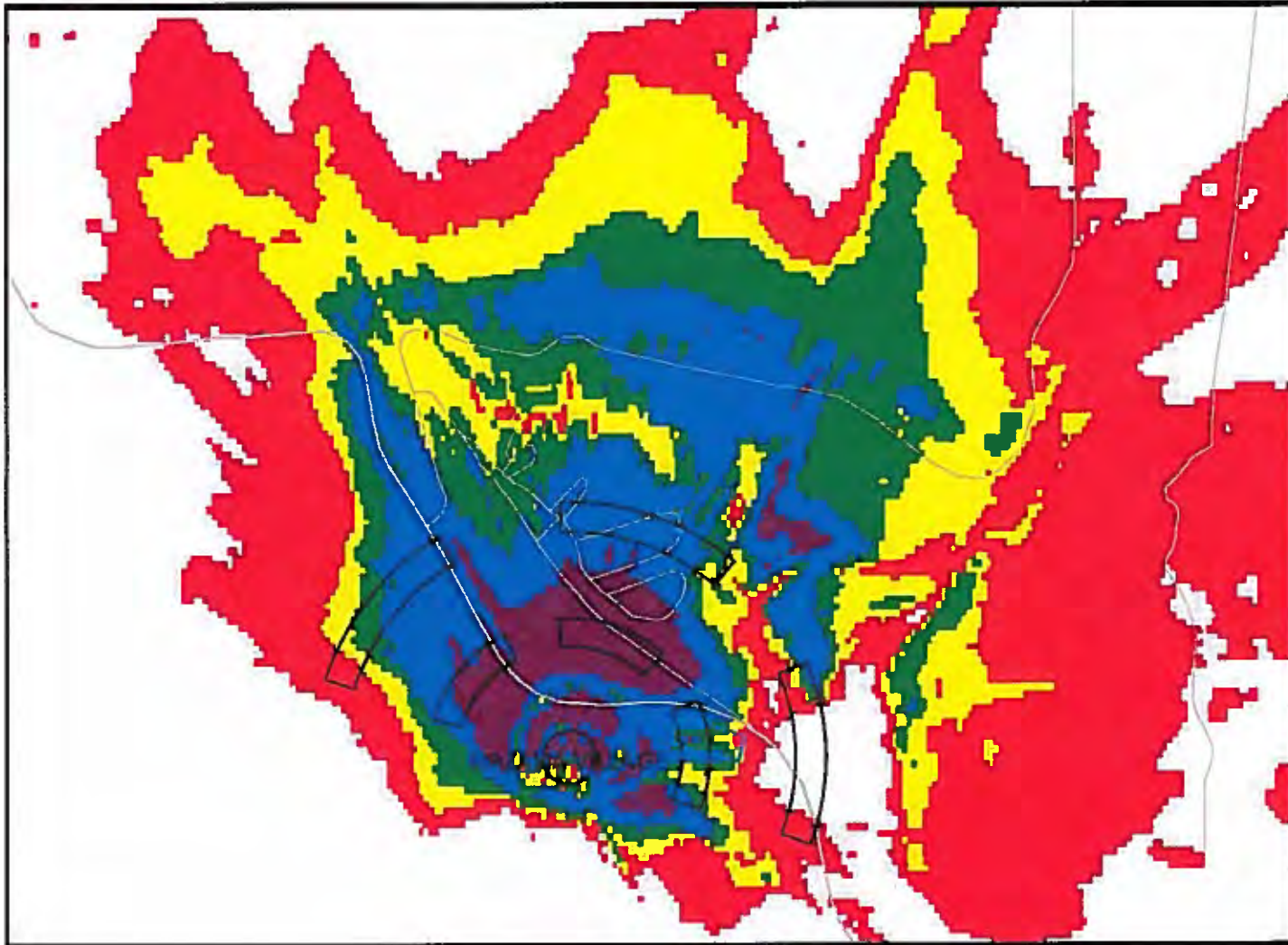
OR6 MAZAMA VILLAGE – Antenna(s) Centerline (C/L): 116'.00'



**OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L) 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L) 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L) 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L) 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L) 150.00'.**

Exhibit 7 – Propose Site (OR6 MAZAMA VILLAGE) – Close View

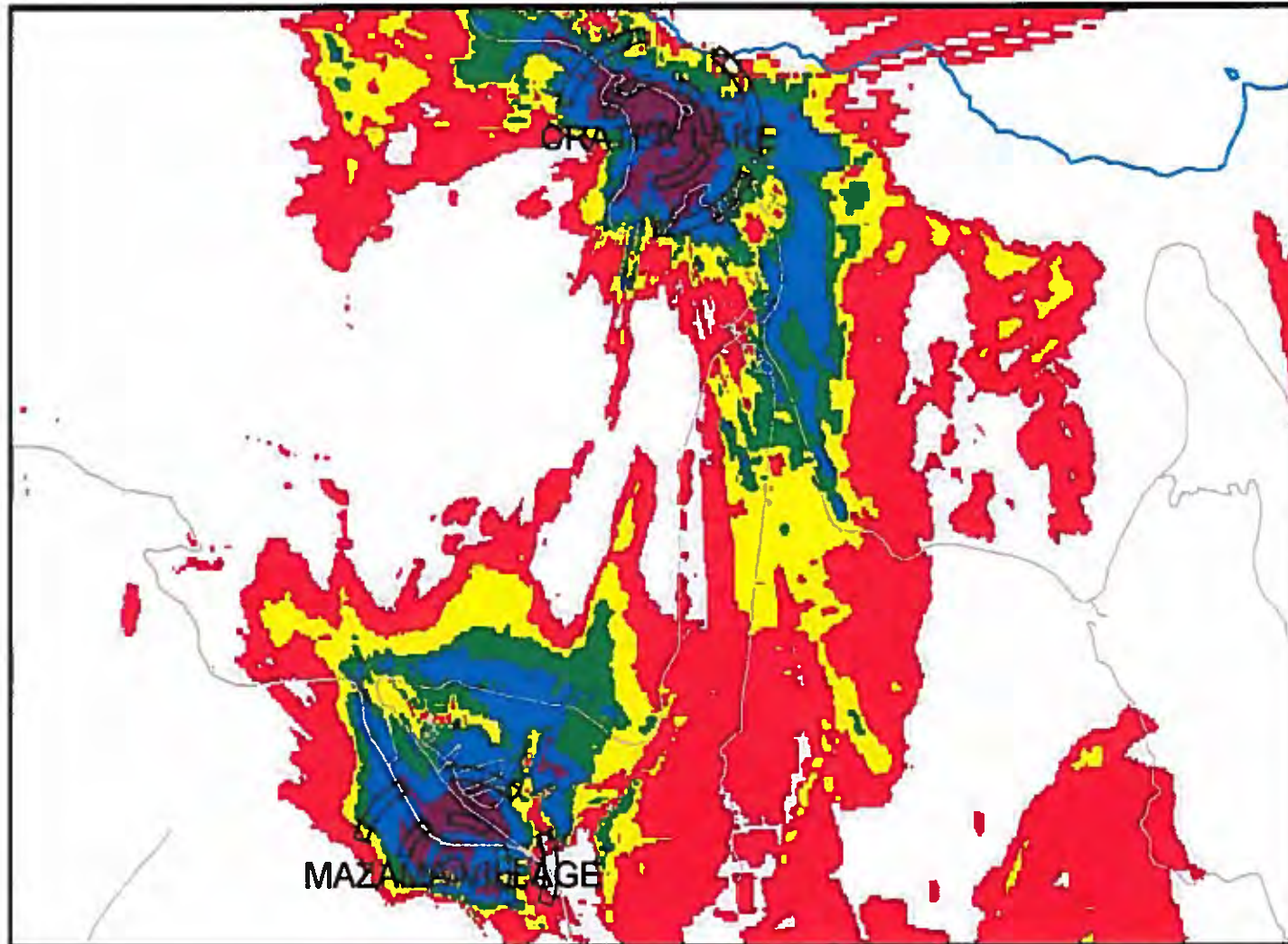
OR6 MAZAMA VILLAGE – Antenna(s) Centerline (C/L): 116'.00'



**OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'.**

Exhibit 8 – With Proposed Site (OR6 CRATER LAKE & MAZAMA VILLAGE)

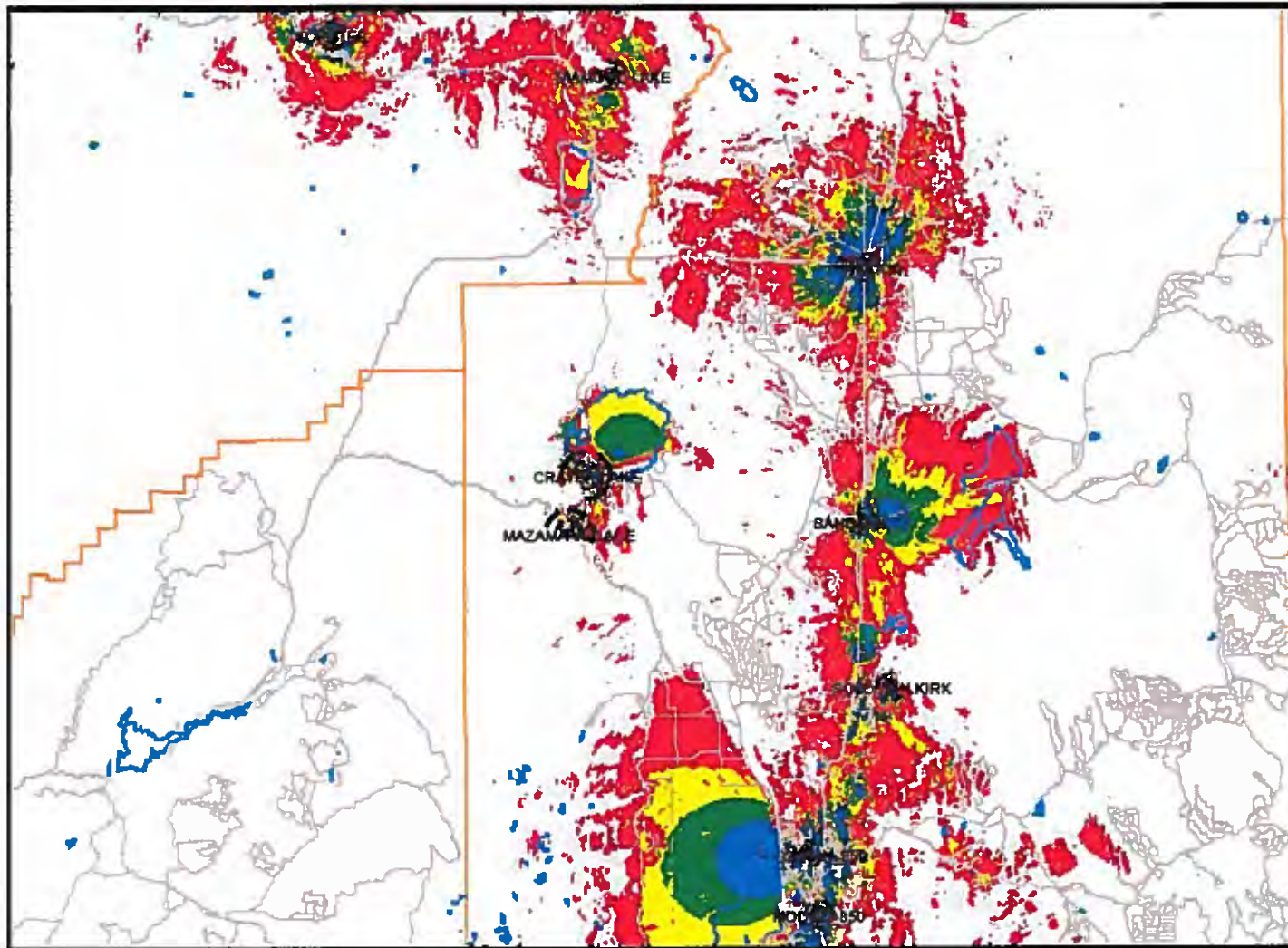
OR6 CRATER LAKE – Antenna(s) Centerline (C/L): 76.00' & OR6 MAZAMA VILLAGE – Antenna(s) Centerline (C/L): 116'.00'



**OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'.**

Exhibit 9 – With Proposed Site (OR6 CRATER LAKE & MAZAMA VILLAGE)

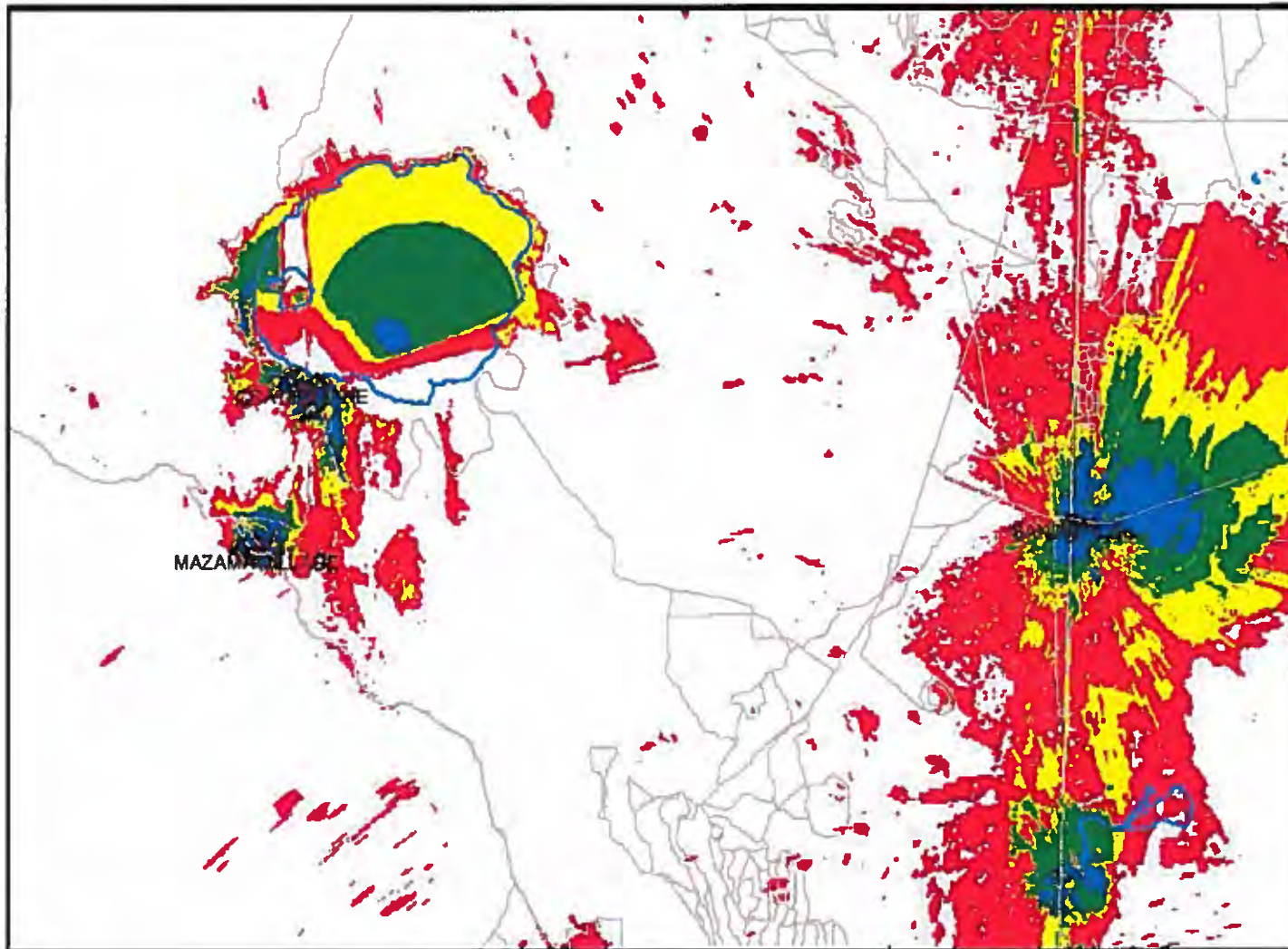
OR6 CRATER LAKE – Antenna(s) Centerline (C/L): 76.00' & OR6 MAZAMA VILLAGE – Antenna(s) Centerline (C/L): 116'.00'



**OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'.**

Exhibit 10 – With Proposed Site (OR6 CRATER LAKE & MAZAMA VILLAGE) – Close View

OR6 CRATER LAKE – Antenna(s) Centerline (C/L): 76.00' & OR6 MAZAMA VILLAGE – Antenna(s) Centerline (C/L): 116'.00'



**OR6 TOKETEE – Antenna(s) Centerline (C/L): 171.00', OR6 DIAMOND LAKE – Antenna(s) Centerline (C/L): 53.00', OR6 JUNCTION – Antenna(s) Centerline (C/L): 204.00',
OR6 SAND CREEK – Antenna(s) Centerline (C/L): 150.00', OR6 SOLOMON KIRK – Antenna(s) Centerline (C/L): 121.00', OR6 CHILOQUIN – Antenna(s) Centerline (C/L): 96.00',
OR6 MODOC – Antenna(s) Centerline (C/L): 150.00'.**

End of Exhibit.

FCC LICENSES



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ULS License

700 MHz Upper Band (Block C) License - WQJQ694 - Cellco Partnership

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| MAIN | | ADMIN | | MARKET | | MAP | | LOCATIONS | | LEASES | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------|--|---------------------------------------------------------------------------------|-----------------------------------------------------------------|-----|--|-----------|--|--------|--|
| <p>PA This license has pending applications: 0007520928, 0007402803, 0007496262, 0007437777, 0007368105</p> | | | | | | | | | | | |
| Call Sign | WQJQ694 | | | Radio Service | WU - 700 MHz Upper Band (Block C) | | | | | | |
| Status | Active | | | Auth Type | Regular | | | | | | |
| Market | | | | | | | | | | | |
| Market | REA006 - West | | | Channel Block | C | | | | | | |
| Submarket | 0 | | | Associated Frequencies (MHz) | 000746.00000000-000757.00000000-000776.00000000-000787.00000000 | | | | | | |
| Dates | | | | | | | | | | | |
| Grant | 11/26/2008 | | | Expiration | 06/13/2019 | | | | | | |
| Effective | 10/06/2016 | | | Cancellation | | | | | | | |
| Buildout Deadlines | | | | | | | | | | | |
| 1st | 06/13/2013 | | | 2nd | 06/13/2019 | | | | | | |
| Notification Dates | | | | | | | | | | | |
| 1st | 06/20/2013 | | | 2nd | | | | | | | |
| Licensee | | | | | | | | | | | |
| FRN | 0003290673 (View Ownership Filing) | | | Type | General Partnership | | | | | | |
| Licensee | | | | | | | | | | | |
| Cellco Partnership 1120 Sanctuary Pkwy, #150 GASASREG Alpharetta, GA 30009-7630 ATTN Regulatory | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | | | | | |
| Contact | | | | | | | | | | | |
| Verizon Wireless | | | | | | | | | | | |

| | |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Licensing Manager LicensingCompliance@VerizonWireless.com Alpharetta, GA 30009-7630 ATTN Regulatory | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com |
|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|

Ownership and Qualifications

| | | | |
|--------------------|----------------|----------------|-----|
| Radio Service Type | Mobile | | |
| Regulatory Status | Common Carrier | Interconnected | Yes |

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

| | | | |
|-----------|--|--------|--|
| Race | | | |
| Ethnicity | | Gender | |
| | | | |

| | |
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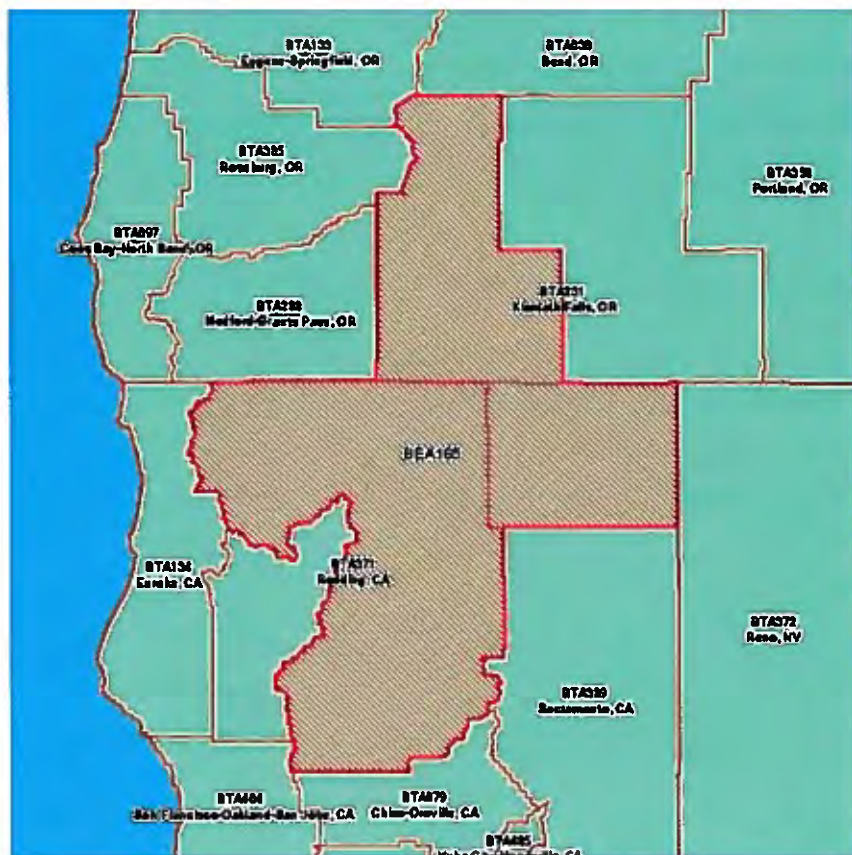
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m

[Hide Data Table](#)

| Data Table | | | | | | | | | |
|------------|------------------------|------|-----------|--------|---------------|--------------------|-------------|------------|---------------|
| | Drill To | Type | Call Sign | Status | Radio Service | License Name | Market Code | Sub Market | Channel Block |
| | Detail | D | WQGB227 | A | AW | Cellco Partnership | BEA165 | 0 | B |

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
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ULS License

AWS (1710-1755 MHz and 2110-2155 MHz) License - WQGB227 - Cellco Partnership

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| MAIN | | ADMIN | | MARKET | | MAP | |
|----------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|---------------------------------------------------------------------------------|--|-----------------------------------------------------------------|--|
| | | | | | | | |
| Call Sign | | WQGB227 | | Radio Service | | AW - AWS (1710-1755 MHz and 2110-2155 MHz) | |
| Status | | Active | | Auth Type | | Regular | |
| Market | | | | | | | |
| Market | | BEA165 - Redding, CA-OR | | Channel Block | | B | |
| Submarket | | 0 | | Associated Frequencies (MHz) | | 001720.00000000-001730.00000000-002120.00000000-002130.00000000 | |
| Dates | | | | | | | |
| Grant | | 11/29/2006 | | Expiration | | 11/29/2021 | |
| Effective | | 04/01/2016 | | Cancellation | | | |
| Buildout Deadlines | | | | | | | |
| 1st | | | | 2nd | | | |
| Notification Dates | | | | | | | |
| 1st | | | | 2nd | | | |
| | | | | | | | |
| | | | | | | | |
| Licensee | | | | | | | |
| FRN | | 0003290673 (View Ownership Filing) | | Type | | General Partnership | |
| Licensee | | | | | | | |
| Cellco Partnership 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30009-7630 ATTN Regulatory | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | |
| | | | | | | | |
| | | | | | | | |
| Contact | | | | | | | |
| Verizon Wireless Licensing Manager 1120 Sanctuary Pkwy, #150 GASA5REG | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | |

Alpharetta, GA 30009-7630
ATTN Regulatory

Ownership and Qualifications

| | | | |
|--------------------|----------------|----------------|-----|
| Radio Service Type | Mobile | | |
| Regulatory Status | Common Carrier | Interconnected | Yes |

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Tribal Land Bidding Credits

This license did not have tribal land bidding credits.

Demographics

| | | | |
|-----------|--|--------|--|
| Race | | | |
| Ethnicity | | Gender | |

| | |
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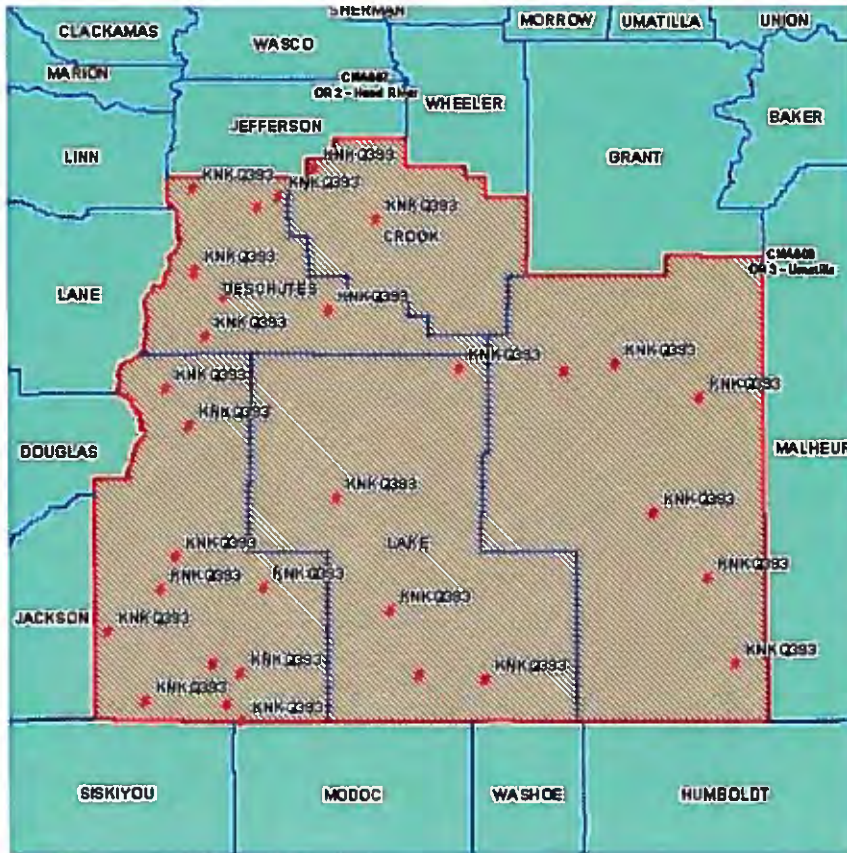
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Cellular License - KNKQ393 - Rural Cellular Corporation

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| Map Options | | | |
|----------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| Layer Name | Legend | Visible | Labeled |
| Streets |  | <input type="checkbox"/> | <input type="checkbox"/> |
| Counties |  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| BTA |  | <input type="checkbox"/> | <input type="checkbox"/> |
| MTA |  | <input type="checkbox"/> | <input type="checkbox"/> |
| CMA |  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| BEA |  | <input type="checkbox"/> | <input type="checkbox"/> |
| MEA |  | <input type="checkbox"/> | <input type="checkbox"/> |
| EAG |  | <input type="checkbox"/> | <input type="checkbox"/> |
| REA |  | <input type="checkbox"/> | <input type="checkbox"/> |
| VPC |  | <input type="checkbox"/> | <input type="checkbox"/> |
| RPC |  | <input type="checkbox"/> | <input type="checkbox"/> |
| USA |  | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| World1 |  | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| <div><div>Apply</div><div>Cancel</div></div> | | | |

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Select the tool you wish to use, and click on the map.

☐ Zoom In

☐ Zoom Out

☐ Drill Down

☐ ReCenter

Map Width (meters):

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| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
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| MAIN | | ADMIN | | LOCATIONS | | LEASES | |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------|--|---------------------------------------------------------------------------------|----------------------------------------|--------|--|
| Call Sign | KNKQ393 | | | Radio Service | CL - Cellular | | |
| Status | Active | | | Auth Type | Regular | | |
| Market | | | | | | | |
| Market | CMA611 - Oregon 6 - Crook | | | Channel Block | A (View Frequencies) | | |
| Submarket | 0 | | | Phase | 2 | | |
| Dates | | | | | | | |
| Grant | 09/04/2013 | | | Expiration | 10/01/2023 | | |
| Effective | 03/17/2015 | | | Cancellation | | | |
| Five Year Buildout Date | | | | | | | |
| 07/22/1999 | | | | | | | |
| Control Points | | | | | | | |
| 1 | 500 West Dove Road, TARRANT, Southlake, TX P: (800)264-6620 | | | | | | |
| Licensee | | | | | | | |
| FRN | 0003715919 (View Ownership Filing) | | | Type | Corporation | | |
| Licensee | | | | | | | |
| Rural Cellular Corporation 1120 Sanctuary Pkwy #150 - GASASREG Alpharetta, GA 30009 ATTN Regulatory | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | |
| Contact | | | | | | | |
| Verizon Wireless Licensing Manager 1120 Sanctuary Pkwy, #150 GASASREG Alpharetta, GA 30009-7630 ATTN Regulatory | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | |

Ownership and Qualifications

| | | | |
|--------------------|----------------|----------------|-----|
| Radio Service Type | Mobile | | |
| Regulatory Status | Common Carrier | Interconnected | Yes |

Alien Ownership

The Applicant answered "No" to each of the [Alien Ownership](#) questions.

Basic Qualifications

The Applicant answered "No" to each of the [Basic Qualification](#) questions.

Demographics

| | | | |
|-----------|--|--------|--|
| Race | | | |
| Ethnicity | | Gender | |

| | |
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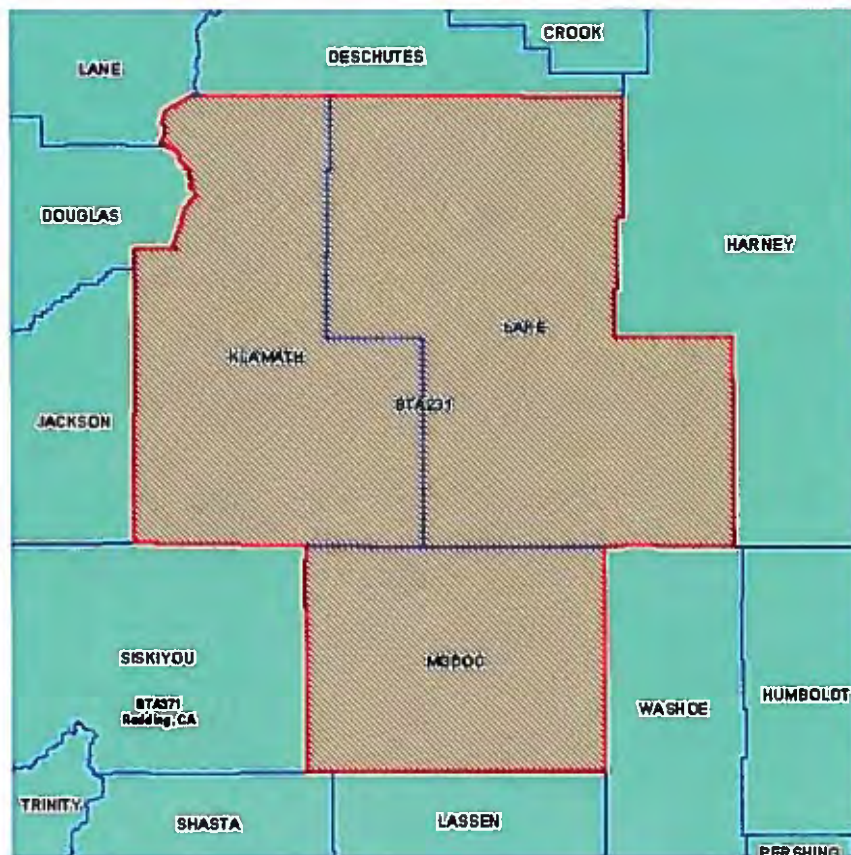
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| Map Options | | |
|----------------------------------------------------------------------------|--------|-------------------------------------|
| Layer Name | Legend | Visible Labeled |
| Streets | | <input type="checkbox"/> |
| Counties | | <input checked="" type="checkbox"/> |
| BTA | | <input checked="" type="checkbox"/> |
| MTA | | <input type="checkbox"/> |
| CMA | | <input type="checkbox"/> |
| BEA | | <input type="checkbox"/> |
| MEA | | <input type="checkbox"/> |
| EAG | | <input type="checkbox"/> |
| REA | | <input type="checkbox"/> |
| VPC | | <input type="checkbox"/> |
| RPC | | <input type="checkbox"/> |
| USA | | <input checked="" type="checkbox"/> |
| World1 | | <input checked="" type="checkbox"/> |
| <input type="button" value="Apply"/> <input type="button" value="Cancel"/> | | |

Map Navigational Tools

Select the tool you wish to use, and click on the map.

- ☐ Zoom In
- ☐ Zoom Out
- ☐ Drill Down
- ☒ ReCenter

Map Width (meters):

338333.0

[Reduce Map](#)

[Hide Data Table](#)

| Data Table | | | | | | | | | |
|------------------------|------|-----------|--------|---------------|----------------------------|-------------|------------|---------------|--|
| Drill To | Type | Call Sign | Status | Radio Service | License Name | Market Code | Sub Market | Channel Block | |
| Detail | P | KNLG652 | A | CW | Verizon Wireless (VAW) LLC | BTA231 | 0 | D | |

| | |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
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| ULS Online Systems | CORES - ULS Online Filing - License Search - Application Search |
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ULS License

PCS Broadband License - KNLG652 - Verizon Wireless (VAW) LLC

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| MAINADMINMARKETMAP | | | |
|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------|
| Call Sign | KNLG652 | Radio Service | CW - PCS Broadband |
| Status | Active | Auth Type | Regular |
| Market | | | |
| Market | BTA231 - Klamath Falls, OR | Channel Block | D |
| Submarket | 0 | Associated Frequencies (MHz) | 001865.00000000-001870.00000000001945.00000000-001950.00000000 |
| Dates | | | |
| Grant | 06/01/2007 | Expiration | 04/28/2017 |
| Effective | 02/18/2011 | Cancellation | |
| Buildout Deadlines | | | |
| 1st | 04/28/2002 | 2nd | |
| Notification Dates | | | |
| 1st | 04/12/2002 | 2nd | |
| | | | |
| Licensee | | | |
| FRN | 0003800307 (View Ownership Filing) | Type | Partnership |
| Licensee | | | |
| Verizon Wireless (VAW) LLC 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30009-7630 ATTN Regulatory | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | |
| | | | |
| Contact | | | |
| Verizon Wireless Licensing - Manager 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30009-7630 ATTN Regulatory | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-----|
| Ownership and Qualifications | | | |
| Radio Service Type | Mobile | | |
| Regulatory Status | Common Carrier | Interconnected | Yes |
| Alien Ownership | | | |
| Is the applicant a foreign government or the representative of any foreign government? | | | No |
| Is the applicant an alien or the representative of an alien? | | | No |
| Is the applicant a corporation organized under the laws of any foreign government? | | | No |
| Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? | | | No |
| Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? | | | Yes |
| The Alien Ruling question is not answered. | | | |
| Basic Qualifications | | | |
| The Applicant answered "No" to each of the Basic Qualification questions. | | | |
| Tribal Land Bidding Credits | | | |
| This license did not have tribal land bidding credits. | | | |
| Demographics | | | |
| Race | | | |
| Ethnicity | | Gender | |

| | | | |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|--|
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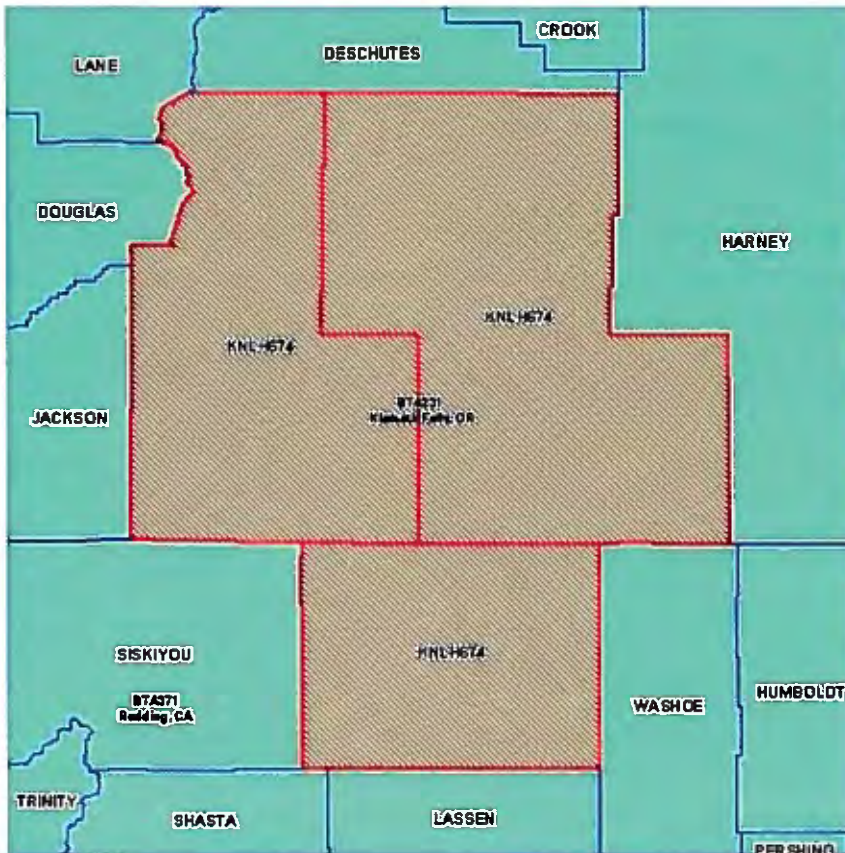
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Result Set Mapping

ULS-GIS

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| Map Options | | |
|-------------|--------|-------------------------------------------------------------------------|
| Layer Name | Legend | Visible Labeled |
| Streets | | <input type="checkbox"/> <input type="checkbox"/> |
| Counties | | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| BTA | | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| MTA | | <input type="checkbox"/> <input type="checkbox"/> |
| CMA | | <input type="checkbox"/> <input type="checkbox"/> |
| BEA | | <input type="checkbox"/> <input type="checkbox"/> |
| MEA | | <input type="checkbox"/> <input type="checkbox"/> |
| EAG | | <input type="checkbox"/> <input type="checkbox"/> |
| REA | | <input type="checkbox"/> <input type="checkbox"/> |
| VPC | | <input type="checkbox"/> <input type="checkbox"/> |
| RPC | | <input type="checkbox"/> <input type="checkbox"/> |
| USA | | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> |
| World1 | | <input checked="" type="checkbox"/> <input type="checkbox"/> |

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Map Navigational Tools

Select the tool you wish to use, and click on the map.

☐ Zoom In
☐ Zoom Out
☐ Drill Down
☒ ReCenter

Map Width (meters): [Apply](#)

[Reduce Map](#)

▼ [Hide Data Table](#)

| Data Table | | | | | | | | | |
|------------------------|------|-----------|--------|---------------|----------------------------|-------------|------------|---------------|--|
| Drill To | Type | Call Sign | Status | Radio Service | License Name | Market Code | Sub Market | Channel Block | |
| Detail | L | KNLH674 | A | CW | Verizon Wireless (VAW) LLC | BTA231 | 1 | E | |

| | |
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| MAIN | | ADMIN | | MARKET | | MAP | |
|-------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|---------------------------------------------------------------------------------|--|----------------------------------------------------------------------------|--|
| | | | | | | | |
| Call Sign | | KNLH674 | | Radio Service | | CW - PCS Broadband | |
| Status | | Active | | Auth Type | | Regular | |
| Market | | | | | | | |
| Market | | BTA231 - Klamath Falls, OR | | Channel Block | | E | |
| Submarket | | 1 | | Associated Frequencies (MHz) | | 001885.00000000- 001890.00000000 001965.00000000- 001970.00000000 | |
| Dates | | | | | | | |
| Grant | | 07/23/2007 | | Expiration | | 06/26/2017 | |
| Effective | | 02/18/2011 | | Cancellation | | | |
| Buildout Deadlines | | | | | | | |
| 1st | | 06/26/2002 | | 2nd | | | |
| Notification Dates | | | | | | | |
| 1st | | 06/19/2002 | | 2nd | | | |
| | | | | | | | |
| Licensee | | | | | | | |
| FRN | | 0003800307 (View Ownership Filing) | | Type | | Limited Liability Company | |
| Licensee | | | | | | | |
| Verizon Wireless (VAW) LLC 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30009-7630 ATTN Regulatory | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | |
| | | | | | | | |
| Contact | | | | | | | |
| Verizon Wireless Licensing - Manager 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30009-7630 ATTN Regulatory | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-----|
| Ownership and Qualifications | | | |
| Radio Service Type | Mobile | | |
| Regulatory Status | Common Carrier | Interconnected | Yes |
| Alien Ownership | | | |
| Is the applicant a foreign government or the representative of any foreign government? | | No | |
| Is the applicant an alien or the representative of an alien? | | No | |
| Is the applicant a corporation organized under the laws of any foreign government? | | No | |
| Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? | | No | |
| Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? | | Yes | |
| The Alien Ruling question is not answered. | | | |
| Basic Qualifications | | | |
| The Applicant answered "No" to each of the Basic Qualification questions. | | | |
| Tribal Land Bidding Credits | | | |
| This license did not have tribal land bidding credits. | | | |
| Demographics | | | |
| Race | | | |
| Ethnicity | | Gender | |

| | |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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ULS License

PCS Broadband License - WQCS427 - Verizon Wireless (VAW) LLC

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| MAIN | | ADMIN | | MARKET | | MAP | |
|-------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------|--|---------------------------------------------------------------------------------|--|----------------------------------------------------------------|--|
| | | | | | | | |
| Call Sign | | WQCS427 | | Radio Service | | CW - PCS Broadband | |
| Status | | Active | | Auth Type | | Regular | |
| Market | | | | | | | |
| Market | | BTA231 - Klamath Falls, OR | | Channel Block | | E | |
| Submarket | | 2 | | Associated Frequencies (MHz) | | 001885.00000000-001890.00000000001965.00000000-001970.00000000 | |
| Dates | | | | | | | |
| Grant | | 04/23/2015 | | Expiration | | 05/13/2025 | |
| Effective | | 04/23/2015 | | Cancellation | | | |
| Buildout Deadlines | | | | | | | |
| 1st | | 05/13/2010 | | 2nd | | | |
| Notification Dates | | | | | | | |
| 1st | | 03/26/2010 | | 2nd | | | |
| | | | | | | | |
| Licensee | | | | | | | |
| FRN | | 0003800307 (View Ownership Filing) | | Type | | Limited Liability Company | |
| Licensee | | | | | | | |
| Verizon Wireless (VAW) LLC 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30009-7630 ATTN Regulatory | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | |
| | | | | | | | |
| Contact | | | | | | | |
| Verizon Wireless Licensing - Manager 1120 Sanctuary Pkwy, #150 GASA5REG Alpharetta, GA 30009-7630 ATTN Regulatory | | | | P:(770)797-1070 F:(770)797-1036 E:LicensingCompliance@VerizonWireless.com | | | |

| | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|-----|
| Ownership and Qualifications | | | |
| Radio Service Type | Fixed, Mobile | | |
| Regulatory Status | Common Carrier | Interconnected | Yes |
| Alien Ownership | | | |
| Is the applicant a foreign government or the representative of any foreign government? | | | No |
| Is the applicant an alien or the representative of an alien? | | | No |
| Is the applicant a corporation organized under the laws of any foreign government? | | | No |
| Is the applicant a corporation of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country? | | | No |
| Is the applicant directly or indirectly controlled by any other corporation of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country? | | | Yes |
| The Alien Ruling question is not answered. | | | |
| Basic Qualifications | | | |
| The Applicant answered "No" to each of the Basic Qualification questions. | | | |
| Tribal Land Bidding Credits | | | |
| This license did not have tribal land bidding credits. | | | |
| Demographics | | | |
| Race | | | |
| Ethnicity | | Gender | |

| | | | |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------|
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| Basic Search | By Call Sign | = | <input type="text"/> <input type="button" value="SEARCH"/> |



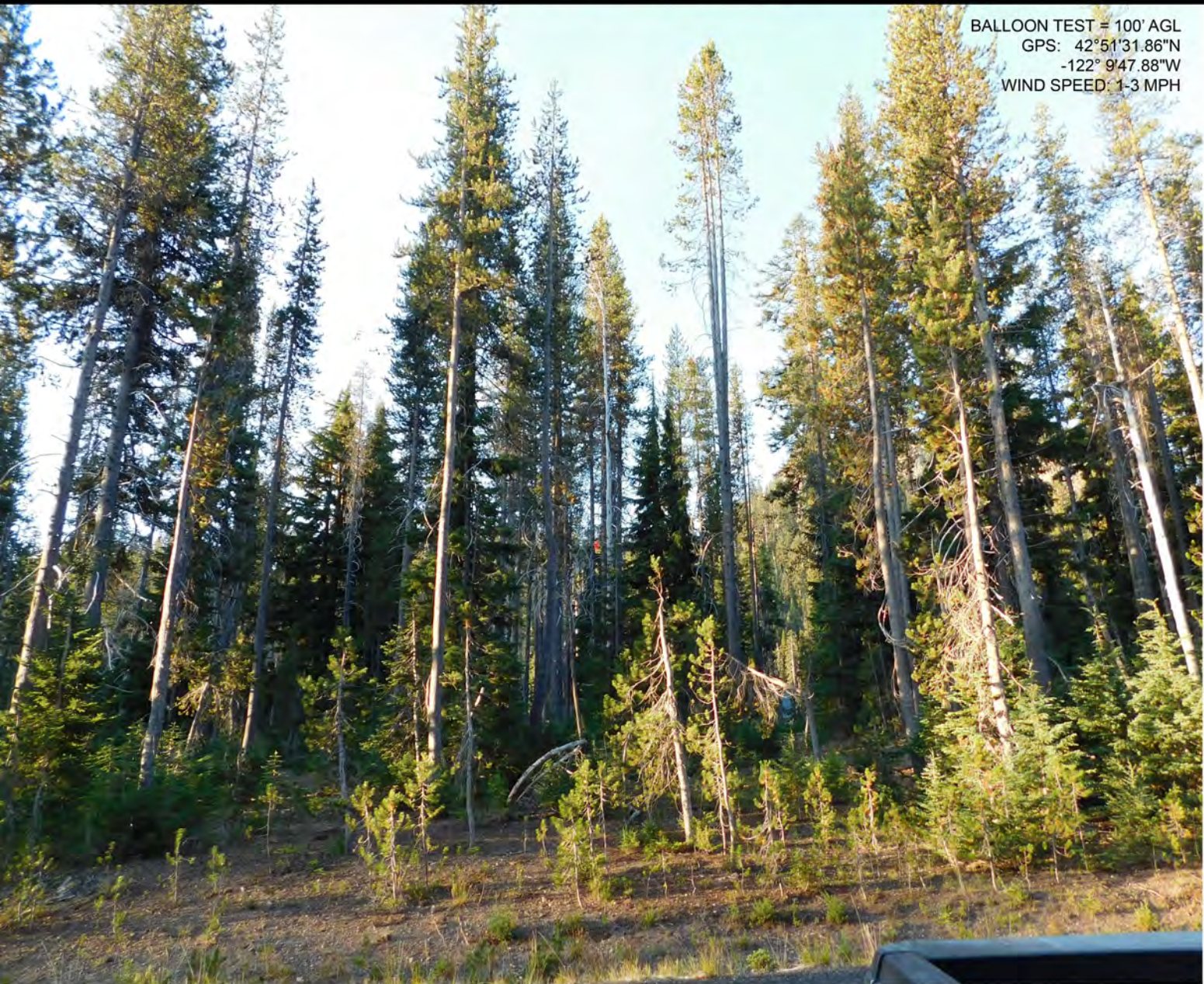
AERIAL OF SUBJECT AREA

- APPROX. PHOTO LOCATION
- APPROX. PROPOSED ANTENNA LOCATIONS

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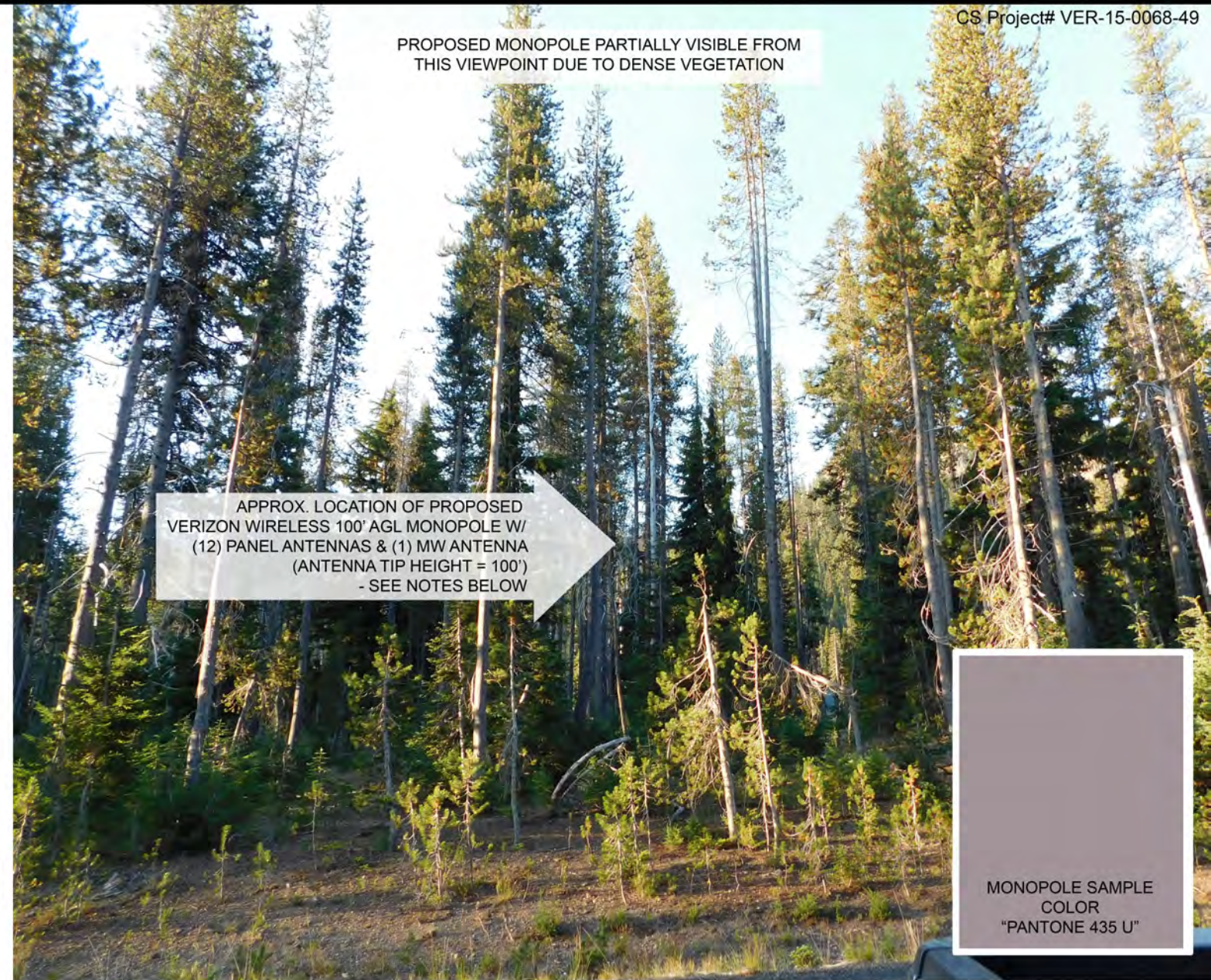
Mazama

Looking South from HWY 62



BALLOON TEST = 100' AGL
GPS: 42°51'31.86"N
-122° 9'47.88"W
WIND SPEED: 1-3 MPH

Existing



PROPOSED MONOPOLE PARTIALLY VISIBLE FROM THIS VIEWPOINT DUE TO DENSE VEGETATION

APPROX. LOCATION OF PROPOSED VERIZON WIRELESS 100' AGL MONOPOLE W/ (12) PANEL ANTENNAS & (1) MW ANTENNA (ANTENNA TIP HEIGHT = 100') - SEE NOTES BELOW

MONOPOLE SAMPLE COLOR
"PANTONE 435 U"

PHOTO SIMULATION

Proposed

- NOTES:**
1. PM/GC TO VERIFY PAINTING REQUIREMENTS WITH CRATER LAKE NATIONAL PARKS DIRECTOR PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.
 2. VISUAL IMPACTS WILL BE AFFECTED BY LOCATION AND VISIBILITY OF OBSERVER. THIS DOCUMENT IS FOR PLANNING AND INFORMATION PURPOSES ONLY AND IS CONCEPTUAL. THIS IS SOLELY THE PHOTOGRAPHER'S INTERPRETATION OF THE PROPOSED DEVELOPMENT.





Mazama

Looking South from HWY 62

CS Project# VER-15-0068-49



AERIAL OF SUBJECT AREA

- APPROX. PHOTO LOCATION
- APPROX. PROPOSED ANTENNA LOCATIONS

BALLOON TEST = 100' AGL
GPS: 42°51'31.86"N
-122° 9'47.88"W
WIND SPEED: 1-3 MPH



Existing



PROPOSED MONOPOLE PARTIALLY VISIBLE FROM THIS VIEWPOINT DUE TO DENSE VEGETATION

APPROX. LOCATION OF PROPOSED VERIZON WIRELESS 100' AGL MONOPOLE W/ (12) PANEL ANTENNAS & (1) MW ANTENNA (ANTENNA TIP HEIGHT = 100') - SEE NOTES BELOW

PHOTO SIMULATION

Proposed

NOTES:

1. PM/GC TO VERIFY PAINTING REQUIREMENTS WITH CRATER LAKE NATIONAL PARKS DIRECTOR PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.

2. VISUAL IMPACTS WILL BE AFFECTED BY LOCATION AND VISIBILITY OF OBSERVER. THIS DOCUMENT IS FOR PLANNING AND INFORMATION PURPOSES ONLY AND IS CONCEPTUAL. THIS IS SOLELY THE PHOTOGRAPHER'S INTERPRETATION OF THE PROPOSED DEVELOPMENT.



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Mazama

Looking Southeast from HWY 62

CS Project# VER-15-0068-49



AERIAL OF SUBJECT AREA

● APPROX. PHOTO LOCATION

● APPROX. PROPOSED ANTENNA LOCATIONS



Existing



PHOTO SIMULATION

Proposed

NOTES:

1. PM/GC TO VERIFY PAINTING REQUIREMENTS WITH CRATER LAKE NATIONAL PARKS DIRECTOR PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.

2. VISUAL IMPACTS WILL BE AFFECTED BY LOCATION AND VISIBILITY OF OBSERVER. THIS DOCUMENT IS FOR PLANNING AND INFORMATION PURPOSES ONLY AND IS CONCEPTUAL. THIS IS SOLELY THE PHOTOGRAPHER'S INTERPRETATION OF THE PROPOSED DEVELOPMENT.

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Looking Southeast from Campground Entrance

CS Project# VER-15-0068-49



AERIAL OF SUBJECT AREA

- APPROX. PHOTO LOCATION
- APPROX. PROPOSED ANTENNA LOCATIONS



BALLOON TEST = 100' AGL
GPS: 42°51'31.86"N
-122° 9'47.88"W
WIND SPEED: 1-3 MPH

Existing



PHOTO SIMULATION

Proposed

NOTES:

1. PM/GC TO VERIFY PAINTING REQUIREMENTS WITH CRATER LAKE NATIONAL PARKS DIRECTOR PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.

2. VISUAL IMPACTS WILL BE AFFECTED BY LOCATION AND VISIBILITY OF OBSERVER. THIS DOCUMENT IS FOR PLANNING AND INFORMATION PURPOSES ONLY AND IS CONCEPTUAL. THIS IS SOLELY THE PHOTOGRAPHER'S INTERPRETATION OF THE PROPOSED DEVELOPMENT.

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Looking South from Annies Restaurant

CS Project# VER-15-0068-49



AERIAL OF SUBJECT AREA

● APPROX.
PHOTO
LOCATION

● APPROX.
PROPOSED
ANTENNA
LOCATIONS



BALLOON TEST = 100' AGL
GPS: 42°51'31.86"N
-122° 9'47.88"W
WIND SPEED: 1-3 MPH

Existing



PHOTO SIMULATION

Proposed

NOTES:

1. PM/GC TO VERIFY PAINTING REQUIREMENTS WITH CRATER LAKE NATIONAL PARKS DIRECTOR PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.

2. VISUAL IMPACTS WILL BE AFFECTED BY LOCATION AND VISIBILITY OF OBSERVER. THIS DOCUMENT IS FOR PLANNING AND INFORMATION PURPOSES ONLY AND IS CONCEPTUAL. THIS IS SOLELY THE PHOTOGRAPHER'S INTERPRETATION OF THE PROPOSED DEVELOPMENT.

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Looking South from Cabins & Store

CS Project# VER-15-0068-49



AERIAL OF SUBJECT AREA

● APPROX.
PHOTO
LOCATION

● APPROX.
PROPOSED
ANTENNA
LOCATIONS

BALLOON TEST = 100' AGL
GPS: 42°51'31.86"N
-122° 9'47.88"W
WIND SPEED: 1-3 MPH



Existing



PHOTO SIMULATION

Proposed

NOTES:

1. PM/GC TO VERIFY PAINTING REQUIREMENTS WITH CRATER LAKE NATIONAL PARKS DIRECTOR PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.

2. VISUAL IMPACTS WILL BE AFFECTED BY LOCATION AND VISIBILITY OF OBSERVER. THIS DOCUMENT IS FOR PLANNING AND INFORMATION PURPOSES ONLY AND IS CONCEPTUAL. THIS IS SOLELY THE PHOTOGRAPHER'S INTERPRETATION OF THE PROPOSED DEVELOPMENT.



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Looking South from Campground

CS Project# VER-15-0068-49



AERIAL OF SUBJECT AREA

- APPROX. PHOTO LOCATION
- APPROX. PROPOSED ANTENNA LOCATIONS

BALLOON TEST = 100' AGL
GPS: 42°51'31.86"N
-122° 9'47.88"W
WIND SPEED: 1-3 MPH



Existing



PHOTO SIMULATION

Proposed

- NOTES:**
1. PM/GC TO VERIFY PAINTING REQUIREMENTS WITH CRATER LAKE NATIONAL PARKS DIRECTOR PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.
 2. VISUAL IMPACTS WILL BE AFFECTED BY LOCATION AND VISIBILITY OF OBSERVER. THIS DOCUMENT IS FOR PLANNING AND INFORMATION PURPOSES ONLY AND IS CONCEPTUAL. THIS IS SOLELY THE PHOTOGRAPHER'S INTERPRETATION OF THE PROPOSED DEVELOPMENT.

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Looking South from Munson Valley Road

CS Project# VER-15-0068-49



AERIAL OF SUBJECT AREA

● APPROX.
PHOTO
LOCATION

● APPROX.
PROPOSED
ANTENNA
LOCATIONS



BALLOON TEST = 100' AGL
GPS: 42°51'31.86"N
-122° 9'47.88"W
WIND SPEED: 1-3 MPH

Existing



PROPOSED MONOPOLE NOT VISIBLE
FROM THIS VIEWPOINT DUE TO DENSE
VEGETATION & TERRAIN

PHOTO SIMULATION

Proposed

NOTES:

1. PM/GC TO VERIFY PAINTING REQUIREMENTS WITH CRATER LAKE NATIONAL PARKS DIRECTOR PRIOR TO ORDERING SUPPORT STRUCTURES, ATTACHMENTS, ANTENNAS, AND OTHER APPURTENANCES.

2. VISUAL IMPACTS WILL BE AFFECTED BY LOCATION AND VISIBILITY OF OBSERVER. THIS DOCUMENT IS FOR PLANNING AND INFORMATION PURPOSES ONLY AND IS CONCEPTUAL. THIS IS SOLELY THE PHOTOGRAPHER'S INTERPRETATION OF THE PROPOSED DEVELOPMENT.