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Carbonado Water System History

Bird's eye view of Carbonado the booming coal town, circa 1890-1905. Courtesy of University of Washington libraries, special collections.

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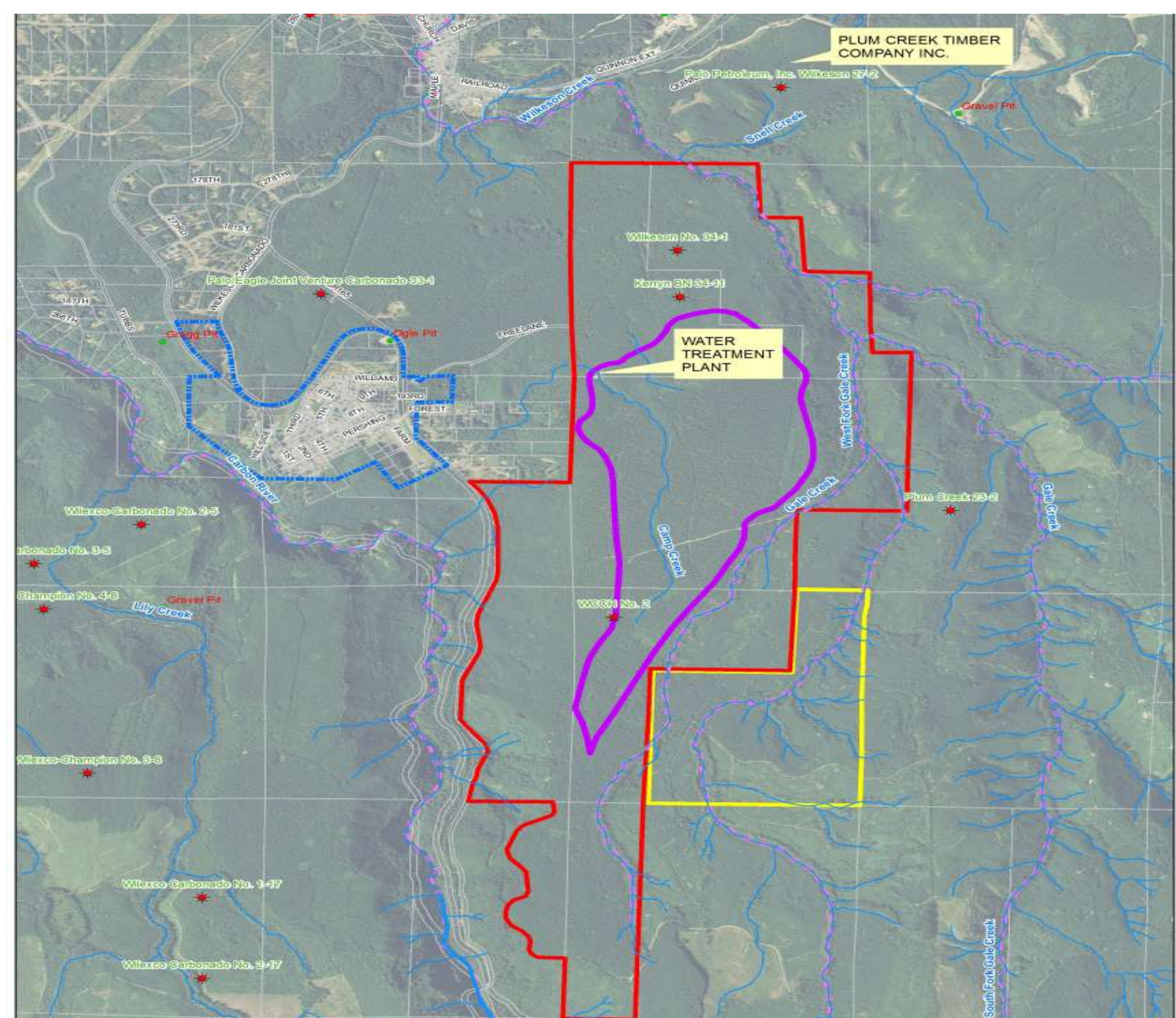
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- The Town of Carbonado has applied for various grants to trade/purchase approximately 800 acres from the White River School District. To date, this has been unsuccessful.
- **There are no formal agreements between the Town and the White River School District concerning source water protection. However, the Town of Carbonado has long-established water rights, ownership of all water system infrastructure and limited right of way easements.**



PLUM CREEK TIMBER COMPANY INC.

WATER TREATMENT PLANT

LEGEND:

- ★ OIL AND GAS WELLS - DNR
- MINERAL RESOURCES - ECOTRUST
- CREEKS & STREAMS
- SALMON DISTRIBUTION - DNR
- ▭ SOURCE PROTECTION AREA (SPA)
- ▭ WHITE RIVER SCHOOL DISTRICT PROPERTY (WRSD)
- ▭ TOWN OF CARBONADO LIMITS
- ▭ WASHINGTON STATE DNR PROPERTY
- ▭ PARCELS

N

0 2,000 4,000 Feet

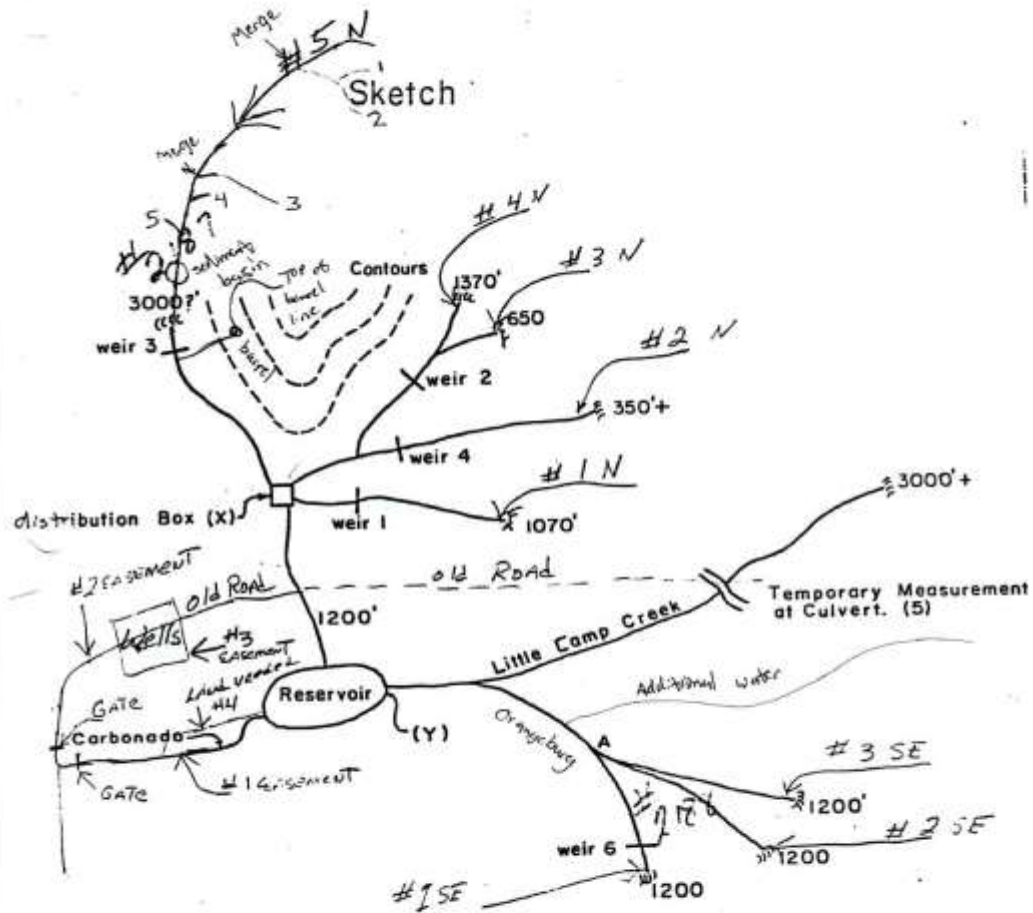
TOWN OF CARBONADO

2013 WATERSHED CONTROL PLAN
REGIONAL AERIAL MAP

Gray & Osborne, Inc.

L:\CARBONADO\12578 - SOURCE WATER PROTECTION PLAN\GIS\FIGURE X-1 WATERSHED.MXD

Carbonado



- ⊙ Spring Location
- Distance from distribution box or reservoir indicated.
- Water quality test locations.



Beginning of # 5 N. Spring Line



5 N. springs 1 and 2 collecting to the Y, source of springs surfacing



Merging of # 5 N. springs 1 and 2 and end of line



Start of 3rd Spring Line on # 5 N. and merge point



Additional water source (4) # 5 N., continuing to sediment basin



Additional water source (5) # 5 N., continuing to sediment basin



Water leaving the sediment basin, flowing into the catch bucket for the piping to distribution box.



Start of # 5 N. line

Catch barrel tying into # 5 N.



Clean out of # 5 N.



Square box are patches in lines



End of piping for #5 N.



Barrel line settling basin (KISS)



Barrel line bottom cap open during winter and closed during summer



Overhead view of Barrel line, settles debris, reduce turbidity to reduce costs of chemicals for treatment.



Gravity fall to # 5 N. Line



1 N. line beginning to end, notice wood pipe, used to help channel water around a mine shaft that had opened.



Flooded mine shaft opening near wood pipe



Collapsed mine shaft "dry"



Collection of the N. lines into distribution box and to the raw water reservoir.



Upper left, end of pipe # 5 N. line



Beginning of #1, #2 and #3 SE the Orangeburg Line, source of springs surfacing



End of piping of #1, #2 and #3 SE Orangeburg Line

End of Orangeburg Line prior to piping into Little Camp Creek





Where Orangeburg Line combines with additional lines and falls into Little Camp Creek



Little Camp Creek intake collection box looking upstream to water source



Little Camp Creek intake collection box looking downstream to water treatment facility and the pipe (at raw water reservoir) for the North Lines (used during summer months)



TOWN OF CARONADO WATER TREATMENT FACILITY. SETTLING PONDS ARE IN THE FOREGROUND, TREATMENT PLANT BUILDING IS IN THE BACKGROUND RIGHT, AND CYLINDRICAL FINISHED WATER STORAGE TANK IS IN BACKGROUND CENTER.