



# INSURANCE SERVICES OFFICE OF OREGON

721 S. W. OAK STREET, PORTLAND, OREGON 97205  
TELEPHONE (503) 226-2651



H. E. MARQUELING, MANAGER

May 9, 1977

The Board of Directors  
TILLAMOOK RURAL FIRE PROTECTION DISTRICT  
Post Office Box 545  
Tillamook OR 97141

Gentlemen:

As you may recall, an inspection of the Tillamook Rural Fire Protection District was made during October 1976. Our inspection of the City of Tillamook was made at the same time.

The evaluation based on our inspection has been completed and revised fire insurance rating information is being sent to the insurance companies and agents today.

Areas without hydrants and water mains were evaluated on the basis of the Supplemental Criteria now in use throughout Oregon. This schedule has been in use since 1972. Our evaluation under this schedule is a first time for your fire district.

Dwellings and specifically rated properties in Zone 1, shown on the enclosed zone reference map, and located within proper distances of hydrants are eligible for Protection Class 7 and Class 7(7a) respectively. This change affects only specifically rated properties.

Dwellings and specifically rated properties in Zone 1A without hydrant protection continue to be eligible for Class 8 and Class 9(9a) respectively.

In Zone 2, as determined by the supplemental criteria, dwellings are now on the basis of Class 9 and specifically rated properties will be Class 9(9b).

The effective date of these changes is May 19, 1977. Because of the complexity of fire insurance underwriting, it is suggested that local insurance agents be consulted by property owners interested in the effect of the change on specific situations.

We are enclosing a general recapitulation of the grading results (for Zone 1) which we believe will be of interest. Improvement recommendations based on the 1974 Grading Schedule for Municipal Fire Protection and the Supplemental Criteria schedule are available if they are desired.

continued-

May 9, 1977

Tillamook Rural Fire Protection District

The District and its officials are to be complimented on the improvements which have been made in the fire defenses. We are available for consultation should there be questions relating to the grading or fire insurance rates in general.

In closing, I would like to thank all officials for the assistance extended to personnel from this Office.

Very truly yours,

INSURANCE SERVICES OFFICE

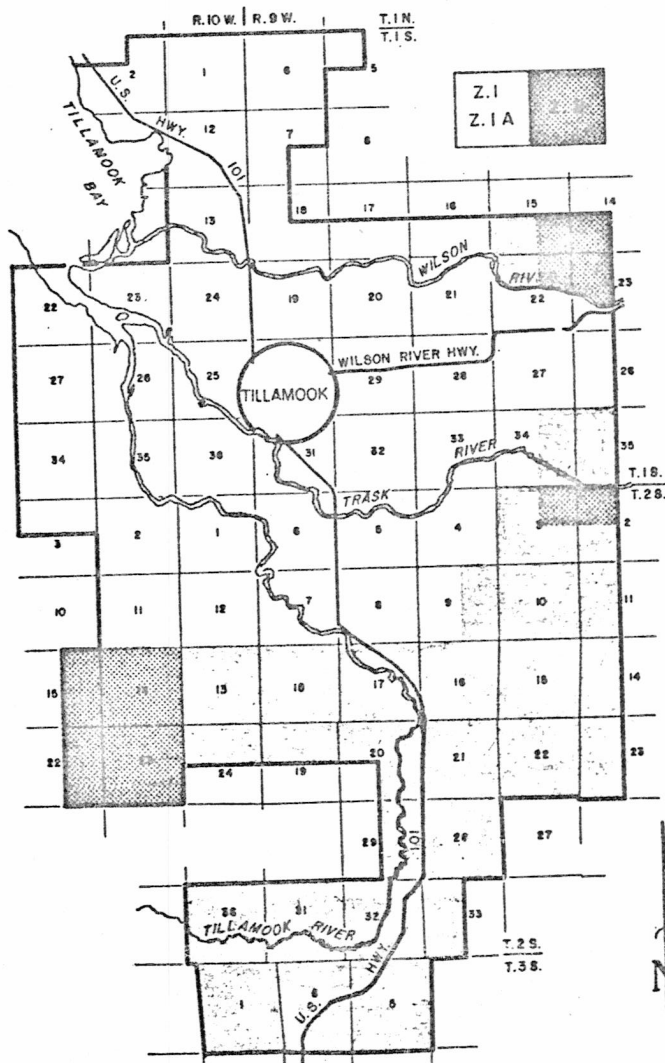


H. E. Marqueling  
Manager

ny/  
enclosures - as noted

cc with enclosures: Fire Chief Maurice Steinbach - Tillamook Fire Department

**ZONE REFERENCE MAP**



Zone boundaries are by quarter, half and sections, and by streams and rivers as shown.

**TILLAMOOK**  
RURAL FIRE PROTECTION DISTRICT  
3-7-77  
EWK

effective: May 19, 1977

INSURANCE SERVICES OFFICE of Oregon  
721 SW Oak Street  
Portland, Oregon 97205

Tillamook Rural Fire Protection District

Date Surveyed October 1976

GRADED WITH REFERENCE TO FIRE DEFENSES AND PHYSICAL CONDITIONS AS DETERMINED BY  
THE STANDARD GRADING SCHEDULE

	WATER SUPPLY	FIRE DEPARTMENT	FIRE SERVICE COMMUNICATIONS	FIRE SAFETY CONTROL	CLIMATIC CONDITIONS	DIVERGENCE	TOTAL POINTS	CLASS
POINTS OF DEFICIENCY	1,330	1,103	206	464	51	0	3,154	7

The class is based on a total maximum of 5,000 points of deficiency as follows:

RELATIVE CLASS      POINTS OF DEFICIENCY

First,            1 - 500  
Second,         501 - 1000  
Third,          1001 - 1500  
Fourth,         1501 - 2000  
Fifth,          2001 - 2500  
Sixth,          2501 - 3000  
Seventh,       3001 - 3500  
Eighth,         3501 - 4000

Ninth Class: 4001-4500 or receiving less than 4001 points but having no recognized water supply.

Tenth Class: More than 4500 points or without a recognized water supply and having a fire department grading over 1755 or with a water supply and no fire department or with no fire protection.

RELATIVE VALUES

	Points
Water Supply .....	1,950
Fire Department .....	1,950
Fire Service Communications .....	450
Fire Safety Control .....	650
TOTAL .....	5,000

Additional points of deficiency are applied under Climatic Conditions where these are in excess of the normal for the United States, and under Divergence where the gradings of Water Supply and Fire Department are greatly different.

# FIRE FLOW TESTS

Area Graded: Tillamook R.F.P.D. County: Tillamook State: Oregon  
 Engineer: A. Nisbet (Public Protection Department) Date: 10-11-76  
 Pumps and tanks operating during high value flow tests: Gravity and pump #1

HVD tests: System consumption rate during tests 0.30# MGD; Time of day 9:00AM to 4:00 p.m.  
 # No. 8 - Fairview W.D. /// \*System's source is City of Tillamook supply line

No.	LOCATION	PRESSURES-Lbs. Sq. In.			ORIFICE	DISCHARGE-G.P.M.				DISTRICT(*)
		Static	Resid.	Pitot		Observed	Rec.	20 lbs.	... lbs.	
1	*Tone Road Water Company 5th hydrant west of meter	90	10	4	1-2½"	340	2,000	300		RES/DAIRY
2	*Pleasant Valley Water System last hydrant S on system at Grange Hall	62	22	5	1-2½"	380	1,000	390		GRANGE HALL/RES
3	*Long Prairie Water System Brickyard Road, S of Long Prairie Road	82	17	9½/10½	2-2½"	1,060	1,750	1,000		HAY BARNS RES
4	*Fitzpatrick Water line only hydrant on system	80	none	32/32	2-2½"	1,900	750	1,900		RES
5	Wilson River Water System hydrant closest to tank	40	6	8	1-2½"	490	1,000	360		RES
6	Hydrant on Hwy 101 N of 2nd bridge from Tillamook at motel	58	20	4	1 3/4"	188	1,250	200		C
7	*Port of Tillamook 2nd hydrant from SE corner of Hanger "A"	80	69	27/30	2-2½"	1,790	9,000	4,500		IND
7a	Hanger "B" (same)	80	69	27/30	2-2½"	1,790	9,000	4,500		IND

\*DISTRICTS.

"Static" pressure indicates normal pressure in main at time of test.  
 "Residual" pressure indicates pressure in main during flow at hydrant.  
 "Pitot" pressure indicates measured velocity head of stream at hydrant outlet.  
 Column headed "Orifice," shows number and size of outlets opened.  
 "Observed" discharge shows flow computed from noted pressures.  
 "Recommended" discharge is the flow considered for fire insurance grading purposes.  
 "Discharge - 20 lbs.," is computed flow available for pumping engines.  
 "Discharge - ... lbs.," is computed flow available for direct hydrant streams.

C - Commercial  
 SC - Shopping Center  
 IND - Industrial  
 RES - Residential  
 INS - Institutional  
 \*\* - Single Risk (use with one of above)

All comments and recommendations made by the Insurance Services Office relate solely to fire insurance rating or grading considerations; no representations or warranties of any kind are intended or made.

## FIRE FLOW TESTS

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Engineer: \_\_\_\_\_ Date: 10-11-76

Pumps and tanks operating during high value flow tests: \_\_\_\_\_

HVD tests: System consumption rate during tests \_\_\_\_\_ MGD; Time of day \_\_\_\_\_ to \_\_\_\_\_

No.	LOCATION	PRESSURES-Lbs. Sq. In.			ORIFICE	DISCHARGE-G. P. M.				DISTRICT(*)
		Static	Resid.	Pitot		Observed	Rec.	20 lbs.	... lbs.	
8	Fairview Water System									
	Hydrant in front of Fairground									
	Fairgrounds	115	74	32/28	2-2½	1,840	3,000	2,900		C

**\*DISTRICTS.**

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