## FRUITLAND MUTUAL WATER CO.

P.O. Box 73759 • 4001 9th Street S.W. • Puyallup, WA 98373-0759 • (253) 848-5519

## FIRE FLOW TESTS

Area surveyed 207 27 <sup>th</sup> AVENUE S.E.									
Engineer: R. SMITH M. ZURFLUH Date: 19APRIL 01									
Specify pumps and tanks operating during high value flow tests: 3, 4 \ 5									
CLEAR - SUNNY 55°									
HVD tests: System consumption rate during tests   .   MGD; Time of day 1600te.									
	PRESSURES-LBS SQ IN DISCHARGE G.P.M. STATIC RESID. PITOT ORIFICE OBSERVED REC. 20 LBS L								*
LOCATION	STATIC	RESID.	PITOT					TR2	DISTRICT
FH (45ft W/O S. Sta)			40	22	1055		4080		
MERICIAN MOBILE ESTATES	95	90			ļ				
SPACE # 6									
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							* DIST	7.70	
Flow Formulas from Fair and Geyer - "Elements of Water Supply PB - Principal Business of Water Disposal."  Q1 (GPM) = 29.82 c d²/p SC - Shopping Center IND - Industrial RES - Residential RES - Residential INS - Institutional SR - Single Risk Static" pressure-(p <sub>S</sub> )-indicates normal pressure in main at time of test.  "Residual" pressure-(p <sub>P</sub> )-indicates pressure in main during flow at hydrant(s).  "Pitot" pressure-(p)-indicates measured velocity head of stream at hydrant outlet.  "Observed" discharge-(Q1)-shows flow computed from noted pressures.  "Discharge-20 psi"-(Q2)-is computed flow available for pumping engines.  "Recommended" Discharge-(Rec.)- is the flow considered for fire insurance grading purposes lumn headed "Orifice" shows number and size (inches) of outlets opened.									

for Fire use at designated residual pressures.
All comments and recommendations made by these Departments relate solely to Fire Insurance Rating or grading considerations and other uses by these Departments. No representations or warranties of any kind are intended or made.

NOTE: Tests are taken to determine ability of the distribution system to deliver supply