

STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

REPORT OF EXAMINATION
TO APPROPRIATE PUBLIC WATERS OF THE STATE OF WASHINGTON

- Surface Water (Issued in accordance with the provisions of Chapter 117, Laws of Washington for 1917, and amendments thereto, and the rules and regulations of the Department of Ecology.)
- Ground Water (Issued in accordance with the provisions of Chapter 263, Laws of Washington for 1945, and amendments thereto, and the rules and regulations of the Department of Ecology.)

| | | | |
|--------------------------|---------------------------------|---------------|--------------------|
| PRIORITY DATE 7-17-79 | APPLICATION NUMBER S 2-25289 | PERMIT NUMBER | CERTIFICATE NUMBER |
|--------------------------|---------------------------------|---------------|--------------------|

| | | | |
|--|---------------------|---------------|---------------------|
| NAME JOHN AND PATRICIA HILLION | | | |
| ADDRESS (STREET) 872 Wynoochee Valley Rd. | (CITY) Montesano | (STATE) WA | (ZIP CODE) 98563 |

PUBLIC WATERS TO BE APPROPRIATED

| | | |
|--|----------------------------------|----------------------------|
| SOURCE Cloquallum Creek | TRIBUTARY OF (IF SURFACE WATERS) | |
| MAXIMUM CUBIC FEET PER SECOND 0.4 | MAXIMUM GALLONS PER MINUTE | MAXIMUM ACRE-FEET PER YEAR |
| QUANTITY, TYPE OF USE, PERIOD OF USE 0.4cfs | irrigation | during irrigation season |

LOCATION OF DIVERSION/WITHDRAWAL

| |
|--|
| APPROXIMATE LOCATION OF DIVERSION-WITHDRAWAL 175 feet west and 475 feet north from the SE corner of Sec. 20 |
|--|

| | | | | | |
|--|---------------|-------------------|-------------------------------|----------------|-----------------|
| LOCATED WITHIN (SMALLEST LEGAL SUBDIVISION) SE 1/4 SE 1/4 | SECTION 20 | TOWNSHIP N. 19 | RANGE, (E. OR W.) W.M. 5W. | W.R.I.A. 22 | COUNTY MASON |
|--|---------------|-------------------|-------------------------------|----------------|-----------------|

RECORDED PLATTED PROPERTY

| | | |
|-----|-------|------------------------------------|
| LOT | BLOCK | OF (GIVE NAME OF PLAT OR ADDITION) |
|-----|-------|------------------------------------|

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Estimated flow of creek 20 c.f.s. check to see if Mr. Jones owns any of the property at this time.

DESCRIPTION OF PROPOSED WORKS

Small HP pump, portable sprinkler lines. Undetermined at this time whether the pump will be gas or electric.

DEVELOPMENT SCHEDULE

| | | |
|---|--|---|
| BEGIN PROJECT BY THIS DATE: December 1, 1980 | COMPLETE PROJECT BY THIS DATE: December 1, 1984 | WATER PUT TO FULL USE BY THIS DATE: December 1, 1985 |
|---|--|---|

REPORT OF EXAMINATION

~~PROVISIONS~~BACKGROUND:

This application was received and accepted in this office on July 17, 1979. The notice was published on August 16 and 23, 1979, in the Shelton-Mason County Journal. The application requests irrigation water from Cloquallum Creek in the amount of .40 cubic foot per second (180 gallons per minute) for irrigation of 20 acres.

INVESTIGATION:

I inspected the site on October 8, 1979. The property is located in a rural area with scattered homes surrounded by timber lands. Approximately one-third of the property is cleared and in pasture, the remainder is brush land with scattered timber. A few head of cattle were pastured on the property.

There is an existing Surface Water Permit No. S 2-22781 P appurtenant in part to the property described under this application; however, this permit is being cancelled as numerous attempts to contact the permittee have failed. The original permittee subdivided the original place of use and sold off the tracts without developing the water supply.

The estimated flow of Cloquallum Creek on October 8, 1979 was 20 cubic-feet per second.

There is 20 acres of land that is irrigable if the trees and brush are cleared.

The water requirement for irrigation in this climatic region is approximately 18 inches or 1.5 acre-feet per acre annually, (which includes a 30 percent application loss).

For the 20 acres found feasible under this application, the annual amount that is required is 30 acre-feet.

CONCLUSIONS:

In accordance with Section 90.03.290 RCW, I find that there is water available for appropriation from the source in question and that the diversion as recommended will not impair existing rights or be detrimental to the public welfare. Therefore, permit should issue, subject to existing rights and indicated provisions.

RECOMMENDATIONS:

I recommend this application be approved for .40 cubic-feet per second from May 1 to October 1 and 30 acre-feet annually for irrigation of 20 acres.

In accordance with the recommendations of the Departments of Fisheries and Game, the permit shall be issued subject to the following provisions: Diversion intake shall be tightly screened at all times with wire mesh having openings with dimensions not greater than 0.125 (1/8) inch.

Applicant should understand that the quantities recommended and the number of acres to be irrigated may be reduced at the time of issuance of a final water right commensurate with the capacity of the installed system and the number of acres actually irrigated.

This report of examination is subject to the provisions of Chapter 173-522 WAC as adopted in Olympia, Washington, March 10, 1976, and the general rules of the Department of Ecology as specified under Chapter 173-500 WAC.

Issuance of the permit and subsequent certificate of water right as herein applied for, shall be subject to the base flows as established at monitoring station 12.0325.00 at mile 1.9 within Sec. 36, T. 18 N., R. 6 W.W.M.

Whenever the flow of Cloquallum Creek drops to the established base flow as hereinafter shown for the above station, water use under this report of examination shall be subject to regulation. Said regulation shall be effective until flows at the above monitoring station exceeds the established base flow.

Base flow hydrographs, Appendix 1, Pages 19-23 in the document entitled "Water Resources Management Program in the Chehalis River Basin", dated November 1975, shall be used for definition of base flows on those days not specifically identified in WAC 173-522-020(2).

Continued on Next Page