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	APPLICATION NUMBER	PERMIT NUMBER	CERTIFICATE NUMBER
January 31, 1977	G 2-24382		

NAME
PUM SEA FARMS, INC.

ADDRESS (STREET)	(CITY)	(STATE)	(ZIP CODE)
20 0[illegible] Belfair Highway	Bremerton	Washington	98310

PUBLIC WATERS TO BE APPROPRIATED

SOURCE
4 wells

TRIBUTARY OF (IF SURFACE WATERS)

MAXIMUM CUBIC FEET PER SECOND	MAXIMUM GALLONS PER MINUTE	MAXIMUM ACRE-FEET PER YEAR
	6,000	9,600

QUANTITY, TYPE OF USE, PERIOD OF USE
9,600 acre-feet per year fish propagation and commercial use continuously

LOCATION OF PROPOSED WITHDRAWAL
Production Well #1 [illegible] feet east and [illegible] feet south, Well #2 1200 feet east and 200 feet south; Well #3 [illegible] 350 feet [illegible] and 200 feet south.

Commercial Well: 1600 feet east and 600 feet south. All from center of Section 36.

LOCATED WITHIN SMALLEST LEGAL SUBDIVISION	SECTION	TOWNSHIP	RANGE (E. OR W.) W.M.	W.R.I.A.	COUNTY
	36	16	3 W	23	Kitsap

RECORDED PLATTED PROPERTY

LOT	BLOCK	OF (GIVE NAME OF PLAT OR ADDITION)
Tracts 1 thru 7.		"Sargent Home Tracts"

LEGAL DESCRIPTION OF PROPERTY ON WHICH WATER IS TO BE USED

Tracts 1 thur 7 of "Sargent Home Tracts within Section 36, T. 16 N., R. 3 W.W.M.

DESCRIPTION OF PROPOSED WORKS

Presently, there are 8 concrete circular ponds 30' in diamter with a water depth of 3'. These 8 ponds discharge into a 60'x225' earth settling pond. Overflow water is piped to a 4 acre surface area reservoir. Ultimate plans are for two additional similar sets of concrete ponds, for a total of 24 circular ponds, three settling ponds, and an additional 4 acres reservoir. Production Wells #1 - 16"x105' #2 16"x100' #3 16"x100' Commercial well 8"x138'

DEVELOPMENT SCHEDULE

COMMENCE WORK BY THIS DATE:	COMPLETE PROJECT BY THIS DATE:	WATER PUT TO FULL USE BY THIS DATE:
Started	October 1, 1979	October 1, 1986

PROVISIONS

3 letters protesting the approval of this application were received in this office in March, 1977. These letters were signed by: the Department of Game, Phyllis Sheetsley Chandler, and Ellis H. Carson.

The basis of these objections are the possible effects on both the ground water in the area, and on Scatter Creek.

The applicants are engaged in a fish farming operation, raising Coho Salmon to plate size as a commercial enterprise. The facility will rely on ground water for its operation in rearing 320,000 pounds of fish per year. An analysis of the local ground water system was conducted by the applicants' consultants, Robinson and Noble, Inc.. This analysis consisted of measuring all available wells in the area for 2 miles up gradient, and 1 mile down gradient from the project area to establish initial conditions, since January 1977. Water level recorders were also placed on two abandoned wells, one within and one outside the cone of influence of the present production well #1, for 5 months prior to and during the shutdown test.

A ground water aquifer test was conducted on the existing production well on August 30, 1977. This well had been pumping since April at rates between 1000 and 1600 gpm.

Recovery levels were accurately measured in the test well and several surrounding wells. Recovery was plotted for 100 minutes and stability occurred within [illegible] of initial shutdown. The test well was pumped at a metered rate of 1440 gpm for 150 minutes and stability again occured within 20 minutes.

[illegible] shutdown test was then performed which showed similar results of the first test, with [illegible] recovery within 20 minutes.

The ground water aquifer tests indicate no apparent stress on the local ground water supply. The following recommendations and conditions will enable Dom Sea Farms Inc. to establish their project through a series of aquifer testing procedures. These tests will more adequately stress the aquifer in question to determine possible effects on the surrounding wells. If any interference with other ground water sources in the area results any permit issued under this application shall be regulated in order to protect all existing rights,

It is recommended that this application be approved for 6,000 gpm and 9,600 acre-feet per year for the purpose of fish propagation and commercial use.

Any permit issued under this application will be subject to the following conditions:
"A ground water aquifer test will be conducted upon completion of productions wells #2 and 3, in accordance with the following procedures

A. Measure and establish a recorder on a control well outside the expected area of influence. The recorder should operate for the duration of the test. Field elevations of all the following well sites, preferably with a corrected altimeter should also be obtained.

B. Monitor water levels in the Sheetsley, Carlson 1, P-1, TH-1, 6" abandoned well, Yerrington, and State Game Department wells before and at regular intervals during the test.

C. Measure initial conditions of the three wells on the property(P-1, TH-1, and abandoned well) for two or three days prior to testing to assure total recovery until the settling ponds are dry.

D. Conduct a minimum five (5) day aquifer test utilizing wells P-1, P-2 and P-3 at a total of 9,000 gpm and using T-1 and the abandoned well on the property as observation wells. The test will be terminated at the discretion of the Department of Ecology, may be longer than five days, and will follow procedures outlined in WRIS information bulletin 30, aquifer test procedures

E. It is extremely important that the water discharged during the test is conducted at least one-half (.5) mile away from the well site or stored in such a manner so as to assure absolutely no leakage back into the ground water system. The importance of this feature cannot be over emphasized because: (1) There is no evidence of any sealing layer above the water table; (2) Recirculation of such water would have a detrimental effect on the results of the test [illegible] most likely render it invalid.

An analysis of this test, along with copies of all basic data, are to be submitted to the Department of Ecology for review. Pending the results of the test/review further aquifer testing and/or test drilling may be necessary to adequately establish local ground water supply characteristics.

Upon completion of construction and testing of the well, the attached water well reports shall be immediately completed and forwarded to this office.

It should be noted that all or a portion of the waters withdrawn may be discharged such that they commingle with other public waters. Under the State's Pollution Control Law, any person who conducts a commercial or industrial operation of any type which results in the disposal of solid or liquid waste material into the waters of the state shall procure a permit from the Department of Ecology before disposing of such waste material. In view of this provision, the applicant is advised to contact the Department of Ecology, S.W. Region Olympia, Telephone (206) 753-2353, with regard to the need for compliance with this portion of the act.

The installation of an access port as described in attached Ground Water Bulletin No. 1 shall be required prior to issuance of final certificate of water right. The applicant may for his own convenience, wish to install an airline and gage in addition to the access port.

"All water wells constructed within the state shall meet the minimum standards for construction and maintenance as provided under Chapter 18.104 RCW (Washington Water Well Construction Act of 1971) and Chapter 173-160 WAC (Minimum Standards for Construction and Maintenance of Water Wells)."

Signed at Olympia, Washington,
this [illegible] day of [illegible], 1977.

Jon Page
Department of Ecology

State of
Washington
Department
of Ecology

FINDINGS CT AND DECISION

Upon review of the ab ort, I find that all facts relevant and material to the subject application ave been th ughly investigated. Furthermore, I find that water is available for appropriati for a beneficial e and that the appropriation thereof as recommended in the above report will not impair existing rights or be detrimental to the public welfare. Therefore, it is ORDERED that, subject to existing rights and the provisions herein, permit issue under Ground Water Application Number G 2-24382 of the appropriation of public waters in the amount and for the uses set forth in e foregoing report, in accordance with the examiner's conclusions and recommendations.

Signed at Olympia, Washington, th 18th day of Oct., 1977.

E. W. Asselstine, Regional Manager
Department of Ecology
Southwest Region