AQUIFER CLASSIFICATION WORK SHEET

DATE: October 18, 2007

AQUIFER MAPPER:

AQUIFER LOCATION: Vancouver – Quadra Sands

AQUIFER NUMBER: 0049

NTS MAP SHEET: 092G/2, 092G/3

BCGS TRIM Maps (1:20,000):

CLASSIFICATION: III B **RANKING: 9**

Aquifer Size: 73 km^2

Aquifer Boundaries:

Geologic Formation (overlying):

Geologic Formation (aquifer): Glaciomarine Quadra Sands.

Major Aquifer System Type: 4b. Confined sand and gravel aquifers of glacial or pre-glacial origin (glaciofluvial or glaciolacustrine)

Confined/Unconfined: Unconfined to confined

Vulnerability: Moderate

Productivity: Moderate

Depth to Water Table: Depth to water values for 14 wells range from 285 ft to 17 ft with a geometric mean of 120 ft. The median and average depth to water is 151 ft and 153 ft respectively.

Direction of Groundwater Flow:

Recharge:

Domestic Well Density:

Type of Water Use: Other. Commercial/industrial development.

Reliance on Source: Demand on the aquifer is low.

Conflicts Between Users:

Quantity Concerns (type, source, level of concern): None documented

Quality Concerns (type, source, level of concern): None documented.

Comments:

Worksheet prepared by Erin Park, from information in *Copy of Aquiferdatbase w attributes sep-12-07 (ep).xls*. Prepared on October 18, 2007.

References:

AQUIFER CLASSIFICATION AND RANKING

AQUIFER LOCATION: Vancouver – Quadra Sands

AQUIFER NUMBER: 0049

CLASSIFICATION: III B **RANKING VALUE: 9**

Classification Component:

Level of Development: Low

Level of Vulnerability: Moderate

Ranking Component:

	Ranking Value
Productivity:	**2**
Vulnerability:	**2**
Size:	**3**
Demand :	**1**
Type of Use:	**1**
Quality Concerns:	**0**
Quantity Concerns	**0**
Total:	**9**

Statistical Summary of Well Record Data for Aquifer # 0049

	Well Depth (ft)	***Depth to Water (ft)***	***Depth to Bedrock (ft)***	***Reported Well Yield (gpm)***
Number of Wells	22	14	0	9
Maximum	400	285	UNK	202
Minimum	35	17	UNK	1
Average	191	153	UNK	49
Median	200	151	UNK	25
Geometric Mean	156	120	UNK	20