

APPENDIX E

EXISTING WATER RIGHTS WITHIN THE MODEL DOMAIN

1.0 EXISTING WATER RIGHTS

The Washington State Water Rights Tracking System (WRTS) database was queried on December 6 and 7, 2006 (using the February 2006 version) to generate a list of water rights within the model domain that includes the following locations:

- T23N/R8E (sections 3,4,5,9,10,13,14,15,16,22,23,24,25,26)
- T24N/R8E (sections 19,20,21,26,28,30,31,32,33,34,35)
- T24N/R7E (sections 13,14)
- T23N/R9E (sections 3,4,5,6,7,8,9,10,15,16,17,18,19,20,21,22,27,28,29,30,31,32,33,34)

Active groundwater certificates were then identified from the resulting list (Table E-1). There are thirty-three existing groundwater rights within the model domain. The instantaneous quantity (Q_i) associated with these water rights is 3,961 gallons per minute (gpm), and the annual quantity (Q_a) of the water rights totals 1,844.2 acre-feet (AF) (the quantities do not include the duplicate Snoqualmie City water right).

This database search formed the basis of the steady-state extraction wells currently in the model. Each groundwater right was assigned model coordinates based on the quad designation provided in the WRTS database or in the well log, if available. In addition, some well locations were revised to match known Tier 1 well locations.

TABLE

TABLE E-1
Water Rights Review for Model Domain

Document Number ¹	Model x Coordinate ²	Model y Coordinate ²	Township	Section	Range	Quad	Purpose Code	Q _i GPM	Q _a acre- feet	Owner Name
G1-*00059SWRIS	1753761.979	189927.5023	24N	31	8E	SW/SE	MU	90	100	Snoqualmie City
G1-*00060SWRIS	1753761.979	189927.5023	24N	31	8E	SW/SE	MU	90	100	Snoqualmie City ⁵
G1-*03008CWRIS	1742788.021	207934.48	24N	14	7E	NA ³	IR	315	70	Baird D W
G1-*08597CWRIS	1774127.25	175481.622	23N	14	8E	NA ³	DS	15	1	Shepard E M & S F
G1-*10300CWRIS	1747509.76	207141.3359	24N	13	7E	NE/SW ⁴	DM	43	12	Spring Hill Development Co
G1-00142C	1777365.134	174625.28	23N	13	8E	NW/SW	DM	120	60	Stearns S C and P C
G1-20079CWRIS	1773851.771	165014.576	23N	26	8E	NA ³	DS	10	2	Vaughan Betty
G1-20316C	1757782.517	192533.8455	24N	32	8E	SE/NW	MU	600	500	Snoqualmie City
G1-20414CWRIS	1775999.289	172050.6632	23N	23	8E	NE/NE ⁴	DM	600	367	Riverbend Homesites ⁶
G1-20815CWRIS	1774806.161	177432.3927	23N	14	8E	NW/NE	DM, ST,FR	20	3	Daubert Walter
G1-21075CWRIS	1750169.953	205761.187	24N	13	7E	SE/SE	ST, IR, DS	15	4	Swanson Harry M
G1-21298CWRIS	1775999.289	172050.6632	23N	23	8E	NE/NE ⁴	DM	400	194	Riverbend Homesites ⁶
G1-21443CWRIS	1762856.54	175160.5385	23N	16	8E	NE/SW	DS, IR	25	10	Laws Marilou K
G1-21620CWRIS	1763696.886	186418.77	23N	4	8E	NA ³	CI	15	6	J & G Tire Shop
G1-21756ALCWRIS	1765603.203	180378.9071	23N	9	8E	NE/SE	IR	180	6	Thompson Cecil ⁷
G1-21795CWRIS	1742147.417	209956.1078	24N	14	7E	NE/NW ⁴	IR	70	10	Benoliel Ralph R
G1-22231CWRIS	1768352.979	185646.2579	23N	3	8E	NE/SW	DS, RE, HE, ST, FR, IR	100	20	Carlson William A
G1-22712CWRIS	1744791.602	205880.3068	24N	14	7E	SE/SE	DM	320	72	Spring Glenn Association
G1-23440CWRIS	1756475.637	201777.7472	24N	20	8E	NW/SW	DM	40	10	Gmazel Leroy ET UX
G1-23451CWRIS	1777339.846	173300.7872	23N	13	8E	SW/SW	DM, IR	100	27.8	Highline Public School Dist
G1-23619CWRIS	1786562.609	176994.513	23N	18	9E	NE/NE	DM	20	9	Anger Ronald B
G1-23810CWRIS	1784010.777	178350.5901	23N	7	9E	SE/SW	DM	50	9	Anderson Orland
G1-24240CWRIS	1779754.295	164039.5575	23N	25	8E	NW/SE	DS, IR	18	2	Chapman Jon
G1-24607CWRIS	1779754.295	164039.5575	23N	25	8E	NW/SE ⁴	DM	30	5	Weppler William B
G1-24779CWRIS	1762856.54	175160.5385	23N	16	8E	NE/SW	DM	4	4.5	Rocky Ridge Water
G1-24839CWRIS	1757788.101	200436.0186	24N	20	8E	SE/SW	MI	250	200	Kenmore Per Mix Co
G1-24865CWRIS	1773754.233	194875.809	24N	26	8E	SE/SW	DM	33	2.8	Lynch Levin M
G1-24975CWRIS	1783890.216	173104.046	23N	18	9E	SE/SW	DM	91	102	Sallal Water Association
G1-25153	1790321.03	171717.6998	23N	20	9E	NW/NE	DM	40	7.5	Ferris
G1-25168CWRIS	1764230.385	177755.4264	23N	16	8E	NW/NE	DM	23	4.5	Smith Brett
G1-25200CWRIS	1767675.474	191674.589	24N	34	8E	W1/4 ⁴	HE, FR, IR	300	16.6	Streissguth Mark
G1-25714CWRIS	1772353.854	192249.3283	24N	35	8E	SW/NW	DM	14	2.5	Wingness Acres Water
G1-26276CWRIS	1763099.766	197769.0547	24N	28	8E	SE/NW	DM	10	4	Humphrey Water System

NOTES

Abbreviations: CI: Commercial and Industrial Manufacturing; DM: Domestic Multiple; DS: Domestic Single; FR: Fire Protection; GPM: gallons per minute; HE: Heat Exchange; IR: Irrigation; MI: Mining; MU: Domestic Municipal; RE: Recreation and Beautification; ST: Stock Watering

1. Only active groundwater certificates shown based upon Washington State Department of Ecology water rights database (WRATS) search using February 2006 version.
2. Model coordinates are in Washington State Plane North NAD27, in feet.
3. NA indicates quad designation was not provided in database review, and well log was not available.
4. Quad indicated on Washington State Department of Ecology well log.
5. Represented model pumping at this location as 90 gpm.
6. Water rights for Riverbend Homesites is represented at 1,000 gpm in the model (600 gpm for G1-20414CWRIS and 400 gpm for G1-21756ALCWRIS).
7. Duplicate certificate listed in the database as T23N/R8E Section 16; well logs not available to confirm; selected Section 9 listed here for model representation.