Appendix B. Groundwater Discharge Analysis Results

Table B-1. Discharge Analysis - 2,4-DDD

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	0	0	35	353	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	2	21	9	93	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	0	0	7	73	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	0	5	50	100	998
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	0	0	85	848	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	0	0	39	386	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	2	21	702	7022	2128	21277

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-2. Discharge Analysis - 2,4-DDE

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	0	0	35	353	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	2	21	9	93	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	0	0	7	73	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	0	20	199	85	849
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	0	0	85	848	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	0	0	39	386	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	2	21	717	7171	2113	21128

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-3. Discharge Analysis - 2,4-DDT

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	0	0	35	353	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	2	21	9	93	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	0	0	7	73	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	0	5	50	100	998
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	0	0	85	848	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	0	0	39	386	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	2	21	702	7022	2128	21277

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-4. Discharge Analysis - 4,4-DDD

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	3	33	32	321	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	3	30	8	84	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	0	0	7	73	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	50	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	0	0	85	848	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	0	0	39	386	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	6	65	698	6980	2127	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-5. Discharge Analysis - 4,4-DDE

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	3	33	32	321	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	3	30	8	84	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	0	0	7	73	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	50	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	0	0	85	848	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	0	0	39	386	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	6	65	698	6980	2127	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-6. Discharge Analysis - 4,4-DDT

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	3	33	32	321	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	3	30	8	84	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	0	0	7	73	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	50	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	0	0	85	848	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	0	0	39	386	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	6	65	698	6980	2127	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-7. Discharge Analysis - Acenaphthene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-8. Discharge Analysis - Acenaphthylene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-9. Discharge Analysis - Anthracene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	12	124	23	229	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	33	325	672	6720	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-10. Discharge Analysis - Fluorene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	12	124	23	229	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	33	325	672	6720	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-11. Discharge Analysis - Naphthalene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	12	123	23	230	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	3	170	1700	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	33	326	672	6718	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-12. Discharge Analysis - Phenanthrene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	12	124	23	229	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	33	325	672	6720	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-13. Discharge Analysis - Benz(a)anthracene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-14. Discharge Analysis - Benzo[a]pyrene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-15. Discharge Analysis - Benzo(b)fluoranthene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-16. Discharge Analysis - Benzo[g,h,i]perylene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	15	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	52	80	796	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	1	44	443	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	306	674	6739	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-17. Discharge Analysis - Benzo[k]fluoranthene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-18. Discharge Analysis - Chrysene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-19. Discharge Analysis - Dibenzo[a,h]anthracene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-20. Discharge Analysis - Fluoranthene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	15	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	52	80	796	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	1	44	443	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	306	674	6739	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-21. Discharge Analysis - Indeno[1,2,3-c,d]pyrene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	51	80	797	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	308	674	6737	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-22. Discharge Analysis - Pyrene

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	1	5	46	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	246	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	6	59	6	55	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	33	143	1433	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	15	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	2	5	49	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	2	23	123	1234	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	5	52	80	796	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	1	44	443	169	1686
Totals	1.02E+09	32345	100	2832	28320	31	306	674	6739	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-23. Discharge Analysis - Diesel Range Organics

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	1	6	4	44	38	381
Commencement Bay	1.27E+07	404	1.2	35	353	14	140	21	213	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	8	78	4	36	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	7	75	140	1404	132	1319
Port Gardner	7.66E+06	243	0.8	21	213	2	22	5	51	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	1	5	5	46	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	6	55	120	1202	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	11	109	74	739	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	2	17	37	369	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	1	12	44	436	168	1683
Totals	1.02E+09	32345	100	2832	28320	52	519	654	6545	2126	21256

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-24. Discharge Analysis - Gasoline Range Organics

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	3	4	44	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	14	140	21	213	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	9	93	2	21	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	6	62	140	1404	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	18	5	55	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	1	5	5	46	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	6	55	120	1202	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	12	120	74	739	547	5475
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	7	38	378	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	1	8	44	440	168	1683
Totals	1.02E+09	32345	100	2832	28320	51	513	655	6547	2126	21260

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-25. Discharge Analysis - Lube Oil

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	3	4	44	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	14	140	21	213	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	9	93	2	21	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	6	62	142	1416	132	1319
Port Gardner	7.66E+06	243	0.8	21	213	2	19	5	54	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	1	5	5	46	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	6	55	120	1202	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	11	109	74	739	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	0	0	39	386	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	1	8	44	440	168	1683
Totals	1.02E+09	32345	100	2832	28320	50	496	657	6566	2126	21258

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-26. Discharge Analysis - Arsenic

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	2	5	45	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	10	99	25	255	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	1	6	18	179	145	1451
Elliott Bay	4.11E+06	130	0.4	11	114	3	33	8	81	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	2	23	144	1442	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	20	5	53	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	3	5	48	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	3	33	81	815	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	2	20	37	365	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	24	240	681	6812	2127	21269

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-27. Discharge Analysis - Cadmium

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	10	101	25	253	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	4	40	7	74	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	26	144	1440	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	21	5	52	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	3	5	48	100	997
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	3	33	82	815	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	3	26	36	360	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	25	249	680	6796	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-28. Discharge Analysis - Copper

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	2	5	45	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	5	53	30	300	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	2	24	9	90	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	16	6	57	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	3	5	48	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	2	21	83	827	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	3	27	36	359	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	15	146	690	6899	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-29. Discharge Analysis - Lead

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	1	6	4	41	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	107	25	247	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	7	68	5	46	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	6	56	142	1419	132	1322
Port Gardner	7.66E+06	243	0.8	21	213	2	20	5	53	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	4	5	47	100	997
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	3	32	123	1225	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	4	43	81	805	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	2	23	36	362	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	3	44	441	169	1686
Totals	1.02E+09	32345	100	2832	28320	36	363	669	6692	2127	21266

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-30. Discharge Analysis - Mercury

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	11	106	25	248	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	3	32	8	82	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	2	20	145	1446	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	2	17	6	56	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	3	5	49	100	997
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	1	8	84	840	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	2	24	36	362	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	21	209	684	6836	2128	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-31. Discharge Analysis - Zinc

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	3	4	44	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	4	42	31	312	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	4	41	7	73	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	2	22	144	1444	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	1	15	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	4	5	48	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	1	6	84	842	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	3	31	35	355	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	16	163	688	6882	2127	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-32. Discharge Analysis - Bis(2-ethylhexyl)phthalate

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	5	49	30	305	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	4	37	8	77	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	3	28	144	1438	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	1	15	6	58	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	3	5	48	100	996
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	2	19	83	829	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	2	15	37	370	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	17	166	688	6879	2127	21275

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-33. Discharge Analysis - Total TCDD

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	2	20	33	334	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	0	0	11	114	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	0	0	7	73	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	0	5	50	100	998
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	0	0	85	848	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	3	32	701	7012	2128	21277

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.

Table B-34. Discharge Analysis - Total TCDF

Sub-Basin	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (m^3/yr)[A]	Total annual Recharge Zone recharge ($R_{RASA\ RZ}$) (L/sec)[A]	Recharge as percent of total (%)	Low-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[B]	High-flow Scenario: Proportion of total discharge ($R_{SB\ RZ}$) (L/sec)[C]	Low flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Impacted Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	Low flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]	High flow Scenario: Non-urban Ambient Area discharge rate ($Q_{SB\ DD}$) (L/sec)[D]
Admiralty Inlet	1.55E+07	493	1.5	43	432	0	0	5	47	38	384
Commencement Bay	1.27E+07	404	1.2	35	353	2	20	33	334	0	0
Hood Canal North	5.89E+07	1869	5.8	164	1637	0	0	18	179	146	1458
Elliott Bay	4.11E+06	130	0.4	11	114	0	0	11	114	0	0
Hood Canal South	2.07E+08	6557	20.3	574	5741	0	0	0	0	574	5741
Strait of Juan de Fuca	2.35E+07	744	2.3	65	651	0	0	12	124	53	528
Main Basin	1.01E+08	3195	9.9	280	2797	0	0	147	1466	133	1331
Port Gardner	7.66E+06	243	0.8	21	213	0	0	7	73	14	139
San Juan Islands	3.77E+07	1197	3.7	105	1048	0	0	5	50	100	998
Sinclair/Dyes Inlet	6.40E+07	2030	6.3	178	1777	0	0	126	1257	52	520
South Sound East	1.31E+08	4148	12.8	363	3632	0	0	170	1702	193	1929
South Sound West	2.28E+08	7234	22.4	633	6334	0	0	85	848	549	5486
Strait of Georgia	5.26E+07	1669	5.2	146	1461	1	12	37	374	108	1076
Whidbey Basin	7.67E+07	2433	7.5	213	2130	0	0	44	444	169	1686
Totals	1.02E+09	32345	100	2832	28320	3	32	701	7012	2128	21277

[A] - Assumes a 1500-wide *recharge zone* immediately inland of the sub-basin shoreline.

[B] - Assumes total groundwater discharge rate to Puget Sound of 2832 L/sec ($Q_{DD\ RASA}$)

[C] - Assumes total groundwater discharge rate to Puget Sound of 28320 L/sec ($Q_{DD\ RASA}$)

[D] - Discharge values derived using sub-basin shoreline classification values.