Table 8.4-1. Summary of Human Health Risks, Reasonable Maximum Exposures.

			Exposure Area											
Receptor	**Exposure Medium Scenario**	**Endpoint**	**RM 2**	**RM 3**	**RM 4**	**RM 5**	**RM 6**	**RM 7**	**RM 8**	**Swan Island Lagoon**	**RM 9**	**RM 10**	**RM 11**	**Study-Area Wide**
Dockside Workers	Beach sediment	Cancer Risk	7.E-07 (B002) 2.E-06 (B004) 6.E-07 (B006)	--	--	6.E-07 (05B019)	9.E-05 (06B025) 1.E-06 (06B029)	5.E-07 (07B022)	5.E-07 (08B032)	--	--	--	--	--
		Hazard Index	0.01 (B002) 0.07 (B004) 0.004 (B006)	--	--	0.004 (05B019)	0.005 (06B025) 0.002 (06B029)	0.003 (07B022)	0.004 (08B032)	--	--	--	--	--
		Breastfeeding Infant Hazard Index	0.1 (B002) 1 (B004) 0.01 (B006)	--	--	--	0.03 (06B025)	--	0.01 (08B032)	--	--	--	--	--
In-Water Workers	In-water sediment	Cancer Risk	9.E-08 (2W) 3.E-07 (2E) 2.E-07 (2.5W) 8.E-07 (2.5E)	2.E-07 (3W) 1.E-07 (3E) 6.E-07 (3.5W) 6.E-07 (3.5E)	2.E-07 (4W) 5.E-07 (4E) 4.E-07 (4.5W) 2.E-06 (4.5E)	7.E-07 (5W) 2.E-07 (5E) 8.E-07 (5.5W) 3.E-07 (5.5E)	9.E-06 (6W) 4.E-07 (6E) 7.E-07 (6.5W) 3.E-07 (6.5E)	2.E-05 (7W) 4.E-07 (7E) 1.E-07 (7.5W) 9.E-08 (7.5E)	3.E-07 (8W) 3.E-07 (8E) 1.E-06 (8.5W) 2.E-07 (8.5E)	4.E-07	3.E-07 (9W) 1.E-07 (9E) 2.E-07 (9.5W) 8.E-08 (9.5E)	6.E-07 (10W) 1.E-07 (10E) 1.E-07 (10.5W)	1.E-07 (11W) 3.E-07 (11E) 7.E-08 (11.5W)	2.E-06
		Hazard Index	0.001 (2W) 0.02 (2E) 0.002 (2.5W) 0.002 (2.5E)	0.1 (3W) 0.1 (3E) 0.1 (3.5W) 0.2 (3.5E)	0.1 (4W) 0.1 (4E) 0.1 (4.5W) 0.1 (4.5E)	0.1 (5W) 0.1 (5E) 0.1 (5.5W) 0.1 (5.5E)	0.1 (6W) 0.1 (6E) 0.2 (6.5W) 0.2 (6.5E)	1 (7W) 0.1 (7E) 0.1 (7.5W) 0.1 (7.5E)	0.1 (8W) 0.1 (8E) 0.2 (8.5W) 0.1 (8.5E)	0.2	0.1 (9W) 0.002 (9E) 0.005 (9.5W) 0.002 (9.5E)	0.01 (10W) 0.001 (10E) 0.002 (10.5W) 0.002 (10.5E)	0.001 (11W) 0.03 (11E) 0.001 (11.5W)	0.2
		Breastfeeding Infant Hazard Index	0.003 (2W) 0.2 (2E) 0.003 (2.5W) 0.01 (2.5E)	0.003 (3W) 0.004 (3E) 0.004 (3.5W) 0.3 (3.5E)	0.005 (4W) 0.05 (4E) 0.01 (4.5W) 0.01 (4.5E)	0.01 (5W) 0.004 (5E) 0.01 (5.5W) 0.03 (5.5E)	0.01 (6W) 0.03 (6E) 0.03 (6.5W) 0.2 (6.5E)	2 (7W) 0.02 (7E) 0.04 (7.5W) 0.01 (7.5E)	0.06 (8W) 0.09 (8E) 1 (8.5W) 0.01 (8.5E)	0.1	0.3 (9W) 0.01 (9E) 0.05 (9.5W) 0.01 (9.5E)	0.07 (10W) 0.01 (10E) 0.01 (10.5W) 0.02 (10.5E)	0.005 (11W) 0.6 (11E) 0.004 (11.5W)	0.2
Transients	Beach sediment	Cancer Risk	--	3.E-07 (03B030)	--	--	4.E-07 (06B022)	3.E-07 (07B024)	--	1.E-07 (07B023)	4.E-07 (09B026)	--	--	--
		Hazard Index	--	0.06 (03B030) 0.1 (03B031)	--	--	0.08 (06B022)	0.06 (07B024)	--	0.04 (07B023)	0.06 (09B026) 0.08 (09B027)	--	--	--
	Surface water	Cancer Risk	7.E-07 (W025)	--	6.E-07 (W005)	--	6.E-07 (W014) 9.E-07 (W011)	--	--	--	--	--	6.E-07 (W023)	9.E-07
		Hazard Index	0.06 (W025)	--	0.3 (W005)	--	0.05 (W014) 0.05 (W011)	--	--	--	--	--	0.3 (W023)	0.3
	Groundwater seep	Cancer Risk	--	--	--	--	3.E-09 (OF22B)	--	--	--	--	--	--	--
		Hazard Index	--	--	--	--	0.006 (OF22B)	--	--	--	--	--	--	--
Divers (Wet Suit)	In-water sediment	Cancer Risk	1.E-07 (2W) 1.E-06 (2E) 4.E-07 (2.5W) 3.E-06 (2.5E)	5.E-07 (3W) 2.E-07 (3E) 2.E-06 (3.5W) 2.E-06 (3.5E)	4.E-07 (4W) 2.E-06 (4E) 1.E-06 (4.5W) 5.E-06 (4.5E)	2.E-06 (5W) 4.E-07 (5E) 2.E-06 (5.5W) 7.E-07 (5.5E)	3.E-05 (6W) 1.E-06 (6E) 1.E-06 (6.5W) 6.E-07 (6.5E)	3.E-05 (7W) 8.E-07 (7E) 3.E-07 (7.5W) 1.E-07 (7.5E)	6.E-07 (8W) 7.E-07 (8E) 3.E-06 (8.5W) 3.E-07 (8.5E)	1.E-06	7.E-07 (9W) 1.E-07 (9E) 4.E-07 (9.5W) 1.E-07 (9.5E)	9.E-07 (10W) 3.E-07 (10E) 1.E-07 (10.5W)	2.E-07 (11W) 8.E-07 (11E) 9.E-08 (11.5W)	4.E-06
		Hazard Index	0.001 (2W) 0.03 (2E) 0.001 (2.5W) 0.002 (2.5E)	0.01 (3W) 0.02 (3E) 0.02 (3.5W) 0.1 (3.5E)	0.02 (4W) 0.02 (4E) 0.02 (4.5W) 0.02 (4.5E)	0.02 (5W) 0.02 (5E) 0.02 (5.5W) 0.02 (5.5E)	0.02 (6W) 0.02 (6E) 0.03 (6.5W) 0.03 (6.5E)	0.6 (7W) 0.02 (7E) 0.02 (7.5W) 0.02 (7.5E)	0.02 (8W) 0.03 (8E) 0.1 (8.5W) 0.02 (8.5E)	0.05	0.04 (9W) 0.002 (9E) 0.005 (9.5W) 0.001 (9.5E)	0.01 (10W) 0.001 (10E) 0.001 (10.5W) 0.002 (10.5E)	0.001 (11W) 0.04 (11E) 0.001 (11.5W)	0.1
		Breastfeeding Infant Hazard Index	0.004 (2W) 0.3 (2E) 0.004 (2.5W) 0.02 (2.5E)	0.004 (3W) 0.005 (3E) 0.01 (3.5W) 0.4 (3.5E)	0.01 (4W) 0.1 (4E) 0.01 (4.5W) 0.01 (4.5E)	0.01 (5W) 0.01 (5E) 0.01 (5.5W) 0.04 (5.5E)	0.01 (6W) 0.04 (6E) 0.03 (6.5W) 0.3 (6.5E)	1 (7W) 0.02 (7E) 0.05 (7.5W) 0.009 (7.5E)	0.1 (8W) 0.1 (8E) 2 (8.5W) 0.01 (8.5E)	0.1	0.5 (9W) 0.02 (9E) 0.1 (9.5W) 0.01 (9.5E)	0.1 (10W) 0.01 (10E) 0.01 (10.5W) 0.03 (10.5E)	0.01 (11W) 0.8 (11E) 0.005 (11.5W)	0.1
	Surface water	Cancer Risk	2.E-08 (2W) 2.E-08 (2E) 7.E-08 (W025)	2.E-07 (3W) 1.E-07 (3.5E)	3.E-08 (4W) 3.E-07 (4E) 1.E-06 (4.5E) 1.E-07 (W005)	3.E-08 (5.5W) 2.E-08 (5.5E)	1.E-05 (6W) 6.E-07 (6.5W) 2.E-07 (6.5E) 1.E-07 (W011)	3.E-07 (7W) 2.E-08 (7.5W)	4.E-08 (8.5W)	4.E-07	7.E-07 (9.5W) 1.E-08 (9.5E)	--	1.E-07 (W023)	--
		Hazard Index	0.0001 (2W) 0.002 (2E) 0.0001 (W025)	0.0001 (3W) 0.0001 (3.5E)	0.0001 (4W) 0.0001 (4E) 0.0001 (4.5E) 0.003 (W005)	0.0001 (5.5W) 0.0001 (5.5E)	0.0001 (6W) 0.0001 (6.5W) 0.0002 (6.5E) 0.0001 (W011)	0.003 (7W) 0.0001 (7.5W)	0.0001 (8.5W)	0.006	0.0001 (9.5W) 0.0001 (9.5E)	--	0.003 (W023)	--
Divers (Dry Suit)	In-water sediment	Cancer Risk	4.E-08 (2W) 2.E-07 (2E) 9.E-08 (2.5W) 5.E-07 (2.5E)	1.E-07 (3W) 6.E-08 (3E) 3.E-07 (3.5W) 3.E-07 (3.5E)	1.E-07 (4W) 3.E-07 (4E) 3.E-07 (4.5W) 1.E-06 (4.5E)	5.E-07 (5W) 8.E-08 (5E) 5.E-07 (5.5W) 2.E-07 (5.5E)	6.E-06 (6W) 3.E-07 (6E) 3.E-07 (6.5W) 2.E-07 (6.5E)	1.E-05 (7W) 2.E-07 (7E) 7.E-08 (7.5W) 4.E-08 (7.5E)	1.E-07 (8W) 2.E-07 (8E) 7.E-07 (8.5W) 8.E-08 (8.5E)	3.E-07	2.E-07 (9W) 4.E-08 (9E) 1.E-07 (9.5W) 3.E-08 (9.5E)	3.E-07 (10W) 7.E-08 (10E) 4.E-08 (10.5W)	5.E-08 (11W) 2.E-07 (11E) 3.E-08 (11.5W)	9.E-07
		Hazard Index	0.0003 (2W) 0.01 (2E) 0.0003 (2.5W) 0.0005 (2.5E)	0.01 (3W) 0.02 (3E) 0.01 (3.5W) 0.02 (3.5E)	0.02 (4W) 0.02 (4E) 0.02 (4.5W) 0.02 (4.5E)	0.01 (5W) 0.02 (5E) 0.02 (5.5W) 0.01 (5.5E)	0.02 (6W) 0.01 (6E) 0.02 (6.5W) 0.02 (6.5E)	0.2 (7W) 0.02 (7E) 0.02 (7.5W) 0.02 (7.5E)	0.02 (8W) 0.02 (8E) 0.04 (8.5W) 0.02 (8.5E)	0.02	0.02 (9W) 0.0004 (9E) 0.001 (9.5W) 0.0003 (9.5E)	0.002 (10W) 0.0003 (10E) 0.0003 (10.5W)	0.0002 (11W) 0.007 (11E) 0.0002 (11.5W)	0.03
		Breastfeeding Infant Hazard Index	0.001 (2W) 0.1 (2E) 0.001 (2.5W) 0.003 (2.5E)	0.001 (3W) 0.001 (3E) 0.001 (3.5W) 0.1 (3.5E)	0.001 (4W) 0.01 (4E) 0.002 (4.5W) 0.002 (4.5E)	0.001 (5W) 0.001 (5E) 0.002 (5.5W) 0.01 (5.5E)	0.003 (6W) 0.01 (6E) 0.01 (6.5W) 0.1 (6.5E)	0.4 (7W) 0.004 (7E) 0.01 (7.5W) 0.002 (7.5E)	0.02 (8W) 0.02 (8E) 0.3 (8.5W) 0.003 (8.5E)	0.03	0.1 (9W) 0.004 (9E) 0.01 (9.5W) 0.002 (9.5E)	0.02 (10W) 0.002 (10E) 0.002 (10.5W) 0.006 (10.5E)	0.001 (11W) 0.1 (11E) 0.001 (11.5W)	0.03
	Surface water	Cancer Risk	2.E-08 (2W) 1.E-08 (2E) 2.E-08 (W025)	4.E-08 (3W) 3.E-08 (3.5E)	1.E-08 (4W) 5.E-08 (4E) 1.E-07 (4.5E) 3.E-08 (W005)	1.E-08 (5.5W) 1.E-08 (5.5E)	2.E-06 (6W) 9.E-08 (6.5W) 3.E-08 (6.5E) 3.E-08 (W011)	5.E-08 (7W) 1.E-08 (7.5W)	2.E-08 (8.5W)	6.E-08	1.E-07 (9.5W) 1.E-08 (9.5E)	--	2.E-08 (W023)	--

Table 8.4-1. Summary of Human Health Risks, Reasonable Maximum Exposures.

				Exposure Area											
Receptor	**Exposure Medium**	**Scenario**	**Endpoint**	**RM 2**	**RM 3**	**RM 4**	**RM 5**	**RM 6**	**RM 7**	**RM 8**	**Swan Island Lagoon**	**RM 9**	**RM 10**	**RM 11**	**Study-Area Wide**
			Hazard Index	0.0001 (2W) 0.0005 (2E) 0.0001 (W025)	0.0001 (3W) 0.0001 (3.5E)	0.0001 (4W) 0.0001 (4E) 0.0001 (4.5E) 0.0008 (W005)	0.0001 (5.5W) 0.0001 (5.5E)	0.0001 (6W) 0.0001 (6.5W) 0.0001 (6.5E) 0.0001 (W011)	0.001 (7W) 0.0001 (7.5W)	0.0001 (8.5W)	0.002	0.0001 (9.5W) 0.0001 (9.5E)	--	0.0007 (W023)	--
Recreational Beach Users	Beach sediment		Cancer Risk	5.E-06 (B001) 4.E-05 (B003) 2.E-05 (B005)	1.E-05 (03B031) 6.E-06	9.E-06 (04B023) 5.E-05	.E-05 (05B018)	4.E-06 (06B022) 3.E-06 (06B026) 2.E-05 (06B030)	--	--	2.E-06 (09B028) 3.E-06	3.E-06 (09B026) 3.E-06	--	--	--
			Hazard Index	0.1 (B001) 0.1 (B003) 0.1 (B005)	0.2 (03B031) 0.2 (03B033)	0.1 (04B023) 0.3 (04B024)	0.1 (05B018)	0.1 (06B022) 0.1 (06B026) 0.4 (06B030)	--	--	0.1 (09B028) 0.1 (09B024)	0.1 (09B026) 0.1 (09B027)	--	--	--
	Surface water		Cancer Risk	--	--	--	7.E-08 (W010)	6.E-08 (W014)	--	--	6.E-08 (W020)	--	--	--	7.E-08
			Hazard Index	--	--	--	0.001 (W010)	0.001 (W014)	--	--	0.001 (W020)	--	--	--	0.001
Recreational/Subsistence Fishers	Beach sediment	High-frequency	Cancer Risk	1.E-06 (B001) 4.E-06 (B003) 3.E-06 (B005)	1.E-06 (03B030) 2.E-06	2.E-06 (04B023) 6.E-06	.E-06 (05B018)	2.E-06 (06B022) 1.E-06 (06B026) 6.E-06 (06B030)	1.E-06 (07B024)	--	5.E-07 (07B023) 8.E-07	1.E-06 (09B026) 9.E-07	--	--	--
			Hazard Index	0.02 (B001) 0.03 (B003) 0.03 (B005)	0.01 (03B030) 0.02 (03B031) 0.02 (03B033)	0.02 (04B023) 0.05 (04B024)	0.02 (05B018)	0.02 (06B022) 0.01 (06B026) 0.05 (06B030)	0.01 (07B024)	--	0.01 (07B023) 0.01 (09B028) 0.01 (09B024)	0.01 (09B026) 0.02 (09B027)	--	--	--
		Low-frequency	Cancer Risk	1.E-06 (B001) 3.E-06 (B003) 2.E-06 (B005)	8.E-07 (03B030) 2.E-06	1.E-06 (04B023) 4.E-06	.E-06 (05B018)	1.E-06 (06B022) 7.E-07 (06B026) 4.E-06 (06B030)	9.E-07 (07B024)	--	4.E-07 (07B023) 5.E-07	1.E-06 (09B026) 6.E-07	--	--	--
			Hazard Index	0.01 (B001) 0.03 (B003) 0.03 (B005)	0.01 (03B030) 0.02 (03B031) 0.01 (03B033)	0.01 (04B023) 0.03 (04B024)	0.01 (05B018)	0.01 (06B022) 0.01 (06B026) 0.03 (06B030)	0.01 (07B024)	--	0.01 (07B023) 0.01 (09B028) 0.01 (09B024)	0.01 (09B026) 0.01 (09B027)	--	--	--
	In-water sediment	High-frequency	Cancer Risk	4.E-07 (2W) 2.E-06 (2E) 8.E-07 (2.5W) 4.E-06 (2.5E)	9.E-07 (3W) 5.E-07 (3E) 3.E-06 (3.5W) 3.E-06 (3.5E)	8.E-07 (4W) 3.E-06 (4E) 2.E-06 (4.5W) 9.E-06 (4.5E)	4.E-06 (5W) 7.E-07 (5E) 4.E-06 (5.5W) 1.E-06 (5.5E)	5.E-05 (6W) 2.E-06 (6E) 3.E-06 (6.5W) 1.E-06 (6.5E)	8.E-05 (7W) 2.E-06 (7E) 6.E-07 (7.5W) 3.E-07 (7.5E)	1.E-06 (8W) 1.E-06 (8E) 5.E-06 (8.5W) 7.E-07 (8.5E)	2.E-06	1.E-06 (9W) 4.E-07 (9E) 9.E-07 (9.5W) 3.E-07 (9.5E)	2.E-06 (10W) 6.E-07 (10E) 4.E-07 (10.5W)	4.E-07 (11W) 1.E-06 (11E) 3.E-07 (11.5W)	7.E-06
			Hazard Index	0.002 (2W) 0.03 (2E) 0.002 (2.5W) 0.003 (2.5E)	0.1 (3W) 0.1 (3E) 0.1 (3.5W) 0.2 (3.5E)	0.1 (4W) 0.1 (4E) 0.1 (4.5W) 0.1 (4.5E)	0.1 (5W) 0.1 (5E) 0.1 (5.5W) 0.1 (5.5E)	0.1 (6W) 0.1 (6E) 0.2 (6.5W) 0.2 (6.5E)	2 (7W) 0.1 (7E) 0.1 (7.5W) 0.1 (7.5E)	0.1 (8W) 0.1 (8E) 0.3 (8.5W) 0.1 (8.5E)	0.2	0.2 (9W) 0.003 (9E) 0.007 (9.5W) 0.002 (9.5E)	0.02 (10W) 0.002 (10E) 0.002 (10.5W) 0.003 (10.5E)	0.002 (11W) 0.05 (11E) 0.002 (11.5W)	0.2
			Breastfeeding Infant Hazard Index	0.01 (2W) 0.4 (2E) 0.01 (2.5W) 0.02 (2.5E)	0.01 (3W) 0.01 (3E) 0.007 (3.5W) 0.5 (3.5E)	0.01 (4W) 0.1 (4E) 0.01 (4.5W) 0.01 (4.5E)	0.01 (5W) 0.01 (5E) 0.01 (5.5W) 0.05 (5.5E)	0.02 (6W) 0.05 (6E) 0.05 (6.5W) 0.4 (6.5E)	3 (7W) 0.03 (7E) 0.1 (7.5W) 0.01 (7.5E)	0.1 (8W) 0.2 (8E) 2 (8.5W) 0.02 (8.5E)	0.2	0.6 (9W) 0.03 (9E) 0.1 (9.5W) 0.01 (9.5E)	0.1 (10W) 0.01 (10E) 0.01 (10.5W) 0.04 (10.5E)	0.01 (11W) 1 (11E) 0.01 (11.5W)	0.2
		Low-frequency	Cancer Risk	2.E-07 (2W) 1.E-06 (2E) 5.E-07 (2.5W) 3.E-06 (2.5E)	6.E-07 (3W) 3.E-07 (3E) 2.E-06 (3.5W) 2.E-06 (3.5E)	6.E-07 (4W) 2.E-06 (4E) 1.E-06 (4.5W) 6.E-06 (4.5E)	3.E-06 (5W) 5.E-07 (5E) 3.E-06 (5.5W) 9.E-07 (5.5E)	3.E-05 (6W) 1.E-06 (6E) 2.E-06 (6.5W) 9.E-07 (6.5E)	6.E-05 (7W) 1.E-06 (7E) 4.E-07 (7.5W) 2.E-07 (7.5E)	8.E-07 (8W) 9.E-07 (8E) 4.E-06 (8.5W) 5.E-07 (8.5E)	1.E-06	9.E-07 (9W) 2.E-07 (9E) 6.E-07 (9.5W) 2.E-07 (9.5E)	2.E-06 (10W) 4.E-07 (10E) 2.E-07 (10.5W)	3.E-07 (11W) 9.E-07 (11E) 2.E-07 (11.5W)	5.E-06
			Hazard Index	0.001 (2W) 0.02 (2E) 0.001 (2.5W) 0.002 (2.5E)	0.1 (3W) 0.1 (3E) 0.1 (3.5W) 0.1 (3.5E)	0.1 (4W) 0.1 (4E) 0.1 (4.5W) 0.1 (4.5E)	0.1 (5W) 0.1 (5E) 0.1 (5.5W) 0.1 (5.5E)	0.1 (6W) 0.1 (6E) 0.1 (6.5W) 0.1 (6.5E)	1 (7W) 0.1 (7E) 0.1 (7.5W) 0.1 (7.5E)	0.1 (8W) 0.1 (8E) 0.2 (8.5W) 0.1 (8.5E)	0.1	0.1 (9W) 0.002 (9E) 0.005 (9.5W) 0.001 (9.5E)	0.01 (10W) 0.001 (10E) 0.001 (10.5W) 0.002 (10.5E)	0.001 (11W) 0.03 (11E) 0.001 (11.5W)	0.1
			Breastfeeding Infant Hazard Index	0.003 (2W) 0.3 (2E) 0.004 (2.5W) 0.01 (2.5E)	0.003 (3W) 0.005 (3E) 0.005 (3.5W) 0.3 (3.5E)	0.005 (4W) 0.06 (4E) 0.01 (4.5W) 0.01 (4.5E)	0.01 (5W) 0.004 (5E) 0.01 (5.5W) 0.03 (5.5E)	0.01 (6W) 0.03 (6E) 0.03 (6.5W) 0.2 (6.5E)	2 (7W) 0.02 (7E) 0.04 (7.5W) 0.01 (7.5E)	0.07 (8W) 0.1 (8E) 2 (8.5W) 0.01 (8.5E)	0.1	0.4 (9W) 0.02 (9E) 0.1 (9.5W) 0.01 (9.5E)	0.1 (10W) 0.01 (10E) 0.01 (10.5W) 0.03 (10.5E)	0.01 (11W) 0.7 (11E) 0.004 (11.5W)	0.2
	Fish tissue	Subsistence	Cancer Risk	--	--	--	--	--	--	--	--	--	--	--	1.E-02
			Hazard Index	--	--	--	--	--	--	--	--	--	--	--	1000
			Breastfeeding Infant Hazard Index	--	--	--	--	--	--	--	--	--	--	--	10000
		Recreational	Cancer Risk	2.E-04	1.E-04	3.E-04	9.E-05	1.E-04	6.E-04	1.E-04	6.E-04	2.E-04	1.E-04	1.E-03	4.E-03
			Hazard Index	10	7	20	6	9	20	7	50	10	10	100	300
			Breastfeeding Infant Hazard Index	200	30	200	30	70	200	40	600	80	100	1000	4000
	Shellfish tissue	Clam consumption	Cancer Risk	2.E-04 (2E) 8.E-05 (2W)	2.E-04 (3E) 7.E-05 (3W)	1.E-04 (4E) 1.E-04 (4W)	9.E-05 (5E) 6.E-04 (5W)	7.E-04 (6E) 7.E-04 (6W)	7.E-05 (7E) 2.E-04 (7W)	5.E-05 (8E) 2.E-04 (8W)	2.E-04	5.E-05 (9E) 2.E-04 (9W)	4.E-05 (10W)	2.E-04 (11E) 4.E-05 (11W)	4.E-04
			Hazard Index	5 (2E) 2 (2W)	8 (3E) 2 (3W)	3 (4E) 3 (4W)	3 (5E) 2 (5W)	30 (6E) 3 (6W)	2 (7E) 3 (7W)	3 (8E) 7 (8W)	6	1 (9E) 8 (9W)	2 (10W)	10 (11E) 1 (11W)	9
			Breastfeeding Infant Hazard Index	100 (2E) 30 (2W)	200 (3E) 30 (3W)	30 (4E) 40 (4W)	50 (5E) 20 (5W)	800 (6E) 30 (6W)	30 (7E) 30 (7W)	30 (8E) 100 (8W)	100	20 (9E) 100 (9W)	30 (10W)	300 (11E) 10 (11W)	200
		Crayfish consumption	Cancer Risk	7.E-05 (02R001) 1.E-05 (02R015)	6.E-06 (03R001) 7.E-06 (03R002) 5.E-05 (03R003)	7.E-06 (04R002) 7.E-06 (04R003) 7.E-06 (04R004)	6.E-06 (05R001) 1.E-05 (05R003) 1.E-05 (CR05W)	6.E-06 (06R001) 4.E-05 (06R004) 4.E-05 (CR06W)	1.E-05 (07R003) 9.E-06 (07R004) 3.E-04 (07R006)	2.E-05 (08R001) 8.E-06 (08R002) 2.E-05 (CR08W)	4.E-05 (08R003) 2.E-05 (09R001)	.E-05 (09R002)	.E-05 (CR10W)	3.E-04 (CR11E)	3.E-04

Table 8.4-1. Summary of Human Health Risks, Reasonable Maximum Exposures.

				Exposure Area											
Receptor	**Exposure Medium**	**Scenario**	**Endpoint**	**RM 2**	**RM 3**	**RM 4**	**RM 5**	**RM 6**	**RM 7**	**RM 8**	**Swan Island Lagoon**	**RM 9**	**RM 10**	**RM 11**	**Study-Area Wide**
			Hazard Index	2 (02R001) 0.9 (02R015)	0.5 (03R001) 0.5 (03R002) 2 (03R003) 1 (03R004) 4 (03R005) 0.5 (03R032)	0.5 (04R002) 0.5 (04R003) 0.6 (04R004)	0.5 (05R001) 0.9 (05R003) 0.7 (CR05W)	0.5 (06R001) 1 (06R004) 2 (CR06W)	1 (07R003) 0.7 (07R004) 6 (07R006)	1 (08R001) 0.7 (08R002) 1 (CR08W)	1 (08R003) 1 (09R001)	2 (09R002)	1 (CR10W)	10 (CR11E)	10
			Breastfeeding Infant Hazard Index	10 (02R001) 9 (02R015)	0.008 (03R001) 0.01 (03R002) 20 (03R003) 9 (03R004) 60 (03R005)	0.01 (04R002) 0.02 (04R003) 0.01 (04R004)	0.01 (05R001) 9 (05R003) 3 (CR05W)	0.01 (06R001) 6 (06R004) 10 (CR06W)	10 (07R003) 0.01 (07R004) 20 (07R006)	20 (08R001) 5 (08R002) 9 (CR08W)	10 (08R003) 20 (09R001)	30 (09R002)	10 (CR10W)	400 (CR11E)	200
Tribal Fishers	Beach sediment	--	Cancer Risk	6.E-06 (B001) 2.E-05 (B003) 1.E-05 (B005)	5.E-06 (03B030) 9.E-06	8.E-06 (04B023) 2.E-05	.E-06 (05B018)	6.E-06 (06B022) 4.E-06 (06B026) 2.E-05 (06B030)	5.E-06 (07B024)	--	2.E-06 (07B023) 3.E-06	6.E-06 (09B026) 4.E-06	--	--	--
			Hazard Index	0.03 (B001) 0.03 (B003) 0.03 (B005)	0.02 (03B030) 0.04 (03B031) 0.04 (03B033)	0.03 (04B023) 0.08 (04B024)	0.03 (05B018)	0.03 (06B022) 0.02 (06B026) 0.08 (06B030)	0.02 (07B024)	--	0.02 (07B023) 0.02 (09B028) 0.02 (09B024)	0.02 (09B026) 0.03 (09B027)	--	--	--
	In-water sediment	--	Cancer Risk	1.E-06 (2W) 6.E-06 (2E) 3.E-06 (2.5W) 2.E-05 (2.5E)	3.E-06 (3W) 2.E-06 (3E) 1.E-05 (3.5W) 1.E-05 (3.5E)	3.E-06 (4W) 1.E-05 (4E) 8.E-06 (4.5W) 3.E-05 (4.5E)	1.E-05 (5W) 3.E-06 (5E) 2.E-05 (5.5W) 5.E-06 (5.5E)	2.E-04 (6W) 8.E-06 (6E) 1.E-05 (6.5W) 6.E-06 (6.5E)	3.E-04 (7W) 7.E-06 (7E) 2.E-06 (7.5W) 1.E-06 (7.5E)	5.E-06 (8W) 5.E-06 (8E) 2.E-05 (8.5W) 3.E-06 (8.5E)	8.E-06	5.E-06 (9W) 1.E-06 (9E) 3.E-06 (9.5W) 1.E-06 (9.5E)	9.E-06 (10W) 2.E-06 (10E) 1.E-06 (10.5W)	2.E-06 (11W) 5.E-06 (11E) 1.E-06 (11.5W)	3.E-05
			Hazard Index	0.003 (2W) 0.06 (2E) 0.003 (2.5W) 0.006 (2.5E)	0.2 (3W) 0.2 (3E) 0.2 (3.5W) 0.3 (3.5E)	0.2 (4W) 0.2 (4E) 0.2 (4.5W) 0.2 (4.5E)	0.2 (5W) 0.2 (5E) 0.2 (5.5W) 0.2 (5.5E)	0.2 (6W) 0.2 (6E) 0.3 (6.5W) 0.3 (6.5E)	3 (7W) 0.2 (7E) 0.2 (7.5W) 0.2 (7.5E)	0.2 (8W) 0.2 (8E) 0.4 (8.5W) 0.2 (8.5E)	0.3	0.3 (9W) 0.005 (9E) 0.01 (9.5W) 0.004 (9.5E)	0.03 (10W) 0.003 (10E) 0.004 (10.5W) 0.005 (10.5E)	0.003 (11W) 0.08 (11E) 0.003 (11.5W)	0.4
			Breastfeeding Infant Hazard Index	0.01 (2W) 0.7 (2E) 0.01 (2.5W) 0.04 (2.5E)	0.01 (3W) 0.01 (3E) 0.01 (3.5W) 0.8 (3.5E)	0.01 (4W) 0.2 (4E) 0.02 (4.5W) 0.02 (4.5E)	0.01 (5W) 0.01 (5E) 0.02 (5.5W) 0.1 (5.5E)	0.03 (6W) 0.1 (6E) 0.1 (6.5W) 0.6 (6.5E)	5 (7W) 0.04 (7E) 0.1 (7.5W) 0.02 (7.5E)	0.2 (8W) 0.3 (8E) 4 (8.5W) 0.03 (8.5E)	0.3	1 (9W) 0.04 (9E) 0.1 (9.5W) 0.02 (9.5E)	0.2 (10W) 0.02 (10E) 0.02 (10.5W) 0.1 (10.5E)	0.01 (11W) 2 (11E) 0.01 (11.5W)	0.4
	Fish tissue	Fillet consumption	Cancer Risk	--	--	--	--	--	--	--	--	--	--	--	1.E-02
			Hazard Index	--	--	--	--	--	--	--	--	--	--	--	600
			Breastfeeding Infant Hazard Index	--	--	--	--	--	--	--	--	--	--	--	8000
		Whole body consumption	Cancer Risk	--	--	--	--	--	--	--	--	--	--	--	2.E-02
			Hazard Index	--	--	--	--	--	--	--	--	--	--	--	800
			Breastfeeding Infant Hazard Index	--	--	--	--	--	--	--	--	--	--	--	9000
Domestic Water Use	Surface water	--	Cancer Risk	2.E-05 (W025) 1.E-05 (W026)	1.E-05 (W028) 3.E-05 (W005)	9.E-06 (W029)	1.E-05 (W030) 1.E-05 (W010)	3.E-05 (W011) 9.E-04 (W031) 1.E-05 (W014) 2.E-05 (W032)	7.E-05 (W033) 1.E-05 (W034)	2.E-05 (W036)	6.E-05 (W035) 1.E-05 (W020)	1.E-05 (W037) 1.E-05 (W038)	--	2.E-05 (W023)	8.E-05
			Hazard Index	0.2 (W025) 0.7 (W026)	0.1 (W028) 1 (W005)	0.1 (W029)	0.2 (W030) 0.2 (W010)	0.1 (W011) 0.1 (W031) 0.2 (W014) 0.1 (W032)	0.8 (W033) 0.2 (W034)	0.1 (W036)	2 (W035) 0.2 (W020)	0.2 (W037) 0.2 (W038)	--	1 (W023)	0.9

Notes:
RM - river mile

Table 8.4-2. Summary of Human Health Risks, Central Tendency.

				Exposure Area											
Receptor	**Exposure Medium**	**Scenario**	**Endpoint**	**RM 2**	**RM 3**	**RM 4**	**RM 5**	**RM 6**	**RM 7**	**RM 8**	**Swan Island Lagoon**	**RM 9**	**RM 10**	**RM 11**	**Study-Area Wide**
Dockside Workers	Beach sediment		Cancer Risk	5.E-08 (B002) 2.E-07 (B004) 4.E-08 (B006)	--	--	5.E-08 (05B019)	6.E-06 (06B025) 7.E-08 (06B029)	4.E-08 (07B022)	4.E-08 (08B032)	--	--	--	--	--
			Hazard Index	0.002 (B002) 0.01 (B004) 0.001 (B006)	--	--	0.001 (05B019)	0.001 (06B025) 0.001 (06B029)	0.001 (07B022)	0.001 (08B032)	--	--	--	--	--
			Breastfeeding Infant Hazard Index	0.02 (B002) 0.2 (B004) 0.002 (B006)	--	--	--	0.01 (06B025)	--	0.002 (08B032)	--	--	--	--	--
In-Water Workers	In-water sediment		Cancer Risk	7.E-09 (2W) 1.E-08 (2E) 1.E-08 (2.5W) 1.E-08 (2.5E)	1.E-08 (3W) 9.E-09 (3E) 2.E-08 (3.5W) 1.E-08 (3.5E)	1.E-08 (4W) 2.E-08 (4E) 2.E-08 (4.5W) 6.E-08 (4.5E)	2.E-08 (5W) 1.E-08 (5E) 3.E-08 (5.5W) 2.E-08 (5.5E)	4.E-07 (6W) 2.E-08 (6E) 3.E-08 (6.5W) 1.E-08 (6.5E)	3.E-07 (7W) 2.E-08 (7E) 8.E-09 (7.5W) 6.E-09 (7.5E)	1.E-08 (8W) 1.E-08 (8E) 2.E-08 (8.5W) 9.E-09 (8.5E)	2.E-08	1.E-08 (9W) 7.E-09 (9E) 1.E-08 (9.5W) 6.E-09 (9.5E)	2.E-08 (10W) 8.E-09 (10E) 8.E-09 (10.5W) 6.E-09 (10.5E)	7.E-09 (11W) 1.E-08 (11E) 5.E-09 (11.5W)	5.E-08
			Hazard Index	0.0003 (2W) 0.001 (2E) 0.0003 (2.5W) 0.0004 (2.5E)	0.02 (3W) 0.03 (3E) 0.03 (3.5W) 0.03 (3.5E)	0.03 (4W) 0.03 (4E) 0.03 (4.5W) 0.03 (4.5E)	0.03 (5W) 0.03 (5E) 0.03 (5.5W) 0.02 (5.5E)	0.03 (6W) 0.03 (6E) 0.03 (6.5W) 0.03 (6.5E)	0.06 (7W) 0.03 (7E) 0.03 (7.5W) 0.03 (7.5E)	0.03 (8W) 0.03 (8E) 0.03 (8.5W) 0.03 (8.5E)	0.03	0.03 (9W) 0.0003 (9E) 0.0008 (9.5W) 0.0003 (9.5E)	0.001 (10W) 0.0003 (10E) 0.0003 (10.5W)	0.0003 (11W) 0.002 (11E) 0.0002 (11.5W)	0.03
			Breastfeeding Infant Hazard Index	0.0004 (2W) 0.01 (2E) 0.0003 (2.5W) 0.002 (2.5E)	0.0004 (3W) 0.001 (3E) 0.001 (3.5W) 0.01 (3.5E)	0.001 (4W) 0.005 (4E) 0.001 (4.5W) 0.001 (4.5E)	0.001 (5W) 0.001 (5E) 0.001 (5.5W) 0.003 (5.5E)	0.001 (6W) 0.002 (6E) 0.003 (6.5W) 0.01 (6.5E)	0.1 (7W) 0.002 (7E) 0.003 (7.5W) 0.001 (7.5E)	0.004 (8W) 0.01 (8E) 0.04 (8.5W) 0.001 (8.5E)	0.009	0.01 (9W) 0.002 (9E) 0.01 (9.5W) 0.001 (9.5E)	0.01 (10W) 0.001 (10E) 0.001 (10.5W) 0.002 (10.5E)	0.001 (11W) 0.03 (11E) 0.0004 (11.5W)	0.01
Transients	Beach sediment		Cancer Risk	--	2.E-08 (03B030)	--	--	3.E-08 (06B022)	2.E-08 (07B024)	--	8.E-09 (07B023)	2.E-08 (09B026)	--	--	--
			Hazard Index	--	0.007 (03B030) 0.01 (03B031)	--	--	0.01 (06B022)	0.008 (07B024)	--	0.006 (07B023)	0.008 (09B026) 0.009 (09B027)	--	--	--
	Surface water		Cancer Risk	7.E-08 (W025)	--	1.E-07 (W005)	--	9.E-08 (W014) 1.E-07 (W011)	--	--	--	--	--	9.E-08 (W023)	1.E-07
			Hazard Index	0.01 (W025)	--	0.06 (W005)	--	0.01 (W014) 0.01 (W011)	--	--	--	--	--	0.06 (W023)	0.06
	Groundwater seep		Cancer Risk	--	--	--	--	4.E-10 (OF22B)	--	--	--	--	--	--	--
			Hazard Index	--	--	--	--	0.001 (OF22B)	--	--	--	--	--	--	--
Divers (Wet Suit)	In-water sediment		Cancer Risk	5.E-09 (2W) 1.E-08 (2E) 1.E-08 (2.5W) 1.E-08 (2.5E)	1.E-08 (3W) 6.E-09 (3E) 1.E-08 (3.5W) 2.E-08 (3.5E)	1.E-08 (4W) 2.E-08 (4E) 2.E-08 (4.5W) 9.E-08 (4.5E)	2.E-08 (5W) 9.E-09 (5E) 4.E-08 (5.5W) 2.E-08 (5.5E)	6.E-07 (6W) 2.E-08 (6E) 3.E-08 (6.5W) 9.E-09 (6.5E)	2.E-07 (7W) 1.E-08 (7E) 6.E-09 (7.5W) 4.E-09 (7.5E)	9.E-09 (8W) 1.E-08 (8E) 2.E-08 (8.5W) 6.E-09 (8.5E)	1.E-08	1.E-08 (9W) 4.E-09 (9E) 1.E-08 (9.5W) 4.E-09 (9.5E)	1.E-08 (10W) 6.E-09 (10E) 5.E-09 (10.5W) 4.E-09 (10.5E)	5.E-09 (11W) 1.E-08 (11E) 3.E-09 (11.5W)	5.E-08
			Hazard Index	0.0001 (2W) 0.0006 (2E) 0.0001 (2.5W) 0.0001 (2.5E)	0.002 (3W) 0.003 (3E) 0.003 (3.5W) 0.003 (3.5E)	0.003 (4W) 0.003 (4E) 0.003 (4.5W) 0.003 (4.5E)	0.003 (5W) 0.003 (5E) 0.003 (5.5W) 0.003 (5.5E)	0.003 (6W) 0.003 (6E) 0.004 (6.5W) 0.003 (6.5E)	0.01 (7W) 0.003 (7E) 0.003 (7.5W) 0.003 (7.5E)	0.003 (8W) 0.003 (8E) 0.005 (8.5W) 0.003 (8.5E)	0.004	0.004 (9W) 0.0001 (9E) 0.0003 (9.5W) 0.0001 (9.5E)	0.0004 (10W) 0.0001 (10E) 0.0001 (10.5W)	0.0001 (11W) 0.001 (11E) 0.0001 (11.5W)	0.004
			Breastfeeding Infant Hazard Index	0.0003 (2W) 0.01 (2E) 0.0002 (2.5W) 0.001 (2.5E)	0.0002 (3W) 0.0004 (3E) 0.0005 (3.5W) 0.01 (3.5E)	0.0005 (4W) 0.003 (4E) 0.001 (4.5W) 0.001 (4.5E)	0.0004 (5W) 0.0004 (5E) 0.001 (5.5W) 0.002 (5.5E)	0.001 (6W) 0.002 (6E) 0.002 (6.5W) 0.004 (6.5E)	0.02 (7W) 0.001 (7E) 0.002 (7.5W) 0.001 (7.5E)	0.002 (8W) 0.004 (8E) 0.03 (8.5W) 0.001 (8.5E)	0.01	0.01 (9W) 0.001 (9E) 0.004 (9.5W) 0.001 (9.5E)	0.004 (10W) 0.001 (10E) 0.001 (10.5W) 0.001 (10.5E)	0.001 (11W) 0.02 (11E) 0.0003 (11.5W)	0.005
	Surface water		Cancer Risk	1.E-09 (2W) 9.E-10 (2E) 4.E-09 (W025)	2.E-08 (3W) 7.E-09 (3.5E)	2.E-09 (4W) 2.E-08 (4E) 6.E-08 (4.5E) 9.E-09 (W005)	2.E-09 (5.5W) 9.E-10 (5.5E)	5.E-07 (6W) 3.E-08 (6.5W) 7.E-09 (6.5E) 9.E-09 (W011)	2.E-08 (7W) 1.E-09 (7.5W)	3.E-09 (8.5W)	2.E-08	3.E-08 (9.5W) 8.E-10 (9.5E)	--	6.E-09 (W023)	--
			Hazard Index	0.00002 (2W) 0.0005 (2E) 0.00001 (W025)	0.00002 (3W) 0.00002 (3.5E)	0.00001 (4W) 0.00002 (4E) 0.00002 (4.5E) 0.0004 (W005)	0.00002 (5.5W) 0.00002 (5.5E)	0.00002 (6W) 0.00002 (6.5W) 0.00003 (6.5E) 0.00001 (W011)	0.0005 (7W) 0.00002 (7.5W)	0.00002 (8.5W)	0.0007	0.00002 (9.5W) 0.00001 (9.5E)	--	0.0004 (W023)	--
Recreational Beach Users	Beach sediment		Cancer Risk	4.E-07 (B001) 2.E-06 (B003) 1.E-06 (B005)	7.E-07 (03B031) 5.E-07	6.E-07 (04B023) 2.E-06	3.E-07 (05B018)	3.E-07 (06B022) 2.E-07 (06B026) 2.E-06 (06B030)	--	--	2.E-07 (09B028) 2.E-07	3.E-07 (09B026) 2.E-07	--	--	--
			Hazard Index	0.02 (B001) 0.02 (B003) 0.02 (B005)	0.02 (03B031) 0.02 (03B033)	0.02 (04B023) 0.05 (04B024)	0.02 (05B018)	0.02 (06B022) 0.01 (06B026) 0.05 (06B030)	--	--	0.01 (09B028) 0.01 (09B024)	0.01 (09B026) 0.02 (09B027)	--	--	--
	Surface water		Cancer Risk	--	--	--	1.E-08 (W010)	1.E-08 (W014)	--	--	9.E-09 (W020)	--	--	--	1.E-08
			Hazard Index	--	--	--	0.0002 (W010)	0.0002 (W014)	--	--	0.0002 (W020)	--	--	--	0.0002
Recreational/Subsistence Fishers	Beach sediment	High-frequency	Cancer Risk	6.E-08 (B001) 2.E-07 (B003) 1.E-07 (B005)	5.E-08 (03B030) 9.E-08	8.E-08 (04B023) 2.E-07	3.E-08 (05B018)	6.E-08 (06B022) 4.E-08 (06B026) 3.E-07 (06B030)	5.E-08 (07B024)	--	2.E-08 (07B023) 3.E-08	6.E-08 (09B026) 3.E-08	--	--	--
			Hazard Index	0.003 (B001) 0.03 (B003) 0.03 (B005)	0.002 (03B030) 0.004 (03B031) 0.003 (03B033)	0.003 (04B023) 0.01 (04B024)	0.003 (05B018)	0.003 (06B022) 0.002 (06B026) 0.01 (06B030)	0.002 (07B024)	--	0.002 (07B023) 0.002 (09B028) 0.002 (09B024)	0.002 (09B026) 0.003 (09B027)	--	--	--

Table 8.4-2. Summary of Human Health Risks, Central Tendency.

				Exposure Area											
Receptor	**Exposure Medium**	**Scenario**	**Endpoint**	**RM 2**	**RM 3**	**RM 4**	**RM 5**	**RM 6**	**RM 7**	**RM 8**	**Swan Island Lagoon**	**RM 9**	**RM 10**	**RM 11**	**Study-Area Wide**
		Low-frequency	Cancer Risk	3.E-08 (B001) 8.E-08 (B003) 6.E-08 (B005)	2.E-08 (03B030) 5.E-08	4.E-08 (04B023) 1.E-07	1.E-08 (05B018)	3.E-08 (06B022) 2.E-08 (06B026) 1.E-07 (06B030)	3.E-08 (07B024)	--	1.E-08 (07B023) 2.E-08	3.E-08 (09B026) 2.E-08	--	--	--
			Hazard Index	0.001 (B001) 0.03 (B003) 0.03 (B005)	0.001 (03B030) 0.002 (03B031) 0.002 (03B033)	0.001 (04B023) 0.004 (04B024)	0.002 (05B018)	0.001 (06B022) 0.001 (06B026) 0.004 (06B030)	0.001 (07B024)	--	0.001 (07B023) 0.001 (09B028) 0.001 (09B024)	0.001 (09B026) 0.001 (09B027)	--	--	--
	In-water sediment	High-frequency	Cancer Risk	1.E-08 (2W) 2.E-08 (2E) 2.E-08 (2.5W) 3.E-08 (2.5E)	2.E-08 (3W) 2.E-08 (3E) 3.E-08 (3.5W) 3.E-08 (3.5E)	2.E-08 (4W) 4.E-08 (4E) 3.E-08 (4.5W) 1.E-07 (4.5E)	3.E-08 (5W) 2.E-08 (5E) 6.E-08 (5.5W) 4.E-08 (5.5E)	9.E-07 (6W) 3.E-08 (6E) 5.E-08 (6.5W) 2.E-08 (6.5E)	4.E-07 (7W) 4.E-08 (7E) 1.E-08 (7.5W) 1.E-08 (7.5E)	2.E-08 (8W) 3.E-08 (8E) 4.E-08 (8.5W) 2.E-08 (8.5E)	3.E-08	2.E-08 (9W) 1.E-08 (9E) 2.E-08 (9.5W) 1.E-08 (9.5E)	4.E-08 (10W) 1.E-08 (10E) 1.E-08 (10.5W) 1.E-08 (10.5E)	1.E-08 (11W) 2.E-08 (11E) 9.E-09 (11.5W)	9.E-08
			Hazard Index	0.0002 (2W) 0.001 (2E) 0.0002 (2.5W) 0.0003 (2.5E)	0.02 (3W) 0.02 (3E) 0.02 (3.5W) 0.02 (3.5E)	0.02 (4W) 0.02 (4E) 0.02 (4.5W) 0.02 (4.5E)	0.02 (5W) 0.02 (5E) 0.02 (5.5W) 0.02 (5.5E)	0.02 (6W) 0.02 (6E) 0.02 (6.5W) 0.02 (6.5E)	0.04 (7W) 0.02 (7E) 0.02 (7.5W) 0.02 (7.5E)	0.02 (8W) 0.02 (8E) 0.02 (8.5W) 0.02 (8.5E)	0.02	0.02 (9W) 0.0003 (9E) 0.0006 (9.5W) 0.0002 (9.5E)	0.001 (10W) 0.0002 (10E) 0.0003 (10.5W)	0.0002 (11W) 0.002 (11E) 0.0002 (11.5W)	0.02
			Breastfeeding Infant Hazard Index	0.0004 (2W) 0.01 (2E) 0.0003 (2.5W) 0.002 (2.5E)	0.0004 (3W) 0.001 (3E) 0.001 (3.5W) 0.01 (3.5E)	0.001 (4W) 0.004 (4E) 0.001 (4.5W) 0.001 (4.5E)	0.001 (5W) 0.001 (5E) 0.001 (5.5W) 0.003 (5.5E)	0.001 (6W) 0.002 (6E) 0.002 (6.5W) 0.01 (6.5E)	0.05 (7W) 0.002 (7E) 0.002 (7.5W) 0.001 (7.5E)	0.004 (8W) 0.005 (8E) 0.04 (8.5W) 0.001 (8.5E)	0.01	0.01 (9W) 0.002 (9E) 0.006 (9.5W) 0.001 (9.5E)	0.01 (10W) 0.001 (10E) 0.001 (10.5W) 0.001 (10.5E)	0.001 (11W) 0.03 (11E) 0.0004 (11.5W)	0.01
		Low-frequency	Cancer Risk	6.E-09 (2W) 1.E-08 (2E) 1.E-08 (2.5W) 1.E-08 (2.5E)	1.E-08 (3W) 8.E-09 (3E) 1.E-08 (3.5W) 1.E-08 (3.5E)	1.E-08 (4W) 2.E-08 (4E) 2.E-08 (4.5W) 7.E-08 (4.5E)	2.E-08 (5W) 9.E-09 (5E) 3.E-08 (5.5W) 2.E-08 (5.5E)	4.E-07 (6W) 2.E-08 (6E) 3.E-08 (6.5W) 1.E-08 (6.5E)	2.E-07 (7W) 2.E-08 (7E) 7.E-09 (7.5W) 5.E-09 (7.5E)	1.E-08 (8W) 1.E-08 (8E) 2.E-08 (8.5W) 8.E-09 (8.5E)	1.E-08	1.E-08 (9W) 6.E-09 (9E) 1.E-08 (9.5W) 5.E-09 (9.5E)	2.E-08 (10W) 7.E-09 (10E) 6.E-09 (10.5W) 5.E-09 (10.5E)	6.E-09 (11W) 1.E-08 (11E) 5.E-09 (11.5W)	5.E-08
			Hazard Index	0.0001 (2W) 0.0005 (2E) 0.0001 (2.5W) 0.0002 (2.5E)	0.01 (3W) 0.01 (3E) 0.01 (3.5W) 0.01 (3.5E)	0.01 (4W) 0.01 (4E) 0.01 (4.5W) 0.01 (4.5E)	0.01 (5W) 0.01 (5E) 0.01 (5.5W) 0.01 (5.5E)	0.01 (6W) 0.01 (6E) 0.01 (6.5W) 0.01 (6.5E)	0.02 (7W) 0.01 (7E) 0.01 (7.5W) 0.01 (7.5E)	0.01 (8W) 0.01 (8E) 0.01 (8.5W) 0.01 (8.5E)	0.01	0.01 (9W) 0.0001 (9E) 0.0003 (9.5W) 0.0001 (9.5E)	0.0004 (10W) 0.0001 (10E) 0.0001 (10.5W)	0.0001 (11W) 0.001 (11E) 0.0001 (11.5W)	0.01
			Breastfeeding Infant Hazard Index	0.0002 (2W) 0.01 (2E) 0.0002 (2.5W) 0.001 (2.5E)	0.0002 (3W) 0.0003 (3E) 0.0003 (3.5W) 0.01 (3.5E)	0.0003 (4W) 0.002 (4E) 0.0004 (4.5W) 0.0005 (4.5E)	0.0003 (5W) 0.0003 (5E) 0.0005 (5.5W) 0.002 (5.5E)	0.001 (6W) 0.001 (6E) 0.001 (6.5W) 0.003 (6.5E)	0.03 (7W) 0.001 (7E) 0.001 (7.5W) 0.0004 (7.5E)	0.002 (8W) 0.003 (8E) 0.02 (8.5W) 0.001 (8.5E)	0.004	0.007 (9W) 0.001 (9E) 0.003 (9.5W) 0.001 (9.5E)	0.003 (10W) 0.001 (10E) 0.0005 (10.5W)	0.0004 (11W) 0.02 (11E) 0.0002 (11.5W)	0.004
	Fish tissue	Recreational	Cancer Risk	9.E-05	4.E-05	9.E-05	3.E-05	4.E-05	2.E-04	5.E-05	2.E-04	6.E-05	5.E-05	4.E-04	1.E-03
			Hazard Index	5	2	7	2	3	10	2	20	5	4	30	100
			Breastfeeding Infant Hazard Index	50	10	70	10	20	60	10	200	30	40	500	2000
	Shellfish tissue	Clam consumption	Cancer Risk	3.E-05 (2E) 1.E-05 (2W)	4.E-05 (3E) 1.E-05 (3W)	2.E-05 (4E) 2.E-05 (4W)	2.E-05 (5E) 1.E-04 (5W)	1.E-04 (6E) 1.E-04 (6W)	1.E-05 (7E) 3.E-05 (7W)	9.E-06 (8E) 4.E-05 (8W)	3.E-05	1.E-05 (9E) 4.E-05 (9W)	8.E-06 (10W)	4.E-05 (11E) 6.E-06 (11W)	7.E-05
			Hazard Index	1 (2E) 0.3 (2W)	1 (3E) 0.4 (3W)	0.5 (4E) 0.5 (4W)	0.5 (5E) 0.4 (5W)	7 (6E) 0.6 (6W)	0.4 (7E) 0.6 (7W)	0.5 (8E) 1 (8W)	1	0.3 (9E) 1 (9W)	0.3 (10W)	2 (11E) 0.2 (11W)	2
			Breastfeeding Infant Hazard Index	20 (2E) 5 (2W)	30 (3E) 6 (3W)	6 (4E) 7 (4W)	9 (5E) 5 (5W)	200 (6E) 7 (6W)	6 (7E) 6 (7W)	5 (8E) 20 (8W)	20	3 (9E) 30 (9W)	5 (10W)	50 (11E) 2 (11W)	30
		Crayfish consumption	Cancer Risk	1.E-05 (02R001) 2.E-06 (02R015)	1.E-06 (03R001) 1.E-06 (03R002) 9.E-06 (03R003)	1.E-06 (04R002) 1.E-06 (04R003) 1.E-06 (04R004)	1.E-06 (05R001) 2.E-06 (05R003) 3.E-06 (CR05W)	1.E-06 (06R001) 8.E-06 (06R004) 7.E-06 (CR06W)	3.E-06 (07R003) 2.E-06 (07R004) 5.E-05 (07R006)	4.E-06 (08R001) 2.E-06 (08R002) 4.E-06 (CR08W)	8.E-06 (08R003) 3.E-06 (09R001)	9.E-06 (09R002)	1.E-06 (CR10W)	6.E-05 (CR11E)	6.E-05
			Hazard Index	0.4 (02R001) 0.2 (02R015)	0.09 (03R001) 0.1 (03R002) 0.4 (03R003) 0.2 (03R004) 0.7 (03R005) 0.09 (03R032)	0.09 (04R002) 0.08 (04R003) 0.1 (04R004)	0.08 (05R001) 0.2 (05R003) 0.1 (CR05W)	0.09 (06R001) 0.2 (06R004) 0.3 (CR06W)	0.2 (07R003) 0.1 (07R004) 1 (07R006)	0.2 (08R001) 0.1 (08R002) 0.2 (CR08W)	0.2 (08R003) 0.2 (09R001)	0.4 (09R002)	0.2 (CR10W)	3 (CR11E)	2
			Breastfeeding Infant Hazard Index	3 (02R001) 2 (02R015)	0.002 (03R001) 0.001 (03R002) 4 (03R003) 2 (03R004) 10 (03R005) 0.001 (03R032)	0.001 (04R002) 0.004 (04R003) 0.002 (04R004)	0.001 (05R001) 2 (05R003) 0.5 (CR05W)	0.001 (06R001) 1 (06R004) 3 (CR06W)	2 (07R003) 0.002 (07R004) 3 (07R006)	3 (08R001) 1 (08R002) 2 (CR08W)	2 (08R003) 3 (09R001)	5 (09R002)	3 (CR10W)	70 (CR11E)	40
Tribal Fishers	Beach sediment	--	Cancer Risk	4.E-07 (B001) 1.E-06 (B003) 8.E-07 (B005)	3.E-07 (03B030) 6.E-07	5.E-07 (04B023) 1.E-06	3.E-07 (05B018)	4.E-07 (06B022) 3.E-07 (06B026) 2.E-06 (06B030)	3.E-07 (07B024)	--	1.E-07 (07B023) 2.E-07	4.E-07 (09B026) 2.E-07	--	--	--
			Hazard Index	0.005 (B001) 0.03 (B003) 0.03 (B005)	0.004 (03B030) 0.007 (03B031) 0.006 (03B033)	0.005 (04B023) 0.02 (04B024)	0.006 (05B018)	0.006 (06B022) 0.004 (06B026) 0.01 (06B030)	0.005 (07B024)	--	0.003 (07B023) 0.004 (09B028) 0.004 (09B024)	0.004 (09B026) 0.005 (09B027)	--	--	--
	In-water sediment	--	Cancer Risk	8.E-08 (2W) 1.E-07 (2E) 1.E-07 (2.5W) 2.E-07 (2.5E)	2.E-07 (3W) 1.E-07 (3E) 2.E-07 (3.5W) 2.E-07 (3.5E)	1.E-07 (4W) 3.E-07 (4E) 2.E-07 (4.5W) 9.E-07 (4.5E)	2.E-07 (5W) 1.E-07 (5E) 4.E-07 (5.5W) 2.E-07 (5.5E)	6.E-06 (6W) 2.E-07 (6E) 4.E-07 (6.5W) 1.E-07 (6.5E)	3.E-06 (7W) 3.E-07 (7E) 9.E-08 (7.5W) 7.E-08 (7.5E)	1.E-07 (8W) 2.E-07 (8E) 3.E-07 (8.5W) 1.E-07 (8.5E)	2.E-07	2.E-07 (9W) 8.E-08 (9E) 1.E-07 (9.5W) 7.E-08 (9.5E)	2.E-07 (10W) 9.E-08 (10E) 8.E-08 (10.5W) 7.E-08 (10.5E)	8.E-08 (11W) 1.E-07 (11E) 6.E-08 (11.5W)	6.E-07

Table 8.4-2. Summary of Human Health Risks, Central Tendency.

				Exposure Area											
Receptor	**Exposure Medium**	**Scenario**	**Endpoint**	**RM 2**	**RM 3**	**RM 4**	**RM 5**	**RM 6**	**RM 7**	**RM 8**	**Swan Island Lagoon**	**RM 9**	**RM 10**	**RM 11**	**Study-Area Wide**
			Hazard Index	0.0004 (2W) 0.002 (2E) 0.0005 (2.5W) 0.0006 (2.5E)	0.03 (3W) 0.03 (3E) 0.04 (3.5W) 0.04 (3.5E)	0.04 (4W) 0.04 (4E) 0.04 (4.5W) 0.04 (4.5E)	0.04 (5W) 0.04 (5E) 0.03 (5.5W) 0.03 (5.5E)	0.04 (6W) 0.03 (6E) 0.05 (6.5W) 0.04 (6.5E)	0.09 (7W) 0.04 (7E) 0.04 (7.5W) 0.04 (7.5E)	0.04 (8W) 0.04 (8E) 0.04 (8.5W) 0.04 (8.5E)	0.04	0.04 (9W) 0.0005 (9E) 0.001 (9.5W) 0.0005 (9.5E)	0.002 (10W) 0.0004 (10E) 0.0005 (10.5W)	0.0004 (11W) 0.003 (11E) 0.0003 (11.5W)	0.04
			Breastfeeding Infant Hazard Index	0.0008 (2W) 0.03 (2E) 0.0006 (2.5W) 0.003 (2.5E)	0.001 (3W) 0.001 (3E) 0.001 (3.5W) 0.02 (3.5E)	0.001 (4W) 0.01 (4E) 0.002 (4.5W) 0.002 (4.5E)	0.001 (5W) 0.001 (5E) 0.002 (5.5W) 0.01 (5.5E)	0.003 (6W) 0.005 (6E) 0.005 (6.5W) 0.01 (6.5E)	0.1 (7W) 0.003 (7E) 0.005 (7.5W) 0.002 (7.5E)	0.007 (8W) 0.01 (8E) 0.1 (8.5W) 0.003 (8.5E)	0.02	0.03 (9W) 0.003 (9E) 0.01 (9.5W) 0.002 (9.5E)	0.01 (10W) 0.002 (10E) 0.002 (10.5W) 0.003 (10.5E)	0.002 (11W) 0.1 (11E) 0.001 (11.5W)	0.02
Domestic Water Use	Surface water	--	Cancer Risk	2.E-05 (W025) 4.E-06 (W026)	4.E-06 (W028) 1.E-05 (W005)	3.E-06 (W029)	4.E-06 (W030) 5.E-06 (W010)	2.E-05 (W011) 2.E-04 (W031) 5.E-06 (W014) 2.E-05 (W032)	2.E-05 (W033) 5.E-06 (W034)	6.E-06 (W036)	2.E-05 (W035) 4.E-06 (W020)	4.E-06 (W037) 4.E-06 (W038)	--	1.E-05 (W023)	3.E-05
			Hazard Index	0.07 (W025) 0.4 (W026)	0.07 (W028) 0.5 (W005)	0.05 (W029)	0.08 (W030) 0.09 (W010)	0.07 (W011) 0.08 (W031) 0.08 (W014) 0.06 (W032)	0.3 (W033) 0.09 (W034)	0.08 (W036)	0.8 (W035) 0.08 (W020)	0.08 (W037) 0.08 (W038)	--	0.5 (W023)	0.6

Notes:
RM - river mile