Adult salmonids and rainbow smelt (freshwater, groups 1 and 2)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	A	80000	24.00	10	No mortality	D. Herbert, personal communication to Alabaster & Lloyd (1980)
Trout (Rainbow)	A	160000	24.00	14	100% mortality	D. Herbert, personal communication to Alabaster & Lloyd (1980)
Salmon (Coho)	A	6779	72.00	7	Loss of habitat caused by excessive sediment transport	Coats et al. (1985)
Steelhead	A	6779	72.00	7	Loss of habitat caused by excessive sediment transport	Coats et al. (1985)
Trout (Brook)	A	4	48.00	3	Fish more active and less dependent on cover	Gradall & Swenson (1982)
Salmon	A	213	24.00	10	Abandoned traditional spawning ground	Hamilton (1961)
Trout (Sea)	A	213	24.00	10	Abandoned traditional spawning ground	Hamilton (1961)
Trout (Brown)	A	1000	8760.00	10	Reduced abundance	Herbert et al. (1961)
Trout (Brown)	A	60	8760.00	0	No adverse effect, healthy population	Herbert et al. (1961)
Trout (Brown)	A	1040	17520.00	8	Gill lamellae thickened (VFSS)	Herbert et al. (1961)
Trout (Brown)	A	1210	17520.00	8	Some gill lamellae became fused (VFSS)	Herbert et al. (1961)
Trout (Brown)	A	1061	8760.00	14	Population one-seventh of expected size (River Fal)	Herbert et al. (1961)
Trout (Brown)	A	5838	8760.00	14	Fish numbers one-seventh of expected (River Par)	Herbert et al. (1961)
Trout (Brown)	A	1061	8760.00	14	Deterioration of spawning gravel (River Par)	Herbert et al. (1961)
Trout (Brown)	A	5838	8760.00	14	Deterioration of spawning gravel (River Fal)	Herbert et al. (1961)
Trout (Brown)	A	59	8760.00	0	No adverse effect (River Camel)	Herbert et al. (1961)
Trout (Brown)	A	5838	8760.00	4	Diet shifted to terrestrial invertebrates	Herbert et al. (1961)
Trout (Brown)	A	1061	8760.00	4	Diet shifted to terrestrial invertebrates	Herbert et al. (1961)
Grayling (Arctic)	A	100	1008.00	8	Fish had decreased resistance to environmental stresses	McLeay et al. (1984)
Grayling (Arctic)	A	100	1008.00	9	Impaired feeding	McLeay et al. (1984)
Grayling (Arctic)	A	100	1008.00	9	Reduced growth	McLeay et al. (1984)
Trout (Rainbow)	A	18	720.00	10	Abundance reduced	Peters (1967)
Trout (Brown)	A	319	720.00	12	Decrease in population size	Peters (1967)
Trout (Brown)	A	18	720.00	10	Abundance reduced	Peters (1967)
Trout (Rainbow)	A	79	720.00	10	Abundance reduced	Peters (1967)
Trout (Brown)	A	79	720.00	10	Abundance reduced	Peters (1967)
Trout (Rainbow)	A	167	720.00	12	Abundance greatly reduced	Peters (1967)
Trout (Brown)	A	167	720.00	12	Abundance greatly reduced	Peters (1967)
Trout (Rainbow)	A	186	720.00	12	Abundance greatly reduced	Peters (1967)
Trout (Brown)	A	186	720.00	12	Abundance greatly reduced	Peters (1967)
Trout (Rainbow)	A	319	720.00	12	Abundance greatly reduced	Peters (1967)
Trout (Brown)	A	319	720.00	12	Abundance greatly reduced	Peters (1967)
Whitefish (Mountain)	A	10000	24.00	10	Fish died; silt-clogged gills	Langer (1980)
Salmon (Chinook)	A	650	168.00	5	No latent effects on homing in subsequent test at low SS (returned: 55%, control 56.9%)	Brannon et al. (1981)
Salmon (Chinook)	A	650	168.00	5	No histological signs of damage to olfactory sensory epithelium	Brannon et al. (1981)
Salmon (Chinook)	A	337	0.17	7	Preference for home water reduced, VA (45%, control 80%)	Brannon et al. (1981)
Salmon (Chinook)	A	0	0.17	3	Strong preference for clean home water (80%) over clean city water	Brannon et al. (1981)
Salmon (Chinook)	A	337	0.17	7	Less likely to move upstream, VA (35% moved upstream)	Brannon et al. (1981)
Salmon (Chinook)	A	337	0.17	4	Preference for home water with VA vs non-home water with VA (89%)	Brannon et al. (1981)
Salmon (Chinook)	A	337	0.17	0	No effect on elapsed time to move upstream	Brannon et al. (1981)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Chinook)	A	337	0.17	1	Quicker to enter city water vs home water (w/ and w/o VA)	Brannon et al. (1981)
Salmon (Chinook)	A	337	0.17	3	Preferece for non-turbid water (VA)	Brannon et al. (1981)
Salmon (Chinook)	A	337	0.17	5	Avoidance of sediment plume, increased zig-zagging across raceway (VA)	Brannon et al. (1981)
Salmon (Chinook)	A	337	0.17	5	Movement slowed in turbid water (VA)	Brannon et al. (1981)
Salmon (Chinook)	A	1204	96.00	12	50% mortality, in-stream (LC50)	Unk, Cited by Brannon et al. (1981)
Salmon (Chinook)	A	18722	96.00	12	50% mortality, static bioassay (LC50)	Unk, Cited by Brannon et al. (1981)
Salmon (Chinook)	A	337	0.17	7	May delay migratory/homing behavior	Brannon et al. (1981)
Grayling (Arctic)	A	187	24.00	8	Gill histopathologies (Hypertrophy, hypoerplasia and clubbing)of lamellae	Birtwell et al. (1984)
Fish	A	10000	24.00	9	Decreased and less diverse fish populations	Knapp (unpublished, cited by Birwell et al. (1984))
Grayling (Arctic)	A	100	24.00	0	Healthy population, all age classes	Knapp (unpublished, cited by Birwell et al. (1984))
Whitefish (Mountain)	A	100	24.00	0	Healthy population	Knapp (unpublished, cited by Birwell et al. (1984))
Grayling (Arctic)	A	10000	24.00	3	Downstream displacement	Knapp (unpublished, cited by Birwell et al. (1984))
Trout (Brown)	A	100	720.00	11	Population reduced	Scullion & Edwards (1980)
Trout (Brown)	A	100	720.00	8	Low condition factor	Scullion & Edwards (1980)
Trout (Brown)	A	110	720.00	8	Switched to primarily terrestrial invertebrate diet (97% diet)	Scullion & Edwards (1980)
Trout (Rainbow)	A	250	0.25	5	Rate of coughing increased (FSS)	Hughes (1975)
Trout (Rainbow)	A	100	0.25	5	Rate of coughing increased (FSS)	Hughes (1975)
Trout (Rainbow)	A	250	0.25	5	Rate of coughing increased (FSS)	Hughes (1975)
Trout (Rainbow)	A	600	0.25	5	Rate of coughing increased (FSS)	Hughes (1975)
Salmon (Sockeye)	A	1577	96.00	5	No respiratory distress observed	Servizi & Martens (1987)
Salmon (Sockeye)	A	1577	96.00	5	No histological or maked pathological effects on gills	Servizi & Martens (1987)
Salmon (Sockeye)	A	1577	96.00	8	Sediment particles observed between gill lamellae	Servizi & Martens (1987)
Salmon (Sockeye)	A	1577	96.00	8	Plasma glucose levels increased 150%	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	8	Plasma glucose levels increased 39%	Servizi & Martens (1987)
Salmon (Sockeye)	A	1577	96.00	8	Significant increase in hematocrit levels	Servizi & Martens (1987)
Salmon (Sockeye)	A	1577	96.00	10	No mortality	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	5	No respiratory distress observed	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	10	Gill fungus caused mortality	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	10	20% mortality (control 20%)	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	5	No effect on leucocrit values	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	8	Slight increase in hematocrit levels	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	8	Signficant increase in plasma glucose	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	5	No histological or marked pathological effects on gills	Servizi & Martens (1987)
Salmon (Sockeye)	A	508	96.00	6	Sediment particles observed between gill lamellae	Servizi & Martens (1987)
Salmon (Chinook)	A	650	168.00	7	Homing behavior improved (2 days, control 7 days)	Whitman et al. (1982)
Salmon (Chinook)	A	650	168.00	7	Homing behavior normal, but fewer test fish returned (20%, control 65%)	Whitman et al. (1982)
Salmon (Chinook)	A	650	168.00	7	Homing behavior impaired and delayed (3 days, control 2 days)	Whitman et al. (1982)
Salmon (Chinook)	A	650	168.00	7	Homing behavior normal, more test fish returned (70%, control 45%)	Whitman et al. (1982)
Salmon (Chinook)	A	650	168.00	7	Homing behavior improved (2 days, control 3 days)	Whitman et al. (1982)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Chinook)	A	650	168.00	7	Homing behavior normal, more test fish returned (75%, control 61%)	Whitman et al. (1982)
Salmon (Chinook)	A	350	0.17	7	Home water preference disrupted (80% home water, 20% city water)	Whitman et al. (1982)
Salmon (Chinook)	A	350	0.17	7	Home water preference disrupted (45% home water ash, 55% city water)	Whitman et al. (1982)
Salmon (Chinook)	A	350	0.17	7	Home water preference disrupted (89% home water w/ash, 11% city water w/ash)	Whitman et al. (1982)
Salmon (Chinook)	A	350	0.17	7	Home water preference disrupted	Whitman et al. (1982)
Salmon (Chinook)	A	650	168.00	7	Homing behavior normal, but fewer test fish returned	Whitman et al. (1982)
Trout (Rainbow)	A	20	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Trout (Rainbow)	A	31	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Grayling (Arctic)	A	20	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Grayling (Arctic)	A	31	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
White (Round)	A	20	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
White (Round)	A	31	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Trout (Rainbow)	A	20	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Trout (Rainbow)	A	31	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Grayling (Arctic)	A	20	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Grayling (Arctic)	A	31	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
White (Round)	A	20	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
White (Round)	A	31	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Trout (Rainbow)	A	31	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Grayling (Arctic)	A	31	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Salmon (Coho)	A	1600	96.00	10	Some fish died	Stober et al. (1981)
Salmon (Coho)	A	1600	144.00	10	Some fish died	Stober et al. (1981)
Salmon (Coho)	A	1600	192.00	10	Some fish died	Stober et al. (1981)
Salmon (Coho)	A	1429	48.00	10	Some fish died	Stober et al. (1981)
Salmon (Chinook)	A	1429	48.00	10	Some fish died	Stober et al. (1981)
Salmon (Steelhead)	A	1429	48.00	10	Some fish died	Stober et al. (1981)
Salmon (Coho)	A	1429	216.00	10	One fish died	Stober et al. (1981)
Trout (Lake)	A	3	21.00	3	Fish avoided turbid areas	Swenson (1978)
Trout (Brown)	A	4700	305.00	11	40% population reduction	Crosa et al. (2010)
Trout (Brown)	A	4700	305.00	10	15% biomass reduction	Crosa et al. (2010)
Trout (Brown)	A	4700	305.00	12	40% population reduction	Crosa et al. (2010)
Trout (Brown)	A	4700	305.00	13	66% biomass reduction	Crosa et al. (2010)
Trout (Brown)	A	3000	283.00	11	36% population reduction	Crosa et al. (2010)
Trout (Brown)	A	3000	283.00	12	50% population reduction	Crosa et al. (2010)
Trout (Cutthroat)	A	31	42.00	4	Feeding rate (on Chum salmon) decreased 19% (NTU)	Gregory & Levings (1996)
Trout (Cutthroat)	A	57	162.00	4	Feeding rate (on Chinook salmon) decreased 41% (NTU)	Gregory & Levings (1996)
Trout (Cutthroat)	A	29	42.00	4	Feeding rate (on Sockeye salmon) decreased 41% (NTU)	Gregory & Levings (1996)
Trout (Rainbow)	A	30	1176.00	0	No observable effect	Water Research Center (1961)
Trout (Rainbow)	A	30	1176.00	0	No observable effect	Water Research Center (1961)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	A	90	1176.00	10	Some fish died	Water Research Center (1961)
Trout (Rainbow)	A	90	1176.00	10	Some fish died	Water Research Center (1961)
Trout (Rainbow)	A	270	1176.00	12	Mortality rate 50%	Water Research Center (1961)
Trout (Rainbow)	A	270	1176.00	12	Mortality rate 50%	Water Research Center (1961)
Trout (Rainbow)	A	270	1176.00	8	Epithelial cells thickened	Water Research Center (1961)
Trout (Rainbow)	A	270	1176.00	8	Epithelial cells thickened	Water Research Center (1961)
Trout (Rainbow)	A	270	1176.00	8	Lamellae fused in gills	Water Research Center (1961)
Trout (Rainbow)	A	270	1176.00	8	Lamellae fused in gills	Water Research Center (1961)
Trout (Rainbow)	A	270	1176.00	8	Fin-rot occurred in some fish	Water Research Center (1961)
Trout (Rainbow)	A	270	1176.00	8	Fin-rot occurred in some fish	Water Research Center (1961)
Trout (Brown)	A	0	744.00	0	Population density 20/1000 ft^3	Water Research Center (1961)
Trout (Brown)	A	60	744.00	0	Population density 20/1000 ft^3	Water Research Center (1961)
Trout (Brown)	A	1000	744.00	9	Population reduced 1/3	Water Research Center (1961)
Trout (Brown)	A	6000	744.00	9	Population reduced 1/20	Water Research Center (1961)
Trout (Rainbow)	A	8	1.00	0	No behavioral effects	Barrett et al. (1992)
Trout (Rainbow)	A	45	1.00	4	Reactive distance decreased 35%	Barrett et al. (1992)
Trout (Rainbow)	A	97	1.00	4	Reactive distance decreased 55%	Barrett et al. (1992)
Trout (Brook)	A	8	24.00	0	No change in home water preference	DeVore et al. (1980)
Trout (Brook)	A	41	24.00	0	No change in home water preference	DeVore et al. (1980)
Steelhead	A	75	168.00	7	Reduced quality of rearing habitat	Slaney et al. (1977b)
Trout (Rainbow)	A	75	168.00	7	Reduced quality of rearing habitat	Slaney et al. (1977b)
Trout (Rainbow)	A	59	2232.00	10	Habitat damage; reduced porosity of gravel	Slaney et al. (1977b)
Salmon	A	16	24.00	4	Feeding behavior apparently reduced	Townsend (1983), Ott (1984)
Salmon (Atlantic)	A	2500	24.00	10	Increased risk of predation	Gibson (1933)
Trout	A	16	24.00	4	Feeding behavior apparently reduced	Townsend (1983), Ott (1984)
Trout (Cutthroat)	A	35	2.00	4	Feeding ceased; fish sought cover	Cordone & Kelly (1961)
Trout (Rainbow)	A	17500	168.00	8	Fish survived; gill epithelium proliferated and thickened	Slanina (1962)
Salmon	A	25	4.00	4	Feeding activity reduced	Phillips (1970)
Grayling (Arctic)	A	31	0.02	3	Fish avoided turbid water	Suchanek et al. (1984a, 1984b)
Trout (Rainbow)	A	31	0.02	3	Fish avoided turbid water (avoidance behavior)	Suchanek et al. (1984a, 1984b)
Trout (Rainbow)	A	30	600.00	3	Modified feeding behaviour	Becke et al. (2017, data pulled from Courtice et al. (2022))
Trout (Brown)	A	300	1104.00	10	Density drop average 5%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	A	300	1272.00	12	Density drop average 60%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	A	800	960.00	9	Density drop average 0%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	A	4700	312.00	9	Density drop average 0%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	A	3000	288.00	10	Density drop average 20%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	A	3500	312.00	9	Density drop average 0%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	A	4000	312.00	10	Density drop average 5%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	A	2600	72.00	12	Density drop average 45%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Lahontan Cutthroat)	A	138	24.00	4	75% reduction in feeding	Vinyard & Yuan (1996)
Trout (Lahontan Cutthroat)	A	107	24.00	4	55% reduction in feeding	Vinyard & Yuan (1996)
Whitefish (Mountain)	A	4034	120.00	8	Decreased blood hematocrit levels	Bergstedt & Bergersen (1996)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Whitefish (Mountain)	A	4034	120.00	8	Decrease blood leucocrit levels	Bergstedt & Bergersen (1996)
Whitefish (Mountain)	A	4034	120.00	8	Decrease plasma protein levels	Bergstedt & Bergersen (1996)
Whitefish (Mountain)	A	4034	120.00	8	Abnormal gill, pseudobranch and fin histology observed	Bergstedt & Bergersen (1996)
Whitefish (Mountain)	A	4034	120.00	8	Decreased body condition (less mesenteric fat)	Bergstedt & Bergersen (1996)
Whitefish (Mountain)	A	4034	120.00	0	No effect to spleen, hindgut, kidney, liver or bile	Bergstedt & Bergersen (1996)
Whitefish (Mountain)	A	4034	120.00	9	Decreased CPUE	Bergstedt & Bergersen (1996)
Trout (Rainbow)	A	4034	120.00	9	Decreased CPUE	Bergstedt & Bergersen (1996)
Trout (Brown)	A	4034	120.00	9	Decreased CPUE	Bergstedt & Bergersen (1996)
Whitefish (Mountain)	A	4034	120.00	8	Decrease in Fulton's Condition Index	Bergstedt & Bergersen (1996)
Trout (Rainbow)	A	4034	120.00	8	Decrease in Fulton's Condition Index	Bergstedt & Bergersen (1996)
Trout (Brown)	A	4034	120.00	8	Decrease in Fulton's Condition Index	Bergstedt & Bergersen (1996)
Trout (Rainbow)	A	300	192.00	4	Behavioural effects with increased energy expenditure	Michel et al. (2013)
Trout (Rainbow)	A	300	576.00	6	Long-term survivability issues due to general stress.	Michel et al. (2013)
Trout (Rainbow)	A	1300	192.00	4	Behavioural effects with increased energy expenditure	Michel et al. (2013)
Trout (Rainbow)	A	1300	576.00	6	Long-term survivability issues due to general stress.	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	4	Behavioural effects with increased energy expenditure	Michel et al. (2013)
Trout (Rainbow)	A	5000	576.00	6	Long-term survivability issues due to general stress.	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	8	Slight decrease in growth	Michel et al. (2013)
Trout (Rainbow)	A	300	576.00	8	Slight decrease in body condition	Michel et al. (2013)
Trout (Rainbow)	A	1300	576.00	8	Slight decrease in body condition	Michel et al. (2013)
Trout (Rainbow)	A	5000	576.00	8	Slight decrease in body condition	Michel et al. (2013)
Trout (Rainbow)	A	300	192.00	8	Increase in hepato-somatic index	Michel et al. (2013)
Trout (Rainbow)	A	1300	192.00	8	Increase in hepato-somatic index	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	8	Increase in hepato-somatic index	Michel et al. (2013)
Trout (Rainbow)	A	300	576.00	8	Increase in hepato-somatic index	Michel et al. (2013)
Trout (Rainbow)	A	1300	576.00	8	Increase in hepato-somatic index	Michel et al. (2013)
Trout (Rainbow)	A	5000	576.00	8	Increase in hepato-somatic index	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	8	Slight decrease in body weight	Michel et al. (2013)
Trout (Rainbow)	A	300	192.00	8	Decreased growth rate	Michel et al. (2013)
Trout (Rainbow)	A	1300	192.00	8	75% reduction in growth rate	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	8	75% reduction in growth rate	Michel et al. (2013)
Trout (Rainbow)	A	300	192.00	8	Decrease in spleen-spmatic index	Michel et al. (2013)
Trout (Rainbow)	A	1300	192.00	8	Decrease in spleen-spmatic index	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	8	Decrease in spleen-spmatic index	Michel et al. (2013)
Trout (Rainbow)	A	300	576.00	8	No change in growth rate	Michel et al. (2013)
Trout (Rainbow)	A	1300	576.00	8	No change in growth rate	Michel et al. (2013)
Trout (Rainbow)	A	5000	576.00	8	No change in growth rate	Michel et al. (2013)
Trout (Rainbow)	A	5000	576.00	8	Increase in spleen-somatic index	Michel et al. (2013)
Trout (Rainbow)	A	300	192.00	8	Slight increase in immature erythrocytes	Michel et al. (2013)
Trout (Rainbow)	A	1300	192.00	8	Signficant increase in immature erythrocyte	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	8	Signficant increase in immature erythrocyte	Michel et al. (2013)
Trout (Rainbow)	A	300	576.00	8	Slight increase in immature erythrocytes	Michel et al. (2013)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	A	1300	576.00	8	Slight increase in immature erythrocytes	Michel et al. (2013)
Trout (Rainbow)	A	5000	576.00	8	Slight increase in immature erythrocytes	Michel et al. (2013)
Trout (Rainbow)	A	5000	576.00	8	Increase in spleen granular macrophages	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	8	Increase in spleen granular macrophages	Michel et al. (2013)
Trout (Rainbow)	A	5000	576.00	8	Evidence of kidney damage	Michel et al. (2013)
Trout (Rainbow)	A	5000	192.00	8	Evidence of kidney damage	Michel et al. (2013)
Trout (Rainbow)	A	115	30.00	6	Physiological responses, no mortality.	Reid et al. (2003)
Trout (Rainbow)	A	297	30.00	5	Increased respiration rates	Reid et al. (2003)
Trout (Rainbow)	A	297	30.00	8	Slight increase in hematocrit levels	Reid et al. (2003)
Trout (Rainbow)	A	297	30.00	8	Decreased leucocrit levels	Reid et al. (2003)
Trout (Rainbow)	A	115	30.00	5	Increased respiration rates	Reid et al. (2003)
Trout (Rainbow)	A	115	30.00	8	Slight increased in hematocrit levels	Reid et al. (2003)
Trout (Rainbow)	A	115	30.00	8	Increased leucocrit levels	Reid et al. (2003)

Juvenile salmonids (freshwater, groups 1 and 3)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	F	5471.00	96.00	10	10% mortality	J.O.T.J (Not seen: unpublished data cited by Newcombe & Jensen (1996))
Steelhead	F	5471.00	96.00	10	0% mortality, fish exhibited behaviors of severe sublethal stress	J.O.T.J (Not seen: unpublished data cited by Newcombe & Jensen (1996))
Salmon (Coho)	J	54.00	12.00	3	Change in territorial behavior and hierarchy dominance	Berg & Northcote (1985)
Salmon (Coho)	J	54.00	12.00	6	Increased physiological stress (gill flaring)	Berg & Northcote (1985)
Salmon (Coho)	J	28.00	12.00	3	Abandonded cover, change in territorial behavior	Berg & Northcote (1985)
Salmon (Coho)	J	20.00	12.00	0	No change in behavior	Berg & Northcote (1985)
Salmon (Coho)	J	30.00	12.00	6	Increased physiological stress (gill flaring)	Berg & Northcote (1985)
Salmon (Coho)	J	60.00	12.00	6	Increased physiological stress (gill flaring)	Berg & Northcote (1985)
Salmon (Coho)	J	60.00	12.00	4	Reduction in prey capture success - 16.3% capture	Berg & Northcote (1985)
Salmon (Coho)	J	30.00	12.00	4	Reduction in prey capture success - 10.8% capture	Berg & Northcote (1985)
Salmon (Coho)	J	20.00	12.00	4	Reduction in prey capture success - 16.2% capture	Berg & Northcote (1985)
Salmon (Coho)	J	60.00	12.00	4	Dominance structure change alter feeding behavior	Berg & Northcote (1985)
Salmon (Coho)	J	30.00	12.00	4	Dominance structure change alter feeding behavior	Berg & Northcote (1985)
Salmon (Coho)	J	54.00	0.02	1	Alarm reaction	Berg (1983)
Salmon (Coho)	J	20.00	0.02	0	No reaction	Berg (1983)
Salmon (Coho)	J	30.00	0.02	2	Dominance structure change, no alarm reaction	Berg (1983)
Salmon (Coho)	J	60.00	0.02	2	Dominance structure change, no alarm reaction	Berg (1983)
Salmon (Coho)	J	60.00	0.02	6	Increased physiological stress (gill flaring)	Berg (1983)
Salmon (Coho)	J	30.00	0.02	6	Increased physiological stress (gill flaring)	Berg (1983)
Salmon (Coho)	J	20.00	0.02	6	Increased physiological stress (gill flaring)	Berg (1983)
Salmon (Coho)	J	27.00	0.02	6	Increased physiological stress (gill flaring)	Berg (1983)
Salmon (Coho)	YY	85.00	0.08	3	Avoidance behavior	Bisson & Bilby (1982)
Salmon (Coho)	YY	85.00	0.02	1	Alarm reaction	Bisson & Bilby (1982)
Catfish (Channel)	Y	81.00	3960.00	9	Reduced gowth rate	Buck (1956)
Catfish (Channel)	Y	189.00	3960.00	0	Growth enhanced	Buck (1956)
Bluegill	Y	81.00	3960.00	9	Reduced gowth rate	Buck (1956)
Bluegill	Y	189.00	3960.00	9	Reduced gowth rate	Buck (1956)
Trout (Rainbow)	J	171.00	96.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	J	1017.00	96.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	96.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	171.00	192.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	1017.00	192.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	192.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	171.00	384.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	1017.00	384.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	384.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	171.00	768.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	1017.00	768.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	768.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	171.00	1536.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	1017.00	1536.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	1536.00	8	Particles penetrated cells of branchial epithelium	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	384.00	8	Hyperplasia of gill tissue	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	768.00	8	Hyperplasia of gill tissue	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	384.00	8	Parasitic infection of gill	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	768.00	8	Parasitic infection of gill	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	1008.00	10	Mortality rate 13.6%	Goldes et al. (1988)
Trout (Rainbow)	J	36.00	1536.00	10	Mortality rate 2.5%	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	384.00	8	Increased lamellae thickness	Goldes et al. (1988)
Trout (Rainbow)	J	4887.00	768.00	8	Increased lamellae thickness	Goldes et al. (1988)
Trout (Cutthroat)	U	494.00	456.00	12	Mortality 44% (control 90%)	Griffin (1938)
Trout (Cutthroat)	U	494.00	456.00	0	Fed well, grew normally, conditions do not appear to be unfavorable after week 1	Griffin (1938)
Salmon (Chinook)	U	509.00	672.00	0	Fed well, grew normally, conditions do not appear to be unfavorable after week 1	Griffin (1938)
Salmon (Chinook)	U	509.00	672.00	10	Mortality 12% (control 64%)	Griffin (1938)
Trout (Rainbow)	Y	49.00	5544.00	10	No mortality (control 0%) (CWS)	Herbert & Richards (1962)
Trout (Rainbow)	Y	96.00	5544.00	10	No mortality (control 0%) (CWS)	Herbert & Richards (1962)
Trout (Rainbow)	Y	189.00	6720.00	10	No mortality (control 0%) (CWS)	Herbert & Richards (1962)
Trout (Rainbow)	Y	40.00	5544.00	10	No mortality (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	93.00	5544.00	10	No mortality (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	93.00	6720.00	8	Fin rot (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	24.00	10	Test fish began to die on first day (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	672.00	10	Mortality 20% (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	1344.00	11	Mortality 28% (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	2016.00	12	Mortality 48% (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	2688.00	12	Mortality 51% (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	3360.00	13	Mortality 63% (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	4032.00	13	Mortality 65% (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	4704.00	13	Mortality 67% (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	192.00	5376.00	13	Mortality 78% (control 0%) (WF)	Herbert & Richards (1962)
Trout (Rainbow)	Y	49.00	960.00	9	Rate of weight gain reduced (CWS)	Herbert & Richards (1962)
Trout (Rainbow)	Y	40.00	960.00	9	Rate of weight gain reduced (WF)	Herbert & Richards (1962)
Whitefish (Mountain)	U	0.71	0.25	3	Swimming behavior changed	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	71.00	0.25	3	Avoidance behavior manifested part of the time	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	709.00	0.25	3	Fish attracted to turbidity	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	71.00	0.25	0	No effect	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	709.00	0.25	3	Fish slightly attracted to turbidity	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	71.00	0.25	0	No effect	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	709.00	0.25	3	Avoidance behavior manifested part of the time	Lawrence & Scherer (1974)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	Y	1290.00	0.25	3	Avoidance behavior manifested part of the time	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	709.00	0.25	3	Fish attracted to turbidity	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	1290.00	0.25	3	Fish attracted to turbidity	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	12900.00	0.25	3	Preference for clean water	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	0.71	0.25	5	Increased swimming speed and direction	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	7.00	0.25	3	Preference for clean water	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	71.00	0.25	3	Fish attracted to turbidity	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	709.00	0.25	3	Fish attracted to turbidity	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	71.00	0.25	0	No effect	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	709.00	0.25	3	Fish attracted to turbidity	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	1290.00	0.25	3	Fish attracted to turbidity	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	12900.00	0.25	3	Fish avoided turbidity	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	7088.00	96.00	10	0 % mortality (DM)	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	21264.00	96.00	10	0 % mortality (DM)	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	28352.00	96.00	10	0 % mortality (DM)	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	42528.00	96.00	10	20 % mortality (DM)	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	70880.00	96.00	14	90 % mortality (DM)	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	53514.00	96.00	12	50% mortality (96 LC50, DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	35440.00	96.00	14	100% mortality (DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	70880.00	96.00	14	100% mortality (DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	106320.00	96.00	14	100% mortality (DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	17720.00	96.00	12	50% mortality (96 LC50, DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	2.00	96.00	10	0 % mortality (DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	17.00	96.00	10	0 % mortality (DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	167.00	96.00	10	0 % mortality (DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	1671.00	96.00	10	0 % mortality (DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	4176.00	96.00	10	20 % mortality (DM)	Lawrence & Scherer (1974)
Whitefish (Mountain)	U	4500.00	96.00	14	100% mortality (96 LC50, DM)	Lawrence & Scherer (1974)
Trout (Rainbow)	Y	7017.00	96.00	12	100% mortality (96 LC50, DM)	Enviromental Protection Service, from Lawrence & Scherer, 1974
Stickleback (threespine)	F	58.00	96.00	10	No mortality in test deisgned to identify lethal threshold	LeGore & DesVoigne (1973)
Stickleback (threespine)	F	577.00	96.00	10	No mortality in test deisgned to identify lethal threshold	LeGore & DesVoigne (1973)
Stickleback (threespine)	F	5767.00	96.00	10	No mortality in test deisgned to identify lethal threshold	LeGore & DesVoigne (1973)
Stickleback (threespine)	F	28830.00	96.00	10	No mortality in test deisgned to identify lethal threshold	LeGore & DesVoigne (1973)
Salmon (Coho)	F	58.00	96.00	10	No mortality in test deisgned to identify lethal threshold	LeGore & DesVoigne (1973)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	F	577.00	96.00	10	No mortality in test deisgned to identify lethal threshold	LeGore & DesVoigne (1973)
Salmon (Coho)	F	5767.00	96.00	10	No mortality in test deisgned to identify lethal threshold	LeGore & DesVoigne (1973)
Salmon (Coho)	F	28830.00	96.00	10	No mortality in test deisgned to identify lethal threshold	LeGore & DesVoigne (1973)
Salmon (Chinook)	F	1440.00	6.00	9	Growth rate reduced (LNFH)	MacKinlay et al. (1987)
Grayling (Arctic)	U	50000.00	384.00	10	No effect on survival	McLeay et al. (1983, 1987)
Grayling (Arctic)	U	250000.00	96.00	10	No effect on survival	McLeay et al. (1983, 1987)
Grayling (Arctic)	U	50000.00	96.00	10	No effect on survival	McLeay et al. (1987)
Grayling (Arctic)	U	20000.00	96.00	10	10% mortality (control 0%)	McLeay et al. (1983, 1987)
Grayling (Arctic)	U	100000.00	96.00	10	20% mortality (control 0%)	McLeay et al. (1983, 1987)
Grayling (Arctic)	U	100.00	1008.00	10	6.5% mortality (control 10.5%)	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	10	7.5% mortality (control 10.5%)	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	10	8.5% mortality (control 10.5%)	McLeay et al. (1987)
Grayling (Arctic)	U	100000.00	96.00	5	No changes in gill histology (not an end point)	McLeay et al. (1987)
Grayling (Arctic)	U	50000.00	96.00	5	No changes in gill histology (not an end point)	McLeay et al. (1987)
Grayling (Arctic)	U	100000.00	24.00	5	No effect on hematocrit levels	McLeay et al. (1987)
Grayling (Arctic)	U	100000.00	96.00	5	No effect on hematocrit levels	McLeay et al. (1987)
Grayling (Arctic)	U	20000.00	24.00	5	No effect on hematocrit levels	McLeay et al. (1987)
Grayling (Arctic)	U	100000.00	96.00	5	No effect on hematocrit levels	McLeay et al. (1987)
Grayling (Arctic)	U	52000.00	24.00	8	Decrease in leucicrit (# white blood cells)	McLeay et al. (1987)
Grayling (Arctic)	U	5800.00	24.00	8	Decrease in leucicrit (# white blood cells)	McLeay et al. (1987)
Grayling (Arctic)	U	100000.00	96.00	5	No effect on leucicrit	McLeay et al. (1987)
Grayling (Arctic)	U	500.00	24.00	8	Increase in blood sugar (plasma glucose)	McLeay et al. (1983, 1987)
Grayling (Arctic)	U	50.00	24.00	8	Increase in blood sugar (plasma glucose)	McLeay et al. (1987)
Grayling (Arctic)	U	100000.00	96.00	8	Increase and more variation in blood sugar (plasma glucose)	McLeay et al. (1987)
Grayling (Arctic)	U	4400.00	5.00	8	Increase in tolerance to hypoxia (time to death)	McLeay et al. (1987)
Grayling (Arctic)	U	200.00	5.00	8	Decrease in tolerance to hypoxia (time to death)	McLeay et al. (1987)
Grayling (Arctic)	U	100000.00	8.00	5	No effect on tolerance to hypoxia (time to death)	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	12.00	8	Reduced ability to tolerate high temperatures	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	12.00	8	Slight decline in temperature tolerance (critical thermal maxima), acclimated to 15C	McLeay et al. (1987)
Grayling (Arctic)	U	8500.00	12.00	8	Slight decline in temperature tolerance (critical thermal maxima), acclimated to 15C	McLeay et al. (1987)
Grayling (Arctic)	U	50000.00	20.00	5	No effect in temperature tolerance (critical thermal maxima), acclimated to 5C	McLeay et al. (1983, 1987)
Grayling (Arctic)	U	100000.00	20.00	5	No effect in temperature tolerance (critical thermal maxima), acclimated to 5C	McLeay et al. (1983, 1987)
Grayling (Arctic)	U	10000.00	96.00	3	Fish swam near the surface	McLeay et al. (1987)
Grayling (Arctic)	U	10000.00	96.00	3	Fish swam near the surface	McLeay et al. (1987)
Grayling (Arctic)	U	50000.00	96.00	0	No effect on swimming behavior	McLeay et al. (1987)
Grayling (Arctic)	U	50000.00	96.00	0	No effect on swimming behavior	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	5	No effect on hematocrit, leucocrit, or plasma glucose	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	5	No effect on hematocrit, leucocrit, or plasma glucose	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	5	No effect on hematocrit, leucocrit, or plasma glucose	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	5	No effect on condition factor or body moisture	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	5	No effect on condition factor or body moisture	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	5	No effect on condition factor or body moisture	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	5	No overt signs of disease or gill damage	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	5	No overt signs of disease or gill damage	McLeay et al. (1987)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Grayling (Arctic)	U	1000.00	1008.00	5	No overt signs of disease or gill damage	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	8	Fish slightly paler than controls	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	8	Fish notably paler than controls; indistinct parr marks	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	9	Growth rate reduced	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	9	Weight gain reduced by 6%	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	9	Weight gain reduced by 10%	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	9	Weight gain reduced by 33%	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	5	No effect on residual DO content at death	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	5	No effect on residual DO content at death	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	5	No effect on residual DO content at death	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	10	Significant reduction in times to death (elevated O2 consumption rates) relative to fish in 100 mg/L and control	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	10	Significant reduction in times to death (elevated O2 consumption rates) relative to fish in 100 mg/L and control	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	8	Respiration rate increased (FSS)	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	8	Respiration rate increased (FSS)	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	5	No effect on ability to tolerate high temperatures	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	5	No effect on ability to tolerate high temperatures	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	5	No effect on ability to tolerate high temperatures	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	5	No effect on acute lethal tolerance to pentachlorophenol	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	8	Fish less tolerant of pentachlorophenol	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	8	Fish less tolerant of pentachlorophenol	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	840.00	9	Decreased feeding response time to surface drift (16-32 s, control 6-8 s)	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	840.00	9	Decreased feeding response time to surface drift (24-82 s, lower SS 16-32 s), miss-strikes common	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	840.00	9	Decreased feeding response time to surface drift (25 - >191 s, lower SS 16-32 s), miss-strikes common	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	840.00	9	Fish responded less rapidly to drifting food	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1.00	4	Feeding rate reduced (unfamiliar prey: drosophila)	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1.00	4	Feeding rate reduced (unfamiliar prey: drosophila); miss strikes common	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1.00	4	Feeding rate reduced (unfamiliar prey: drosophila); miss strikes common	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1.00	4	Catch rate reduced (unfamiliar prey: drosophila)	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1.00	4	Catch rate reduced (unfamiliar prey: drosophila); miss strikes common	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1.00	4	Catch rate reduced (unfamiliar prey: drosophila); miss strikes common	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	0	No effect on mean prey consumption time (3 min, control 3-4 min; prey Artemia)	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	8	Decrease in mean prey consumption time (4-8 min, control 3-4 min; prey Artemia)	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	8	Failure to consume all prey items (60 min, control 3-4 min; prey Artemia)	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1.00	4	Catch rate reduced (unfamiliar prey: tubificids)	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1.00	4	Catch rate reduced (unfamiliar prey: tubificids)	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1.00	4	Feeding rate reduced (unfamiliar prey: tubificids)	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	840.00	0	No effect on mean prey consumption time (4-9 min, control 9 min; prey tubificids)	McLeay et al. (1987)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Grayling (Arctic)	U	300.00	840.00	8	Decrease in mean prey consumption time (6-9 min, control 9 min; prey tubificids)	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	840.00	8	Failure to consume all prey items (60 min, control 9 min; prey tubificids)	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	756.00	7	Fish moved out of test channel (downstream displacement, 32% upstream vs 60% upstream in control)	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	756.00	7	Fish moved out of test channel (downstream displacement, 15% upstream vs 60% upstream in control)	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	756.00	7	Fish moved out of test channel (downstream displacement, 16% upstream vs 60% upstream in control)	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	756.00	10	Fish displaced from their habitat	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	756.00	10	Fish displaced from their habitat	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	8	Fish had frequent misstrikes while feeding	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	8	Fish responded very slowly to prey	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	1008.00	8	Rate of feeding reduced	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	840.00	8	Rate of feeding reduced	McLeay et al. (1987)
Grayling (Arctic)	U	1000.00	1008.00	8	Fish failed to consume all prey	McLeay et al. (1987)
Grayling (Arctic)	U	300.00	840.00	9	Serious impairment of feeding behavior	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	8	Fish had decreased resistance to environmental stresses	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	9	Impaired feeding	McLeay et al. (1987)
Grayling (Arctic)	U	100.00	1008.00	9	Reduced growth	McLeay et al. (1987)
Grayling (Arctic)	U	1900.00	72.00	10	16% mortality (control 0%)	McLeay et al. (1983)
Grayling (Arctic)	U	1900.00	72.00	9	Gill hypertrophy and hyperplasia	McLeay et al. (1983)
Grayling (Arctic)	U	50.00	24.00	8	Evoke stress response	McLeay et al. (1983)
Salmon (Chinook)	J	207000.00	1.00	14	100% mortality (VA, <5-100 um)	Newcombe & Flagg (1983)
Salmon (Chinook)	J	82400.00	6.00	12	60% mortality (VA, <5-100 um)	Newcombe & Flagg (1983)
Salmon (Chinook)	J	39300.00	24.00	10	No mortality (VA, <5-100um; median <15 um)	Newcombe & Flagg (1983)
Salmon (Chinook)	J	34900.00	36.00	14	90% mortality (VA)	Newcombe & Flagg (1983)
Salmon (Chinook)	J	500.00	36.00	10	No mortality (VA, <5-100um; median <15 um)	Newcombe & Flagg (1983)
Salmon (Chinook)	J	1400.00	36.00	12	50% mortality	Newcombe & Flagg (1983)
Salmon (Chinook)	J	9400.00	36.00	12	50% mortality	Newcombe & Flagg (1983)
Salmon (Sockeye)	J	34900.00	36.00	14	90% mortality (VA)	Newcombe & Flagg (1983)
Salmon (Sockeye)	J	207000.00	1.00	14	100% mortality (VA, <5-100 um)	Newcombe & Flagg (1983)
Salmon (Sockeye)	J	82400.00	6.00	12	60% mortality (VA, <5-100 um)	Newcombe & Flagg (1983)
Salmon (Sockeye)	J	39300.00	24.00	10	No mortality (VA, <5-100um; median <15 um)	Newcombe & Flagg (1983)
Grayling (Arctic)	YY	106.00	24.00	14	94% mortality	Reynolds et al. (1989)
Grayling (Arctic)	YY	106.00	48.00	14	86% mortality	Reynolds et al. (1989)
Grayling (Arctic)	YY	106.00	72.00	14	85% mortality	Reynolds et al. (1989)
Grayling (Arctic)	YY	106.00	96.00	14	87% mortality	Reynolds et al. (1989)
Grayling (Arctic)	YY	379.00	24.00	14	85% mortality	Reynolds et al. (1989)
Grayling (Arctic)	YY	379.00	48.00	13	74% mortality	Reynolds et al. (1989)
Grayling (Arctic)	YY	379.00	72.00	12	59% mortality	Reynolds et al. (1989)
Grayling (Arctic)	YY	379.00	96.00	12	53% mortality	Reynolds et al. (1989)
Grayling (Arctic)	U	1340.00	144.00	9	Food intake and prey diversity severly reduced	Reynolds et al. (1989)
Grayling (Arctic)	U	6280.00	144.00	9	Food intake and prey diversity severly reduced	Reynolds et al. (1989)
Grayling (Arctic)	U	120.00	144.00	5	No effect on food intake	Reynolds et al. (1989)
Grayling (Arctic)	U	160.00	144.00	5	No effect on food intake	Reynolds et al. (1989)
Grayling (Arctic)	U	1340.00	144.00	8	Fish displayed many signs of poor condition	Reynolds et al. (1989)
Grayling (Arctic)	U	6280.00	144.00	8	Fish displayed many signs of poor condition	Reynolds et al. (1989)
Grayling (Arctic)	U	1340.00	144.00	8	Visceral fat absent	Reynolds et al. (1989)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Grayling (Arctic)	U	6280.00	144.00	8	Visceral fat absent	Reynolds et al. (1989)
Grayling (Arctic)	U	1340.00	144.00	9	Moderate damage to gills, mucous and sediment present	Reynolds et al. (1989)
Grayling (Arctic)	U	6280.00	144.00	9	Moderate damage to gills, mucous and sediment present	Reynolds et al. (1989)
Grayling (Arctic)	U	1340.00	24.00	8	Increased gill mucous production	Reynolds et al. (1989)
Grayling (Arctic)	U	1340.00	48.00	8	Histopathological changes in gill tissue	Reynolds et al. (1989)
Grayling (Arctic)	U	1340.00	96.00	8	Histopathological changes in gill tissue	Reynolds et al. (1989)
Grayling (Arctic)	U	120.00	144.00	5	No effect on body condition, visceral fat or gill damage	Reynolds et al. (1989)
Grayling (Arctic)	U	160.00	144.00	5	No effect on body condition, visceral fat or gill damage	Reynolds et al. (1989)
Grayling (Arctic)	U	1205.00	48.00	8	Moderate gill damage	Reynolds et al. (1989)
Grayling (Arctic)	U	1205.00	96.00	9	Extensive gill damage (epithelial hyperplasia, secondary lamellae hypertrophy)	Reynolds et al. (1989)
Grayling (Arctic)	U	170.00	96.00	5	No gill damage	Reynolds et al. (1989)
Grayling (Arctic)	U	1388.00	96.00	9	Extensive gill damage (epithelial hyperplasia, secondary lamellae hypertrophy)	Reynolds et al. (1989)
Grayling (Arctic)	U	115.00	96.00	5	No effect on leucocrit values	Reynolds et al. (1989)
Grayling (Arctic)	U	1158.00	96.00	5	No effect on leucocrit values	Reynolds et al. (1989)
Grayling (Arctic)	U	1158.00	48.00	5	No effect on oxygen consumption	Reynolds et al. (1989)
Grayling (Arctic)	U	1158.00	96.00	5	No effect on oxygen consumption	Reynolds et al. (1989)
Steelhead	J	2000.00	48.00	10	No mortality (VA)	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	10	No mortality (VA)	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	10	No mortality (VA)	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	10	No mortality (KC)	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	10	No mortality (KC)	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	10	No mortality (KC)	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	10	No mortality (KC)	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	10	No mortality	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	10	No mortality	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	9	Signficant increase in plasma corticosteroids (VA)	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	9	Signficant increase in plasma corticosteroids (VA)	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	9	Signficant increase in plasma corticosteroids (VA)	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	9	Signficant increase in plasma corticosteroids (KC)	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	9	Signficant increase in plasma corticosteroids (KC)	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	9	Signficant increase in plasma corticosteroids (KC)	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	9	Signficant increase in plasma corticosteroids	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	9	Signficant increase in plasma corticosteroids	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	9	Signficant increase in plasma corticosteroids	Redding & Schreck (1982)
Steelhead	J	3000.00	3.00	9	Signficant increase in plasma corticosteroids	Redding & Schreck (1982)
Steelhead	J	3000.00	9.00	9	Signficant increase in plasma corticosteroids	Redding & Schreck (1982)
Steelhead	J	2000.00	9.00	8	Increase in blood hematocrit levels (VA)	Redding & Schreck (1982)
Steelhead	J	3000.00	9.00	8	Increase in blood hematocrit levels (VA)	Redding & Schreck (1982)
Steelhead	J	500.00	9.00	8	Increase in blood hematocrit levels (VA)	Redding & Schreck (1982)
Steelhead	J	2000.00	9.00	8	Increase in blood hematocrit levels (KC)	Redding & Schreck (1982)
Steelhead	J	3000.00	9.00	8	Increase in blood hematocrit levels (KC)	Redding & Schreck (1982)
Steelhead	J	500.00	9.00	8	Increase in blood hematocrit levels (KC)	Redding & Schreck (1982)
Steelhead	J	2000.00	9.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	3000.00	9.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	500.00	9.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	2000.00	24.00	8	Increase in blood hematocrit levels (VA)	Redding & Schreck (1982)
Steelhead	J	3000.00	24.00	8	Increase in blood hematocrit levels (VA)	Redding & Schreck (1982)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Steelhead	J	500.00	24.00	8	Increase in blood hematocrit levels (VA)	Redding & Schreck (1982)
Steelhead	J	2000.00	24.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	3000.00	24.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	500.00	24.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	2000.00	24.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	3000.00	24.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	500.00	24.00	8	Increase in blood hematocrit levels	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	5	No effect on plasma sodium concentration (VA)	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	5	No effect on plasma sodium concentration (VA)	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	5	No effect on plasma sodium concentration (VA)	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	5	No effect on plasma sodium concentration	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	5	No effect on plasma sodium concentration	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	5	No effect on plasma sodium concentration	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	5	No effect on plasma sodium concentration	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	5	No effect on plasma sodium concentration	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	5	No effect on plasma sodium concentration	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	5	No histological effect on gill tissue (VA)	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	5	No histological effect on gill tissue (VA)	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	5	No histological effect on gill tissue (VA)	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	5	No histological effect on gill tissue (KC)	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	5	No histological effect on gill tissue (KC)	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	5	No histological effect on gill tissue (KC)	Redding & Schreck (1982)
Steelhead	J	2000.00	48.00	5	No histological effect on gill tissue	Redding & Schreck (1982)
Steelhead	J	3000.00	48.00	5	No histological effect on gill tissue	Redding & Schreck (1982)
Steelhead	J	500.00	48.00	5	No histological effect on gill tissue	Redding & Schreck (1982)
Steelhead	J	500.00	3.00	5	Signs of sublethal stress (VA)	Redding & Schreck (1982)
Steelhead	J	500.00	9.00	8	Blood cell count and blood chemistry change	Redding & Schreck (1982)
Steelhead	J	500.00	3.00	5	Signs of sublethal stress (VA)	Redding & Schreck (1982)
Steelhead	J	500.00	3.00	5	Signs of sublethal stress (VA)	Redding & Schreck (1982)
Grayling (Arctic)	U	20.00	24.00	3	Fish avoided parts of the stream	Birtwell et al. (1984)
Grayling (Arctic)	U	20.00	24.00	3	Preference for clear water	Birtwell et al. (1984)
Grayling (Arctic)	U	122.00	24.00	8	Slight gill histopathologies	Birtwell et al. (1984)
Grayling (Arctic)	U	232.00	24.00	8	Decline in body condition	Birtwell et al. (1984)
Grayling (Arctic)	U	319.00	24.00	8	Decreased prey diversity and consumption (stomach content)	Birtwell et al. (1984)
Grayling (Arctic)	U	319.00	24.00	3	Downstream displacement	Birtwell et al. (1984)
Grayling (Arctic)	U	319.00	24.00	3	Avoidance of turbid water	Birtwell et al. (1984)
Grayling (Arctic)	J	100.00	24.00	0	Healthy population, all age classes	Knapp (unpublished, cited by Birwell et al. (1984))
Trout (Brown)	J	100.00	720.00	11	Population reduced	Scullion & Edwards (1980)
Trout (Brown)	J	100.00	720.00	8	Low condition factor	Scullion & Edwards (1980)
Trout (Brown)	J	110.00	720.00	8	Switched to primarily terrestrial invertebrate diet (97% diet)	Scullion & Edwards (1980)
Trout (Rainbow)	Y	30.00	480.00	10	No mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	960.00	10	0% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	960.00	10	10% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	960.00	10	12% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	960.00	11	22% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	1200.00	10	10% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	1200.00	10	20% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	1200.00	11	25% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	3600.00	10	12% mortality (control 10%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	2640.00	10	15% mortality (control 10%)	Herbert & Merkens (1961)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	Y	90.00	3000.00	13	68% mortality (control 10%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	1320.00	10	13% mortality (0% control)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	1440.00	14	90% mortality (control 5%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	1488.00	14	100% mortality (control 7%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	768.00	10	20% mortality (control 7%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	672.00	14	100% mortality (control 7%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	360.00	10	11% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	1200.00	10	10% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	2040.00	10	0% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	432.00	10	10% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	696.00	13	80% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	216.00	10	10% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	264.00	13	80% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	480.00	10	10% mortality (control 10%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	120.00	10	10% mortality (control 2%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	360.00	11	40% mortality (control 7%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	528.00	14	100% mortality (control 10%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	240.00	10	10% mortality (control 5%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	480.00	10	20% mortality (control 7%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	960.00	11	40% mortality (control 10%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	1656.00	10	0% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	264.00	10	7% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	1200.00	10	12% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	144.00	10	8% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	240.00	10	15% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	336.00	12	60% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	144.00	10	10% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	240.00	10	18% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	336.00	12	60% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	528.00	14	83% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	1440.00	10	8% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	1152.00	10	6% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	240.00	10	8% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	480.00	10	20% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	720.00	12	42% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	1968.00	12	43% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	240.00	10	10% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	480.00	11	33% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	1968.00	11	40% mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	1656.00	10	No mortality (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	720.00	10	Mortality 10% (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	720.00	10	Mortality 14% (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	720.00	10	Mortality 14% (control 0%)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	456.00	10	0-20% mortality (DE)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	456.00	10	0-15% mortality (KC)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	456.00	11	10-35% mortality (KC)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	456.00	12	25-80% mortality (DE)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	456.00	12	35-85% mortality (DE)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	456.00	12	5-80% mortality (KC)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	240.00	10	Gill structure damage, mortality	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	240.00	10	Gill structure damage, mortality	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	240.00	8	Thickened epithelium cells, fused lamellae	Herbert & Merkens (1961)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	Y	810.00	240.00	8	Thickened epithelium cells, fused lamellae	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	3600.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	90.00	3600.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	30.00	1440.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	888.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	1872.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	2136.00	8	Slight changes in gill histology (thickened epithelium cells, fused lamellae)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	2184.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	2400.00	8	Moderate changes in gill histology (thickened epithelium cells, fused lamellae)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	2424.00	8	Slight changes in gill histology (thickened epithelium cells, fused lamellae)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	2496.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	3384.00	8	Slight changes in gill histology (thickened epithelium cells, fused lamellae)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	4104.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	4704.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	5880.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	6360.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	368.00	4104.00	5	No changes in gill histology	Herbert & Merkens (1961)
Trout (Rainbow)	Y	449.00	4704.00	8	Slight changes in gill histology (thickened epithelium cells, fused lamellae)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	559.00	5880.00	8	Slight changes in gill histology (thickened epithelium cells, fused lamellae)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	592.00	6360.00	8	Slight changes in gill histology (thickened epithelium cells, fused lamellae)	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	1368.00	8	Slight fin rot - ragged edge	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	2904.00	8	Slight fin rot - tissue loss at edges	Herbert & Merkens (1961)
Trout (Rainbow)	Y	3500.00	1488.00	13	Catastrophic reduction in population size	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	504.00	10	Some fish died	Herbert & Merkens (1961)
Trout (Rainbow)	Y	270.00	3240.00	10	Surival rate reduced	Herbert & Merkens (1961)
Trout (Rainbow)	Y	810.00	504.00	8	Gills of fish that survived had thickened epithelium	Herbert & Merkens (1961)
Trout (Rainbow)	Y	553.00	672.00	10	0% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	2120.00	672.00	14	100% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	4250.00	672.00	12	50% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	7433.00	672.00	11	40% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	7433.00	24.00	10	10% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	7433.00	432.00	10	20% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	7433.00	456.00	11	30% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	7433.00	528.00	11	40% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	4250.00	552.00	10	10% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	4250.00	576.00	10	20% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	4250.00	600.00	11	30% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	4250.00	600.00	11	40% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	Y	4250.00	600.00	12	50% mortality (control 0%)	Herbert & Wakeford (1962)
Trout (Rainbow)	YY	4250.00	588.00	12	50% mortality (CS, control 0%)	Herbert & Wakeford (1962)
Salmon (Chinook)	J	165.00	720.00	9	Decreased density	Scrivener et al. (1994)
Salmon (Chinook)	J	165.00	720.00	3	Fish emigrated to lower turbidity tributary	Scrivener et al. (1994)
Salmon (Chinook)	J	152.00	720.00	3	Fish emigrated to lower turbidity tributary	Scrivener et al. (1994)
Trout (Rainbow)	U	1443.00	480.00	12	57% mortality (control 9.5%)	Campbell (1954)
Trout (Rainbow)	U	1350.00	240.00	11	25% mortality (control 9.5%)	Campbell (1954)
Trout (Rainbow)	U	1517.00	408.00	12	50% mortality (control 9.5%)	Campbell (1954)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Sockeye)	U	17560.00	96.00	12	50% mortality (LDC50) (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	17560.00	96.00	8	Hypertrophy of gill tissue (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	3143.00	96.00	4	Sublethal effects observed (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	3143.00	96.00	8	Hypertrophy and necrosis of gill tissue (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	23790.00	96.00	8	Hypertrophy and necrosis of gill tissue (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	23790.00	96.00	14	90% mortality (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	3143.00	96.00	10	0% mortality (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	9000.00	96.00	10	No mortality (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	13900.00	96.00	10	10% mortality (FSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	2100.00	96.00	10	No mortality (MFSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	6949.00	96.00	5	No effect on gills (MFSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	6949.00	96.00	10	No mortality (MFSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	9850.00	96.00	10	Gill hyperplasia, hypertrophy, epithelial separation, necrosis (MFSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	8158.00	96.00	12	50% mortality (LDC50)	Servizi & Martens (1987)
Salmon (Sockeye)	U	9850.00	96.00	13	70% mortality (MFSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	13000.00	96.00	14	90% mortality (MFSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	14500.00	96.00	14	100% mortality (MFSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	19500.00	96.00	14	100% mortality (MFSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	2688.00	96.00	10	0% mortality (MCSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	4888.00	96.00	12	50% mortality (LDC50)	Servizi & Martens (1987)
Salmon (Sockeye)	U	6991.00	96.00	12	60% mortality (MCSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	7500.00	96.00	13	90% mortality (MCSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	14000.00	96.00	14	100% mortality (MCSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	2688.00	96.00	8	Hypertrophy and necrosis of gill tissue (MCSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	6991.00	96.00	8	Hypertrophy and necrosis of gill tissue (MCSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	1465.00	96.00	10	0% mortality (CSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	3359.00	96.00	14	100% mortality (CSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	1465.00	96.00	8	Hypertrophy and necrosis of gill tissue (CSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	3359.00	96.00	8	Hypertrophy and necrosis of gill tissue (CSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	1668.00	96.00	12	50% mortality (LDC50)	Servizi & Martens (1987)
Salmon (Sockeye)	U	900.00	96.00	10	0% mortality (CSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	1100.00	96.00	10	0% mortality (CSS)	Servizi & Martens (1987)
Salmon (Sockeye)	U	17560.00	96.00	8	Sediment particles observed between gill lamellae	Servizi & Martens (1987)
Salmon (Sockeye)	U	3143.00	96.00	8	Sediment particles observed between gill lamellae	Servizi & Martens (1987)
Salmon (Sockeye)	U	23790.00	96.00	8	Sediment particles observed between gill lamellae	Servizi & Martens (1987)
Salmon (Sockeye)	U	9000.00	96.00	8	Sediment particles observed between gill lamellae	Servizi & Martens (1987)
Salmon (Sockeye)	U	13900.00	96.00	8	Sediment particles observed between gill lamellae	Servizi & Martens (1987)
Salmon (Sockeye)	U	17560.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	23790.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	9000.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	13900.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	6949.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	9850.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	8158.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	13000.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	14500.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	19500.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	4888.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	6991.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	7500.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	14000.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Sockeye)	U	1465.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	3359.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	U	1668.00	96.00	5	Minor physiological stress (surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	S	14407.00	96.00	6	Slight impairment in hypoosmoregulatory capacity	Servizi & Martens (1987)
Salmon (Sockeye)	S	14407.00	96.00	10	No mortality (control 0%)	Servizi & Martens (1987)
Salmon (Sockeye)	S	1261.00	96.00	8	Body moisture content reduced	Servizi & Martens (1987)
Salmon (Sockeye)	S	14407.00	96.00	8	Body moisture content reduced	Servizi & Martens (1987)
Salmon (Sockeye)	S	7447.00	96.00	8	Plasma chloride levels increased slightly	Servizi & Martens (1987)
Salmon (Sockeye)	S	14407.00	96.00	5	Minor physiological stress (respiratory distress, surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	S	7447.00	96.00	5	Minor physiological stress (respiratory distress, surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	S	2678.00	96.00	5	Minor physiological stress (respiratory distress, surfacing behavior)	Servizi & Martens (1987)
Salmon (Sockeye)	S	1261.00	96.00	0	No effect	Servizi & Martens (1987)
Salmon (Sockeye)	S	1261.00	96.00	8	Fish slightly paler than controls	Servizi & Martens (1987)
Salmon (Sockeye)	S	14407.00	96.00	8	Fish slightly paler than controls	Servizi & Martens (1987)
Salmon (Sockeye)	S	7447.00	96.00	8	Fish slightly paler than controls	Servizi & Martens (1987)
Salmon (Sockeye)	S	2678.00	96.00	8	Fish slightly paler than controls	Servizi & Martens (1987)
Salmon (Sockeye)	S	1261.00	96.00	5	No effect on hematocrit levels	Servizi & Martens (1987)
Salmon (Sockeye)	S	14407.00	96.00	5	No effect on hematocrit levels	Servizi & Martens (1987)
Salmon (Sockeye)	S	7447.00	96.00	5	No effect on hematocrit levels	Servizi & Martens (1987)
Salmon (Sockeye)	S	2678.00	96.00	5	No effect on hematocrit levels	Servizi & Martens (1987)
Salmon (Sockeye)	S	1261.00	96.00	5	No histological effects on gills (trauma, excess mucus or trapped particles)	Servizi & Martens (1987)
Salmon (Sockeye)	S	14407.00	96.00	5	No histological effects on gills (trauma, excess mucus or trapped particles)	Servizi & Martens (1987)
Salmon (Sockeye)	S	7447.00	96.00	5	No histological effects on gills (trauma, excess mucus or trapped particles)	Servizi & Martens (1987)
Salmon (Sockeye)	S	2678.00	96.00	5	No histological effects on gills (trauma, excess mucus or trapped particles)	Servizi & Martens (1987)
Salmon (Coho)	U	8000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	8200.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	27000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	22700.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	9080.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	7000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	8100.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	1300.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	10900.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	11000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	12500.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	15500.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	15300.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	13000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	9000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	7500.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	1900.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	2100.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	5500.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	9000.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	6900.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	5600.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	U	3700.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	2500.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	3000.00	96.00	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	21000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	19500.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	26000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	20000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	20500.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	24000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	20500.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	23000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	26000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	21000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	23000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	27000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	20000.00	96.00	12	50% mortality (LC50, control 0%)	Servizi & Martens (1991)
Salmon (Coho)	U	240.00	96.00	5	Rate of coughing increased (FSS)	Servizi & Martens (1992)
Salmon (Coho)	U	20.00	0.05	1	Cough frequency not increased	Servizi & Martens (1992)
Salmon (Coho)	U	20.00	96.00	5	No impact on respiratory function	Servizi & Martens (1992)
Salmon (Coho)	U	7000.00	96.00	8	Avoidance behavior	Servizi & Martens (1992)
Salmon (Coho)	U	20.00	96.00	1	No effect of rate of coughing	Servizi & Martens (1992)
Salmon (Coho)	U	240.00	96.00	6	Rate of coughing increased significantly (FSS)	Servizi & Martens (1992)
Salmon (Coho)	U	2460.00	96.00	6	Rate of coughing increased significantly (FSS)	Servizi & Martens (1992)
Salmon (Coho)	U	6780.00	96.00	6	Rate of coughing increased significantly (FSS)	Servizi & Martens (1992)
Salmon (Coho)	U	530.00	96.00	8	Elevated blood glucose levels	Servizi & Martens (1992)
Salmon (Coho)	U	1360.00	96.00	8	Elevated blood glucose levels	Servizi & Martens (1992)
Salmon (Coho)	U	2550.00	96.00	4	Low levels of avoidance behavior	Servizi & Martens (1992)
Salmon (Coho)	U	3450.00	96.00	8	Strong avoidance behavior	Servizi & Martens (1992)
Salmon (Coho)	U	7000.00	96.00	8	Strong avoidance behavior	Servizi & Martens (1992)
Salmon (Coho)	U	8500.00	96.00	8	Strong avoidance behavior	Servizi & Martens (1992)
Salmon (Coho)	U	1530.00	96.00	6	Elevated blood glucose levels	Servizi & Martens (1992)
Salmon (Coho)	U	1630.00	96.00	6	Elevated blood glucose levels	Servizi & Martens (1992)
Salmon (Coho)	U	530.00	96.00	6	Blood glucose levels increased	Servizi & Martens (1992)
Salmon (Coho)	U	550.00	96.00	6	Elevated blood glucose levels	Servizi & Martens (1992)
Salmon (Coho)	U	460.00	96.00	6	Elevated blood glucose levels	Servizi & Martens (1992)
Salmon (Coho)	U	3000.00	48.00	8	High level of sublethal stress; avoidance	Servizi & Martens (1992)
Salmon (Coho)	U	300.00	0.17	3	Avoidance behavior within minutes	Servizi & Martens (1992)
Salmon (Coho)	U	2460.00	0.05	5	Coughing behavior manifests within minutes	Servizi & Martens (1992)
Salmon (Coho)	U	2460.00	1.00	6	Coughing frequency greatly increased	Servizi & Martens (1992)
Salmon (Coho)	U	2460.00	24.00	8	Fatigue of the cough reflex	Servizi & Martens (1992)
Salmon (Coho)	U	240.00	24.00	6	Cough frequency increased more than 5-fold	Servizi & Martens (1992)
Menhaden (Atlantic)	J	1540.00	24.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Menhaden (Atlantic)	J	2470.00	24.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Menhaden (Atlantic)	J	3960.00	24.00	14	90% mortality (LC90, FE)	Sherk et al. (1975)
Salmon (Coho)	J	835.00	4.00	0	No significant change in avoidance behavior	Noggle (1978)
Salmon (Coho)	J	703.00	8.00	0	No significant change in avoidance behavior	Noggle (1978)
Salmon (Coho)	J	633.00	6.50	0	No significant change in avoidance behavior	Noggle (1978)
Salmon (Coho)	J	1110.00	6.00	0	No significant change in avoidance behavior	Noggle (1978)
Trout (Steelhead)	J	1558.00	5.50	0	No significant change in avoidance behavior	Noggle (1978)
Trout (Steelhead)	J	382.00	10.00	0	No significant change in avoidance behavior	Noggle (1978)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	J	865.00	6.00	0	No significant change in avoidance behavior	Noggle (1978)
Salmon (Coho)	J	1888.00	5.00	0	No significant change in avoidance behavior	Noggle (1978)
Salmon (Coho)	J	192.00	7.00	0	No significant change in avoidance behavior	Noggle (1978)
Salmon (Coho)	J	197.00	3.00	0	No significant change in avoidance behavior	Noggle (1978)
Salmon (Coho)	J	2500.00	1.00	3	Fish favored turbid water	Noggle (1978)
Salmon (Coho)	J	8000.00	1.00	3	Avoidance behavior	Noggle (1978)
Salmon (Coho)	J	8000.00	1.00	5	Coughing rate increased	Noggle (1978)
Salmon (Coho)	J	984.00	4.00	6	Feeding ceased	Noggle (1978)
Salmon (Coho)	J	404.00	4.00	6	Feeding ceased	Noggle (1978)
Salmon (Coho)	J	25.00	1.00	4	Feeding rate decreased	Noggle (1978)
Salmon (Coho)	J	116.00	4.00	4	Feeding rate decreased to 55% of maximum	Noggle (1978)
Salmon (Coho)	J	256.00	4.00	4	Feeding rate decreased to 9% of maximum	Noggle (1978)
Salmon (Coho)	J	300.00	4.00	6	Feeding ceased	Noggle (1978)
Salmon (Coho)	J	4420.00	96.00	12	Mortality rate 50%	Noggle (1978)
Salmon (Chinook)	J	2586.00	96.00	12	Mortality rate 50%	Noggle (1978)
Salmon (Coho)	J	1927.00	96.00	12	Mortality rate 50%	Noggle (1978)
Salmon (Coho)	J	1198.00	96.00	12	Mortality rate 50%	Noggle (1978)
Salmon (Coho)	J	1500.00	96.00	12	Mortality rate 50%	Noggle (1978)
Salmon (Coho)	J	15000.00	96.00	12	Mortality rate 50%	Noggle (1978)
Salmon (Coho)	J	35000.00	96.00	12	Mortality rate 50%	Noggle (1978)
Trout (Steelhead)	J	10233.00	96.00	12	Mortality rate 50%	Noggle (1978)
Salmon (Coho)	J	3500.00	96.00	8	Hematocrit values decreased (41.3%, control 42.0%)	Noggle (1978)
Salmon (Coho)	J	12250.00	96.00	8	Hematocrit values increased (42.7%, control 42.0%)	Noggle (1978)
Salmon (Coho)	J	22750.00	96.00	8	Hematocrit values increased (45.0%, control 42.0%)	Noggle (1978)
Salmon (Coho)	J	31500.00	96.00	8	Hematocrit values increased (43.0%, control 42.0%)	Noggle (1978)
Salmon (Coho)	J	3500.00	96.00	8	Plasma glucose decreased (71.8 mg/100mL, control 77.6 mg/100mL)	Noggle (1978)
Salmon (Coho)	J	12250.00	96.00	8	Plasma glucose increased (78.7 mg/100mL, control 77.6 mg/100mL)	Noggle (1978)
Salmon (Coho)	J	22750.00	96.00	8	Plasma glucose increased (97.0 mg/100mL, control 77.6 mg/100mL)	Noggle (1978)
Salmon (Coho)	J	31500.00	96.00	8	Plasma glucose increased (99.9 mg/100mL, control 77.6 mg/100mL)	Noggle (1978)
Trout (Steelhead)	J	12936.00	96.00	8	Minor gill damage	Noggle (1978)
Trout (Steelhead)	J	8430.00	96.00	8	Major gill damage	Noggle (1978)
Salmon (Chinook)	J	4266.00	72.00	8	Major gill damage	Noggle (1978)
Salmon (Chinook)	J	4266.00	72.00	14	Fish died	Noggle (1978)
Salmon (Chinook)	J	4266.00	72.00	14	Mortality rate 92%	Noggle (1978)
Salmon (Chinook)	J	4266.00	96.00	8	Minor gill damage	Noggle (1978)
Salmon (Coho)	J	1547.00	46.00	8	Gill damage	Noggle (1978)
Salmon (Coho)	J	1547.00	46.00	14	Fish died	Noggle (1978)
Salmon (Coho)	J	5346.00	96.00	8	Minor gill damage	Noggle (1978)
Trout (Steelhead)	J	12936.00	96.00	5	No visible gill damage	Noggle (1978)
Trout (Steelhead)	J	8430.00	96.00	8	Branchial necrosis, branchial aneurysm, branchial demorrhage present	Noggle (1978)
Salmon (Chinook)	J	4266.00	72.00	8	Branchial necrosis	Noggle (1978)
Salmon (Chinook)	J	4266.00	96.00	5	No visible gill damage	Noggle (1978)
Salmon (Coho)	J	1547.00	46.00	8	Diffuse branchial edema present	Noggle (1978)
Salmon (Coho)	J	1547.00	46.00	8	Focal lamellar fused	Noggle (1978)
Salmon (Coho)	J	5346.00	96.00	5	No visible gill damage	Noggle (1978)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Grayling (Arctic)	J	86.00	0.67	3	78% of fish avoid turbid water (NTU > 20)	Scannell (1988)
Grayling (Arctic)	J	25.00	96.00	10	Mortality rate 0.6%	Scannell (1988)
Grayling (Arctic)	J	500.00	96.00	10	No mortality	Scannell (1988)
Grayling (Arctic)	J	375.00	96.00	10	Mortality rate 0.3%	Scannell (1988)
Grayling (Arctic)	J	5.00	0.42	0	No behavioral effects	Scannell (1988)
Grayling (Arctic)	J	23.00	0.42	3	38% preferred clear water	Scannell (1988)
Grayling (Arctic)	J	69.00	0.42	3	88% preferred clear water	Scannell (1988)
Grayling (Arctic)	J	115.00	0.42	3	78% preferred clear water	Scannell (1988)
Grayling (Arctic)	J	70.00	0.42	3	90% preferred clear water	Scannell (1988)
Grayling (Arctic)	J	207.00	0.42	3	80% preferred clear water	Scannell (1988)
Grayling (Arctic)	J	46.00	0.42	5	Gill flaring and displayed disturbance behavior	Scannell (1988)
Grayling (Arctic)	J	219.00	0.08	8	Significant reduction in reactive distance	Scannell (1988)
Grayling (Arctic)	J	7.00	0.08	4	11.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	4.00	0.08	4	23.6% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	8.00	0.08	4	23.8% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	8.00	0.08	4	36.3% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	5.00	0.08	4	41.7% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	7.00	0.08	4	47.8% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	3.00	0.08	4	48.9% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	5.00	0.08	4	48.9% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	18.00	0.08	4	49.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	24.00	0.08	4	49.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	2.00	0.08	5	62.1% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	8.00	0.08	5	62.1% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	19.00	0.08	5	61.7% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	25.00	0.08	5	61.7% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	58.00	0.08	5	61.9% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	88.00	0.08	5	61.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	96.00	0.08	5	62.2% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	121.00	0.08	5	61.7% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	96.00	0.08	4	49.6% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	4.00	0.08	5	74.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	27.00	0.08	5	74.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	56.00	0.08	5	74.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	68.00	0.08	5	74.6% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	88.00	0.08	5	74.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	120.00	0.08	5	75.0% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	27.00	0.08	5	87.2% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	50.00	0.08	5	87.2% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	56.00	0.08	5	87.2% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	69.00	0.08	5	86.9% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	80.00	0.08	5	87.5% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	88.00	0.08	5	86.9% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	121.00	0.08	5	87.1% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	143.00	0.08	5	87.0% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	149.00	0.08	5	87.2% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	169.00	0.08	5	87.5% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	183.00	0.08	5	87.2% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	78.00	0.08	5	93.4% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	149.00	0.08	5	93.8% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	79.00	0.08	6	100% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	143.00	0.08	6	100% decrease in reactive distance	Scannell (1988)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Grayling (Arctic)	J	150.00	0.08	6	100% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	168.00	0.08	6	100% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	184.00	0.08	6	100% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	219.00	0.08	6	100% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	32.00	0.08	4	27.23% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	33.00	0.08	4	45.54% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	32.00	0.08	5	54.49% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	60.00	0.08	5	63.21% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	60.00	0.08	5	72.57% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	60.00	0.08	5	90.88% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	84.00	0.08	5	78.20% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	161.00	0.08	5	82.32% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	184.00	0.08	5	91.43% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	202.00	0.08	5	91.43% decrease in reactive distance	Scannell (1988)
Grayling (Arctic)	J	0.26	0.08	6	Significantly reduced reactive distance	Scannell (1988)
Steelhead	F	747.00	336.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	1247.00	336.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	376.00	336.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	1022.00	336.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	1433.00	336.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	264.00	336.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	393.00	504.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	348.00	360.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	230.00	456.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	275.00	408.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	197.00	456.00	9	Growth rate reduced (FC)	Sigler et al. (1984)
Steelhead	F	262.00	336.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Steelhead	F	201.00	456.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Steelhead	F	269.00	408.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Steelhead	F	225.00	456.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Salmon (Coho)	F	497.00	312.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Salmon (Coho)	F	244.00	336.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Salmon (Coho)	F	102.00	336.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Salmon (Coho)	F	157.00	264.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Salmon (Coho)	F	108.00	360.00	9	Growth rate reduced (BC)	Sigler et al. (1984)
Grayling (Arctic)	YY	124.00	144.00	4	Food intake limited	Simmons (1982)
Grayling (Arctic)	YY	3273.00	144.00	4	Food intake severely limited	Simmons (1982)
Grayling (Arctic)	YY	3273.00	144.00	8	Mucus and sediment accumulated in gill lamellae	Simmons (1982)
Grayling (Arctic)	YY	3273.00	144.00	8	Fish displayed many signs of poor condition	Simmons (1982)
Grayling (Arctic)	YY	124.00	144.00	0	No visible abnormalities	Simmons (1982)
Grayling (Arctic)	YY	1388.00	96.00	8	Hyperplasia and hypertrohpy of gill tissue	Simmons (1982)
Grayling (Arctic)	YY	1250.00	48.00	8	Moderate damage to gill tissue	Simmons (1982)
Grayling (Arctic)	YY	170.00	96.00	0	No damage to gill tissues	Simmons (1982)
Grayling (Arctic)	YY	115.00	96.00	5	No significant change in leucocrit value	Simmons (1982)
Grayling (Arctic)	YY	1158.00	96.00	5	No significant change in leucocrit value	Simmons (1982)
Grayling (Arctic)	YY	132.00	312.00	5	No difference in hematocrit values	Simmons (1982)
Grayling (Arctic)	YY	200.00	312.00	5	No difference in hematocrit values	Simmons (1982)
Grayling (Arctic)	YY	1205.00	48.00	8	Leucocrit values decreased	Simmons (1982)
Grayling (Arctic)	YY	1158.00	96.00	8	Hematocrit values increased	Simmons (1982)
Grayling (Arctic)	YY	130.00	48.00	0	No significant change in oxygen equilibrium loss	Simmons (1982)
Grayling (Arctic)	YY	2917.00	48.00	0	No significant change in oxygen equilibrium loss	Simmons (1982)
Grayling (Arctic)	YY	130.00	96.00	0	No significant change in oxygen equilibrium loss	Simmons (1982)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Grayling (Arctic)	YY	2917.00	96.00	0	No significant change in oxygen equilibrium loss	Simmons (1982)
Trout (Rainbow)	F	73.00	1800.00	0	Growth rate increased	Slaney et al. (1977a)
Trout (Rainbow)	F	73.00	1800.00	0	No effect on growth	Slaney et al. (1977a)
Trout (Rainbow)	F	73.00	1800.00	0	Mortality decreased	Slaney et al. (1977a)
Bluegill	J	30.00	1.00	4	Reduced capacity to locate prey (NTU)	Vinyard & O'Brien (1976)
Bluegill	J	20.00	1.00	4	Reduced capacity to locate prey (NTU)	Vinyard & O'Brien (1976)
Bluegill	J	10.00	1.00	4	Reduced capacity to locate prey (NTU)	Vinyard & O'Brien (1976)
Bluegill	J	6.00	1.00	4	Reduced capacity to locate prey (NTU)	Vinyard & O'Brien (1976)
Bluegill	J	30.00	1.00	4	Reduced capacity to locate prey (NTU)	Vinyard & O'Brien (1976)
Bluegill	J	20.00	1.00	4	Reduced capacity to locate prey (NTU)	Vinyard & O'Brien (1976)
Bluegill	J	10.00	1.00	4	Reduced capacity to locate prey (NTU)	Vinyard & O'Brien (1976)
Bluegill	J	6.00	1.00	4	Reduced capacity to locate prey (NTU)	Vinyard & O'Brien (1976)
Bullhead (Black)	J	135000.00	0.02	3	Fish swam to surface	Wallen (1951)
Bullhead (Black)	J	155000.00	0.02	3	Fish swam to surface often	Wallen (1951)
Bullhead (Black)	J	200000.00	0.02	8	Fish swam to surfaced, floated on side	Wallen (1951)
Bullhead (Black)	J	200000.00	0.02	13	Mortality rate 72.4%	Wallen (1951)
Bullhead (Black)	J	250000.00	0.02	14	Mortality rate 100% on second exposure	Wallen (1951)
Bullhead (Black)	J	200000.00	0.02	3	Fish recovered completely in clear water	Wallen (1951)
Bullhead (Black)	J	185000.00	0.02	14	Mortaliaty rate 100% sediment-clogged gills	Wallen (1951)
Bullhead (Black)	J	185000.00	0.02	8	Fish were emaciated and sediment present in gills	Wallen (1951)
Bullhead (Black)	J	222000.00	408.00	14	Mortality rate 100%	Wallen (1951)
Trout (Brook)	FF	12.00	5880.00	9	Growth rate declined (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	5880.00	9	Growth rates reduced (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	5880.00	9	Growth rates declined (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	8.00	5880.00	0	Growth rate increased 4.5% (179.7mm, control 172mm, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	13.00	5880.00	9	Growth rate decreased 6.4% (161mm, control 172mm, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	23.00	5880.00	9	Growth rate decreased 19% (139mm, control 172mm, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	5880.00	9	Growth rate decreased 45% (94.1mm, control 172mm, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	8.00	5880.00	0	Weight increased by 0.4% (97.3g, control 96.9g, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	13.00	5880.00	9	Weight decreased by 25% (72.4g, control 96.9g, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	23.00	5880.00	9	Weight decreased by 55% (43.2g, control 96.9g, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	5880.00	9	Weight decreased by 84% (15.7g, control 96.9g, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	8.00	5880.00	8	Condition factors decreased 7% (1.62, control 17.4, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	13.00	5880.00	0	Condition factors increased 2% (1.78, control 1.74, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	23.00	5880.00	8	Condition factors decreased 2% (1.7, control 1.74, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	5880.00	0	Condition factors increased 7% (1.85, control 1.74, LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	6.00	336.00	9	Test fish weighed 12.50% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	6.00	1008.00	9	Test fish weighed 7.69% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	6.00	1512.00	9	Test fish weighed 5.88% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	6.00	2352.00	0	Test fish weighed 17.24% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	6.00	3192.00	0	Test fish weighed 7.476% more than controls (LNFH)	Sykora et al. (1972)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Brook)	FF	6.00	3864.00	0	Test fish weighed 9.134% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	6.00	4536.00	0	Test fish weighed 1.758% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	6.00	5208.00	0	Test fish weighed 6.060% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	6.00	5880.00	0	Test fish weighed 0.412% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	336.00	9	Test fish weighed 12.5% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	1008.00	9	Test fish weighed 7.692% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	1512.00	0	Test fish weighed 5.882% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	2352.00	0	Test fish weighed 13.79% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	3192.00	0	Test fish weighed 0.934% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	3864.00	0	Test fish weighed 9.134% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	4536.00	9	Test fish weighed 8.040% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	5208.00	9	Test fish weighed 19.29% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	12.00	5880.00	9	Test fish weighed 25.28% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	336.00	9	Test fish weighed 12.5% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	1008.00	9	Test fish weighed 15.38% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	1512.00	0	Test fish weighed 35.29% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	2352.00	0	Test fish weighed 44.82% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	3192.00	0	Test fish weighed 1.869% more than controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	3864.00	9	Test fish weighed 17.78% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	4536.00	9	Test fish weighed 33.66% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	5208.00	9	Test fish weighed 38.75% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	25.00	5880.00	9	Test fish weighed 55.41% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	336.00	9	Test fish weighed 25% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	1008.00	9	Test fish weighed 23.07% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	1512.00	9	Test fish weighed 23.52% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	2352.00	9	Test fish weighed 17.24% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	3192.00	9	Test fish weighed 54.20% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	3864.00	9	Test fish weighed 65.38% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	4536.00	9	Test fish weighed 75.87% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	5208.00	9	Test fish weighed 81.49% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	5880.00	9	Test fish weighed 83.79% of controls (LNFH)	Sykora et al. (1972)
Trout (Brook)	FF	50.00	5880.00	9	Test fish weighed 16% of controls (LNFH)	Sykora et al. (1972)
White (Round)	J	15.00	0.02	3	Fish significantly preferred turbid water (NTU)	Suchanek et al. (1984b)
White (Round)	F	30.00	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Dolly Varden	J	4.00	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Sucker (Longnose)	J	20.00	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Grayling (Arctic)	J	30.00	0.02	3	Fish avoided turbid water (avoidance behavior, NTU)	Suchanek et al. (1984b)
Salmon (Coho)	PS	1217.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	509.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Chinook)	S	488.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	647.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	2174.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	S	3775.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	993.00	96.00	12	Mortality rate 50%	Stober et al. (1981)
Salmon (Coho)	S	1249.00	96.00	12	Mortality rate 50%	Stober et al. (1981)
Salmon (Coho)	S	1686.00	96.00	12	Mortality rate 50%	Stober et al. (1981)
Salmon (Coho)	S	2967.00	96.00	12	Mortality rate 50%	Stober et al. (1981)
Salmon (Coho)	S	757.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	2019.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	4515.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Chinook)	S	2565.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Chinook)	S	4349.00	96.00	12	Mortality rate 50%	Stober et al. (1981)
Salmon (Chinook)	S	3109.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Chinook)	S	943.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	PS	21528.00	24.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	PS	17989.00	48.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	PS	17989.00	72.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	PS	17418.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	PS	18672.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	28184.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	29580.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	S	2118.00	96.00	12	Mortality rate 50%	Stober et al. (1981)
Salmon (Chinook)	S	16558.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Chinook)	S	19364.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Chinook)	S	11000.00	96.00	12	Mortality rate 50% (VA)	Stober et al. (1981)
Salmon (Coho)	Y	629.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	Y	981.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	Y	1200.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	Y	1200.00	96.00	0	No gill damage	Stober et al. (1981)
Salmon (Coho)	Y	1200.00	96.00	0	No gill damage	Stober et al. (1981)
Salmon (Coho)	Y	88.00	96.00	0	No gill damage	Stober et al. (1981)
Salmon (Coho)	Y	1539.00	96.00	0	No gill damage	Stober et al. (1981)
Salmon (Coho)	Y	10588.00	0.50	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	Y	10588.00	0.50	8	Minor gill damage (inflammation, sediment present in gill lamelli)	Stober et al. (1981)
Salmon (Coho)	Y	1539.00	96.00	0	No gill damage	Stober et al. (1981)
Salmon (Coho)	Y	22.00	96.00	0	No gill damage	Stober et al. (1981)
Salmon (Coho)	Y	15.00	96.00	0	No gill damage	Stober et al. (1981)
Salmon (Coho)	S	181.00	24.00	8	Minor gill damage (epithelial hypertophy, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	181.00	72.00	8	Minor gill damage (epithelial hypertophy, vascular aneurysms)	Stober et al. (1981)
Salmon (Coho)	S	181.00	96.00	8	Minor gill damage (epithelial hypertophy, vascular aneurysms, parasites present, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	181.00	96.00	8	Minor gill damage (epithelial hypertophy, parasites present)	Stober et al. (1981)
Salmon (Coho)	S	467.00	24.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	105.00	96.00	8	Minor gill damage (epithelial hypertophy, parasites present, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	337.00	72.00	8	Minor gill damage (epithelial hypertophy, epitethelial degeneration, edema presence)	Stober et al. (1981)
Salmon (Coho)	S	273.00	24.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	273.00	48.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	273.00	72.00	8	Minor gill damage (parasites present, inflammation)	Stober et al. (1981)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	S	273.00	96.00	8	Minor gill damage (epithelial hypertophy, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	120.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	203.00	0.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	203.00	72.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	400.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	606.00	96.00	8	Minor gill damage (epithelial hypertophy, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	618.00	96.00	8	Minor gill damage (epithelial hypertophy, vascular aneurysms)	Stober et al. (1981)
Salmon (Coho)	S	278.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	263.00	96.00	8	Minor gill damage (epithelial hypertophy, parasites present, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	85.00	96.00	8	Minor gill damage (epithelial hypertophy, edema presence, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	98.00	96.00	8	Minor gill damage (epithelial hypertophy, epitethelial degeneration)	Stober et al. (1981)
Salmon (Coho)	S	110.00	0.00	8	Minor gill damage (epithelial hypertophy, parasites present, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	110.00	96.00	8	Minor gill damage (epithelial hypertophy, vascular aneurysms, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	42.00	72.00	8	Minor gill damage (epithelial hypertophy, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	9.00	0.00	8	Minor gill damage (epithelial hypertophy, parasites present, vascular aneurysms, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	9.00	72.00	8	Minor gill damage (epithelial hypertophy, vascular aneurysms)	Stober et al. (1981)
Salmon (Coho)	S	9.00	96.00	8	Minor gill damage (epithelial hypertophy, inflammation)	Stober et al. (1981)
Salmon (Coho)	S	36.00	96.00	8	Minor gill damage (epithelial hypertophy, vascular aneurysms, inflamation)	Stober et al. (1981)
Salmon (Chinook)	S	181.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Chinook)	S	181.00	96.00	8	Minor gill damage (epithelial hypertophy, parasites present)	Stober et al. (1981)
Salmon (Chinook)	S	181.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Chinook)	S	110.00	0.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Chinook)	S	110.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Chinook)	S	110.00	96.00	8	Minor gill damage (epithelial hypertophy, parasites present)	Stober et al. (1981)
Salmon (Chinook)	S	5.00	0.00	8	Minor gill damage (epithelial hypertophy, parasites present)	Stober et al. (1981)
Salmon (Chinook)	S	5.00	0.00	8	Minor gill damage (epithelial hypertophy, parasites present)	Stober et al. (1981)
Salmon (Chinook)	S	348.00	96.00	0	No gill damage	Stober et al. (1981)
Salmon (Chinook)	S	36.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Chinook)	S	23.00	0.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Chinook)	S	23.00	96.00	8	Minor gill damage (epithelial hypertophy)	Stober et al. (1981)
Salmon (Coho)	S	119499.00	96.00	8	Gill damage occurred	Stober et al. (1981)
Salmon (Coho)	S	40084.00	96.00	8	Gill damage occurred	Stober et al. (1981)
Salmon (Coho)	S	647.00	96.00	10	No mortality	Stober et al. (1981)
Salmon (Coho)	S	2174.00	96.00	10	No mortality	Stober et al. (1981)
Salmon (Coho)	S	3775.00	96.00	10	No mortality	Stober et al. (1981)
Salmon (Coho)	S	757.00	96.00	10	No mortality	Stober et al. (1981)
Salmon (Coho)	S	2019.00	96.00	10	No mortality	Stober et al. (1981)
Salmon (Coho)	S	4515.00	96.00	10	No mortality	Stober et al. (1981)
Salmon (Coho)	S	1686.00	96.00	12	Mortality rate 40%	Stober et al. (1981)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Chinook)	S	2565.00	96.00	14	Mortality rate 94.1%	Stober et al. (1981)
Salmon (Chinook)	S	4349.00	96.00	13	Mortality rate 75%	Stober et al. (1981)
Salmon (Chinook)	S	3109.00	96.00	14	Mortality rate 84.6%	Stober et al. (1981)
Salmon (Chinook)	S	4349.00	96.00	10	Mortality rate 7.2%	Stober et al. (1981)
Salmon (Coho)	S	1686.00	96.00	11	Mortality rate 22%	Stober et al. (1981)
Salmon (Coho)	S	993.00	96.00	8	Gill inflamation present	Stober et al. (1981)
Salmon (Chinook)	S	2565.00	96.00	11	Mortality rate 24%	Stober et al. (1981)
Salmon (Chinook)	S	3109.00	96.00	10	Mortality rate 8.0%	Stober et al. (1981)
Salmon (Chinook)	S	943.00	96.00	10	Mortality rate 3.4%	Stober et al. (1981)
Salmon (Chinook)	S	2565.00	96.00	6	Impaired feeding	Stober et al. (1981)
Salmon (Chinook)	S	943.00	96.00	8	Tolerance to stress reduced (VA)	Stober et al. (1981)
Smelt (Rainbow)	U	3.00	168.00	3	No change in water preference	Swenson (1978)
Trout (Lake)	J	2.00	0.50	3	Fish avoided turbid areas	Swenson (1978)
Trout (Lake)	J	2.00	1.50	3	Fish avoided turbid areas	Swenson (1978)
Trout (Lake)	J	7.00	4.50	3	Fish avoided turbid areas	Swenson (1978)
Trout (Lake)	J	14.00	2.50	3	Fish avoided turbid areas	Swenson (1978)
Trout (Rainbow)	J	30.00	1656.00	10	No mortality	Herbert & Merkens (1961)
Trout (Rainbow)	J	90.00	1656.00	10	Mortality rate 11%	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	1656.00	10	Mortality rate 13%	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	1656.00	10	Mortality rate 14%	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	3864.00	10	Mortality rate 13%	Herbert & Merkens (1961)
Trout (Rainbow)	J	90.00	3888.00	12	Mortality rate 57%	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	1656.00	14	Mortality rate 98%	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	1536.00	14	Mortality rate 99%	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	2040.00	10	No mortality	Herbert & Merkens (1961)
Trout (Rainbow)	J	90.00	2040.00	10	Mortality rate 10%	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	840.00	13	Mortality rate 75%	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	1728.00	13	Mortality rate 77%	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	960.00	10	Mortality rate 10%	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	504.00	12	Mortality rate 44%	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	960.00	14	Mortality rate 100%	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	1656.00	10	No mortality	Herbert & Merkens (1961)
Trout (Rainbow)	J	90.00	1656.00	11	Mortality rate 21%	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	1656.00	13	Mortality rate 61%	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	1656.00	14	Mortality rate 87%	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	4440.00	10	Mortality rate 7%	Herbert & Merkens (1961)
Trout (Rainbow)	J	90.00	4440.00	10	Mortality rate 12%	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	2472.00	12	Mortality rate 44%	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	4440.00	13	Mortality rate 50%	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	960.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	504.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	960.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	1656.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	90.00	1656.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	1656.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	1656.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	4440.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	90.00	4440.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	2472.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	4440.00	0	No significant difference in growth rates	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	840.00	8	Gill epithelium cells thickened, lamellae fused	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	1656.00	8	Gill epithelium cells thickened, lamellae fused	Herbert & Merkens (1961)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	J	270.00	840.00	8	Gill epithelium cells thickened, lamellae fused	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	1728.00	8	Gill epithelium cells thickened, lamellae fused	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	1656.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	3600.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	90.00	3600.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	30.00	1440.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	888.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	1872.00	8	Gill health slightly affected	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	2136.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	2184.00	8	Gill tissue damaged	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	2400.00	8	Gill health slightly affected	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	2424.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	2496.00	8	Gill health slightly affected	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	3384.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	3600.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	4104.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	4704.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	5880.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	6360.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	4104.00	0	No effect on gill health	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	4704.00	8	Gill health slightly affected	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	5880.00	8	Gill health slightly affected	Herbert & Merkens (1961)
Trout (Rainbow)	J	810.00	6360.00	8	Gill health slightly affected	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	1368.00	8	Mild fin-rot present	Herbert & Merkens (1961)
Trout (Rainbow)	J	270.00	2904.00	8	Moderate fin-rot present	Herbert & Merkens (1961)
Banded Kokopu	J	20.00	0.16	3	23% of fish avoided turbid chamber (control 80%)	Baker (2003)
Banded Kokopu	J	20.00	0.16	3	34% of fish avoided turbid/odored water (control 23%)	Baker (2003)
Banded Kokopu	J	29.00	0.16	3	34% of fish avoided turbid/odored water (control 23%)	Baker (2003)
Banded Kokopu	J	41.00	0.16	3	70% of fish avoided turbid/odored water (control 23%)	Baker (2003)
Smelt (Rainbow)	J	10.00	0.50	1	Alarm reaction	Chiasson (1993)
Smelt (Rainbow)	J	20.00	0.50	1	Alarm reaction	Chiasson (1993)
Smelt (Rainbow)	J	40.00	0.50	1	Alarm reaction	Chiasson (1993)
Smelt (Rainbow)	J	10.00	1.50	1	Alarm reaction on third exposure	Chiasson (1993)
Smelt (Rainbow)	J	40.00	1.00	0	No behavioral effects	Chiasson (1993)
Trout (Brown)	YY	4700.00	305.00	13	77% population reduction	Crosa et al. (2010)
Trout (Brown)	J	4700.00	305.00	13	70% population reduction	Crosa et al. (2010)
Trout (Brown)	F	6000.00	4.72	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	10700.00	3.52	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	15700.00	2.53	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	5700.00	17.00	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	10400.00	12.00	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	16300.00	7.05	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	6000.00	32.00	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	10900.00	11.00	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	15800.00	7.93	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	6000.00	2.88	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	10700.00	2.42	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	15700.00	2.02	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	5700.00	10.00	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	10400.00	7.43	11	Mortality rate 20%	Garric et al. (1990)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Brown)	F	16300.00	3.12	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	6000.00	15.00	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	10900.00	6.03	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	15800.00	5.22	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	6000.00	2.88	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	10700.00	1.95	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	15700.00	1.77	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	5700.00	8.02	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	10400.00	5.77	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	16300.00	1.93	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	6000.00	9.43	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	10900.00	4.30	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	15800.00	4.08	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	7300.00	12.00	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	7300.00	8.83	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	7300.00	7.47	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	10300.00	6.06	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	10300.00	4.60	11	Mortatlity rate 20%	Garric et al. (1990)
Trout (Brown)	F	10300.00	3.92	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	11000.00	0.30	12	Mortality rate 50%	Garric et al. (1990)
Trout (Brown)	F	11000.00	0.20	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	11000.00	0.16	10	Mortality rate 10%	Garric et al. (1990)
Trout (Brown)	F	19000.00	48.00	11	Mortality rate 24%	Garric et al. (1990)
Trout (Brown)	F	19000.00	48.00	11	Mortality rate 20%	Garric et al. (1990)
Trout (Brown)	F	33000.00	48.00	14	Mortality rate >80%	Garric et al. (1990)
Trout (Brown)	F	33000.00	48.00	14	Mortality rate >80%	Garric et al. (1990)
Perch (European)	J	10.00	3.00	0	No behavioral effects (NTU)	Granqvist & Mattila (2004)
Perch (European)	J	20.00	3.00	0	No behavioral effects (NTU)	Granqvist & Mattila (2004)
Perch (European)	J	30.00	3.00	0	No behavioral effects (NTU)	Granqvist & Mattila (2004)
Perch (European)	J	10.00	1.50	4	3% decrease in prey consumption (NTU)	Granqvist & Mattila (2004)
Perch (European)	J	20.00	1.50	4	27% decrease in prey consumption (NTU)	Granqvist & Mattila (2004)
Perch (European)	J	30.00	1.50	4	34% decrease in prey consumption (NTU)	Granqvist & Mattila (2004)
Salmon (Chum)	J	40.00	0.80	4	Feeding activity reduced 43% (NTU)	DeRobertis et al. (2003)
Walleye Pollock	J	40.00	0.80	4	Feeding activity reduced 35% (NTU)	DeRobertis et al. (2003)
Sablefish	J	5.00	0.80	4	Feeding activity reduced 70% (NTU)	DeRobertis et al. (2003)
Sablefish	J	10.00	0.80	4	Feeding ceased (NTU)	DeRobertis et al. (2003)
Trout (Brown)	Y	150.00	0.50	0	Feeding activity increased 3.13%	Greer et al. (2015)
Trout (Brown)	Y	300.00	0.50	4	Feeding activity reduced 6.27%	Greer et al. (2015)
Trout (Brown)	Y	450.00	0.50	4	Feeding activity reduced 21.2%	Greer et al. (2015)
Trout (Brown)	Y	600.00	0.50	4	Feeding activity reduced 31.4%	Greer et al. (2015)
Salmon (Chum)	J	31.00	42.00	0	Decreased vulnerability to predation (by 19%, NTU)	Gregory & Levings (1996)
Salmon (Chinook)	J	57.00	162.00	0	Decreased vulnerability to predation (by 41%, NTU)	Gregory & Levings (1996)
Salmon (Sockeye)	J	29.00	42.00	0	Decreased vulnerability to predation (by 41%, NTU)	Gregory & Levings (1996)
Salmon (Chinook)	J	23.00	0.02	2	Predator response changed (NTU)	Gregory (1993)
Salmon (Coho)	U	41000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Coho)	U	36000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Coho)	U	33000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Coho)	U	30000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Coho)	U	25000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Coho)	U	24000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	U	19000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Coho)	U	16000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Coho)	U	0.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Coho)	U	41000.00	96.00	8	Mineral particles present in gills (0.5/lamellae; 0/lamellae control)	Martens & Servizi (1993)
Salmon (Coho)	U	36000.00	96.00	8	Mineral particles present in gills (1.25/lamellae; 0/lamellae control)	Martens & Servizi (1993)
Salmon (Coho)	U	33000.00	96.00	8	No mineral particles present in gills (0 particles/lamellae; 0 particles/lamellae control)	Martens & Servizi (1993)
Salmon (Coho)	U	30000.00	96.00	8	Mineral particles present in gills (2.5 particles/lamellae; 0 particles/lamellae control)	Martens & Servizi (1993)
Salmon (Coho)	U	25000.00	96.00	8	Mineral particles present in gills (2 particles/lamellae; 0 particles/lamellae control)	Martens & Servizi (1993)
Salmon (Coho)	U	24000.00	96.00	8	Mineral particles present in gills (0.5 particles/lamellae; 0 particles/lamellae control)	Martens & Servizi (1993)
Salmon (Coho)	U	19000.00	96.00	8	Mineral particles present in gills (0.5 particles/lamellae; 0 particles/lamellae control)	Martens & Servizi (1993)
Salmon (Coho)	U	16000.00	96.00	8	Mineral particles present in gills (2.5 particles/lamellae; 0 particles/lamellae control)	Martens & Servizi (1993)
Salmon (Coho)	U	0.00	96.00	0	No mineral particles present in gills (0 particles/lamellae; 0 particles/lamellae control)	Martens & Servizi (1993)
Salmon (Sockeye)	U	245.00	1800.00	8	Mineral particles found in gill samples (average 25)	Martens & Servizi (1993)
Salmon (Chinook)	U	72.00	1704.00	8	Intracelluar mineral particles present in gill samples (average 0.9)	Martens & Servizi (1993)
Salmon (Pink)	F	21000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Pink)	F	17000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Pink)	F	7000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Pink)	F	5000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Pink)	F	4000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Pink)	F	2000.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Pink)	F	0.00	96.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Pink)	F	21000.00	96.00	8	Mineral particles present in gills (6.5 particles/lamellae; 0 particles/lamellae control)	Martens & Servizi (1993)
Salmon (Pink)	F	17000.00	96.00	8	Mineral particles present in gill samples (N particles= 11)	Martens & Servizi (1993)
Salmon (Pink)	F	7000.00	96.00	8	Mineral particles present in gill samples (N particles= 5)	Martens & Servizi (1993)
Salmon (Pink)	F	5000.00	96.00	8	Mineral particles present in gill samples (N particles= 3)	Martens & Servizi (1993)
Salmon (Pink)	F	4000.00	96.00	8	Mineral particles present in gill samples (N particles= 4)	Martens & Servizi (1993)
Salmon (Pink)	F	2000.00	96.00	0	No mineral particles present in gill samples	Martens & Servizi (1993)
Salmon (Pink)	F	0.00	96.00	0	No mineral particles present in gill samples	Martens & Servizi (1993)
Salmon (Coho)	U	116.00	1032.00	8	Intracelluar mineral particles present in gill samples (average 2.4)	Martens & Servizi (1993)
Salmon (Coho)	U	116.00	1032.00	8	Mineral particles present in spleen tissues (33%)	Martens & Servizi (1993)
Salmon (Sockeye)	U	116.00	1032.00	8	Mineral particles present in gill samples (average 27)	Martens & Servizi (1993)
Salmon (Sockeye)	U	116.00	1032.00	8	Intracelluar mineral particles present in gill samples (average 14.6)	Martens & Servizi (1993)
Salmon (Sockeye)	U	16.00	1704.00	8	Mineral particles present in spleen tissues (100%)	Martens & Servizi (1993)
Salmon (Sockeye)	U	72.00	1704.00	8	Intracelluar mineral particles present in gill samples (average 9.1)	Martens & Servizi (1993)
Salmon (Chinook)	U	116.00	1032.00	8	Mineral particles present in spleen tissues (33%)	Martens & Servizi (1993)
Salmon (Sockeye)	U	116.00	1032.00	0	No cytopathological changes observed	Martens & Servizi (1993)
Salmon (Sockeye)	U	271.00	1800.00	0	No cytopathological changes observed	Martens & Servizi (1993)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Perch (White)	J	100.00	96.00	11	Egg mortality 34.0% (control 37.5%)	Auld & Schubel (1974)
Perch (White)	J	500.00	96.00	13	Egg mortality 70.0% (control 37.5%)	Auld & Schubel (1974)
Perch (White)	J	1000.00	96.00	13	Egg mortality 69.0% (control 37.5%)	Auld & Schubel (1974)
Menhaden (Atlantic)	J	50.00	96.00	14	Egg mortality 87.5% (control 90.0%)	Auld & Schubel (1974)
Menhaden (Atlantic)	J	100.00	96.00	14	Egg mortality 100% (control 90.0%)	Auld & Schubel (1974)
Menhaden (Atlantic)	J	500.00	96.00	14	Egg mortality 97.5% (control 90.0%)	Auld & Schubel (1974)
Menhaden (Atlantic)	J	1000.00	96.00	14	Egg mortality 100% (control 90.0%)	Auld & Schubel (1974)
Salmon (Coho)	Y	450.00	4.00	8	Plasma cortisol increased by 267% (11ng/mL, control 3ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	450.00	12.00	5	Plasma cortisol decreased by 35% (11ng/mL, control 17ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	450.00	24.00	8	Plasma cortisol increased by 700% (16ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	450.00	48.00	8	Plasma cortisol increased by 300% (4ng/mL, control 1ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	450.00	96.00	5	Plasma cortisol decreased by 33% (3ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	450.00	168.00	8	Plasma cortisol increased by 200% (6ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	2500.00	4.00	8	Plasma cortisol increased by 900% (30ng/mL, control 3ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	2500.00	12.00	8	Plasma cortisol increased by 82% (31ng/mL, control 17ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	2500.00	24.00	8	Plasma cortisol increased by 450% (11ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	2500.00	48.00	8	Plasma cortisol increased by 800% (9ng/mL, control 1ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	2500.00	96.00	8	Plasma cortisol increased by 100% (6ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	2500.00	168.00	8	Plasma cortisol increased by 250% (7ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	450.00	1.00	5	Plasma cortisol decreased by 33% (2ng/mL, control 3ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	450.00	4.00	8	Plasma cortisol increased by 50% (3ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	450.00	12.00	8	Plasma cortisol increased by 50% (3ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	450.00	24.00	0	No change in plasma cortisol (3ng/mL, 3control ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	450.00	48.00	8	Plasma cortisol increased by 600% (7ng/mL, control 1ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	450.00	96.00	5	Plasma cortisol decreased by 33% (2ng/mL, control 3ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	450.00	192.00	8	Plasma cortisol increased by 50% (3ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	2500.00	1.00	8	Plasma cortisol increased by 133% (7ng/mL, control 3ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	2500.00	4.00	8	Plasma cortisol increased by 200% (6ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	2500.00	12.00	8	Plasma cortisol increased by 850% (19ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	2500.00	24.00	8	Plasma cortisol increased by 1267% (41ng/mL, control 3ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	2500.00	48.00	8	Plasma cortisol increased by 2200% (23ng/mL, control 1ng/mL)	Redding et al. (1987)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Steelhead)	Y	2500.00	96.00	8	Plasma cortisol increased by 433% (16ng/mL, control 3ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	2500.00	192.00	5	Plasma cortisol decreased by 50% (1ng/mL, control 2ng/mL)	Redding et al. (1987)
Salmon (Coho)	Y	450.00	48.00	0	No change in feeding rate (scaled 2.3, control scaled 2.2)	Redding et al. (1987)
Salmon (Coho)	Y	2500.00	48.00	4	Feeding rate reduced (scaled 0.8, control scaled 2.2)	Redding et al. (1987)
Salmon (Coho)	Y	450.00	168.00	4	Feeding rate reduced (scaled 2.5, control scaled 2.8)	Redding et al. (1987)
Salmon (Coho)	Y	2500.00	168.00	4	Feeding rate reduced (scaled 0.1, control scaled 2.8)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	3.00	8	Cortisol concentrations increased (28ng/mL, control: 5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	3.00	8	Cortisol concentrations increased (22ng/mL, control: 5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	3.00	8	Cortisol concentrations increased (9ng/mL, control: 5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	3.00	8	Cortisol concentrations increased (42ng/mL, control: 5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	3.00	8	Cortisol concentrations increased (10ng/mL, control: 5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	9.00	8	Cortisol concentrations increased (20ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	9.00	8	Cortisol concentrations increased (79ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	9.00	8	Cortisol concentrations increased (43ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	9.00	8	Cortisol concentrations increased (77ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	9.00	8	Cortisol concentrations increased (80ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	9.00	8	Cortisol concentrations increased (78ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	24.00	8	Cortisol concentrations increased (39ng/mL, control: 4.6ng/ml)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	24.00	8	Cortisol concentrations increased (78ng/mL, control: 4.6ng/ml)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	24.00	8	Cortisol concentrations increased (40ng/mL, control: 4.6ng/ml)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	24.00	8	Cortisol concentrations increased (28ng/mL, control: 4.6ng/ml)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	24.00	8	Cortisol concentrations increased (31ng/mL, control: 4.6ng/ml)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	24.00	8	Cortisol concentrations increased (41ng/mL, control: 4.6ng/ml)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	48.00	8	Cortisol concentrations increased (5ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	48.00	8	Cortisol concentrations increased (20ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	48.00	8	Cortisol concentrations increased (43ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	48.00	8	Cortisol concentrations increased (29ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	48.00	8	Cortisol concentrations increased (17ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	48.00	8	Cortisol concentrations increased (18ng/mL, control: 4.5ng/mL)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	3.00	5	Plasma hematocrits decreased (47%,control 48%)	Redding et al. (1987)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Steelhead)	Y	500.00	9.00	8	Plasma hematocrits increased (50%,control 43%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	24.00	8	Plasma hematocrits increased (47%,control 44%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	48.00	8	Plasma hematocrits increased (50%,control 47%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	3.00	8	Plasma hematocrits increased (45%,control 44%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	9.00	8	Plasma hematocrits increased (49%,control 38%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	24.00	8	Plasma hematocrits increased (50%,control 40%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	48.00	8	Plasma hematocrits increased (45%,control 37%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	9.00	8	Plasma hematocrits increased (40%,control 37%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	24.00	8	Plasma hematocrits increased (46%,control 42%)	Redding et al. (1987)
Salmon (Steelhead)	Y	500.00	48.00	8	Plasma hematocrits increased (43%,control 37%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	3.00	5	Plasma hematocrits decreased (47%,control 48%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	9.00	8	Plasma hematocrits increased (53%,control 43%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	24.00	8	Plasma hematocrits increased (55%, control 44%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	48.00	8	Plasma hematocrits increased (52%,control 47%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	3.00	0	No change in plasma hematocrits (44%,control 44%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	9.00	8	Plasma hematocrits increased (46%,control 38%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	24.00	8	Plasma hematocrits increased (46%,control 40%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	48.00	8	Plasma hematocrits increased (39%,control 37%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	9.00	8	Plasma hematocrits increased (47%,control 37%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	24.00	8	Plasma hematocrits increased (46%,control 42%)	Redding et al. (1987)
Salmon (Steelhead)	Y	3000.00	48.00	8	Plasma hematocrits increased (45%,control 37%)	Redding et al. (1987)
Salmon (Steelhead)	Y	0.83	3.00	8	Plasma hematocrits decreased (47%,control 48%)	Redding et al. (1987)
Salmon (Steelhead)	Y	0.83	9.00	8	Plasma hematocrits increased (49%,control 43%)	Redding et al. (1987)
Salmon (Steelhead)	Y	0.83	24.00	8	Plasma hematocrits increased (46%,control 44%)	Redding et al. (1987)
Salmon (Steelhead)	Y	2500.00	48.00	13	Fish tolerance to Vibrio anguillarum infection reduced (77%, control 53%)	Redding et al. (1987)
Salmon (Steelhead)	Y	2500.00	48.00	13	Fish died from Vibrio anguillarum infection faster (4.1 days, control 4.65 days)	Redding et al. (1987)
Carp (Rock)	J	200.00	18.00	14	Mortality rate 100% (control LC100 21.4 hrs)	Feng et al. (2019)
Carp (Rock)	J	600.00	16.00	14	Mortality rate 100% (control LC100 21.4 hrs)	Feng et al. (2019)
Carp (Rock)	J	1000.00	11.00	14	Mortality rate 100% (control LC100 21.4 hrs)	Feng et al. (2019)
Carp (Rock)	J	200.00	10.00	14	Mortality rate 100% (control LC100 11 hrs)	Feng et al. (2019)
Carp (Rock)	J	600.00	7.50	14	Mortality rate 100% (control LC100 11 hrs)	Feng et al. (2019)
Carp (Rock)	J	1000.00	7.00	14	Mortality rate 100% (control LC100 11 hrs)	Feng et al. (2019)
Carp (Rock)	J	200.00	7.90	14	Mortality rate 100% (control LC100 7 hrs)	Feng et al. (2019)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Carp (Rock)	J	600.00	6.00	14	Mortality rate 100% (control LC100 7 hrs)	Feng et al. (2019)
Carp (Rock)	J	1000.00	5.00	14	Mortality rate 100% (control LC100 7 hrs)	Feng et al. (2019)
Carp (Rock)	J	200.00	4.30	14	Mortality rate 100% (control LC100 5 hrs)	Feng et al. (2019)
Carp (Rock)	J	600.00	4.00	14	Mortality rate 100% (control LC100 5 hrs)	Feng et al. (2019)
Carp (Rock)	J	1000.00	3.60	14	Mortality rate 100% (control LC100 5 hrs)	Feng et al. (2019)
Carp (Rock)	J	200.00	13.00	12	Mortality rate 50% (control LC50 13.8 hrs)	Feng et al. (2019)
Carp (Rock)	J	600.00	11.00	12	Mortality rate 50% (control LC50 13.8 hrs)	Feng et al. (2019)
Carp (Rock)	J	1000.00	9.40	12	Mortality rate 50% (control LC50 13.8 hrs)	Feng et al. (2019)
Carp (Rock)	J	200.00	7.00	12	Mortality rate 50% (control LC50 6.93 hrs)	Feng et al. (2019)
Carp (Rock)	J	600.00	5.55	12	Mortality rate 50% (control LC50 6.93 hrs)	Feng et al. (2019)
Carp (Rock)	J	1000.00	4.85	12	Mortality rate 50% (control LC50 6.93 hrs)	Feng et al. (2019)
Carp (Rock)	J	200.00	5.20	12	Mortality rate 50% (control LC50 4.68 hrs)	Feng et al. (2019)
Carp (Rock)	J	600.00	4.15	12	Mortality rate 50% (control LC50 4.68 hrs)	Feng et al. (2019)
Carp (Rock)	J	1000.00	3.80	12	Mortality rate 50% (control LC50 4.68 hrs)	Feng et al. (2019)
Carp (Rock)	J	200.00	3.28	12	Mortality rate 50% (control LC50 3.50 hrs)	Feng et al. (2019)
Carp (Rock)	J	600.00	3.10	12	Mortality rate 50% (control LC50 3.50 hrs)	Feng et al. (2019)
Carp (Rock)	J	1000.00	2.95	12	Mortality rate 50% (control LC50 3.50 hrs)	Feng et al. (2019)
Bass (Largemouth)	J	10.00	0.30	4	Rate of feeding reduced 15% (NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	25.00	0.30	4	Rate of feeding reduced 13% (NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	50.00	0.30	4	Rate of feeding reduced 40% (NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	100.00	0.30	4	Rate of feeding reduced 21% (NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	250.00	0.30	4	Rate of feeding reduced 85% (NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	10.00	0.30	4	Reduced capacity to locate prey (375 seconds, control: 210 seconds, NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	25.00	0.30	4	Reduced capacity to locate prey (380 seconds, control: 210 seconds, NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	50.00	0.30	4	Reduced capacity to locate prey (580 seconds, control: 210 seconds, NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	100.00	0.30	4	Reduced capacity to locate prey (575 seconds, control: 210 seconds, NTU)	Huenemann et al. (2012)
Bass (Largemouth)	J	250.00	0.30	4	Reduced capacity to locate prey (1090 seconds, control: 210 seconds, NTU)	Huenemann et al. (2012)
Salmon (Chinook)	J	30000.00	48.00	3	62% of fish sought cover, direct behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	30% of fish sought cover, direct behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	16% offish sought cover, exploratory behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	31% of fish sought cover, exploratory behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	1	19% of fish did not seek cover, exploratory behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	1	20% of fish did not seek cover, exploratory behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	2	3% of fish did not seek cover, stuporous behavior responses, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	2	19% of fish did not seek cover, stuporous behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish immediately sought cover, direct behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish immediately sought cover, direct behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish sought cover in 30 seconds, exploratory behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish sought cover in 50 seconds, exploratory behavior response, sediment treatment	Korstrom & Birtwell (2006)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Chinook)	J	30000.00	48.00	0	Fish did not seek cover, exploratory behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	0	Fish did not seek cover, exploratory behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	2	Fish did not seek cover, stuporous behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	2	Fish did not seek cover, stuporous behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish traveled 86 cm to seek cover, direct behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish traveled 86 cm to seek cover, direct behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish traveled 138 cm to seek cover, exploratory behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish traveled 164 cm to seek cover, exploratory behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	0	Fish traveled 225 cm, did not seek cover, exploratory behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	0	Fish traveled 323 cm, did not seek cover, exploratory behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish sought cover at 3.98 bl/s, direct behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish sought cover at 3.20 bl/s, direct behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish sought cover at 0.19 bl/s, exploratory behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish sought cover at 0.21 bl/s, exploratory behavior response, sediment treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	0	Fish did not seek cover at 0.09 bl/s, exploratory behavior response, clear treatment	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	0	Fish did not seek cover at 0.19 bl/s, exploratory behavior response	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	3	Fish took less time to find cover (85.8 seconds, control 174.1 seconds)	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	5	Fish speed reduced (0.9 bl/s, control 2.6 bl/s)	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	5	Fish took more time to find cover (94.6 seconds, control 25.2 seconds)	Korstrom & Birtwell (2006)
Salmon (Chinook)	J	30000.00	48.00	5	Fish speed reduced (1.5 bl/s, control 3.3 bl/s)	Korstrom & Birtwell (2006)
Mandarin fish	J	0.00	2.00	4	Foraging success rate 46% (control 46%, NTU)	Li et al. (2013)
Mandarin fish	J	10.00	2.00	4	Foraging success rate 47% (control 46%, NTU)	Li et al. (2013)
Mandarin fish	J	20.00	2.00	4	Foraging success rate 49% (control 46%, NTU)	Li et al. (2013)
Mandarin fish	J	40.00	2.00	4	Foraging success rate 50% (control 46%, NTU)	Li et al. (2013)
Mandarin fish	J	80.00	2.00	4	Foraging success rate 51% (control 46%, NTU)	Li et al. (2013)
Mandarin fish	J	10.00	2.00	4	Foraging success rate 51% (control 50%, NTU)	Li et al. (2013)
Mandarin fish	J	20.00	2.00	4	Foraging success rate 50% (control 50%, NTU)	Li et al. (2013)
Mandarin fish	J	40.00	2.00	4	Foraging success rate 45% (control 50%, NTU)	Li et al. (2013)
Mandarin fish	J	80.00	2.00	4	Foraging success rate 49% (control 50%, NTU)	Li et al. (2013)
Cod (Atlantic)	J	10.00	1.00	2	Fish activity increased (599 activity/hour, control 505 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	16.00	1.00	2	Fish activity decreased (424 activity/hour, control 505 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	32.00	1.00	2	Fish activity decreased (279 activity/hour, control 505 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	1.00	2	Fish activity increased (677 activity/hour, control 505 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	1.00	0.17	2	Fish activity with prey odor (82 activity/hour, NTU)	Meager & Batty (2007)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Cod (Atlantic)	J	10.00	0.33	4	Fish activity with prey odor decreased (80 activity/hour, control 82 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	16.00	0.50	2	Fish activity with prey odor increased (90 activity/hour, control 82 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	32.00	0.67	2	Fish activity with prey odor increased (93 activity/hour, control 82 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	0.83	2	Fish activity with prey odor increased (89 activity/hour, control 82 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	1.00	2	Fish activity with prey odor increased (92 activity/hour, control 82 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	1.17	2	Fish activity with prey odor increased (126 activity/hour, control 82 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	1.33	4	Fish activity with prey odor decreased (45 activity/hour, control 82 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	1.00	0.17	1	Fish activity without prey odor (91 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	0.33	2	Fish activity without prey odor decreased (74 activity/hour, control 91 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	16.00	0.50	2	Fish activity without prey odor decreased (77 activity/hour, control 91 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	32.00	0.67	2	Fish activity without prey odor decreased (75 activity/hour, control 91 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	0.83	2	Fish activity without prey odor decreased (87 activity/hour, control 91 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	1.00	2	Fish activity without prey odor decreased (58 activity/hour, control 91 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	1.17	2	Fish activity without prey odor decreased (42 activity/hour, control 91 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	55.00	1.33	2	Fish activity without prey odor decreased (24 activity/hour, control 91 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	0.33	4	Prey search time 20 minutes (NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	0.47	4	Prey search time increased (28 minutes, control 20 minutes, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	0.53	4	Prey search time increased (32 minutes, control 20 minutes, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	0.55	4	Prey search time increased (33 minutes, control 20 minutes, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	0.62	4	Prey search time increased (37 minutes, control 20 minutes, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	1.00	2	Fish activity increased (599 activity/hour, control 499 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	1.00	2	Fish activity decreased (422 activity/hour, control 499 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	1.00	2	Fish activity decreased (277 activity/hour, control 499 activity/hour, NTU)	Meager & Batty (2007)
Cod (Atlantic)	J	10.00	1.00	2	Fish activity increased (676 activity/hour, control 499 activity/hour, NTU)	Meager & Batty (2007)
Salmon (Atlantic)	J	20.00	2.50	2	Increase in foraging behavior (0.6 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	40.00	2.50	2	Increase in foraging behavior (0.6 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	60.00	2.50	2	Increase in foraging behavior (0.9 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	80.00	2.50	2	Increase in foraging behavior (0.6 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	120.00	2.50	2	Increase in foraging behavior (0.5 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	180.00	2.50	2	Increase in foraging behavior (0.6 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	260.00	2.50	2	Increase in foraging behavior (0.8 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	360.00	2.50	2	Increase in foraging behavior (0.4 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	460.00	2.50	0	No change in behavior or increase in foraging (0.1 ,control 0.1)	Robertson et al. (2007)
Salmon (Atlantic)	J	20.00	2.50	2	Fish abandoned cover (0.3, control 0.4)	Robertson et al. (2007)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Atlantic)	J	40.00	2.50	2	Fish abandoned cover (0.3, control 0.4)	Robertson et al. (2007)
Salmon (Atlantic)	J	60.00	2.50	2	Fish abandoned cover (0.2, control 0.4)	Robertson et al. (2007)
Salmon (Atlantic)	J	80.00	2.50	1	Fish did not take cover (0, control 0.4)	Robertson et al. (2007)
Salmon (Atlantic)	J	120.00	2.50	1	Fish did not take cover (0, control 0.4)	Robertson et al. (2007)
Salmon (Atlantic)	J	180.00	2.50	1	Fish did not take cover (0, control 0.4)	Robertson et al. (2007)
Salmon (Atlantic)	J	260.00	2.50	1	Fish did not take cover (0, control 0.4)	Robertson et al. (2007)
Salmon (Atlantic)	J	360.00	2.50	1	Fish did not take cover (0, control 0.4)	Robertson et al. (2007)
Salmon (Atlantic)	J	460.00	2.50	1	Fish did not take cover (0, control 0.4)	Robertson et al. (2007)
Salmon (Atlantic)	J	20.00	2.50	3	Territorial behavior displayed, no difference from control (1.0, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	40.00	2.50	3	Territorial behavior displayed, no difference from control (1.0, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	60.00	2.50	3	Decrease in territorial behavior observed (0.9, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	80.00	2.50	3	Decrease in territorial behavior observed (0.7, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	120.00	2.50	3	Decrease in territorial behavior observed (0.8, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	180.00	2.50	3	Decrease in territorial behavior observed (0.3, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	260.00	2.50	3	Decrease in territorial behavior observed (0.4, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	360.00	2.50	3	Decrease in territorial behavior observed (0.3, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	460.00	2.50	3	Decrease in territorial behavior observed (0.2, control 1.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	20.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	40.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	60.00	2.50	2	Increase in alarm reaction observed (0.1, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	80.00	2.50	2	Increase in alarm reaction observed (0.6, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	120.00	2.50	2	Increase in alarm reaction observed (0.9, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	180.00	2.50	1	Alarm reaction observed (1.0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	260.00	2.50	1	Alarm reaction observed (1.0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	360.00	2.50	1	Alarm reaction observed (1.0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	460.00	2.50	1	Alarm reaction observed (1.0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	20.00	2.50	2	Increase in foraging behavior (0.5,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	40.00	2.50	2	Increase in foraging behavior (0.8,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	60.00	2.50	2	Increase in foraging behavior (0.6,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	80.00	2.50	2	Increase in foraging behavior (0.5,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	120.00	2.50	2	Increase in foraging behavior (0.6,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	180.00	2.50	2	Increase in foraging behavior (0.6,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	260.00	2.50	2	Increase in foraging behavior (0.6,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	360.00	2.50	2	Increase in foraging behavior (0.6,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	460.00	2.50	2	Increase in foraging behavior (0.4,control 0.0)	Robertson et al. (2007)
Salmon (Atlantic)	J	20.00	2.50	2	Fish abandoned cover (0.5, control 0.6)	Robertson et al. (2007)
Salmon (Atlantic)	J	40.00	2.50	2	Fish abandoned cover (0.5, control 0.6)	Robertson et al. (2007)
Salmon (Atlantic)	J	60.00	2.50	2	Fish abandoned cover (0.4, control 0.6)	Robertson et al. (2007)
Salmon (Atlantic)	J	80.00	2.50	2	Fish abandoned cover (0.4, control 0.6)	Robertson et al. (2007)
Salmon (Atlantic)	J	120.00	2.50	2	Fish abandoned cover (0.4, control 0.6)	Robertson et al. (2007)
Salmon (Atlantic)	J	180.00	2.50	2	Fish abandoned cover (0.3, control 0.6)	Robertson et al. (2007)
Salmon (Atlantic)	J	260.00	2.50	2	Fish abandoned cover (0.3, control 0.6)	Robertson et al. (2007)
Salmon (Atlantic)	J	360.00	2.50	2	Fish abandoned cover (0.3, control 0.6)	Robertson et al. (2007)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Atlantic)	J	460.00	2.50	2	Fish abandoned cover (0.2, control 0.6)	Robertson et al. (2007)
Salmon (Atlantic)	J	20.00	2.50	3	Increase in territorial behavior observed(0.1, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	40.00	2.50	3	Increase in territorial behavior observed(0.1, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	60.00	2.50	0	No territorial behavior displayed, no difference from control (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	80.00	2.50	3	Increase in territorial behavior observed(0.1, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	120.00	2.50	3	Increase in territorial behavior observed(0.1, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	180.00	2.50	0	No territorial behavior displayed, no difference from control (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	260.00	2.50	0	No territorial behavior displayed, no difference from control (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	360.00	2.50	0	No territorial behavior displayed, no difference from control (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	460.00	2.50	0	No territorial behavior displayed, no difference from control (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	20.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	40.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	60.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	80.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	120.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	180.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	260.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	360.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Salmon (Atlantic)	J	460.00	2.50	0	No alarm reaction observed (0, control 0)	Robertson et al. (2007)
Menhaden	J	140000.00	48.00	10	No mortality (0%)	O'Conner et al. (1976)
Menhaden	J	140000.00	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Croaker	J	11400.00	24.00	14	Mortality rate 100% (LC100)	O'Conner et al. (1976)
Weakfish	U	8200.00	24.00	14	Mortality rate 100% (LC100)	O'Conner et al. (1976)
Weakfish	U	6800.00	24.00	14	Mortality rate 100% (LC100)	O'Conner et al. (1976)
Bluefish	J	800.00	24.00	14	Mortality rate 100% (LC100)	O'Conner et al. (1976)
Menhaden	U	1200.00	24.00	14	Mortality rate 100% (LC100)	O'Conner et al. (1976)
Menhaden	J	800.00	24.00	14	Mortality rate 100% (LC100)	O'Conner et al. (1976)
Perch (White)	J	3050.00	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Trout (Rainbow)	J	300.00	29.00	10	Fish had decreased resistance to F. columnaris (8.1% mortaliaty)	Poston et al. (1985)
Trout (Rainbow)	J	300.00	31.00	10	Fish had decreased resistance to F. columnaris (14% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	300.00	42.00	10	Fish had decreased resistance to F. columnaris (19.7% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	300.00	48.00	11	Fish had decreased resistance to F. columnaris (26.6% mortality, control 8.8%)	Poston et al. (1985)
Trout (Rainbow)	J	300.00	60.00	11	Fish had decreased resistance to F. columnaris (34.4% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	300.00	69.00	11	Fish had decreased resistance to F. columnaris (39.8% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	16.00	10	Fish had decreased resistance to F. columnaris (8.3% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	19.00	10	Fish had decreased resistance to F. columnaris (13.9% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	20.00	11	Fish had decreased resistance to F. columnaris (33.9% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	22.00	12	Fish had decreased resistance to F. columnaris (40.6% mortality)	Poston et al. (1985)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	J	11500.00	23.00	12	Fish had decreased resistance to F. columnaris (46.8% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	24.00	12	Fish had decreased resistance to F. columnaris (53.5% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	300.00	69.00	10	Fish had decreased resistance to F. columnaris (7.7% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	13.00	10	Fish had decreased resistance to F. columnaris (6.9% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	19.00	10	Fish had decreased resistance to F. columnaris (15.2% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	22.00	11	Fish had decreased resistance to F. columnaris (26.9% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	30.00	11	Fish had decreased resistance to F. columnaris (34.7% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	36.00	12	Fish had decreased resistance to F. columnaris (40.5% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	41.00	12	Fish had decreased resistance to F. columnaris (46.1% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	44.00	12	Fish had decreased resistance to F. columnaris (54.4% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	49.00	13	Fish had decreased resistance to F. columnaris (60.8% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	11500.00	55.00	13	Fish had decreased resistance to F. columnaris (66.8% mortality)	Poston et al. (1985)
Trout (Rainbow)	J	52400.00	16.00	10	No change in survival times after F. columnaris exposure while in flow-through conditions (15.6 hours, control 25.9 hours)	Poston et al. (1985)
Trout (Rainbow)	J	32720.00	16.00	10	No change in survival times after F. columnaris exposure while in flow-through conditions (16.2 hours, control 25.9 hours)	Poston et al. (1985)
Trout (Rainbow)	J	52400.00	33.00	10	No change in survival times after F. columnaris exposure while in flow-through conditions	Poston et al. (1985)
Trout (Rainbow)	J	32720.00	38.00	10	No change in survival times after F. columnaris exposure while in flow-through conditions	Poston et al. (1985)
Trout (Rainbow)	J	52400.00	16.00	10	No change in survival times after F. columnaris exposure while in static conditions (15.5 hours, control 20.2 hours)	Poston et al. (1985)
Trout (Rainbow)	J	32720.00	15.00	10	No change in survival times after F. columnaris exposure while in static conditions (14.9 hours, control 20.2 hours)	Poston et al. (1985)
Trout (Rainbow)	J	52400.00	22.00	10	Survival times decreased after F. columnaris exposure while in static conditions (22.2 hours, control 47.6 hours)	Poston et al. (1985)
Trout (Rainbow)	J	32720.00	30.00	10	Survival times decreased after F. columnaris exposure while in static conditions (29.8 hours, control 47.6 hours)	Poston et al. (1985)
Menhaden	J	1540.00	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Menhaden	J	2470.00	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Menhaden	J	3960.00	24.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Salmon (Coho)	U	300.00	96.00	8	Mean blood sugar increased (7.1 mmol/L, control 5.7 mmol/L)	Servizi & Martens (1992)
Salmon (Coho)	U	500.00	96.00	8	Mean blood sugar increased (8.2 mmol/L, control 5.7 mmol/L)	Servizi & Martens (1992)
Salmon (Coho)	U	1000.00	96.00	8	Mean blood sugar increased (10.0 mmol/L, control 5.7 mmol/L)	Servizi & Martens (1992)
Salmon (Coho)	U	1400.00	96.00	8	Mean blood sugar increased (11.6 mmol/L, control 5.7 mmol/L)	Servizi & Martens (1992)
Salmon (Coho)	U	0.00	96.00	8	Mean blood sugar 5.7 mmol/L	Servizi & Martens (1992)
Salmon (Coho)	U	20.00	24.00	5	Coughing rate increased (0.19 coughs/min, control 0.17 coughs/min)	Servizi & Martens (1992)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	U	240.00	24.00	5	Coughing rate increased (1.51 coughs/min, control 0.27 coughs/min)	Servizi & Martens (1992)
Salmon (Coho)	U	2460.00	24.00	5	Coughing rate increased (3.32 coughs/min, control 0.09 coughs/min)	Servizi & Martens (1992)
Salmon (Coho)	U	2460.00	1.00	5	Coughing rate increased (5.31 coughs/min, control 0.09 coughs/min)	Servizi & Martens (1992)
Salmon (Coho)	U	6780.00	1.00	5	Coughing rate increased (6.70 coughs/min, control 0.13 coughs/min)	Servizi & Martens (1992)
Salmon (Coho)	U	100.00	96.00	3	0.3% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	200.00	96.00	3	0.3% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	400.00	96.00	3	0.8% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	700.00	96.00	3	1.5% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	800.00	96.00	3	1.8% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	800.00	96.00	3	2.9% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	900.00	96.00	3	1.8% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	1000.00	96.00	3	2.9% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	1100.00	96.00	3	2.2% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	1400.00	96.00	3	2.9% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	2200.00	96.00	3	5.1% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	2300.00	96.00	3	3.3% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	2600.00	96.00	3	2.4% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	2800.00	96.00	3	3.4% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	3200.00	96.00	3	8.6% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	6400.00	96.00	3	13.0% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	6200.00	96.00	3	14.4% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	6900.00	96.00	3	18.1% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	6700.00	96.00	3	22.7% fish showed avoidance response	Servizi & Martens (1992)
Salmon (Coho)	U	7000.00	96.00	3	27.1% fish showed avoidance response	Servizi & Martens (1992)
Trout (Steelhead)	J	2200.00	1.00	8	Cortisol levels decreased (9.9 ng/ml, control 6.0 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	1.00	8	Cortisol levels decreased (5.8 ng/ml, control 6.0 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	4.00	8	Cortisol levels increased (11.4 ng/ml, control 4.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	4.00	8	Cortisol levels increased (5.5 ng/ml, control 4.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	12.00	8	Cortisol levels increased (27.0 ng/ml, control 2.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	12.00	8	Cortisol levels increased (4.4 ng/ml, control 2.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	24.00	8	Cortisol levels increased (47.7 ng/ml, control 7.8 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Cortisol levels decreased (5.4 ng/ml, control 7.8 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	48.00	8	Cortisol levels increased (30.9 ng/ml, control 1.0 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Cortisol levels increased (13.6 ng/ml, control 1.0 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	96.00	8	Cortisol levels increased (24.7 ng/ml, control 7.0 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	96.00	8	Cortisol levels decreased (3.1 ng/ml, control 7.0 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	192.00	8	Cortisol levels decreased (0.2 ng/ml, control 5.8 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	192.00	8	Cortisol levels increased (6.0 ng/ml, control 5.8 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	1.00	4	Feeding rate decreased	Redding & Schreck (1980)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Steelhead)	J	2200.00	4.00	4	Feeding rate decreased	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	12.00	4	Feeding rate decreased	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	24.00	4	Feeding rate decreased	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	48.00	4	Feeding rate decreased	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	96.00	4	Feeding rate decreased	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	192.00	4	Feeding rate decreased	Redding & Schreck (1980)
Salmon (Coho)	J	2250.00	4.00	8	Cortisol levels increased (37.8 ng/ml, control 6.1 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	2250.00	12.00	8	Cortisol levels increased (52.8 ng/ml, control 25.5 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	2250.00	25.00	8	Cortisol levels increased (22.8 ng/ml, control 9.5 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	2250.00	48.00	8	Cortisol levels increased (18 ng/ml, control 2.2 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	2250.00	96.00	8	Cortisol levels increased (22.8 ng/ml, control 5.8 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	2250.00	168.00	8	Cortisol levels increased (11 ng/ml, control 4.9 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	400.00	4.00	8	Cortisol levels increased (19.5 ng/ml, control 6.1 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	400.00	12.00	8	Cortisol levels decreased (18.7 ng/ml, control 25.5 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	400.00	25.00	8	Cortisol levels increased (21.3 ng/ml, control 9.5 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	400.00	48.00	8	Cortisol levels increased (8.3 ng/ml, control 2.2 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	400.00	96.00	8	Cortisol levels decreased (2.3 ng/ml, control 5.8 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	400.00	168.00	8	Cortisol levels increased (10.9 ng/ml, control 4.9 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	2250.00	168.00	8	Cortisol levels increased post exposure (388 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	400.00	168.00	8	Cortisol levels increased post exposure (308 ng/ml)	Redding & Schreck (1980)
Salmon (Coho)	J	2200.00	1.00	4	Feeding rate decreased	Redding & Schreck (1980)
Salmon (Coho)	J	2200.00	4.00	4	Feeding rate decreased	Redding & Schreck (1980)
Salmon (Coho)	J	2200.00	12.00	4	Feeding rate decreased	Redding & Schreck (1980)
Salmon (Coho)	J	2200.00	24.00	4	Feeding rate decreased	Redding & Schreck (1980)
Salmon (Coho)	J	2200.00	48.00	4	Feeding rate decreased	Redding & Schreck (1980)
Salmon (Coho)	J	2200.00	96.00	4	Feeding rate decreased	Redding & Schreck (1980)
Salmon (Coho)	J	2200.00	192.00	4	Feeding rate decreased	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	3.00	8	Cortisol levels increased (1.6 ng/ml, control 0.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	8	Cortisol levels increased (1.8 ng/ml, control 0.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Cortisol levels increased (1.4 ng/ml, control 0.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Cortisol levels increased (1.4 ng/ml, control 0.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	3.00	8	Cortisol levels increased (1.4 ng/ml, control 0.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Cortisol levels increased (1.3 ng/ml, control 0.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Cortisol levels increased (1.5 ng/ml, control 0.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Cortisol levels increased (0.7 ng/ml, control 0.5 ng/ml)	Redding & Schreck (1980)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Steelhead)	J	583.00	0.00	5	No change in cortisol levels (0.9 ng/ml, control 0.9 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	3.00	8	Cortisol levels increased (1.1 ng/ml, control 0.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	9.00	8	Cortisol levels increased (1.1 ng/ml, control 0.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	24.00	8	Cortisol levels increased (0.6 ng/ml, control 0.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	8	Hematocrit values increased significantly over controls	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Hematocrit values increased significantly over controls	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	3.00	8	Hematocrit percent increased (47.5%, control 46.4%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	8	Hematocrit percent increased (52.2%, control 42.7%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Hematocrit percent increased (54.5%, control 43.5%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Hematocrit percent increased (51.4%, control 46.3%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	3.00	8	Hematocrit percent increased (46.9%, control 46.4%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Hematocrit percent increased (49.4%, control 42.7%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Hematocrit percent increased (46.9%, control 43.5%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Hematocrit percent increased (49.5%, control 46.3%)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	3.00	5	Hematocrit percent decreased (46.1%, control 46.4%)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	9.00	8	Hematocrit percent increased (48.3%, control 42.7%)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	24.00	8	Hematocrit percent increased (45.6%, control 43.5%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	0.00	5	No change in osmolality (266.9 m osmol/L, control 266.8 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	3.00	8	Osmolality decreased (264.8 m osmol/L, control 273.4 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	5	No change in osmolality (273.7 m osmol/L, control 273.4 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	5	No change in osmolality (273.7 m osmol/L, control 273.5 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Osmolality decreased (271.7 m osmol/L, control 276.5 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	3.00	8	Osmolality decreased (269.7 m osmol/L, control 273.4 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Osmolality decreased (272.8 m osmol/L, control 273.4 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Osmolality decreased (269.6 m osmol/L, control 273.5 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Osmolality decreased (274.8 m osmol/L, control 276.5 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	0.00	5	No change in osmolality (266.9 m osmol/L, control 266.8 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	3.00	8	Osmolality increased (276.6 m osmol/L, control 273.4 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	9.00	8	Osmolality increased (274 m osmol/L, control 273.4 m osmal/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	583.00	24.00	8	Osmolality increased (275.2 m osmol/L, control 273.5 m osmal/L)	Redding & Schreck (1980)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Steelhead)	J	3000.00	3.00	8	Cortisol levels increased (23.9 ng/ml, control 6.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	8	Cortisol levels increased (83.6 ng/ml, control 3.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Cortisol levels increased (29.5 ng/ml, control 2.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Cortisol levels increased (16.1 ng/ml, control 2.7 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	3.00	8	Cortisol levels increased (42.7 ng/ml, control 6.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Cortisol levels increased (76.2 ng/ml, control 3.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Cortisol levels increased (73.6 ng/ml, control 2.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Cortisol levels increased (19.7 ng/ml, control 2.7 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	3.00	8	Hematocrit percent decreased (43.9%, control 44.1%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	8	Hematocrit percent increased (45.6%, control 38.2%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Hematocrit percent increased (45.7%, control 40%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Hematocrit percent increased (39.7%, control 37%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	3.00	8	Hematocrit percent increased (45%, control 44.1%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Hematocrit percent increased (49%, control 38.2%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Hematocrit percent increased (50.4%, control 40%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Hematocrit percent increased (45%, control 37%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	8	Cortisol levels increased (72.8 ng/ml, control 12.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Cortisol levels increased (40.4 ng/ml, control 7.3 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Cortisol levels increased (15.3 ng/ml, control 7 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Cortisol levels increased (46.9 ng/ml, control 12.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Cortisol levels increased (39.7 ng/ml, control 7.3 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Cortisol levels increased (48.7 ng/ml, control 7 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	8	Hematocrit percent decreased (36.9%, control 46.8%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Hematocrit percent decreased (42.3%, control 46%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Hematocrit percent decreased (36.6%, control 45.2%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Hematocrit percent decreased (36.9%, control 44.9%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Hematocrit percent decreased (42.3%, control 46.2%)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Hematocrit percent decreased (36.6%, control 41.7%)	Redding & Schreck (1980)
Trout (Steelhead)	F	2000.00	72.00	6	Fish feeding behavior erratic	Redding & Schreck (1980)
Trout (Steelhead)	F	500.00	72.00	0	No change in feeding behavior	Redding & Schreck (1980)
Trout (Steelhead)	F	2000.00	72.00	6	Fish feeding behavior erratic	Redding & Schreck (1980)
Trout (Steelhead)	F	500.00	72.00	0	No change in feeding behavior	Redding & Schreck (1980)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Steelhead)	F	2000.00	72.00	6	Fish feeding behavior erratic	Redding & Schreck (1980)
Trout (Steelhead)	F	500.00	72.00	0	No change in feeding behavior	Redding & Schreck (1980)
Salmon (Coho)	F	3000.00	108.00	0	No change in feeding behavior	Redding & Schreck (1980)
Salmon (Coho)	F	500.00	108.00	0	No change in feeding behavior	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	4.00	8	Cortisol levels increased (58.9 ng/ml, control 0.9 ng/ml, dye 27.7 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	10.00	8	Cortisol levels increased (24.8 ng/ml, control 17.6 ng/ml, dye 37.8 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	25.00	8	Cortisol levels increased (82.8 ng/ml, control 15.1 ng/ml, dye 1.7 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	48.00	8	Cortisol levels increased (31.6 ng/ml, control 7.3 ng/ml, dye 39.3 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	4.00	8	Cortisol levels increased (28.4 ng/ml, control 0.4 ng/ml, dye 1.3 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	10.00	8	Cortisol levels increased (38.6 ng/ml, control 2.4 ng/ml, dye 1.2 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	25.00	8	Cortisol levels increased (16.5 ng/ml, control 8.4 ng/ml, dye 1.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	48.00	8	Cortisol levels increased (23.7 ng/ml, control 6.5 ng/ml, dye 1.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	0.25	8	Cortisol levels greater in darkness (darkness 140.7 ng/ml, ambient 113.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	1.00	8	Cortisol levels greater in darkness (darkness 144.6 ng/ml, ambient 142.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	2200.00	8.00	8	Cortisol levels greater in darkness (darkness 98.3 ng/ml, ambient 67.5 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	3.00	8	Cortisol levels increased/decreased (73.7 ng/ml, control 6.9 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	9.00	8	Cortisol levels increased/decreased (70.9 ng/ml, control 16.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	24.00	8	Cortisol levels increased/decreased (68.6 ng/ml, control 19.6 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	48.00	8	Cortisol levels increased/decreased (28.4 ng/ml, control 33.4 ng/ml)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	3.00	8	Hematocrit percent increased (53%, control 46.6%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	9.00	8	Hematocrit percent increased (46.4%, control 44.3%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	24.00	8	Hematocrit percent increased (50.6%, control 46.8%)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	48.00	8	Hematocrit percent decreased (46.6%, control 47.5%)	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	2.00	13	77% mortality rate after exposure to suspended topsoil	Redding & Schreck (1980)
Trout (Steelhead)	J	2500.00	2.00	13	Fish died from Vibro anguilarum sooner	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	9.00	8	Sodium levels increased (153.8 meq/L, control 138.8 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Sodium levels increased (151 meq/L, control 137.8 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Sodium levels decreased (144.9 meq/L, control 147.9 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Sodium levels increased (159 meq/L, control 138.8 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Sodium levels increased (146 meq/L, control 137.8 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Sodium levels decreased (146.9 meq/L, control 147.9 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	3.00	8	Sodium levels increased (162.1 meq/L, control 154.7 meq/L)	Redding & Schreck (1980)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Steelhead)	J	3000.00	9.00	8	Sodium levels increased (163.7 meq/L, control 155.3 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	24.00	8	Sodium levels decreased (157.3 meq/L, control 162 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3000.00	48.00	8	Sodium levels decreased (157.9 meq/L, control 162.2 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	0.00	5	No change in sodium levels (162.2 meq/L, control 162.2 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	3.00	8	Sodium levels increased (164.7 meq/L, control 154.7 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	9.00	8	Sodium levels increased (161.5 meq/L, control 155.3 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	24.00	8	Sodium levels decreased (150.1 meq/L, control 162 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	500.00	48.00	8	Sodium levels decreased (150.4 meq/L, control 162.2 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	0.00	5	No change in sodium levels (169 meq/L, control 168.9 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	3.00	8	Sodium levels increased (161.2 meq/L, control 151.4 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	9.00	8	Sodium levels increased (158 meq/L, control 154.1 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	24.00	8	Sodium levels decreased (161.7 meq/L, control 167.1 meq/L)	Redding & Schreck (1980)
Trout (Steelhead)	J	3500.00	48.00	8	Sodium levels decreased (153.5 meq/L, control 154.1 meq/L)	Redding & Schreck (1980)
Goldfish	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Shiner (Emerald)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Shiner (Mimic)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Bullhead (Black)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Catfish (Flathead)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Sunfish (Green)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Bass (Redeye)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Bass (Largemouth)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Cumberland Snubnose)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Greenside)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Rainbow)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Stripetail)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Arrow)	J	127.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Goldfish	J	142.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Catfish (Flathead)	J	142.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Bass (Redeye)	J	142.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Cumberland Snubnose)	J	142.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Arrow)	J	142.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Goldfish	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Carp	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Bullhead (Black)	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Catfish (Flathead)	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Sunfish (Green)	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Bass (Redeye)	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Cumberland Snubnose)	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Darter (Stripetail)	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Darter (Arrow)	J	111.00	4320.00	14	No fish present in polluted areas (CWS)	Charles (1966)
Trout (Brown)	F	6000.00	744.00	14	No fry present	Water Research Center (1961)
Tilapia (Redbreast)	J	10000.00	2.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	15000.00	2.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	20000.00	2.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	24000.00	2.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	26000.00	2.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	30000.00	2.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	34000.00	2.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	10000.00	6.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	15000.00	6.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	20000.00	6.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	24000.00	6.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	26000.00	6.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	30000.00	6.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	34000.00	6.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	10000.00	24.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	15000.00	24.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	20000.00	24.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	24000.00	24.00	10	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	J	26000.00	24.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	30000.00	24.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	34000.00	24.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	10000.00	48.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	15000.00	48.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	J	20000.00	48.00	10	Mortality rate 10%	Buermann et al. (1997)
Tilapia (Redbreast)	J	24000.00	48.00	13	Mortality rate 75%	Buermann et al. (1997)
Tilapia (Redbreast)	J	26000.00	48.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	30000.00	48.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	34000.00	48.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	J	24000.00	2.00	12	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	J	24000.00	6.00	12	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	J	21000.00	24.00	12	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	J	22000.00	48.00	12	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	J	34000.00	2.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	J	34000.00	6.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	J	34000.00	24.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	J	34000.00	48.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Bass (Smallmouth)	J	35.00	168.00	11	IC25 - 25% reduction in total biomass	Sweeten (1996)
Bass (Smallmouth)	J	305.00	168.00	12	IC50 - 50% reduction in total biomass	Sweeten (1996)
Bluegill	J	76.00	336.00	11	IC25 - 25% reduction in total biomass	Sweeten (1996)
Bluegill	J	251.00	336.00	12	IC50 - 50% reduction in total biomass	Sweeten (1996)
Bass (Smallmouth)	J	225.00	168.00	11	IC25 - 25% reduction in mean dry weight	Sweeten (1996)
Bluegill	J	76.00	336.00	11	IC25 - 25% reduction in mean dry weight	Sweeten (1996)
Bluegill	J	244.00	336.00	12	IC50 - 50% reduction in mean dry weight	Sweeten (1996)
Bass (Smallmouth)	J	39.00	168.00	10	No mortality (control 0%)	Sweeten (1996)
Bass (Smallmouth)	J	79.00	168.00	10	Mortality rate 3% (control 0%)	Sweeten (1996)
Bass (Smallmouth)	J	158.00	168.00	10	Mortality rate 5% (control 0%)	Sweeten (1996)
Bass (Smallmouth)	J	315.00	168.00	11	Mortality rate 28% (control 0%)	Sweeten (1996)
Bluegill	J	39.00	336.00	10	No mortality (control 0%)	Sweeten (1996)
Bluegill	J	79.00	336.00	10	No mortality (control 0%)	Sweeten (1996)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Bluegill	J	158.00	336.00	10	Mortality rate 3% (control 0%)	Sweeten (1996)
Bluegill	J	315.00	336.00	11	Mortality rate 28% (control 0%)	Sweeten (1996)
Salmon (Chum)	J	28000.00	96.00	12	Mortality rate 50%	Smith (1940)
Salmon (Chum)	J	55000.00	96.00	12	Mortality rate 50% (winter)	Smith (1940)
Salmon (Sockeye)	U	9851.00	96.00	8	Hypertrophy and necrosis of gill tissue (MCSS)	Servizi & Martens (1987)
Trout (Rainbow)	J	4315.00	57.00	14	Mortalty rate ~ 100% (CSS)	Newcombe et al. (1995)
Trout (Brown)	J	2900.00	66.00	10	Habitat degradation and reduction in density	Quadroni et al. (2016, data pulled from Courtice et al. (2022))
Trout (Rainbow)	J	110.00	1.40	4	Fish swam together to compensate for reduced swim performance.	Berli et al. (2014, data pulled from Courtice et al. (2022))
Trout (Brown)	J	300.00	1104.00	13	Density drop average 65%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	J	300.00	1272.00	11	Density drop average 25%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	J	800.00	960.00	13	Density drop average 70%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	J	4700.00	312.00	12	Density drop average 60%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	J	3000.00	288.00	13	Density drop average 75%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	J	3500.00	312.00	9	Density drop average 0%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	J	4000.00	312.00	11	Density drop average 35%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Trout (Brown)	J	2600.00	72.00	12	Density drop average 60%	Espa et al. (2019, data pulled from Courtice et al. (2022))
Salmon (Chinook)	J	69.00	3.00	3	Reduce predator avoidance in turbidity	Gregory (1993, data pulled from Courtice et al. (2022))
Salmon (Chinook)	J	450.00	1.50	4	Change from attraction to turbidity to reduction in foraging ability	Gregory (1993, data pulled from Courtice et al. (2022))
Shiner (Whitetail)	J	50.00	504.00	4	Reduction in feeding	Sutherland & Meyer (2007, data pulled from Courtice et al. (2022))
Chub (Spotfin)	J	25.00	504.00	4	Reduction in feeding	Sutherland & Meyer (2007, data pulled from Courtice et al. (2022))
Shiner (Whitetail)	J	50.00	48.00	4	Increased corticosteroid	Sutherland & Meyer (2007, data pulled from Courtice et al. (2022))
Chub (Spotfin)	J	100.00	48.00	4	Increased corticosteroid	Sutherland & Meyer (2007, data pulled from Courtice et al. (2022))
Bluefish	J	800.00	24.00	14	Mortality rate 100%	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Menhaden (Atlantic)	J	800.00	24.00	14	Mortality rate 100%	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Perch (White)	J	750.00	24.00	14	Mortality rate 100%	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Chub (Yaqui)	F	1198.00	120.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	8372.00	12.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	4750.00	24.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	3888.00	36.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	2241.00	48.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	1934.00	60.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	1839.00	72.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	1302.00	84.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	1283.00	96.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	1203.00	108.00	12	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	1197.00	108.00	14	LC50 - 50% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	10000.00	24.00	14	100% mortality	Clark Barkalow & Bonar (2015)
Chub (Yaqui)	F	5000.00	48.00	14	100% mortality	Clark Barkalow & Bonar (2015)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Sucker (Razorback)	J	250.00	0.25	0	No avoidance response (control no avoidance response)	Johnson & Hines (1999)
Sucker (Razorback)	J	2000.00	0.25	3	Avoidance response (control no avoidance response)	Johnson & Hines (1999)
Sucker (Razorback)	J	2000.00	0.25	3	Greatly reduced predation of juveniles (control no avoidance response)	Johnson & Hines (1999)
Salmon (Coho)	J	100000.00	96.00	10	Lowest concentration to observe mortality	Lake & Hinch (1999)
Salmon (Coho)	J	40000.00	96.00	9	Stress response (decreased leukocrit)	Lake & Hinch (1999)
Salmon (Coho)	J	40000.00	96.00	9	Gill damage observed	Lake & Hinch (1999)
Salmon (Coho)	J	22.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	40.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	55.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	62.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	68.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	74.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	95.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	113.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	121.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	106.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	99.00	96.00	10	20% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	110.00	96.00	10	19% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	113.00	96.00	10	20% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	106.00	96.00	11	40% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	133.00	96.00	11	40% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	142.00	96.00	11	40% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	130.00	96.00	12	59% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	135.00	96.00	12	59% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	150.00	96.00	14	100% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	30.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	30.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	50.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	54.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	64.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	94.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	104.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	112.00	96.00	10	0% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	96.00	96.00	10	20% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	101.00	96.00	10	20% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	132.00	96.00	11	21% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	121.00	96.00	12	41% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	158.00	96.00	12	60% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	160.00	96.00	12	60% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	203.00	96.00	12	60% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	130.00	96.00	13	80% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	199.00	96.00	14	81% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	225.00	96.00	14	100% mortality	Lake & Hinch (1999)
Salmon (Coho)	J	20500.00	96.00	8	Stress response (decreased leukocrit)	Lake & Hinch (1999)
Salmon (Coho)	J	60500.00	96.00	8	Stress response (decreased leukocrit)	Lake & Hinch (1999)
Salmon (Coho)	J	100500.00	96.00	8	Stress response (decreased leukocrit)	Lake & Hinch (1999)
Salmon (Coho)	J	20500.00	96.00	6	No change in leukocrit	Lake & Hinch (1999)
Salmon (Coho)	J	60500.00	96.00	8	Stress response (decreased leukocrit)	Lake & Hinch (1999)
Salmon (Coho)	J	100500.00	96.00	8	Stress response (decreased leukocrit)	Lake & Hinch (1999)
Salmon (Coho)	J	20500.00	96.00	8	Increased blood hematocrit levels	Lake & Hinch (1999)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Coho)	J	60500.00	96.00	6	No change in blood hematocrit	Lake & Hinch (1999)
Salmon (Coho)	J	100500.00	96.00	8	Increased blood hematocrit levels	Lake & Hinch (1999)
Salmon (Chum)	J	90.00	15.00	3	Avoidance response	Martin et al. (1976)
Salmon (Chum)	J	3954.00	96.00	10	LC10 - 10% mortality	Martin et al. (1976)
Salmon (Chum)	J	241.00	96.00	12	LC50 - 50% mortality	Martin et al. (1976)
Salmon (Chum)	J	4311.00	96.00	14	LC90 - 90% mortality	Martin et al. (1976)
Salmon (Chum)	J	3056.00	15.00	0	No effect	Martin et al. (1976)
Trout (Rainbow)	J	4300.00	504.00	10	Very low mortality	Peddicord & McFarland (1978)
Bass (Striped)	J	1500.00	504.00	10	0% mortality (control 0%)	Peddicord & McFarland (1978)
Bass (Striped)	J	2300.00	504.00	11	35% mortality (control 0%)	Peddicord & McFarland (1978)
Bass (Striped)	J	500.00	504.00	11	0% mortality (control 0%)	Peddicord & McFarland (1978)
Bass (Striped)	J	700.00	504.00	11	0% mortality (control 0%)	Peddicord & McFarland (1978)
Bass (Striped)	J	1000.00	504.00	11	0% mortality (control 0%)	Peddicord & McFarland (1978)
Bass (Striped)	J	1500.00	504.00	11	0% mortality (control 0%)	Peddicord & McFarland (1978)
Salmon (Pink)	J	11400.00	96.00	11	28% mortality	Clarke (Not seen: pers. comm. cited by Servizi (1988))
Salmon (Pink)	J	7600.00	96.00	10	3% mortality	Clarke (Not seen: pers. comm. cited by Servizi (1988))
Salmon (Pink)	J	5800.00	96.00	10	0% mortality	Clarke (Not seen: pers. comm. cited by Servizi (1988))
Salmon (Pink)	J	3200.00	96.00	10	0% mortality	Clarke (Not seen: pers. comm. cited by Servizi (1988))
Salmon (Pink)	J	1600.00	96.00	10	0% mortality	Clarke (Not seen: pers. comm. cited by Servizi (1988))
Sturgeon (Atlantic)	J	250.00	72.00	10	4% mortality (control 0%)	Wilkens (2015)
Sturgeon (Atlantic)	J	100.00	72.00	10	0% mortality (control 0%)	Wilkens (2015)
Sturgeon (Atlantic)	J	250.00	72.00	10	0% mortality (control 0%)	Wilkens (2015)
Sturgeon (Atlantic)	J	500.00	72.00	10	12% mortality (control 0%)	Wilkens (2015)

Salmonid eggs and larvae (freshwater, group 4)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Chum)	E	111.00	2808	14	Mortality rate 89.3%. (control 6.2%)	Langer (1980)
Salmon (Coho)	EE	117.00	960	10	Mortality; deterioration of spawning gravel	Cederholm, Reid & Salo (1980)
Trout (Cutthroat)	EE	117.00	960	10	Mortality; deterioration of spawning gravel	Cederholm, Reid & Salo (1980)
Trout (Cutthroat)	EE	117.00	1440	0	No effect (10.9% fines vs 8.0% fines in spawning gravel), eyed egg to hatch	Cederholm, Reid & Salo (1980)
Salmon (Coho)	EE	117.00	2880	14	Mortality 97.4% (control 74.4%) eyed egg to button up, deterioration of spawning gravel	Cederholm, Reid & Salo (1980)
Salmon (Coho)	EE	117.00	1440	13	Mortality 75.3% (control 42.8%) eyed egg to hatch	Cederholm, Reid & Salo (1980)
Salmon (Coho)	EE	117.00	3600	13	Mortality 68.1 % (<20% fines)	Cederholm, Reid & Salo (1980)
Salmon (Coho)	EE	117.00	3600	14	Mortality 82.3% (>20% fines), deterioration of spawning gravel	Cederholm, Reid & Salo (1980)
Trout (Rainbow)	E	120.00	384	10	Density of fish reduced	Erman & Ligon (1988)
Trout (Rainbow)	E	99.00	768	13	Mortality rate 58.2% -69.3% (control 38.6%)	Erman & Ligon (1988)
Trout (Rainbow)	EE	18.00	216	10	3% mortality	Peters (1967)
Trout (Rainbow)	EE	79.00	216	11	22% mortality	Peters (1967)
Trout (Rainbow)	EE	167.00	216	12	54% mortality	Peters (1967)
Trout (Rainbow)	EE	186.00	216	13	70% mortality	Peters (1967)
Trout (Rainbow)	EE	319.00	216	12	47% mortality	Peters (1967)
Salmon (Chum)	EE	97.00	2808	13	76.1% mortality (control 6.2%)	Langer (1980)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Salmon (Chum)	EE	111.00	2808	14	89.3% mortality (control 6.2%)	Langer (1980)
Trout (Brown)	E	162.00	720	14	98.7% mortality (control 14.25%)	Scullion & Edwards (1980)
Trout (Brown)	E	12.00	720	14	86.7% mortality (control 14.25%)	Scullion & Edwards (1980)
Trout (Brown)	SF	162.00	720	14	99.7% mortality (control 15.95%)	Scullion & Edwards (1980)
Trout (Brown)	SF	12.00	720	14	97.9% mortality (control 15.95%)	Scullion & Edwards (1980)
Trout (Rainbow)	EE	1033.00	144	14	100% mortality (control 6%)	Campbell (1954)
Trout (Rainbow)	EE	1033.00	144	10	Mortality rate greater than controls (control 6%)	Campbell (1954)
Salmon (Coho)	F*	8100.00	96	10	1% mortality (LC1, control 0%)	Servizi & Martens (1991)
Grayling (Arctic)	E	11.00	336	12	Mortality rate 52.6%	Scannell (1988)
Grayling (Arctic)	E	31.00	336	10	Mortality rate 3.4%	Scannell (1988)
Grayling (Arctic)	E	174.00	336	10	Mortality rate 4.6%	Scannell (1988)
Grayling (Arctic)	E	265.00	336	10	Mortality rate 4%	Scannell (1988)
Grayling (Arctic)	E	71.00	336	13	Mortality rate 62.6%	Scannell (1988)
Grayling (Arctic)	E	191.00	336	10	Mortality rate 19.4%	Scannell (1988)
Grayling (Arctic)	E	78.00	336	11	Mortality rate 28%	Scannell (1988)
Grayling (Arctic)	E	3.00	14	14	92.58% mortality	Scannell (1988)
Grayling (Arctic)	E	5.00	14	14	95.38% mortality	Scannell (1988)
Grayling (Arctic)	E	141.00	14	14	93.96% mortliaty	Scannell (1988)
Grayling (Arctic)	E	274.00	14	14	93.98% mortality	Scannell (1988)
Grayling (Arctic)	E	256.00	14	14	95.38% mortality	Scannell (1988)
Grayling (Arctic)	E	151.00	14	14	98.52% mortality	Scannell (1988)
Grayling (Arctic)	E	1295.00	14	14	92.58% mortality	Scannell (1988)
Grayling (Arctic)	E	6.00	24	14	99.9% mortality	Scannell (1988)
Grayling (Arctic)	E	20.00	24	14	99.9% mortality	Scannell (1988)
Grayling (Arctic)	E	45.00	24	14	99.92% mortality	Scannell (1988)
Grayling (Arctic)	E	143.00	24	14	99.94% mortality	Scannell (1988)
Grayling (Arctic)	E	322.00	24	14	99.9% mortality	Scannell (1988)
Grayling (Arctic)	E	778.00	24	14	97.02% mortality	Scannell (1988)
Grayling (Arctic)	E	94.00	24	14	97.02% mortality	Scannell (1988)
Grayling (Arctic)	E	49.00	24	14	95.02% mortality	Scannell (1988)
Grayling (Arctic)	E	20.00	14	14	87.9% mortality	Scannell (1988)
Grayling (Arctic)	E	30.00	14	14	92.58% mortality	Scannell (1988)
Grayling (Arctic)	E	43.00	14	14	95.3% mortality	Scannell (1988)
Grayling (Arctic)	E	248.00	14	14	93.9% mortality	Scannell (1988)
Grayling (Arctic)	E	392.00	14	14	95.26% mortality	Scannell (1988)
Grayling (Arctic)	E	433.00	14	14	98.58% mortality	Scannell (1988)
Grayling (Arctic)	E	575.00	14	14	93.96% mortality	Scannell (1988)
Grayling (Arctic)	E	1109.00	14	14	92.64% mortality	Scannell (1988)
Grayling (Arctic)	E	1251.00	14	13	71.2% mortality	Scannell (1988)
Grayling (Arctic)	E	22.00	24	14	99.92% mortality	Scannell (1988)
Grayling (Arctic)	E	32.00	24	14	99.92% mortality	Scannell (1988)
Grayling (Arctic)	E	84.00	24	14	99.92% mortality	Scannell (1988)
Grayling (Arctic)	E	123.00	24	14	96.98% mortality	Scannell (1988)
Grayling (Arctic)	E	19.00	24	14	94.98% mortality	Scannell (1988)
Grayling (Arctic)	E	271.00	24	14	99.92% mortality	Scannell (1988)
Grayling (Arctic)	E	389.00	24	14	99.92% mortality	Scannell (1988)
Grayling (Arctic)	E	439.00	24	14	99.94% mortality	Scannell (1988)
Grayling (Arctic)	E	461.00	24	14	96.98% mortality	Scannell (1988)
Salmon (Steelhead)	EE	37.00	1488	12	Egg mortality rate 58%	Slaney et al. (1977a)
Salmon (Steelhead)	EE	73.00	1488	10	Egg mortality rate 15%	Slaney et al. (1977a)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	EE	18.00	1488	11	Egg mortality rate 36%	Slaney et al. (1977a)
Trout (Rainbow)	EE	57.00	744	12	Egg mortality rate 47%	Slaney et al. (1977a)
Trout (Rainbow)	EE	552.00	67	12	Hatch success 50%	Slaney et al. (1977a)
Trout (Rainbow)	EE	1618.00	120	12	Hatch success 50%	Slaney et al. (1977a)
Trout (Rainbow)	E	21.00	1152	13	Mortality rate 72%	Slaney et al. (1977a)
Herring (Lake)	L	3.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	8.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	11.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	16.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	18.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	21.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	24.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	28.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	1.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	3.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	8.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	11.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	16.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	18.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	21.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	24.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	28.00	1488	10	No difference in mortality (per least squares regression coefficient)	Swenson & Matson (1976)
Herring (Lake)	L	1.00	1488	3	Depth preference changed	Swenson & Matson (1976)
Herring (Lake)	L	1.00	1488	3	Depth preference changed	Swenson & Matson (1976)
Herring (Lake)	L	3.00	1488	3	Depth preference changed	Swenson & Matson (1976)
Herring (Lake)	L	8.00	1488	3	Depth preference changed	Swenson & Matson (1976)
Herring (Lake)	L	11.00	1488	3	Depth preference changed	Swenson & Matson (1976)
Herring (Lake)	L	16.00	1488	3	Depth preference changed	Swenson & Matson (1976)
Herring (Lake)	L	18.00	1488	3	Depth preference changed	Swenson & Matson (1976)
Trout (Rainbow)	EE	23.00	1440	10	Mortality rate 14.6% (control 16.5%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	101.00	1440	14	Mortality rate 97.9% (control 16.5%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	218.00	1440	14	Mortality rate 97.9% (control 16.5%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	282.00	1440	14	Mortality rate 97.9% (control 16.5%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	186.00	1440	14	Mortality rate 97.9% (control 16.5%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	101.00	1440	14	Mortality rate 97.9% (control 16.5%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	4.00	1440	14	Mortality rate 97.9% (control 16.5%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	4.00	2184	10	Mortality rate 9% (control 9%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	19.00	2184	11	Mortality rate 29% (control 9%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	101.00	2184	11	Mortality rate 34% (control 9%)	Turnpenny & Williams (1980)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Trout (Rainbow)	EE	118.00	2184	13	Mortality rate 79% (control 9%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	186.00	2184	14	Mortality rate 100% (control 9%)	Turnpenny & Williams (1980)
Trout (Rainbow)	EE	155.00	2184	14	Mortality rate 100% (control 9%)	Turnpenny & Williams (1980)
Herring (Lake)	L	0.25	1488	0	No behavioral effect	Swenson (1978)
Herring (Lake)	L	2.00	1488	0	No behavioral effect	Swenson (1978)
Herring (Lake)	L	3.00	1488	0	No behavioral effect	Swenson (1978)
Herring (Lake)	L	7.00	1488	0	No behavioral effect	Swenson (1978)
Herring (Lake)	L	9.00	1488	0	No behavioral effect	Swenson (1978)
Herring (Lake)	L	12.00	1488	0	No behavioral effect	Swenson (1978)
Salmon (Sockeye)	E	44.00	912	0	No change in fertilization success	Galbraith et al. (2006)
Salmon (Sockeye)	E	798.00	912	10	Fertilization success decreased 0.8%	Galbraith et al. (2006)
Salmon (Sockeye)	E	1828.00	912	10	Fertilization success decreased 0.1%	Galbraith et al. (2006)
Salmon (Sockeye)	E	6621.00	912	11	Fertilization success decreased 21.6%	Galbraith et al. (2006)
Salmon (Sockeye)	E	128.00	1128	0	No change in fertilization success	Galbraith et al. (2006)
Salmon (Sockeye)	E	46943.00	1128	14	Fertilization success decreased 85.3%	Galbraith et al. (2006)
Salmon (Sockeye)	E	71.00	1128	0	No change in fertilization success	Galbraith et al. (2006)
Salmon (Sockeye)	E	7691.00	1128	11	Fertilization success decreased 27.3%	Galbraith et al. (2006)
Salmon (Sockeye)	E	38231.00	1128	12	Fertilzation success decreased 61.3%	Galbraith et al. (2006)
Salmon (Coho)	E	22.00	912	0	No change in fertilization success	Galbraith et al. (2006)
Salmon (Coho)	E	4095.00	912	11	Fertilization success decreased 33.2%	Galbraith et al. (2006)
Salmon (Coho)	E	28835.00	912	12	Fertilization success decreased 49.2%	Galbraith et al. (2006)
Trout (Cutthroat)	E	2.00	888	11	Mortality rate 21.7%	Cederholm& Lestelle (1974)
Trout (Cutthroat)	E	2.00	888	10	Mortality rate 9.7%	Cederholm& Lestelle (1974)
Trout (Steelhead)	E	2.00	888	12	Mortality rate 42.8%	Cederholm& Lestelle (1974)
Trout (Steelhead)	E	2.00	888	10	Mortality rate 17.2%	Cederholm& Lestelle (1974)
Salmon (Atlantic)	E	6000.00	600	8	Oxygen consumption reduced 41%	Greig et al. (2005)
Salmon (Atlantic)	E	10000.00	600	8	Oxygen consumption reduced 96%	Greig et al. (2005)
Salmon (Atlantic)	E	2000.00	600	8	Oxygen consumption reduced 14%	Greig et al. (2005)
Salmon (Atlantic)	E	4000.00	600	8	Oxygen consumption reduced 40%	Greig et al. (2005)
Salmon (Atlantic)	E	8000.00	600	8	Oxygen consumption reduced 80%	Greig et al. (2005)
Trout (Rainbow)	EE	13.00	744	10	Mortality rate 5%	Peters (1962)
Trout (Rainbow)	EE	118.00	744	11	Mortality rate 39%	Peters (1962)
Trout (Rainbow)	EE	142.00	744	14	Mortality rate 90%	Peters (1962)
Trout (Rainbow)	EE	282.00	744	14	Mortality rate 100%	Peters (1962)
Trout (Rainbow)	EE	246.00	744	14	Mortality rate 100%	Peters (1962)
Trout (Rainbow)	EE	18.00	1152	11	Mortality rate 36% (control 27%)	Slaney et al. (1977b)
Trout (Rainbow)	EE	57.00	1488	12	Mortality rate 47% (control 27%)	Slaney et al. (1977b)
Steelhead	EE	37.00	1488	12	Mortality rate 58% (control 22.5%)	Slaney et al. (1977b)
Steelhead	EE	73.00	1488	10	Mortality rate 15% (control 22.5%)	Slaney et al. (1977b)
Trout (Rainbow)	EE	7.00	1152	11	Mortality rate over 40%	Slaney et al. (1977b)
Trout (Rainbow)	EE	47.00	1152	14	Mortality rate 100%	Slaney et al. (1977b)
Grayling (Arctic)	SF	25.00	24	10	Mortality rate 5.7%	J. LaPerriere (copied from Newcombe & Jensen (1996))
Grayling (Arctic)	SF	22.00	48	10	Mortality rate 14.0%	J. LaPerriere (copied from Newcombe & Jensen (1996))
Grayling (Arctic)	SF	65.00	24	10	Mortality rate 15.0%	J. LaPerriere (copied from Newcombe & Jensen (1996))
Grayling (Arctic)	SF	22.00	72	10	Mortality rate 14.7%	J. LaPerriere (copied from Newcombe & Jensen (1996))
Grayling (Arctic)	SF	20.00	96	10	Mortality rate 13.4%	J. LaPerriere (copied from Newcombe & Jensen (1996))
Grayling (Arctic)	SF	142.00	48	11	Mortality rate 26%	J. LaPerriere (copied from Newcombe & Jensen (1996))

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Grayling (Arctic)	SF	185.00	72	12	Mortality rate 41.3%	J. LaPerriere (copied from Newcombe & Jensen (1996))
Grayling (Arctic)	SF	230.00	96	12	Mortality rate 47%	J. LaPerriere (copied from Newcombe & Jensen (1996))
Salmon (Coho)	E	1330.00	48	14	Mortality rate 97.6% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1330.00	168	14	Mortality rate 99.2% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1330.00	336	14	Mortality rate 99% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1176.00	1008	14	Mortality rate 99.8% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1176.00	1200	14	Mortality rate 99.8% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1176.00	1728	14	Mortality rate 97.8% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1330.00	528	14	Mortality rate 86.6% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1330.00	720	14	Mortality rate 91.6% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1176.00	888	14	Mortality rate 92.4% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1176.00	1056	14	Mortality rate 98.4% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1176.00	1392	14	Mortality rate 99.2% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	1176.00	1728	14	Mortality rate 100% (control 83.8%)	Shaw & Maga (1943)
Salmon (Coho)	E	157.00	1728	14	Mortality rate 100% (control 83.8%)	Shaw & Maga (1943)

Nonsalmonid eggs and larvae (estuarine, group 4)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Herring (Blueback)	E	50	168	11	Mortality rate 24% (control 20%)	Auld & Schubel (1978)
Herring (Blueback)	E	100	168	11	Mortality rate 24% (control 23%)	Auld & Schubel (1978)
Herring (Blueback)	E	500	168	11	Mortality rate 36% (control 26%)	Auld & Schubel (1978)
Herring (Blueback)	E	1000	168	11	Mortality rate 29% (control 23%)	Auld & Schubel (1978)
Alewife	E	50	168	10	Mortality rate 18% (Control 18%)	Auld & Schubel (1978)
Alewife	E	100	168	10	Mortality rate 17% (control 16%)	Auld & Schubel (1978)
Alewife	E	500	168	11	Mortality rate 23% (control 18%)	Auld & Schubel (1978)
Alewife	E	1000	168	11	Mortality rate 22% (control 16%)	Auld & Schubel (1978)
Shad (American)	E	50	168	10	Mortality rate 3% (control 2%)	Auld & Schubel (1978)
Shad (American)	E	100	168	10	Mortality rate 17% (control 13%)	Auld & Schubel (1978)
Shad (American)	E	500	168	10	Mortality rate 19% (control 13%	Auld & Schubel (1978)
Shad (American)	E	1000	168	11	Mortality rate 27% (control 20%)	Auld & Schubel (1978)
Perch (White)	E	50	168	11	Mortality rate 26% (control 32%)	Auld & Schubel (1978)
Perch (White)	E	100	168	11	Mortality rate 29% (control 29%)	Auld & Schubel (1978)
Perch (White)	E	500	168	11	Mortality rate 31% (control 32%)	Auld & Schubel (1978)
Perch (White)	E	1000	168	12	Mortality rate 51% (control 31%)	Auld & Schubel (1978)
Bass (Striped)	E	50	168	11	Mortality rate 36% (control 30%)	Auld & Schubel (1978)
Bass (Striped)	E	100	168	10	Mortality rate 20% (control 22%)	Auld & Schubel (1978)
Bass (Striped)	E	500	168	10	Mortality rate 20% (control 18%)	Auld & Schubel (1978)
Bass (Striped)	E	1000	168	11	Mortality rate 22% (control 14%)	Auld & Schubel (1978)
Bass (Striped)	E	1000	168	10	Reduced hatching success	Auld & Schubel (1978)
Perch (Yellow)	E	50	168	10	Mortality rate 2% (control 10%)	Auld & Schubel (1978)
Perch (Yellow)	E	100	168	10	Mortality rate 7% (control 10%)	Auld & Schubel (1978)
Perch (Yellow)	E	500	168	10	Mortality rate 4% (control 11%)	Auld & Schubel (1978)
Perch (Yellow)	E	1000	168	10	Mortality rate 8% (control 9%)	Auld & Schubel (1978)
Shad (American)	L	50	96	10	Mortality rate 7% (control 5%)	Auld & Schubel (1978)
Shad (American)	L	100	96	10	Mortality rate 18% (control 5%)	Auld & Schubel (1978)
Shad (American)	L	500	96	11	Mortality rate 36% (control 4%)	Auld & Schubel (1978)
Shad (American)	L	1000	96	11	Mortality rate 34% (control 5%)	Auld & Schubel (1978)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Bass (Striped)	L	50	60	11	Mortality rate 28% (control 35%)	Auld & Schubel (1978)
Bass (Striped)	L	100	65	10	Mortality rate 17% (control 19%)	Auld & Schubel (1978)
Bass (Striped)	L	500	68	12	Mortality rate 42% (control 17%)	Auld & Schubel (1978)
Bass (Striped)	L	1000	69	11	Mortality rate 35% (control 18%)	Auld & Schubel (1978)
Perch (Yellow)	L	50	96	10	Mortality rate 10% (control 7%)	Auld & Schubel (1978)
Perch (Yellow)	L	100	96	10	Mortality rate 17% (control 7%)	Auld & Schubel (1978)
Perch (Yellow)	L	500	96	11	Mortality rate 37% (control 7%)	Auld & Schubel (1978)
Perch (Yellow)	L	1000	96	11	Mortality rate 38% (control 7%)	Auld & Schubel (1978)
Herring (Pacific)	L	2000	2	4	Feeding rate reduced	Boehlert & Morgan (1985)
Herring (Pacific)	L	500	2	0	Increase in feeding rate - 85% feeding (control 52%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	1000	2	0	Increase in feeding rate - 85% feeding (control 52%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	2000	2	4	Decrease in feeding rate as SSC increased- 75% feeding (control 52%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	4000	2	4	Decrease in feeding rate as SSC increased- 65% feeding (control 52%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	8000	2	4	Decrease in feeding rate as SSC increased- 45% feeding (control 52%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	500	2	0	Increase in feeding rate - 82% feeding (control 34%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	1000	2	0	Increase in feeding rate - 90% feeding (control 34%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	2000	2	4	Decrease in feeding rate as SSC increased- 84% feeding (control 34%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	4000	2	4	Decrease in feeding rate as SSC increased- 78% feeding (control 34%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	8000	2	4	Decrease in feeding rate as SSC increased- 77% feeding (control 34%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	500	2	0	Increase in feeding rate - 60% feeding (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	1000	2	4	Decrease in feeding rate as SSC increased - 45% (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	2000	2	4	Decrease in feeding rate as SSC increased - 18% (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	4000	2	4	Decrease in feeding rate as SSC increased - 20% (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	8000	2	4	Decrease in feeding rate as SSC increased - 2% (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	500	2	0	Increase in feeding rate - 65% feeding (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	1000	2	4	Decrease in feeding rate as SSC increased - 15% (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	2000	2	4	Decrease in feeding rate as SSC increased - 10% (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	4000	2	4	Decrease in feeding rate as SSC increased - 0% (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	8000	2	4	Decrease in feeding rate as SSC increased - 5% (control 38%)	Boehlert & Morgan (1985)
Herring (Pacific)	L	500	24	8	Abraded epidermis, less distinct microridges	Boehlert (1983)
Herring (Pacific)	L	1000	24	8	Abraded epidermis, less distinct microridges	Boehlert (1983)
Herring (Pacific)	L	2000	24	8	Mechanical damage to epidermis	Boehlert (1983)
Herring (Pacific)	L	4000	24	8	Mechanical damage to epidermis	Boehlert (1983)
Herring (Pacific)	L	8000	24	8	Mechanical damage to epidermis	Boehlert (1983)
Herring (Pacific)	L	500	24	8	Some mechanical damage to epidermis	Boehlert (1983)
Herring (Pacific)	L	1000	24	8	Mechanical damage to epidermis, punctured	Boehlert (1983)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Herring (Pacific)	L	2000	24	8	Mechanical damage to epidermis, punctured	Boehlert (1983)
Herring (Pacific)	L	4000	24	8	Epidermis torn and punctured, microridges less distinct	Boehlert (1983)
Herring (Pacific)	L	8000	24	8	Epidermis torn and punctured, microridges less distinct	Boehlert (1983)
Herring (Pacific)	L	2433	24	10	Mortality rate 5.40% (including control)	Boehlert (1983)
Herring (Pacific)	L	2433	24	10	Mortality rate 5.28% (including control)	Boehlert (1983)
Herring (Atlantic)	L	4	3	0	No effect on feeding rate	Johnson & Wildish (1982)
Herring (Atlantic)	L	8	3	0	No effect on feeding rate	Johnson & Wildish (1982)
Herring (Atlantic)	L	20	3	4	Reduced feeding rate	Johnson & Wildish (1982)
Herring (Atlantic)	L	10	3	3	Depth preference changed	Johnson & Wildish (1982)
Herring (Atlantic)	L	20	3	3	Depth preference changed	Johnson & Wildish (1982)
Perch (white)	E	50	24	10	No effect on percent hatched	Morgan et al. (1973)
Perch (white)	E	1000	24	10	No effect on percent hatched	Morgan et al. (1973)
Perch (white)	E	1500	24	10	No effect on percent hatched	Morgan et al. (1973)
Perch (white)	E	2000	24	10	No effect on percent hatched	Morgan et al. (1973)
Perch (white)	E	3250	24	10	No effect on percent hatched	Morgan et al. (1973)
Perch (white)	E	4000	24	10	No effect on percent hatched	Morgan et al. (1973)
Perch (white)	E	5250	24	10	No effect on percent hatched	Morgan et al. (1973)
Perch (white)	E	2000	24	9	Development rate slowed signficantly (80% on control)	Morgan et al. (1973)
Perch (white)	E	3250	24	9	Development rate slowed signficantly (80% on control)	Morgan et al. (1973)
Perch (white)	E	4000	24	9	Development rate slowed signficantly	Morgan et al. (1973)
Perch (white)	E	5250	24	9	Development rate slowed signficantly (65% on control)	Morgan et al. (1973)
Bass (Striped)	E	20	24	10	No effect on percent hatched	Morgan et al. (1973)
Bass (Striped)	E	150	24	10	No effect on percent hatched	Morgan et al. (1973)
Bass (Striped)	E	400	24	10	No effect on percent hatched	Morgan et al. (1973)
Bass (Striped)	E	600	24	10	No effect on percent hatched	Morgan et al. (1973)
Bass (Striped)	E	900	24	10	Slight decline in percent hatched	Morgan et al. (1973)
Bass (Striped)	E	1050	24	10	Slight decline in percent hatched	Morgan et al. (1973)
Bass (Striped)	E	1500	24	10	Slight decline in percent hatched	Morgan et al. (1973)
Bass (Striped)	E	2000	24	10	Slight decline in percent hatched	Morgan et al. (1973)
Bass (Striped)	E	2300	24	10	Slight decline in percent hatched	Morgan et al. (1973)
Bass (Striped)	E	1500	24	9	Development rate slowed signficantly (80% of control)	Morgan et al. (1973)
Bass (Striped)	E	2000	24	9	Development rate slowed signficantly (80% of control)	Morgan et al. (1973)
Bass (Striped)	E	2300	24	9	Development rate slowed signficantly (80% of control)	Morgan et al. (1973)
Perch (white)	L	5200	6	0	No effect observed	Morgan et al. (1973)
Bass (Striped)	L	5200	6	0	No effect observed	Morgan et al. (1973)
Perch (white)	L	1626	24	11	27.3% mortality (contol %)	Morgan et al. (1973)
Perch (white)	L	5380	24	11	29.3% mortality (control %)	Morgan et al. (1973)
Perch (white)	L	1626	48	11	22.6% mortality (contol %)	Morgan et al. (1973)
Perch (white)	L	5380	48	13	62.0% mortality (control %)	Morgan et al. (1973)
Perch (white)	L	11642	24	12	50% mortality (LD50)	Morgan et al. (1973)
Perch (white)	L	2680	48	12	50% mortality (LD50)	Morgan et al. (1973)
Bass (Striped)	L	1557	24	10	20.0% mortality (contol %)	Morgan et al. (1973)
Bass (Striped)	L	5210	24	11	27.3% mortality (control %)	Morgan et al. (1973)
Bass (Striped)	L	1557	48	11	38.7% mortality (contol %)	Morgan et al. (1973)
Bass (Striped)	L	5210	48	13	66% mortality (control %)	Morgan et al. (1973)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Bass (Striped)	L	7846	24	12	50% mortality (LD50)	Morgan et al. (1973)
Bass (Striped)	L	3411	48	12	50% mortality (LD50)	Morgan et al. (1973)
Perch (white)	E	127	24	10	96% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	250	24	10	96 % hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	382	24	10	87% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	498	24	10	85% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	995	24	10	84% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	1500	24	10	86% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	1900	24	10	88% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	2200	24	10	86% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	2750	24	10	89% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	3200	24	10	88% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	4000	24	10	85% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	5250	24	10	88% hatched (% of controls)	Morgan et al. (1983)
Perch (white)	E	127	24	9	Development rate slowed signficantly (98% of control)	Morgan et al. (1983)
Perch (white)	E	250	24	9	Development rate slowed signficantly (98% of control)	Morgan et al. (1983)
Perch (white)	E	382	24	9	Development rate slowed signficantly (97% of control)	Morgan et al. (1983)
Perch (white)	E	498	24	9	Development rate slowed signficantly (96% of control)	Morgan et al. (1983)
Perch (white)	E	995	24	9	Development rate slowed signficantly (85% of control)	Morgan et al. (1983)
Perch (white)	E	1500	24	9	Development rate slowed signficantly (82% of control)	Morgan et al. (1983)
Perch (white)	E	1900	24	9	Development rate slowed signficantly (79% of control)	Morgan et al. (1983)
Perch (white)	E	2200	24	9	Development rate slowed signficantly (78% of control)	Morgan et al. (1983)
Perch (white)	E	2750	24	9	Development rate slowed signficantly (77% of control)	Morgan et al. (1983)
Perch (white)	E	3200	24	9	Development rate slowed signficantly (76% of control)	Morgan et al. (1983)
Perch (white)	E	4000	24	9	Development rate slowed signficantly (65% of control)	Morgan et al. (1983)
Perch (white)	E	5250	24	9	Development rate slowed signficantly (58% of control)	Morgan et al. (1983)
Perch (white)	L	1626	24	10	15% mortality	Morgan et al. (1983)
Perch (white)	L	2438	24	10	16% mortality	Morgan et al. (1983)
Perch (white)	L	3022	24	10	17% mortality	Morgan et al. (1983)
Perch (white)	L	5380	24	10	19% mortality	Morgan et al. (1983)
Perch (white)	L	1626	48	11	23% mortality	Morgan et al. (1983)
Perch (white)	L	2438	48	11	25% mortality	Morgan et al. (1983)
Perch (white)	L	3022	48	12	43% mortality	Morgan et al. (1983)
Perch (white)	L	5380	48	12	49% mortality	Morgan et al. (1983)
Bass (Striped)	E	95	24	10	82% hatched (% of controls)	Morgan et al. (1983)
Bass (Striped)	E	265	24	10	80% hatched (% of controls)	Morgan et al. (1983)
Bass (Striped)	E	595	24	10	84% hatched (% of controls)	Morgan et al. (1983)
Bass (Striped)	E	890	24	11	65% hatched (% of controls)	Morgan et al. (1983)
Bass (Striped)	E	1100	24	12	56% hatched (% of controls)	Morgan et al. (1983)
Bass (Striped)	E	1600	24	11	62% hatched (% of controls)	Morgan et al. (1983)
Bass (Striped)	E	1900	24	11	68% hatched (% of controls)	Morgan et al. (1983)
Bass (Striped)	E	2300	24	11	62% hatched (% of controls)	Morgan et al. (1983)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Bass (Striped)	E	95	24	9	Development rate slowed signficantly (89% of control)	Morgan et al. (1983)
Bass (Striped)	E	265	24	9	Development rate slowed signficantly (98% of control)	Morgan et al. (1983)
Bass (Striped)	E	595	24	9	Development rate slowed signficantly (98% of control)	Morgan et al. (1983)
Bass (Striped)	E	890	24	9	Development rate slowed signficantly (60% of control)	Morgan et al. (1983)
Bass (Striped)	E	1100	24	9	Development rate slowed signficantly (58% of control)	Morgan et al. (1983)
Bass (Striped)	E	1600	24	9	Development rate slowed signficantly (52% of control)	Morgan et al. (1983)
Bass (Striped)	E	1900	24	9	Development rate slowed signficantly (50% of control)	Morgan et al. (1983)
Bass (Striped)	E	2300	24	9	Development rate slowed signficantly (52% of control)	Morgan et al. (1983)
Bass (Striped)	L	1626	24	10	20% mortality	Morgan et al. (1983)
Bass (Striped)	L	2438	24	11	21% mortality	Morgan et al. (1983)
Bass (Striped)	L	3022	24	11	21% mortality	Morgan et al. (1983)
Bass (Striped)	L	5380	24	11	31% mortality	Morgan et al. (1983)
Bass (Striped)	L	1626	48	11	25% mortality	Morgan et al. (1983)
Bass (Striped)	L	2438	48	11	29% mortality	Morgan et al. (1983)
Bass (Striped)	L	3022	48	11	37% mortality	Morgan et al. (1983)
Bass (Striped)	L	5380	48	12	57% mortality	Morgan et al. (1983)
Bass (Striped)	L	5200	12	10	0% mortality	Morgan et al. (1983)
Perch (white)	L	5200	12	10	0% mortality	Morgan et al. (1983)
Bass (Striped)	L	20417	24	12	50% mortality (LDC50)	Morgan et al. (1983)
Perch (white)	L	67000	24	12	50% mortality (LDC50)	Morgan et al. (1983)
Bass (Striped)	L	6292	48	12	50% mortality (LDC50)	Morgan et al. (1983)
Perch (white)	L	6900	48	12	50% mortality (LDC50)	Morgan et al. (1983)
Perch (White)	E	50	69	11	Egg mortality 30.3% (control 32.7%)	Auld & Schubel (1974)
Perch (White)	E	100	69	11	Egg mortality 31.1% (control 32.7%)	Auld & Schubel (1974)
Perch (White)	E	500	69	11	Egg mortality 39.4% (control 32.7%)	Auld & Schubel (1974)
Perch (White)	E	1000	69	12	Egg mortality 50.6% (control 32.7%)	Auld & Schubel (1974)
Snapper (Pink)	E	32	12	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	100	12	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	320	12	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	1000	12	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	3200	12	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	10000	12	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	32	24	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	100	24	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	320	24	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	1000	24	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	E	3200	24	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Snapper (Pink)	E	10000	24	0	No sediment adhesion to egg; No apparent effect on egg	Partridge & Michael (2010)
Snapper (Pink)	L	32	12	10	Closed-mouth larvae mortality rate 8%	Partridge & Michael (2010)
Snapper (Pink)	L	100	12	10	Closed-mouth larvae mortality rate 16%	Partridge & Michael (2010)
Snapper (Pink)	L	320	12	10	Closed-mouth larvae mortality rate 2%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	12	11	Closed-mouth larvae mortality rate 31%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	12	13	Closed-mouth larvae mortality rate 66%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	12	14	Closed-mouth larvae mortality rate 81%	Partridge & Michael (2010)
Snapper (Pink)	L	2020	12	12	Closed-mouth larvae mortality rate 50%	Partridge & Michael (2010)
Snapper (Pink)	L	32	12	11	Open-mouth larvae mortality rate 23%	Partridge & Michael (2010)
Snapper (Pink)	L	100	12	12	Open-mouth larvae mortality rate 41%	Partridge & Michael (2010)
Snapper (Pink)	L	320	12	12	Open-mouth larvae mortality rate 55%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	12	14	Open-mouth larvae mortality rate 88%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	12	14	Open-mouth larvae mortality rate 88%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	12	14	Open-mouth larvae mortality rate 88%	Partridge & Michael (2010)
Snapper (Pink)	L	157	12	12	Open-mouth larvae mortality rate 50%	Partridge & Michael (2010)
Snapper (Pink)	L	32	3	10	Open-mouth larvae mortality rate 8%	Partridge & Michael (2010)
Snapper (Pink)	L	100	3	10	Open-mouth larvae mortality rate 2%	Partridge & Michael (2010)
Snapper (Pink)	L	320	3	10	Open-mouth larvae mortality rate 10%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	3	10	Open-mouth larvae mortality rate 6%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	3	10	Open-mouth larvae mortality rate 9%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	3	10	Open-mouth larvae mortality rate 20%	Partridge & Michael (2010)
Snapper (Pink)	L	32	12	10	Open-mouth larvae mortality rate 18%	Partridge & Michael (2010)
Snapper (Pink)	L	100	12	11	Open-mouth larvae mortality rate 33%	Partridge & Michael (2010)
Snapper (Pink)	L	320	12	14	Open-mouth larvae mortality rate 82%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	12	14	Open-mouth larvae mortality rate 91%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	12	14	Open-mouth larvae mortality rate 91%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	12	14	Open-mouth larvae mortality rate 88%	Partridge & Michael (2010)
Snapper (Pink)	L	142	12	12	Open-mouth larvae mortality rate 50%	Partridge & Michael (2010)
Snapper (Pink)	L	32	18	10	Open-mouth larvae mortality rate 9%	Partridge & Michael (2010)
Snapper (Pink)	L	100	18	11	Open-mouth larvae mortality rate 26%	Partridge & Michael (2010)
Snapper (Pink)	L	320	18	12	Open-mouth larvae mortality rate 56%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	18	14	Open-mouth larvae mortality rate 83%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	18	14	Open-mouth larvae mortality rate 81%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	18	14	Open-mouth larvae mortality rate 83%	Partridge & Michael (2010)
Snapper (Pink)	L	270	18	12	Open-mouth larvae mortality rate 50%	Partridge & Michael (2010)
Snapper (Pink)	L	32	3	10	Open-mouth larvae mortality rate 2%	Partridge & Michael (2010)
Snapper (Pink)	L	100	3	10	No observed mortality	Partridge & Michael (2010)
Snapper (Pink)	L	320	3	10	Open-mouth larvae mortality rate 19%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	3	11	Open-mouth larvae mortality rate 29%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	3	10	Open-mouth larvae mortality rate 6%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	3	10	Open-mouth larvae mortality rate 19%	Partridge & Michael (2010)
Snapper (Pink)	L	320	6	12	Open-mouth larvae mortality rate 43%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	6	12	Open-mouth larvae mortality rate 45%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	6	11	Open-mouth larvae mortality rate 39%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	6	11	Open-mouth larvae mortality rate 23%	Partridge & Michael (2010)
Snapper (Pink)	L	100	9	10	Open-mouth larvae mortality rate 5%	Partridge & Michael (2010)
Snapper (Pink)	L	320	9	12	Open-mouth larvae mortality rate 48%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	9	14	Open-mouth larvae mortality rate 81%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	9	13	Open-mouth larvae mortality rate 64%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	9	14	Open-mouth larvae mortality rate 88%	Partridge & Michael (2010)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Snapper (Pink)	L	502	9	12	Open-mouth larvae mortality rate 50%	Partridge & Michael (2010)
Snapper (Pink)	L	32	12	10	Open-mouth larvae mortality rate 6%	Partridge & Michael (2010)
Snapper (Pink)	L	100	12	10	Open-mouth larvae mortality rate 6%	Partridge & Michael (2010)
Snapper (Pink)	L	320	12	11	Open-mouth larvae mortality rate 21%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	12	13	Open-mouth larvae mortality rate 68%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	12	14	Open-mouth larvae mortality rate 97%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	12	14	Open-mouth larvae mortality rate 98%	Partridge & Michael (2010)
Snapper (Pink)	L	214	12	12	Open-mouth larvae mortality rate 50%	Partridge & Michael (2010)
Snapper (Pink)	L	32	3	10	Open-mouth larvae mortality post 9h recovery 3%	Partridge & Michael (2010)
Snapper (Pink)	L	100	3	10	Open-mouth larvae mortality post 9h recovery 12%	Partridge & Michael (2010)
Snapper (Pink)	L	320	3	10	Open-mouth larvae mortality post 9h recovery 20%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	3	12	Open-mouth larvae mortality post 9h recovery 41%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	3	12	Open-mouth larvae mortality post 9h recovery 51%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	3	11	Open-mouth larvae mortality post 9h recovery 38%	Partridge & Michael (2010)
Snapper (Pink)	L	32	6	10	Open-mouth larvae mortality post 9h recovery 7%	Partridge & Michael (2010)
Snapper (Pink)	L	100	6	10	Open-mouth larvae mortality post 9h recovery 1%	Partridge & Michael (2010)
Snapper (Pink)	L	320	6	10	Open-mouth larvae mortality post 9h recovery 4%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	6	12	Open-mouth larvae mortality post 9h recovery 46%	Partridge & Michael (2010)
Snapper (Pink)	L	3200	6	12	Open-mouth larvae mortality post 9h recovery 59%	Partridge & Michael (2010)
Snapper (Pink)	L	10000	6	13	Open-mouth larvae mortality post 9h recovery 64%	Partridge & Michael (2010)
Snapper (Pink)	L	32	9	10	Open-mouth larvae mortality post 9h recovery 6%	Partridge & Michael (2010)
Snapper (Pink)	L	100	9	11	Open-mouth larvae mortality post 9h recovery 21%	Partridge & Michael (2010)
Snapper (Pink)	L	320	9	11	Open-mouth larvae mortality post 9h recovery 29%	Partridge & Michael (2010)
Snapper (Pink)	L	1000	9	12	Open-mouth larvae mortality post 9h recovery 58%	Partridge & Michael (2010)
Snapper (Pink)	L	32	12	10	Open-mouth larvae mortality post 9h recovery 12%	Partridge & Michael (2010)
Snapper (Pink)	L	100	12	10	Open-mouth larvae mortality post 9h recovery 16%	Partridge & Michael (2010)
Snapper (Pink)	L	320	12	12	Open-mouth larvae mortality post 9h recovery 47%	Partridge & Michael (2010)
Snapper (Pink)	L	50	240	4	Larvae ingested less prey (14 Gladioferens imparipes, control 15)	Partridge & Michael (2010)
Snapper (Pink)	L	100	240	4	Larvae ingested less prey (13 Gladioferens imparipes, control 15)	Partridge & Michael (2010)
Snapper (Pink)	L	200	240	4	Larvae ingested less prey (10 Gladioferens imparipes, control 15)	Partridge & Michael (2010)
Snapper (Pink)	L	50	360	4	Larvae ingested less prey (6 Gladioferens imparipes, control 11)	Partridge & Michael (2010)
Snapper (Pink)	L	100	360	4	Larvae ingested less prey (7 Gladioferens imparipes, control 11)	Partridge & Michael (2010)
Snapper (Pink)	L	200	360	4	Larvae ingested less prey (3 Gladioferens imparipes, control 11)	Partridge & Michael (2010)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Perch (White)	L	3730	24	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Perch (White)	L	1550	48	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Bass (Striped)	L	4850	24	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Bass (Striped)	L	2800	48	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Bass (Striped)	L	600	44	8	0.5% increase in hematocrit values	Sherk et al. (1975)
Bass (Striped)	L	1500	336	8	25.2% increase in hematocrit values	Sherk et al. (1975)
Bass (Striped)	L	600	44	8	6.8% decrease in hemoglobin concentration	Sherk et al. (1975)
Bass (Striped)	L	600	44	8	5.5% increase in erythrocyte counts	Sherk et al. (1975)
Bass (Striped)	L	600	44	8	4.4% decrease in plasma osmolality	Sherk et al. (1975)
Bass (Striped)	L	1500	336	8	5.7% increase in plasma osmolality	Sherk et al. (1975)
Herring (Pacific)	E	65	2	0	No change in fertilization and hatching success	Griffin et al. (2009)
Herring (Pacific)	E	125	2	11	Decrease in fertilization and hatching success	Griffin et al. (2009)
Herring (Pacific)	E	250	2	11	Decrease in fertilization and hatching success	Griffin et al. (2009)
Herring (Pacific)	E	500	2	11	Decrease in fertilization and hatching success	Griffin et al. (2009)
Herring (Pacific)	E	65	2	0	No change in fertilization and hatching success, abnormalities present	Griffin et al. (2009)
Herring (Pacific)	E	125	2	9	Fertilization and hatching success decreased, abnormalities present	Griffin et al. (2009)
Herring (Pacific)	E	250	2	9	Fertilization and hatching success decreased, abnormalities present	Griffin et al. (2009)
Herring (Pacific)	E	500	2	9	Fertilization and hatching success decreased, abnormalities present	Griffin et al. (2009)
Herring (Pacific)	L	500	2	9	Reduced hatch size (5mm, control 6mm)	Griffin et al. (2009)
Herring (Pacific)	L	500	2	9	Reduced hatch size (6mm, control 8mm)	Griffin et al. (2009)
Herring (Pacific)	L	500	2	9	Reduced hatch size (6mm, control 9mm)	Griffin et al. (2009)
Herring (Pacific)	L	500	2	8	Increased yolk sac size	Griffin et al. (2009)
Herring (Pacific)	L	500	2	12	Decreased post-hatch survival (87 larvae dead, 54 control larvae dead)	Griffin et al. (2009)

Adult nonsalmonids (estuarine or river-estuarine, group 5)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Rasbora (harlequin)	A	40000	24.00	10	Fish died (BC)	Alabaster & Lloyd (1980)
Rasbora (harlequin)	A	6000	168.00	10	No mortality	Alabaster & Lloyd (1980)
Shad (American)	A	100	0.25	3	Change in preferred swimming depth	Dadswell et al. (1983)
Toadfish (Oyster)	A	2200	3.00	5	No effect on oxygen consumption	Neumann et al. (1975)
Toadfish (Oyster)	A	1580	3.00	5	No effect on oxygen consumption	Neumann et al. (1975)
Toadfish (Oyster)	A	3360	1.00	8	Oxygen consumption more variable in prestressed fish	Neumann et al. (1975)
Toadfish (Oyster)	A	11090	72.00	9	Latent ill effects manifested in subsequent test at low SS	Neumann et al. (1975)
Toadfish (Oyster)	A	10370	72.00	5	No latent effect manifested in subsequent test in filtered water	Neumann et al. (1975)
Toadfish (Oyster)	A	14600	72.00	8	Fish largely unaffected, but developed latent ill effects	Neumann et al. (1975)
Toadfish (Oyster)	A	1580	3.00	8	Male respiration rate greater than female	Neumann et al. (1975)
Anchovy (Bay)	A	2310	24.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Anchovy (Bay)	A	4710	24.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Anchovy (Bay)	A	9600	24.00	14	90% mortality (LC90, FE)	Sherk et al. (1975)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Killifish (Striped)	A	23770	24.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Killifish (Striped)	A	38190	24.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Killifish (Striped)	A	61360	24.00	14	90% mortality (LC90, FE)	Sherk et al. (1975)
Killifish (Striped)	A	97200	24.00	10	10% mortality (LC10)	Sherk et al. (1975)
Killifish (Striped)	A	128200	24.00	12	50% mortality (LC50)	Sherk et al. (1975)
Killifish (Striped)	A	169300	24.00	14	90% mortality (LC90)	Sherk et al. (1975)
Mummichog	A	24470	24.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Mummichog	A	39000	24.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Mummichog	A	62170	24.00	14	90% mortality (LC90, FE)	Sherk et al. (1975)
Perch (white)	A	3050	24.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Perch (white)	A	9850	24.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Perch (white)	A	31810	24.00	14	90% mortality (LC90, FE)	Sherk et al. (1975)
Perch (white)	A	670	48.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Perch (white)	A	2960	48.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Perch (white)	A	13060	48.00	14	90% mortality (LC90, FE)	Sherk et al. (1975)
Silverside (Atlantic)	A	580	24.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Silverside (Atlantic)	A	2500	24.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Silverside (Atlantic)	A	10000	24.00	14	90% mortality (LC90, FE)	Sherk et al. (1975)
Spot	A	13090	24.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Spot	A	20340	24.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Spot	A	68750	24.00	10	10% mortality (LC10)	Sherk et al. (1975)
Spot	A	88000	24.00	12	50% mortality (LC50)	Sherk et al. (1975)
Spot	A	112630	24.00	14	90% mortality (LC90)	Sherk et al. (1975)
Spot	A	1140	48.00	10	10% mortality (LC10, FE)	Sherk et al. (1975)
Spot	A	1890	48.00	12	50% mortality (LC50, FE)	Sherk et al. (1975)
Spot	A	3170	48.00	14	90% mortality (LC90, FE)	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Hematocrit increased	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Erythrocyte count increased	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Hemoglobin concentration increased	Sherk et al. (1975)
Perch (white)	A	650	120.00	5	Plasma Osmolarita decreased	Sherk et al. (1975)
Hogchoker	A	1240	120.00	8	Hematocrit increased	Sherk et al. (1975)
Hogchoker	A	1240	120.00	8	Energy utilization increased	Sherk et al. (1975)
Hogchoker	A	1240	120.00	8	Erythrocyte count increased	Sherk et al. (1975)
Killifish (Striped)	A	960	120.00	8	Hematocrit increased	Sherk et al. (1975)
Spot	A	1270	120.00	8	Hematocrit decreased	Sherk et al. (1975)
Spot	A	1270	120.00	8	Hemoglobin concentration increased	Sherk et al. (1975)
Spot	A	1270	120.00	8	Erythrocyte count increased	Sherk et al. (1975)
Perch (white)	A	650	120.00	5	No increase in size of gill goblet cells	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Increase of gill mucus goblet cells	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Abnormalities of gill secondary lamellae observed	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Gill Lamellae appeared swollen	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Gill epithelium separated from pilar cell tube/lamellar structure	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Enlarged gill epithelial cells	Sherk et al. (1975)
Perch (white)	A	3050	24.00	9	Significant adverse effect on gill tissue	Sherk et al. (1975)
Perch (white)	A	3050	120.00	8	Gill tissue may have been damaged	Sherk et al. (1975)
Perch (white)	A	650	120.00	8	Histological damage to gill tissue	Sherk et al. (1975)
Mummichog	A	300000	24.00	10	0% mortality	Rogers (1969)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Minnow (sheepshead)	A	300000	24.00	11	30% mortality	Rogers (1969)
Stickleback (fourspine)	A	52000	24.00	12	50% mortality (LD50)	Rogers (1969)
Cunner	A	100000	24.00	12	50% mortality (LD50, 15.0 C, KS)	Rogers (1969)
Cunner	A	133000	12.00	12	50% mortality (LD50, 15.0 C, KS)	Rogers (1969)
Cunner	A	100000	24.00	12	50% mortality (LD50, 15.0 C, KS)	Rogers (1969)
Cunner	A	72000	48.00	12	50% mortality (LD50, 15.0 C, KS)	Rogers (1969)
Cunner	A	17210	12.00	10	0.15% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	133050	12.00	10	2.3% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	214710	12.00	10	11.9% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	17080	24.00	10	0.18% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	37650	24.00	10	1.21% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	40480	24.00	10	0.7% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	99500	24.00	10	3.23% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	130890	24.00	10	4.2% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	210580	24.00	10	13.13% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	17350	48.00	10	0.11% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	17360	48.00	10	0.73% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	40850	48.00	10	1.19% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	77200	48.00	10	0.72% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	99490	48.00	10	3.29% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	134910	48.00	10	13.36% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	209250	48.00	14	95.33% mortality (15.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	7700	24.00	10	15.37% mortality (15.0-16.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	8560	24.00	11	30.54% mortality (15.0-16.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	18600	24.00	12	54.11% mortality (15.0-16.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	18740	24.00	12	59.09% mortality (15.0-16.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	39200	24.00	13	74.13% mortality (15.0-16.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	39630	24.00	14	89.52% mortality (15.0-16.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	58810	24.00	14	89.6% mortality (15.0-16.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	59960	24.00	14	100% mortality (15.0-16.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	9380	24.00	10	0% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	22300	24.00	10	19.16% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	22460	24.00	11	24.8% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	37790	24.00	11	24.69% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	53710	24.00	12	44.96% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	55130	24.00	12	49.94% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	55140	24.00	13	65.34% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	99010	24.00	13	79.55% mortality (11.0 C, KS)	Rogers (1969)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Stickleback (fourspine)	A	99300	24.00	14	89.74% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	198290	24.00	14	94.23% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	200060	24.00	14	96.6% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	299010	24.00	14	99.57% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	300160	24.00	14	95.01% mortality (11.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	57440	24.00	10	11.1% mortality (9.0-9.5 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	101020	24.00	10	15.12% mortality (9.0-9.5 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	200170	24.00	12	40.21% mortality (9.0-9.5 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	301130	24.00	11	39.05% mortality (9.0-9.5 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	330000	24.00	12	50% mortality (LD50, 9.0-9.5 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	53000	24.00	12	50% mortality (LD50, 10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	18300	24.00	12	50% mortality (LD50, 15.0-16.0 C, KS)	Rogers (1969)
Cunner	A	100000	24.00	12	50% mortality (LD50, 15.0 C, KS)	Rogers (1969)
Cunner	A	28000	24.00	12	50% mortality (LD50, 20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	40510	24.00	13	60.29% mortality (20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	40950	24.00	11	35.73% mortality (20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	73620	24.00	13	69.69% mortality (20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	85730	24.00	14	80.23% mortality (20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	99200	24.00	14	80.25% mortality (20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	98780	24.00	14	100.32% mortality (20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	118640	24.00	14	89.43% mortality (20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	103970	24.00	10	6.37% mortality (20.0-25.0 C, KS)	Rogers (1969)
Cunner	A	10010	24.00	10	1.18% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	17710	24.00	10	0.61% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	37510	24.00	11	20.52% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	41960	24.00	10	10.78% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	74310	24.00	10	10.43% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	99460	24.00	12	49.45% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	133520	24.00	12	59.63% mortality (15.0 C, KS)	Rogers (1969)
Cunner	A	210000	24.00	14	90% mortality (15.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	10060	24.00	10	0.3% mortality (19.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	16190	24.00	10	10.42% mortality (19.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	31880	24.00	10	0.06% mortality (19.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	54610	24.00	11	20.17% mortality (19.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	99150	24.00	14	90% mortality (19.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	10910	24.00	10	0% mortality (15.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	56620	24.00	10	0% mortality (15.0 C, KS)	Rogers (1969)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Minnow (sheepshead)	A	56950	24.00	10	5.63% mortality (15.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	99400	24.00	10	0% mortality (15.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	196940	24.00	10	10.49% mortality (15.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	201140	24.00	10	10.53% mortality (15.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	299440	24.00	10	0% mortality (15.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	299360	24.00	11	30.44% mortality (15.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	9100	24.00	10	0% mortality (KS, 10-12 C)	Rogers (1969)
Stickleback (fourspine)	A	23400	24.00	11	20.7% mortality (KS, 10.0-12.0 C)	Rogers (1969)
Stickleback (fourspine)	A	24400	24.00	11	24.9% mortality (KS, 10.0-12.0 C)	Rogers (1969)
Stickleback (fourspine)	A	37500	24.00	11	24.9% mortality (KS, 10.0-12.0 C)	Rogers (1969)
Stickleback (fourspine)	A	55000	24.00	12	44.9% mortality (KS, 10.0-12.0 C)	Rogers (1969)
Stickleback (fourspine)	A	55200	24.00	12	49.9% mortality (KS, 10.0-12.0 C)	Rogers (1969)
Stickleback (fourspine)	A	55100	24.00	13	64.7% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	98500	24.00	14	89.4% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	195300	24.00	14	94.3% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	198000	24.00	14	95.5% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	298600	24.00	14	95.2% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	298000	24.00	14	100% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	98400	24.00	13	78.8% mortality (10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	9100	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	18100	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	41500	24.00	10	10.3% mortality (10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	74600	24.00	10	10% mortality (10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	99000	24.00	12	50% mortality (10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	133300	24.00	12	59.5% mortality (10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	208100	24.00	14	90.2% mortality (10.0-12.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	9100	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	55600	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	100100	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	199900	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	200300	24.00	10	10.6% mortality (10.0-12.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	201600	24.00	10	9.2% mortality (10.0-12.0 C, KS)	Rogers (1969)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Minnow (sheepshead)	A	300400	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Minnow (sheepshead)	A	300200	24.00	11	30.3% mortality (10.0-12.0 C, KS)	Rogers (1969)
Mummichog	A	9100	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Mummichog	A	56000	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Mummichog	A	100500	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Mummichog	A	200600	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Mummichog	A	299600	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	53000	24.00	12	50% mortality (LD50, 10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	100000	24.00	12	50% mortality (LD50, 15.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	510	24.00	10	1.33% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	1170	24.00	10	0% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	4150	24.00	10	5.63% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	1970	24.00	11	30.07% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	3130	24.00	12	45.04% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	3280	24.00	12	59.85% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	2620	24.00	14	94.67% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	3500	24.00	14	95.11% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	4150	24.00	14	100% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	4660	24.00	14	100% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	5100	24.00	14	100% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	5760	24.00	14	100% mortality (12.0-16.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	9910	24.00	14	100% mortality (12.0-16.0 C, IA)	Rogers (1969)
Cunner	A	13340	24.00	10	0% mortality (16.4 C, IA)	Rogers (1969)
Cunner	A	13340	24.00	12	40.15% mortality (16.4 C, IA)	Rogers (1969)
Cunner	A	23620	24.00	12	49.33% mortality (16.4 C, IA)	Rogers (1969)
Cunner	A	23830	24.00	14	89.78% mortality (16.4 C, IA)	Rogers (1969)
Cunner	A	13410	24.00	14	100% mortality (16.4 C, IA)	Rogers (1969)
Cunner	A	23830	24.00	14	100% mortality (16.4 C, IA)	Rogers (1969)
Cunner	A	42060	24.00	14	89.63% mortality (16.4 C, IA)	Rogers (1969)
Cunner	A	42130	24.00	14	97.93% mortality (16.4 C, IA)	Rogers (1969)
Cunner	A	41980	24.00	14	100% mortality (16.4 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	2110	24.00	10	0.18% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	1230	24.00	10	0.72% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	3510	24.00	10	4.85% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	2460	24.00	11	29.26% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	4210	24.00	12	44.7% mortality (10.0-12.0 C, IA)	Rogers (1969)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Stickleback (fourspine)	A	4390	24.00	12	59.78% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	3860	24.00	14	94.79% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	5610	24.00	14	94.97% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	5610	24.00	14	100% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	7020	24.00	14	100% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	8950	24.00	14	100% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	11050	24.00	14	100% mortality (10.0-12.0 C, IA)	Rogers (1969)
Stickleback (fourspine)	A	10350	24.00	10	0% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	24210	24.00	10	19.57% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	24210	24.00	11	24.42% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	38250	24.00	11	24.24% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	56840	24.00	12	43.27% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	56320	24.00	12	48.83% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	55790	24.00	12	57.63% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	100530	24.00	13	76.66% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	100700	24.00	14	87.97% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	200000	24.00	14	91.92% mortality (10.0-12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	200000	24.00	14	91.92% mortality (10.0-12.0 C, KS)	Rogers (1969)
Cunner	A	13370	24.00	10	0% mortality (15.0-16.0 C, IA)	Rogers (1969)
Cunner	A	13570	24.00	12	40.08% mortality (15.0-16.0 C, IA)	Rogers (1969)
Cunner	A	24390	24.00	12	49.9% mortality (15.0-16.0 C, IA)	Rogers (1969)
Cunner	A	24580	24.00	14	89.78% mortality (15.0-16.0 C, IA)	Rogers (1969)
Cunner	A	13770	24.00	14	100% mortality (15.0-16.0 C, IA)	Rogers (1969)
Cunner	A	24580	24.00	14	100% mortality (15.0-16.0 C, IA)	Rogers (1969)
Cunner	A	42280	24.00	14	100% mortality (15.0-16.0 C, IA)	Rogers (1969)
Cunner	A	43270	24.00	14	100% mortality (15.0-16.0 C, IA)	Rogers (1969)
Cunner	A	9440	24.00	10	0% mortality (15.0-16.0 C, KS)	Rogers (1969)
Cunner	A	18290	24.00	10	0% mortality (15.0-16.0 C, KS)	Rogers (1969)
Cunner	A	42280	24.00	10	9.62% mortality (15.0-16.0 C, KS)	Rogers (1969)
Cunner	A	38350	24.00	10	19.24% mortality (15.0-16.0 C, KS)	Rogers (1969)
Cunner	A	74930	24.00	10	9.22% mortality (15.0-16.0 C, KS)	Rogers (1969)
Cunner	A	134920	24.00	12	57.92% mortality (15.0-16.0 C, KS)	Rogers (1969)
Cunner	A	210000	24.00	14	87.17% mortality (15.0-16.0 C, KS)	Rogers (1969)
Cunner	A	9640	24.00	10	0% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	13570	24.00	10	0% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	18290	24.00	10	0% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	23800	24.00	10	0% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	14160	24.00	10	10.02% mortality (15.0-16.0 C, KA)	Rogers (1969)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Cunner	A	37760	24.00	10	0% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	41890	24.00	11	20.04% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	55850	24.00	10	0% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	75130	24.00	10	8.82% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	99520	24.00	10	0% mortality (15.0-16.0 C, KA)	Rogers (1969)
Cunner	A	99710	24.00	12	48.7% mortality (15.0-16.0 C, KA)	Rogers (1969)
Mummichog	A	300000	24.00	10	0% mortality (12.0 C, KS)	Rogers (1969)
Mummichog	A	100000	24.00	10	Mortality occurred	Rogers (1969)
Mummichog	A	25400	24.00	10	4.59% mortality (12.0 C, DE)	Rogers (1969)
Mummichog	A	50490	24.00	10	9.64% mortality (12.0 C, DE)	Rogers (1969)
Mummichog	A	73730	24.00	10	14.84% mortality (12.0 C, DE)	Rogers (1969)
Mummichog	A	99160	24.00	14	85.3% mortality (12.0 C, DE)	Rogers (1969)
Mummichog	A	10460	24.00	10	0% mortality (12.0 C, KS)	Rogers (1969)
Mummichog	A	54770	24.00	10	0% mortality (12.0 C, KS)	Rogers (1969)
Mummichog	A	99080	24.00	10	0% mortality (12.0 C, KS)	Rogers (1969)
Mummichog	A	199400	24.00	10	0% mortality (12.0 C, KS)	Rogers (1969)
Mummichog	A	299400	24.00	10	0% mortality (12.0 C, KS)	Rogers (1969)
Stickleback (fourspine)	A	10000	25.00	14	99.54% mortality (control 0%, 12.5 C, Glass powder)	Rogers (1969)
Stickleback (fourspine)	A	10000	25.00	14	81.74% mortality (control 0%, 12.5 C, DE)	Rogers (1969)
Stickleback (fourspine)	A	10000	48.00	14	81.57% mortality (control 0%, 12.5 C, DE)	Rogers (1969)
Stickleback (fourspine)	A	10000	72.00	14	81.41% mortality (control 0%, 12.5 C, DE)	Rogers (1969)
Stickleback (fourspine)	A	10000	95.00	14	86.02% mortality (control 0%, 12.5 C, DE)	Rogers (1969)
Stickleback (fourspine)	A	10000	119.00	14	86.18% mortality (control 0%, 12.5 C, DE)	Rogers (1969)
Stickleback (fourspine)	A	10000	143.00	14	90.64% mortality (control 0%, 12.5 C, DE)	Rogers (1969)
Stickleback (fourspine)	A	10000	26.00	10	18.8% mortality (control 0%, 12.5 C, Glass spheres)	Rogers (1969)
Stickleback (fourspine)	A	10000	49.00	11	22.92% mortality (control 0%, 12.5 C, Glass spheres)	Rogers (1969)
Stickleback (fourspine)	A	10000	73.00	11	28.01% mortality (control 0%, 12.5 C, Glass spheres)	Rogers (1969)
Stickleback (fourspine)	A	10000	95.00	11	27.52% mortality (control 0%, 12.5 C, Glass spheres)	Rogers (1969)
Stickleback (fourspine)	A	10000	119.00	11	27.51% mortality (control 0%, 12.5 C, Glass spheres)	Rogers (1969)
Stickleback (fourspine)	A	10000	144.00	11	27.39% mortality (control 0%, 12.5 C, Glass spheres)	Rogers (1969)
Stickleback (fourspine)	A	10000	25.00	10	9.87% mortality (control 0%, 12.5 C, Powdered charcol)	Rogers (1969)
Stickleback (fourspine)	A	10000	48.00	10	13.68% mortality (control 0%, 12.5 C, Powdered charcol)	Rogers (1969)
Stickleback (fourspine)	A	10000	72.00	10	14.65% mortality (control 0%, 12.5 C, Powdered charcol)	Rogers (1969)
Stickleback (fourspine)	A	10000	96.00	10	17.68% mortality (control 0%, 12.5 C, Powdered charcol)	Rogers (1969)
Stickleback (fourspine)	A	10000	119.00	10	18.13% mortality (control 0%, 12.5 C, Powdered charcol)	Rogers (1969)
Stickleback (fourspine)	A	10000	143.00	10	18.14% mortality (control 0%, 12.5 C, Powdered charcol)	Rogers (1969)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Stickleback (fourspine)	A	9790	24.00	10	15.84% mortality (13.5 C, KS, no access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	9730	24.00	11	30.99% mortality (13.5 C, KS, no access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	19420	24.00	12	55.75% mortality (13.5 C, KS, no access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	19020	24.00	13	60.28% mortality (13.5 C, KS, no access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	39350	24.00	13	73.46% mortality (13.5 C, KS, no access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	39050	24.00	14	89.95% mortality (13.5 C, KS, no access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	59040	24.00	14	89% mortality (13.5 C, KS, no access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	59210	24.00	14	100% mortality (13.5 C, KS, no access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	9010	24.00	10	0.66% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	9590	24.00	10	0% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	19470	24.00	11	20.23% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	19560	24.00	11	35.55% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	39350	24.00	11	25.15% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	39210	24.00	11	28% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	44020	24.00	12	54.94% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	44240	24.00	12	57.31% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	59040	24.00	14	89% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Stickleback (fourspine)	A	59210	24.00	14	100% mortality (13.5 C, KS, access to water surface)	Rogers (1969)
Cunner	A	41500	24.00	11	35.06% mortality (23 .0C, no supplemental oxygen)	Rogers (1969)
Cunner	A	41030	24.00	13	60.41% mortality (23.0 C, KS, no supplemental oxygen)	Rogers (1969)
Cunner	A	73920	24.00	13	68.86% mortality (23.0 C, KS, no supplemental oxygen)	Rogers (1969)
Cunner	A	74600	24.00	13	68.68% mortality (23.0 C, KS, no supplemental oxygen)	Rogers (1969)
Cunner	A	99480	24.00	13	79.35% mortality (23.0 C, KS, no supplemental oxygen)	Rogers (1969)
Cunner	A	99740	24.00	12	49.17% mortality (23.0 C, KS, no supplemental oxygen)	Rogers (1969)
Cunner	A	41490	24.00	10	14.23% mortality (23.0 C, KS, supplemental oxygen)	Rogers (1969)
Cunner	A	40890	24.00	12	44.58% mortality (23.0 C, KS, supplemental oxygen)	Rogers (1969)
Cunner	A	74480	24.00	11	34.35% mortality (23.0 C, KS, supplemental oxygen)	Rogers (1969)
Cunner	A	74440	24.00	12	49.02% mortality (23.0 C, KS, supplemental oxygen)	Rogers (1969)
Cunner	A	99350	24.00	12	44.18% mortality (23.0 C, KS, supplemental oxygen)	Rogers (1969)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Cunner	A	99270	24.00	12	54.02% mortality (23.0 C, KS, supplemental oxygen)	Rogers (1969)
Killifish (Gulf)	A	100	2.00	4	Feeding rate decreased to 60.5% of control (NTU)	Benfield & Minello (1996)
Atlantic Silverside	A	140000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Croaker	A	140000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Weakfish	A	140000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Perch (White)	A	140000	48.00	10	No mortality (0%)	O'Conner et al. (1976)
Spot	A	140000	48.00	10	No mortality (0%)	O'Conner et al. (1976)
Toadfish	A	140000	48.00	10	No mortality (0%)	O'Conner et al. (1976)
Mummichog	A	140000	48.00	10	No mortality (0%)	O'Conner et al. (1976)
Hogchoker	A	140000	48.00	10	No mortality (0%)	O'Conner et al. (1976)
Toadfish	A	140000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Mummichog	A	140000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Hogchoker	A	140000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Bass (Striped)	A	140000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Killifish (Striped)	A	140000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Toadfish	A	118000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Cusk Eel	A	118000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Hogchoker	A	118000	24.00	10	No mortality (0%)	O'Conner et al. (1976)
Bass (Striped)	A	16600	24.00	14	Mortality rate 100% (LC100)	O'Conner et al. (1976)
Spot	A	13080	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Anchovy (Bay)	A	2310	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Atlantic Silverside	A	570	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Mummichog	A	24470	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Killifish (Striped)	A	23770	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Perch (White)	A	9850	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Spot	A	20340	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Anchovy (Bay)	A	4710	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Atlantic Silverside	A	2400	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Mummichog	A	39000	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Killifish (Striped)	A	38180	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Perch (White)	A	31810	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Spot	A	31620	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Anchovy (Bay)	A	9600	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Atlantic Silverside	A	10000	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Mummichog	A	62170	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Killifish (Striped)	A	61360	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Spot	A	27560	12.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Spot	A	42360	12.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Spot	A	65120	12.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Spot	A	21070	18.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Spot	A	33060	18.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Spot	A	51870	18.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Spot	A	13080	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Spot	A	20340	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Spot	A	31620	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Spot	A	1130	48.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Spot	A	1900	48.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Spot	A	3170	48.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Spot	A	68750	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Killifish (Striped)	A	97100	24.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Spot	A	88000	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Killifish (Striped)	A	128200	24.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Spot	A	112630	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Killifish (Striped)	A	169300	24.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Mummichog	A	35890	48.00	10	Mortality rate 10% (LC10)	O'Conner et al. (1976)
Mummichog	A	45160	48.00	12	Mortality rate 50% (LC50)	O'Conner et al. (1976)
Mummichog	A	56890	48.00	14	Mortality rate 90% (LC90)	O'Conner et al. (1976)
Mummichog	A	125000	24.00	11	Fish mortality 38%	O'Conner et al. (1976)
Mummichog	A	109000	72.00	10	No fish mortality	O'Conner et al. (1976)
Toadfish (Oyster)	A	1580	72.00	0	No significant change in blood chemistry	Neumann et al. (1975)
Toadfish (Oyster)	A	2200	72.00	0	No significant change in blood chemistry	Neumann et al. (1975)
Toadfish (Oyster)	A	14600	72.00	0	No significant change in microhematocrit levels	Neumann et al. (1975)
Toadfish (Oyster)	A	14600	72.00	0	No significant change in hemoglobin levels	Neumann et al. (1975)
Toadfish (Oyster)	A	14600	72.00	0	No significant change in Erythrocyte count levels	Neumann et al. (1975)
Toadfish (Oyster)	A	14600	72.00	0	No significant change in Blood osmolal concentration levels	Neumann et al. (1975)
Toadfish (Oyster)	A	10370	72.00	0	No significant difference in oxygen consumption	Neumann et al. (1975)
Toadfish (Oyster)	A	11090	72.00	8	Oxygen consumption reduced	Neumann et al. (1975)
Toadfish (Oyster)	A	1580	72.00	5	Significant differences between male respiration rates and female respiration rates	Neumann et al. (1975)
Perch (White)	A	3050	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Perch (White)	A	670	48.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Spot	A	13090	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Spot	A	68750	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Spot	A	1140	48.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Silverside	A	580	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Anchovy (Bay)	A	2310	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Mummichog	A	24470	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Killifish (Striped)	A	23770	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Killifish (Striped)	A	97200	24.00	10	Mortality rate 10% (LC10)	Sherk et al. (1975)
Perch (White)	A	9850	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Perch (White)	A	2960	48.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Spot	A	20340	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Spot	A	88000	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Spot	A	1890	48.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Silverside	A	2500	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Anchovy (Bay)	A	4710	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Mummichog	A	39000	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Killifish (Striped)	A	38190	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Killifish (Striped)	A	128200	24.00	12	Mortality rate 50% (LC50)	Sherk et al. (1975)
Perch (White)	A	31810	24.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Perch (White)	A	3060	48.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Spot	A	112630	24.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Spot	A	3170	48.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Silverside	A	10000	24.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Anchovy (Bay)	A	9600	24.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Mummichog	A	62170	24.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Killifish (Striped)	A	61360	24.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Killifish (Striped)	A	169300	24.00	14	Mortality rate 90% (LC90)	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	17.7% increase in hematocrit values	Sherk et al. (1975)
Hogchoker	A	1240	120.00	8	27.6% increase in hematocrit values	Sherk et al. (1975)
Killifish (Striped)	A	960	120.00	8	29.7% increase in hematocrit values	Sherk et al. (1975)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Spot	A	1270	120.00	8	3.9% decrease in hematocrit values	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	15.1% increase in hemoglobin concentration	Sherk et al. (1975)
Spot	A	1270	120.00	8	6.7% increase in hemoglobin concentration	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	29.0% increase in erythrocyte counts	Sherk et al. (1975)
Hogchoker	A	1240	120.00	8	30.4% increase in erythrocyte counts	Sherk et al. (1975)
Spot	A	1270	120.00	8	5.4% increase in erythrocyte counts	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	2.8% increase in plasma osmolality	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	Increase in mucus goblet cells in gills	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	Secondary lamellae swollen with abnormalities	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	Epithelial cells enlarged	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	Epithelium separated from pilar cell tube	Sherk et al. (1975)
Perch (White)	A	650	120.00	8	Red blood cells increased	O'Connor et al. (1977)
Perch (White)	A	650	120.00	8	Microhematocrit increased	O'Connor et al. (1977)
Perch (White)	A	650	120.00	8	Hemoglobin concentration increased	O'Connor et al. (1977)
Perch (White)	A	650	120.00	8	Osmolality increased	O'Connor et al. (1977)
Hogchoker	A	1240	120.00	8	Red blood cells increased	O'Connor et al. (1977)
Hogchoker	A	1240	120.00	8	Microhematocrit increased	O'Connor et al. (1977)
Killifish (Striped)	A	960	120.00	8	Microhematocrit increased	O'Connor et al. (1977)
Mummichog	A	1620	96.00	8	Microhematocrit increased	O'Connor et al. (1977)
Mummichog	A	1620	168.00	8	Microhematocrit increased	O'Connor et al. (1977)
Mummichog	A	1620	288.00	8	Microhematocrit increased	O'Connor et al. (1977)
Spot	A	1270	120.00	8	Red blood cellls increased	O'Connor et al. (1977)
Spot	A	1270	120.00	8	Microhematocrit decreased	O'Connor et al. (1977)
Spot	A	1270	120.00	8	Hemoglobin concentration increased	O'Connor et al. (1977)
Bass (Striped)	A	600	264.00	8	Red blood cells slightly increased	O'Connor et al. (1977)
Bass (Striped)	A	600	264.00	8	Microhematocrit slightly increased	O'Connor et al. (1977)
Bass (Striped)	A	600	264.00	8	Hemoglobin concentrations decreased	O'Connor et al. (1977)
Bass (Striped)	A	600	264.00	8	Osmolality decreased	O'Connor et al. (1977)
Bass (Striped)	A	1500	336.00	8	Microhematocrit increased	O'Connor et al. (1977)
Bass (Striped)	A	1500	336.00	8	Osmolality increased	O'Connor et al. (1977)
Toadfish (Oyster)	A	14600	72.00	8	Red blood cells increased	O'Connor et al. (1977)
Toadfish (Oyster)	A	14600	72.00	8	Microhematocrit increased	O'Connor et al. (1977)
Toadfish (Oyster)	A	14600	72.00	8	Hemoglobin concentration slightly increased	O'Connor et al. (1977)
Toadfish (Oyster)	A	14600	72.00	8	Osmolality decreased	O'Connor et al. (1977)
Spot	A	15820	24.00	8	Red blood cells decreased	O'Connor et al. (1977)
Spot	A	15820	72.00	8	Red blood cells increased	O'Connor et al. (1977)
Spot	A	15820	168.00	5	No change in red blood cells	O'Connor et al. (1977)
Spot	A	15820	24.00	8	Microhematocrit increased	O'Connor et al. (1977)
Spot	A	15820	72.00	8	Microhematocrit decreased	O'Connor et al. (1977)
Spot	A	15820	168.00	5	No change in microhematocrit	O'Connor et al. (1977)
Spot	A	15820	24.00	8	Hemoglobin concentration slightly decreased	O'Connor et al. (1977)
Spot	A	15820	72.00	8	Hemoglobin concentration decreased	O'Connor et al. (1977)
Spot	A	15820	168.00	8	Hemoglobin concentration slightly decreased	O'Connor et al. (1977)
Spot	A	15820	24.00	8	Osmolality increased	O'Connor et al. (1977)
Spot	A	15820	72.00	8	Osmolality increased	O'Connor et al. (1977)
Spot	A	15820	168.00	8	Osmolality decreased	O'Connor et al. (1977)
Perch (White)	A	650	120.00	8	Mucus goblet cells appeared	O'Connor et al. (1977)
Perch (White)	A	650	120.00	8	Secondary lamellae swollen	O'Connor et al. (1977)
Perch (White)	A	650	120.00	8	Epithelium on secondary lamellae separated from pilar tube	O'Connor et al. (1977)
Perch (White)	A	650	120.00	8	Epithelial cells enlarged	O'Connor et al. (1977)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Hogchoker	A	1240	120.00	8	Liver glycogen concentrations decreased	O'Connor et al. (1977)
Bass (Striped)	A	790	3.00	5	Respiration increased	O'Connor et al. (1977)
Perch (White)	A	190	3.00	5	Respiration decreased	O'Connor et al. (1977)
Toadfish (Oyster)	A	1580	3.00	5	No change in respiration	O'Connor et al. (1977)
Anchovy (Bay)	A	9600	24.00	14	Mortality rate 90%	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Bass (Striped)	A	1500	336.00	8	Hematocrit increased	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Bass (Striped)	A	600	264.00	0	No effect	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Hogchoker	A	1240	120.00	8	Hematocrit increased	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Killifish (Striped)	A	960	24.00	8	Hematocrit increased	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Killifish (Striped)	A	23770	24.00	10	10% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Killifish (Striped)	A	38190	24.00	12	50% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Killifish (Striped)	A	61360	24.00	14	90% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Mummichog	A	24470	24.00	10	10% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Mummichog	A	39000	24.00	12	50% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Mummichog	A	62170	24.00	14	90% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Mummichog	A	35860	48.00	10	10% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Mummichog	A	45160	48.00	12	50% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Mummichog	A	56890	48.00	14	90% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Mummichog	A	1620	96.00	8	Hematocrit increased	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Perch (White)	A	9850	24.00	12	50% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Perch (White)	A	31810	24.00	14	90% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Perch (White)	A	670	48.00	10	10% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Perch (White)	A	2960	48.00	12	50% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Perch (White)	A	13060	48.00	14	90% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Silverside (Atlantic)	A	580	24.00	10	10% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Silverside (Atlantic)	A	2500	24.00	12	50% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Silverside (Atlantic)	A	10000	24.00	14	90% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Spot	A	13090	24.00	10	10% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Spot	A	20340	24.00	12	50% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Spot	A	31620	24.00	14	90% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Spot	A	1140	48.00	10	10% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Spot	A	1890	48.00	12	50% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Spot	A	3170	48.00	14	90% mortality	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Spot	A	1270	120.00	0	No effect	Sherk et al. (1974, copied from Wilber & Clarke (2001))
Perch (Shiner)	A	1000	96.00	10	Mortality rate 10%	McFarland & Peddicord (1980)
Perch (Shiner)	A	3000	96.00	10	Mortality rate 20%	McFarland & Peddicord (1980)
Perch (Shiner)	A	6000	96.00	11	Mortality rate 30%	McFarland & Peddicord (1980)
Sole (English)	A	10000	240.00	10	0% mortality	McFarland & Peddicord (1980)
Sole (English)	A	70000	240.00	10	0% mortality	McFarland & Peddicord (1980)
Sole (English)	A	117000	240.00	13	80% mortality	McFarland & Peddicord (1980)
Perch (Shiner)	A	3000	200.00	12	LC50 - 50% mortality	McFarland & Peddicord (1980)
Smelt	A	19	0.08	0	No effect	Wildish & Power (1985)
Smelt	A	22	0.08	3	Avoidance response	Wildish & Power (1985)
Smelt	A	24	0.03	3	Avoidance response	Wildish & Power (1985)
Smelt	A	40	0.06	3	Avoidance response	Wildish & Power (1985)
Smelt	A	14	0.08	0	No effect	Wildish & Power (1985)

Adult nonsalmonids (freshwater, group 6)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen- tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Bass (Largemouth)	A	73	2880.00	9	Weight gain reduced by 32.6%	Buck (1956)
Bass (Largemouth)	A	207	2880.00	9	Weight gain reduced by 79.36%	Buck (1956)
Bass (Largemouth)	A	73	2880.00	12	Reduced reproduction rates (66% reduction)	Buck (1956)
Bass (Largemouth)	A	100	2880.00	12	Reduced reproduction rates or unable to reproduce	Buck (1956)
Bass (Largemouth)	A	207	2880.00	14	Fish unable to reproduce	Buck (1956)
Bass (Largemouth)	A	207	2880.00	9	Growth and development retarded	Buck (1956)
Sunfish (redear)	A	73	2880.00	9	Weight gain reduced by 16.87%	Buck (1956)
Sunfish (redear)	A	207	2880.00	9	Weight gain reduced by 49.21%	Buck (1956)
Sunfish (redear)	A	73	2880.00	12	Reduced reproduction rates	Buck (1956)
Sunfish (redear)	A	100	2880.00	12	Reduced reproduction rates or unable to reproduce	Buck (1956)
Sunfish (redear)	A	207	2880.00	12	Reduced reproduction rates or unable to reproduce (85.7% reduction)	Buck (1956)
Sunfish (redear)	A	207	2880.00	9	Growth and development retarded	Buck (1956)
Bluegill	A	73	2880.00	9	Weight gain reduced 36.94%	Buck (1956)
Bluegill	A	207	2880.00	9	Weight gain reduced by 59.46%	Buck (1956)
Bluegill	A	73	2880.00	14	Fish unable to reproduce	Buck (1956)
Bluegill	A	100	2880.00	14	Fish unable to reproduce	Buck (1956)
Bluegill	A	207	2880.00	14	Fish unable to reproduce	Buck (1956)
Bluegill	A	73	2880.00	12	Reduced reproduction rates	Buck (1956)
Bluegill	A	100	2880.00	12	Reduced reproduction rates	Buck (1956)
Bluegill	A	207	2880.00	12	Reduced reproduction rates	Buck (1956)
Bluegill	A	207	2880.00	9	Growth and development retarded	Buck (1956)
Stickleback	A	99	1440.00	10	Density of fish reduced	Erman & Ligon (1988)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
(threespine)						
Sculpin (Prickly)	A	99	1440.00	10	Density of fish reduced	Erman & Ligon (1988)
Sculpin (Prickly)	A	99	1440.00	8	Poor condition, signs of starvation	Erman & Ligon (1988)
Fish	A	120	384.00	10	Density of fish reduced	Erman & Ligon (1988)
Stickleback (threespine)	A	120	384.00	10	Density of fish reduced	Erman & Ligon (1988)
Sculpin (Prickly)	A	120	384.00	10	Density of fish reduced	Erman & Ligon (1988)
Bluegill	A	60	0.05	4	Rate of feeding reduced by 20%	Gardner (1981)
Bluegill	A	120	0.05	4	Rate of feeding reduced by 27%	Gardner (1981)
Bluegill	A	190	0.05	4	Rate of feeding reduced by 46%	Gardner (1981)
Bluegill	A	60	0.05	0	No effect on prey size selection	Gardner (1981)
Bluegill	A	120	0.05	0	No effect on prey size selection	Gardner (1981)
Bluegill	A	190	0.05	0	No effect on prey size selection	Gardner (1981)
Bluegill	A	123	0.05	4	Rate of feeding reduced	Gardner (1981)
Creek Chub	A	4	48.00	3	Fish more active and less dependent on cover	Gradall & Swenson (1982)
Creek Chub	A	345	48.00	3	Prefered more turbid conditions	Gradall & Swenson (1982)
Fish	A	900	720.00	12	Fish absent or markedly reduced in abundance	Herbert & Richards (1962)
Fish	A	1000	720.00	12	Fish absent or markedly reduced in abundance	Herbert & Richards (1962)
Fish	A	20	720.00	0	Fish present and fish population not adversely affected	Herbert & Richards (1962)
Fish	A	60	720.00	0	Fish present and fish population not adversely affected	Herbert & Richards (1962)
Fish	A	400	720.00	0	Fish present and fish population not adversely affected	Herbert & Richards (1962)
Fish	A	40	720.00	0	Fish present and fish population not adversely affected	Herbert & Richards (1962)
Fish	A	100	720.00	0	Fish present and fish population not adversely affected	Herbert & Richards (1962)
Fish	A	60	720.00	0	Fish present and fish population not adversely affected	Herbert & Richards (1962)
Fish	A	50	720.00	0	Fish present and fish population not adversely affected	Herbert & Richards (1962)
Fish	A	620	48.00	10	Fish kills downstream from sediment sources	Hesse &Newcombe (1982)
Fish	A	14540	24.00	10	Fish kills downstream from sediment sources	Hesse &Newcombe (1982)
Fish	A	21875	24.00	10	Fish kills downstream from sediment sources	Hesse &Newcombe (1982)
Sunfish (Green)	A	3300	8.00	0	No effect on ventilation rate	Horkel & Pearson (1976)
Sunfish (Green)	A	6700	8.00	0	No effect on ventilation rate	Horkel & Pearson (1976)
Sunfish (Green)	A	13300	8.00	5	Rate of ventilation increased (sig)	Horkel & Pearson (1976)
Sunfish (Green)	A	17800	8.00	5	Rate of ventilation increased (sig)	Horkel & Pearson (1976)
Sunfish (Green)	A	26700	8.00	5	Rate of ventilation increased (sig)	Horkel & Pearson (1976)
Sunfish (Green)	A	3300	8.00	6	Decrease in fish movement (body movement traces from physiograph)	Horkel & Pearson (1976)
Sunfish (Green)	A	6700	8.00	6	Decrease in fish movement (body movement traces from physiograph)	Horkel & Pearson (1976)
Sunfish (Green)	A	13300	8.00	6	Decrease in fish movement (body movement traces from physiograph)	Horkel & Pearson (1976)
Sunfish (Green)	A	17800	8.00	6	Decrease in fish movement (body movement traces from physiograph)	Horkel & Pearson (1976)
Sunfish (Green)	A	26700	8.00	6	Decrease in fish movement (body movement traces from physiograph)	Horkel & Pearson (1976)
Fish	A	3000	240.00	10	Fish died	Kemp (1949)
Fish (warmwater)	A	22	8760.00	14	Fish populations destroyed	Menzel et al. (1984)
Stickleback (threespine)	A	219	720.00	14	Population decimated	Scullion & Edwards (1980)
Minnow	A	1244	720.00	14	Population decimated	Scullion & Edwards (1980)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
(common)						
Carp (Common)	A	212500	0.02	11	Mortality rate 33.3%	Wallen (1951)
Carp (Common)	A	165000	0.02	6	Fish gulped air	Wallen (1951)
Carp (Common)	A	105000	0.02	11	Mortality rate 33.3%	Wallen (1951)
Carp (Common)	A	122500	0.02	3	Fish recovered completely in clear water	Wallen (1951)
Goldfish	A	20000	0.02	3	Fish swam to surface	Wallen (1951)
Goldfish	A	105000	0.02	10	Mortality rate 12.5%	Wallen (1951)
Goldfish	A	175000	0.02	8	Fish swam to surface, floated on side	Wallen (1951)
Goldfish	A	222500	0.02	3	Fish stayed at surface	Wallen (1951)
Goldfish	A	222500	0.02	12	Mortality rate 47.9%	Wallen (1951)
Goldfish	A	70000	0.02	3	Fish recovered completely in clear water	Wallen (1951)
Shiner (Golden)	A	20000	0.02	0	No effect	Wallen (1951)
Shiner (Golden)	A	35000	0.02	5	Fish showed signs of respiratory distress	Wallen (1951)
Shiner (Golden)	A	75000	0.02	10	Some mortality	Wallen (1951)
Shiner (Golden)	A	120000	0.02	10	Some mortality	Wallen (1951)
Shiner (Golden)	A	170000	0.02	14	Mortality rate 100%	Wallen (1951)
Shiner (Golden)	A	100000	0.02	5	Fish cleared sediment from gills	Wallen (1951)
Shiner (Red)	A	100000	0.02	3	Fish surfaced once	Wallen (1951)
Shiner (Red)	A	125000	0.02	3	Fish swam to surface	Wallen (1951)
Shiner (Red)	A	162500	0.02	8	Fish swam to surface, floated on side	Wallen (1951)
Shiner (Red)	A	182500	0.02	14	Mortality rate 100%	Wallen (1951)
Minnow (Plains)	A	50000	0.02	6	Fish showed signs of mild distress	Wallen (1951)
Minnow (Plains)	A	105000	0.02	14	Mortality rate 100%	Wallen (1951)
Minnow (Plains)	A	105000	0.02	8	Sediment present in gills, digestive tracks	Wallen (1951)
Minnow (Plains)	A	150000	0.02	0	Fish recovered completely in clear water	Wallen (1951)
Mosquitofish	A	40000	0.02	6	Fish showed signs of mild distress	Wallen (1951)
Mosquitofish	A	60000	0.02	3	Fish swam to surface	Wallen (1951)
Mosquitofish	A	115000	0.02	10	Mortality rate 9.8%	Wallen (1951)
Mosquitofish	A	115000	0.02	3	Avoidance response	Wallen (1951)
Mosquitofish	A	187500	0.02	14	Mortality rate 90.1%	Wallen (1951)
Mosquitofish	A	200000	0.02	0	Fish recovered completely in clear water	Wallen (1951)
Bass (Largemouth)	A	20000	0.02	1	Fish showed alarm response	Wallen (1951)
Bass (Largemouth)	A	50000	0.02	8	Fish floated on side	Wallen (1951)
Bass (Largemouth)	A	101000	0.02	14	Mortality rate 100%	Wallen (1951)
Bass (Largemouth)	A	101000	0.02	7	Gills covered in sediment	Wallen (1951)
Sunfish (Green)	A	20000	0.02	1	Fish displayed mild reactions	Wallen (1951)
Sunfish (Green)	A	50000	0.02	1	Fish showed mild symptoms	Wallen (1951)
Sunfish (Green)	A	80000	0.02	10	Mortality rate 2.3%	Wallen (1951)
Sunfish (Green)	A	210000	0.02	13	Some mortality	Wallen (1951)
Sunfish (Green)	A	175000	0.02	3	Fish showed avoidance response	Wallen (1951)
Shiner (Golden)	A	166000	170.00	14	Mortality rate 100%	Wallen (1951)
Mosquitofish	A	181500	396.00	14	Mortality rate 100%	Wallen (1951)
Goldfish	A	197000	288.00	14	Mortality rate 100%	Wallen (1951)
Sunfish (Green)	A	166500	132.00	14	Mortality rate 100%	Wallen (1951)
Minnow (Plains)	A	96000	324.00	14	Mortality rate 100%	Wallen (1951)
Shiner (Red)	A	183000	216.00	14	Mortality rate 100%	Wallen (1951)
Carp (Common)	A	165000	230.00	14	Mortality rate 100%	Wallen (1951)
Bass (Largemouth)	A	101000	182.00	14	Mortality rate 100%	Wallen (1951)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Pumpkinseed	A	69000	312.00	14	Mortality rate 100%	Wallen (1951)
Sunfish (Orangespotted)	A	157000	240.00	14	Mortality rate 100%	Wallen (1951)
Catfish (Channel)	A	85000	223.00	14	Mortality rate 100%	Wallen (1951)
Blackstripe Topminnow	A	175000	456.00	14	Mortality rate 100%	Wallen (1951)
Black Crappie	A	145000	48.00	14	Mortality rate 100%	Wallen (1951)
Bass (Rock)	A	38250	84.00	14	Mortality rate 100%	Wallen (1951)
Shiner (Golden)	A	115000	408.00	10	No mortality	Wallen (1951)
Shiner (Golden)	A	150000	120.00	10	No mortality	Wallen (1951)
Mosquitofish	A	135000	408.00	10	No mortality	Wallen (1951)
Mosquitofish	A	150000	288.00	10	No mortality	Wallen (1951)
Sunfish (Green)	A	140000	312.00	10	No mortality	Wallen (1951)
Sunfish (Green)	A	130000	168.00	10	No mortality	Wallen (1951)
Bullhead (Black)	A	140000	408.00	10	No mortality	Wallen (1951)
Bullhead (Black)	A	185000	600.00	10	No mortality	Wallen (1951)
Bass (Largemouth)	A	90000	144.00	10	No mortality	Wallen (1951)
Pumpkinseed	A	82500	456.00	10	No mortality	Wallen (1951)
Sunfish (Orangespotted)	A	125000	432.00	10	No mortality	Wallen (1951)
Central Mudminnow	A	100000	480.00	10	No mortality	Wallen (1951)
Shiner (Red)	A	107500	336.00	10	No mortality	Wallen (1951)
Blackstripe Topminnow	A	107500	312.00	10	No mortality	Wallen (1951)
Goldfish	A	165000	480.00	10	No mortality	Wallen (1951)
Goldfish	A	190000	216.00	10	No mortality	Wallen (1951)
Fish (warmwater)	A	100000	252.00	10	Some fish died; most survived	Wallen (1951)
Fish (warmwater)	A	200000	480.00	10	Fish died; opercular vacities and gill filaments clogged	Wallen (1951)
Goldfish	A	25000	336.00	10	Some mortality (MC)	Wallen (1951)
Carp (Common)	A	165000	480.00	5	No mortality	Wallen (1951)
Fish	A	2045	8760.00	12	Habitat destruction, fish population decreased by 6-20 fold	Vaughan (1979)
Fish	A	2045	8760.00	12	Habitat destruction; fish populations smaller than expected	Vaughan (1979); Vaughan et al. (1982)
Fish	A	2045	8760.00	9	Species diversity significantly decreased	Vaughan (1979)
Darter (Greenside)	A	2045	8760.00	14	Darters absent	Vaughan (1979)
Darter (Rainbow)	A	2045	8760.00	14	Darters absent	Vaughan (1979)
Darter	A	2045	8760.00	14	Darters absent	Vaughan (1979); Vaughan et al. (1982)
Sucker (Longnose)	A	20	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Sucker (Longnose)	A	31	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Sucker (Longnose)	A	20	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Sucker (Longnose)	A	31	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Burbot	A	20	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Burbot	A	31	0.02	3	Fish favored turbid water (NTU)	Suchanek et al. (1984b)
Walleye	A	9	21.00	3	Fish preferred turbid water	Swenson (1978)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Walleye	A	12	21.00	3	Fish preferred turbid water	Swenson (1978)
Smelt (Rainbow)	A	3	168.00	3	Fish preferred turbid water	Swenson (1978)
Smelt (Rainbow)	A	3	168.00	3	Fish preferred turbid water	Swenson (1978)
Sucker (Longnose)	A	3	21.00	0	No behavioral effect	Swenson (1978)
Sucker (White)	A	3	21.00	0	No behavioral effect	Swenson (1978)
Troutperch	A	3	21.00	0	No behavioral effect	Swenson (1978)
Smelt (Rainbow)	A	3	168.00	7	Increased vulnerability to predation	Swenson (1978)
Bass (Smallmouth)	A	5	16.00	4	Decrease in prey consumed (NTU)	Carter et al. (2010)
Bass (Smallmouth)	A	10	23.00	4	Decrease in prey consumed (NTU)	Carter et al. (2010)
Bass (Smallmouth)	A	20	30.00	4	Decrease in prey consumed (NTU)	Carter et al. (2010)
Bass (Smallmouth)	A	40	43.00	4	Decrease in prey consumed (NTU)	Carter et al. (2010)
Minnow (Fathead)	A	120	0.02	3	Reduced ability to recognize predators	Chivers et al. (2013)
Dace (Rosyside)	A	10	0.70	4	Feeding behavior altered (50% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Dace (Rosyside)	A	20	0.70	4	Feeding behavior altered (48% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Dace (Rosyside)	A	30	0.70	4	Feeding behavior altered (~42% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Dace (Rosyside)	A	10	0.70	4	Feeding behavior altered (55% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Dace (Rosyside)	A	20	0.70	4	Feeding behavior altered (~48% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Dace (Rosyside)	A	30	0.70	4	Feeding behavior altered (32% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	10	0.70	4	Feeding behavior altered (~49% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	20	0.70	4	Feeding behavior altered (26% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	30	0.70	4	Feeding behavior altered (33% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	10	0.70	4	Feeding behavior altered (39% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	20	0.70	4	Feeding behavior altered (33% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	30	0.70	4	Feeding behavior altered (18% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Dace (Rosyside)	A	20	0.70	4	Feeding behavior altered (48% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Dace (Rosyside)	A	10	0.70	4	Feeding behavior altered (55% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Dace (Rosyside)	A	30	0.70	4	Feeding behavior altered (32% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	20	0.70	4	Feeding behavior altered (26% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	10	0.70	4	Feeding behavior altered (39% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Shiner (Yellowfin)	A	30	0.70	4	Feeding behavior altered (22% prey captures forward movement, NTU)	Hazelton & Grossman (2009)
Stickleback (Three-spined)	A	10	0.50	0	No change in feeding rate (69, control 69, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	4	Feeding rate reduced (54, control 69, NTU)	Helenius et al. (2013)
Stickleback	A	78	0.50	4	Feeding rate reduced (27, control 69, NTU)	Helenius et al. (2013)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
(Three-spined)						
Stickleback (Three-spined)	A	10	0.50	0	No change in female feeding rate (27, control 27, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	0	Female feeding rate increased (30, control 27, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	78	0.50	4	Female feeding rate reduced (12, control 27, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	10	0.50	0	No change in female feeding rate (15, control 15, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	0	Female feeding rate increased (16, control 15, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	78	0.50	4	Female feeding rate reduced (4 control 15, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	10	0.50	0	No change in female feeding rate (20, control 20, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	4	Female feeding rate reduced (12, control 20, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	78	0.50	4	Female feeding rate reduced (3, control 20, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	10	0.50	0	No change in male feeding rate (32, control 32, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	4	Male feeding rate reduced (25, control 32, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	78	0.50	4	Male feeding rate reduced (27, control 32, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	10	0.50	0	No change in male feeding rate (15, control 15, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	4	Male feeding rate reduced (14, control 15, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	78	0.50	4	Male feeding rate reduced (2, control 15, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	10	0.50	0	No change in male feeding rate (25, control 25, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	4	Male feeding rate reduced (12, control 25, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	78	0.50	4	Male feeding rate reduced (8, control 25, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	10	0.50	0	Feeding rate increased (0.57, control 0.55, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	4	Feeding rate reduced (0.21, control 0.28, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	78	0.50	0	Feeding rate increased (0.23, control 0.17, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	10	0.50	0	Feeding rate increased (0.69, control0.55, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	48	0.50	4	Feeding rate reduced (0.16, control 0.28, NTU)	Helenius et al. (2013)
Stickleback (Three-spined)	A	78	0.50	4	Feeding rate reduced (0.15, control 0.55, NTU)	Helenius et al. (2013)
Carp (Crucian)	A	10	2.00	10	Mortality rate <1% (control <1%, NTU)	Li et al. (2013)
Carp (Crucian)	A	20	2.00	10	Mortality rate <1% (control <1%, NTU)	Li et al. (2013)
Carp (Crucian)	A	40	2.00	10	Mortality rate 1% (control <1%, NTU)	Li et al. (2013)
Carp (Crucian)	A	80	2.00	10	Mortality rate 1% (control <1%, NTU)	Li et al. (2013)
Carp (Crucian)	A	10	2.00	10	Mortality rate 1% (control 0%, NTU)	Li et al. (2013)
Carp (Crucian)	A	20	2.00	10	Mortality rate <1% (control 0%, NTU)	Li et al. (2013)
Carp (Crucian)	A	40	2.00	10	Mortality rate <1% (control 0%, NTU)	Li et al. (2013)
Carp (Crucian)	A	80	2.00	10	Mortality rate 1% (control 0%, NTU)	Li et al. (2013)
Ayu	A	164	3.00	3	Fish moved to clear water (9 individuals)	Mori et al. (2018)

		Sediment dose			Fish Response	
Species	Life Stage[a]	Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	Reference
Ayu	A	12	0.02	3	Fish moved to turbid areas (11, control 9.7)	Mori et al. (2018)
Ayu	A	12	0.75	3	Fish moved to clear areas (8, control 9.7)	Mori et al. (2018)
Ayu	A	12	1.00	3	Fish moved to turbid areas (10, control 9.7)	Mori et al. (2018)
Ayu	A	12	1.00	3	Fish moved to clear areas (8, control 9.7)	Mori et al. (2018)
Ayu	A	240	1.32	3	49.15% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	1.62	3	59.32% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	1.74	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	1.92	3	59.32% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	1.97	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.21	3	69.69% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.24	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.41	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.51	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.61	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.77	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.84	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.94	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.01	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.11	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.33	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.41	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.48	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.66	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.76	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.76	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.82	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	3.93	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	4.10	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	4.23	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	4.80	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	5.37	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	5.77	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	5.85	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	5.92	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	5.95	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	6.09	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	6.67	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	6.89	3	59.32% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	7.09	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	7.16	3	59.32% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	7.39	3	59.32% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	7.56	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	7.64	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	7.96	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	8.06	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	8.52	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	8.91	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	8.98	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	9.08	3	79.66% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	9.30	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	9.48	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	9.60	3	79.66% of fish moved to clear water	Mori et al. (2018)

		Sediment dose			Fish Response	
Species	Life Stage[a]	Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	Reference
Ayu	A	240	9.73	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	10.00	3	69.49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	73.00	3	46% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	2.75	3	41% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	5.75	3	48% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	8.50	3	47% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	12.00	3	52% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	14.00	3	50% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	17.00	3	50% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	20.00	3	45% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	23.00	3	43% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	26.00	3	45% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	29.00	3	49% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	32.00	3	43% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	35.00	3	46% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	38.00	3	48% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	41.00	3	47% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	44.00	3	43% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	46.00	3	46% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	50.00	3	46% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	52.00	3	46% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	55.00	3	38% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	58.00	3	37% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	61.00	3	36% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	64.00	3	41% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	67.00	3	44% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	70.00	3	45% of fish moved to clear water	Mori et al. (2018)
Ayu	A	240	73.00	3	44% of fish moved to clear water	Mori et al. (2018)
Ayu	A	12	73.00	3	Fish moved to turbid water (10 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	2.75	3	Fish moved to turbid water (4 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	5.75	3	Fish moved to turbid water (2 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	8.50	3	Fish moved to turbid water (3 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	12.00	3	Fish moved to turbid water (2 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	14.00	3	Fish moved to turbid water (3 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	17.00	3	Fish moved to turbid water (3 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	20.00	3	Fish moved to turbid water (5 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	23.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	26.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	29.00	3	Fish moved to turbid water (5 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	32.00	3	Fish moved to turbid water (5 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	35.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	38.00	3	Fish moved to turbid water (7 fish, control 10 fish)	Mori et al. (2018)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Ayu	A	12	41.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	44.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	46.00	3	Fish moved to turbid water (5 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	50.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	52.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	55.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	58.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	61.00	3	Fish moved to turbid water (6 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	64.00	3	Fish moved to turbid water (5 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	67.00	3	Fish moved to turbid water (5 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	70.00	3	Fish moved to turbid water (5 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	12	73.00	3	Fish moved to turbid water (5 fish, control 10 fish)	Mori et al. (2018)
Ayu	A	240	17.00	3	10% probability fish move to clear water	Mori et al. (2018)
Ayu	A	240	67.00	3	10% probability fish move to clear water	Mori et al. (2018)
Ayu	A	240	113.00	3	20% probability fish move to clear water	Mori et al. (2018)
Ayu	A	240	160.00	3	30% probability fish move to clear water	Mori et al. (2018)
Ayu	A	240	227.00	3	50% probability fish move to clear water	Mori et al. (2018)
Ayu	A	240	279.00	3	70% probability fish move to clear water	Mori et al. (2018)
Ayu	A	240	342.00	3	80% probability fish move to clear water	Mori et al. (2018)
Ayu	A	240	432.00	3	90% probability fish move to clear water	Mori et al. (2018)
Tilapia (Redbreast)	A	20000	2.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	A	30000	2.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	A	36000	2.00	11	Mortality rate 40%	Buermann et al. (1997)
Tilapia (Redbreast)	A	40000	2.00	10	Mortality rate 20%	Buermann et al. (1997)
Tilapia (Redbreast)	A	52000	2.00	11	Mortality rate 40%	Buermann et al. (1997)
Tilapia (Redbreast)	A	60000	2.00	13	Mortality rate 60%	Buermann et al. (1997)
Tilapia (Redbreast)	A	63000	2.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	66000	2.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	80000	2.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	100000	2.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	140000	2.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	20000	6.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	A	30000	6.00	10	No mortality	Buermann et al. (1997)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Tilapia (Redbreast)	A	36000	6.00	11	Mortality rate 40%	Buermann et al. (1997)
Tilapia (Redbreast)	A	40000	6.00	10	Mortality rate 20%	Buermann et al. (1997)
Tilapia (Redbreast)	A	52000	6.00	11	Mortality rate 40%	Buermann et al. (1997)
Tilapia (Redbreast)	A	60000	6.00	12	Mortality rate 60%	Buermann et al. (1997)
Tilapia (Redbreast)	A	63000	6.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	66000	6.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	80000	6.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	100000	6.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	140000	6.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	20000	24.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	A	30000	24.00	10	Mortality rate 20%	Buermann et al. (1997)
Tilapia (Redbreast)	A	36000	24.00	11	Mortality rate 40%	Buermann et al. (1997)
Tilapia (Redbreast)	A	40000	24.00	11	Mortality rate 40%	Buermann et al. (1997)
Tilapia (Redbreast)	A	52000	24.00	13	Mortality rate 80%	Buermann et al. (1997)
Tilapia (Redbreast)	A	60000	24.00	13	Mortality rate 80%	Buermann et al. (1997)
Tilapia (Redbreast)	A	63000	24.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	66000	24.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	80000	24.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	100000	24.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	140000	24.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	20000	48.00	10	No mortality	Buermann et al. (1997)
Tilapia (Redbreast)	A	30000	48.00	10	Mortality rate 20%	Buermann et al. (1997)
Tilapia (Redbreast)	A	36000	48.00	11	Mortality rate 40%	Buermann et al. (1997)
Tilapia (Redbreast)	A	40000	48.00	11	Mortality rate 40%	Buermann et al. (1997)
Tilapia (Redbreast)	A	52000	48.00	13	Mortality rate 80%	Buermann et al. (1997)
Tilapia (Redbreast)	A	60000	48.00	13	Mortality rate 80%	Buermann et al. (1997)
Tilapia (Redbreast)	A	63000	48.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	66000	48.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	80000	48.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	100000	48.00	14	Mortality rate 100%	Buermann et al. (1997)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concen-tration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Tilapia (Redbreast)	A	140000	48.00	14	Mortality rate 100%	Buermann et al. (1997)
Tilapia (Redbreast)	A	48000	2.00	12	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	A	48000	6.00	12	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	A	42000	24.00	12	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	A	42000	48.00	12	Mortality rate 50%	Buermann et al. (1997)
Tilapia (Redbreast)	A	60000	2.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	63000	2.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	66000	2.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	80000	2.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	100000	2.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	140000	2.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	60000	6.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	63000	6.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	66000	6.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	80000	6.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	100000	6.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	140000	6.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	60000	24.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	63000	24.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	66000	24.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	80000	24.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	100000	24.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	140000	24.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	60000	48.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	63000	48.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	66000	48.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	80000	48.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	100000	48.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Tilapia (Redbreast)	A	140000	48.00	10	Silt-clogged gills, severe gill damage	Buermann et al. (1997)
Minnow (Fathead)	A	50	96.00	0	No change in erdrin toxin tolerance	Brungs & Bailey (1967)

Species	Life Stage[a]	Sediment dose		Fish Response		Reference
		Exposure Concentration (mg/L)	Exposure duration (h)	SEV[b]	Description[c]	
Minnow (Fathead)	A	48	96.00	8	Decreased tolerance to erdrin toxin	Brungs & Bailey (1967)
Minnow (Fathead)	A	47	96.00	8	Decreased tolerance to erdrin toxin	Brungs & Bailey (1967)
Minnow (Fathead)	A	12	96.00	0	Increased tolerance to erdrin toxin	Brungs & Bailey (1967)
Creek Chub	A	8	24.00	3	51.5% fish abandoned cover (control 22.8%)	DeVore et al. (1980)
Creek Chub	A	39	24.00	3	Fish prefer turbid water	DeVore et al. (1980)
Fish	A	32	24.00	9	Decreased populations in warm turbid waters	DeVore et al. (1980)
Minnow (Fathead)	A	12	0.33	3	Attracted to turbidity	Abrahams & Kattenfeld (1997, data pulled from Courtice et al. (2022))
Guppies (Trinidadian)	A	2100	12.00	3	Social dynamic behavioural effects	Borner et al. (2015, data pulled from Courtice et al. (2022))
Sucker (White)	A	500	6.00	6	Evidence of physiological effects	Merten et al. (2010, data pulled from Courtice et al. (2022))
Bluegill	A	15	1.00	2	Habitat selection was modified.	Miner & Stein (1996, data pulled from Courtice et al. (2022))
Shiner (Whitetail)	A	100	504.00	4	Reduction in feeding	Sutherland & Meyer (2007, data pulled from Courtice et al. (2022))
Shiner (Whitetail)	A	50	48.00	4	Increased corticosteroid	Sutherland & Meyer (2007, data pulled from Courtice et al. (2022))
Shiner (Lahontan Redside)	A	138	24.00	4	75% reduction in feeding	Vinyard & Yuan (1996)
Shiner (Lahontan Redside)	A	107	24.00	4	60% reduction in feeding	Vinyard & Yuan (1996)
Dace (Rosyside)	A	30	2.00	4	Reduction in feeding success	Zamor (2007, data pulled from Courtice et al. (2022))
Shiner (Tricolor)	A	100	144.00	9	Decrease in spawn effort (0.75, control 0.83)	Burkhead & Jelks (2001)
Shiner (Tricolor)	A	300	144.00	9	Significant decrease in spawn effort (0.58, control 0.83)	Burkhead & Jelks (2001)
Shiner (Tricolor)	A	600	144.00	9	Significant decrease in spawn effort (0.25, control 0.83)	Burkhead & Jelks (2001)
Shiner (Tricolor)	A	100	144.00	9	Fewed eggs laid when spawning (0.12, control 0.26)	Burkhead & Jelks (2001)
Shiner (Tricolor)	A	300	144.00	9	Fewed eggs laid when spawning (0.10, control 0.26)	Burkhead & Jelks (2001)
Shiner (Tricolor)	A	600	144.00	9	Fewed eggs laid when spawning (0.02, control 0.26)	Burkhead & Jelks (2001)
Shiner (Tricolor)	A	300	144.00	9	Delayed spawn onset	Burkhead & Jelks (2001)
Shiner (Tricolor)	A	600	144.00	9	Delayed spawn onset	Burkhead & Jelks (2001)
Shiner (Golden)	A	20700	96.00	10	20% mortality (control 0%)	Peddicord & McFarland (1978)
Shiner (Golden)	A	1500	96.00	10	0% mortality (control 0%)	Peddicord & McFarland (1978)
Shiner (Golden)	A	3800	96.00	10	0% mortality (control 0%)	Peddicord & McFarland (1978)
Shiner (Golden)	A	8200	96.00	10	0% mortality (control 0%)	Peddicord & McFarland (1978)
Shiner (Golden)	A	12870	96.00	10	0% mortality (control 0%)	Peddicord & McFarland (1978)
Shiner (Golden)	A	15800	96.00	10	0% mortality (control 0%)	Peddicord & McFarland (1978)

[a]A = adult; E = egg; EE = eyed egg; F = fry; F* = swim-up fry; FF = young fry (<30 weeks old); FF* = older fry (>30 weeks old); J = juvenile; L = larva; PS = presmolt; S = smolt; SF = sac fry; U = underyearling; Y = approximate yearling; YY = young of the year

[b]Severity-of-ill-effect ranging from 0 (no detectible effect) to 14 (maximum effect; see Table 1)

[c]Panicle sizes of suspended sediment (SS) sometimes were given categorically in source documents. As abbreviated here. VFSS = very fine (<15 um); FSS = fine (15-74 um); MFSS = medium to fine (75-149 um); MCSS = medium to coarse (150-290 um); and CSS = coarse (180-740 um). Usual 'sediments' used: BC = bentonite clay; CS = calcium sulfate; CWS = coal washery solids; DE = dtatomaceous earth; DM = drilling mud (nontoxic); FC = fire clay; FE = fuller's earth; IA = incinerator ash; KC = kaolin clay; KS = Kingston silt; LNFH = lime-neutralized ferric hydroxide; MC = montmorillonite clay; VA = volcanic ash; WF = wood fibers. Other abbreviation: NTU = nephelometric turbidity units.