

LAKE ROOSEVELT FISHERIES MONITORING PROGRAM

APPENDICES
1990

Prepared by

Janelle R. Griffith
Allan T. Scholz

Upper Columbia United Tribes Fisheries Center
Department of Biology
Eastern Washington University

Prepared for

Fred Holm, Project Manager
U.S. Department of Energy
Bonneville Power Administration
Division of Fish and Wildlife
P.O. Box 3621
Portland, OR 97208-3621

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APPENDIX A
RESERVOIR DYNAMICS

Table A1. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in January 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

JANUARY					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	125.80	91.30	1288.00	4509.30	49.39
2	118.90	133.20	1287.60	4493.00	33.73
3	114.10	132.40	1287.20	4416.70	33.36
4	113.30	133.50	1286.70	4456.50	33.38
5	122.00	105.80	1287.10	4472.70	42.28
6	122.20	85.60	1288.00	4509.30	52.68
7	120.50	75.40	1289.05	4554.40	60.40
8	118.30	108.00	1289.30	4562.60	42.25
9	118.30	111.10	1289.50	4570.90	41.14
10	93.70	102.70	1289.20	4558.50	44.39
11	84.50	92.50	1289.00	4550.30	49.19
12	98.20	105.60	1288.80	4542.00	43.01
13	95.00	70.30	1289.40	4566.80	64.96
14	114.70	116.70	1289.40	4566.80	39.13
15	100.40	118.90	1288.90	4546.20	38.24
16	110.90	115.00	1288.80	4542.00	39.50
17	114.00	118.10	1288.70	4537.90	38.42
18	95.30	128.10	1287.90	4505.20	35.17
19	104.30	124.70	1287.40	4484.80	35.96
20	92.10	104.30	1287.10	4472.70	42.88
21	1060.30	98.20	1287.30	4480.80	45.63
22	105.30	117.50	1287.00	4468.60	38.03
23	112.60	126.70	1286.70	4456.50	35.17
24	106.50	124.60	1286.20	4436.30	35.60
25	116.70	122.70	1286.10	4432.30	36.12
26	124.70	134.70	1285.80	4420.20	32.82
27	116.50	104.50	1286.10	4432.20	42.41
28	123.60	91.30	1286.90	4464.60	48.90
29	126.30	128.40	1286.90	4464.60	34.77
30	123.60	141.50	1286.40	4444.40	31.41
31	126.80	133.90	1286.10	4432.30	33.10
MEAN			1287.70		41.08

Table A2. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in February 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

FEBRUARY					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	129.80	125.60	1286.20	4432.30	35.29
2	139.10	116.80	1286.80	4460.50	38.19
3	142.10	89.30	1288.10	4513.50	50.54
4	137.10	87.90	1289.25	4562.60	51.91
5	118.30	124.50	1289.10	4554.50	36.58
6	112.40	130.90	1288.70	4537.90	34.67
7	118.30	155.10	1287.70	4497.00	28.99
8	123.50	131.70	1287.60	4493.00	34.12
9	118.10	105.60	1287.85	4505.20	42.66
10	121.10	84.20	1288.80	4542.00	53.94
11	116.20	99.80	1289.15	4558.50	45.68
12	114.20	120.40	1289.00	4550.30	37.79
13	113.10	148.00	1288.20	4517.50	30.52
14	112.30	153.10	1287.20	4416.70	28.85
15	113.50	158.00	1286.05	4432.30	28.05
16	105.90	155.80	1284.80	4380.30	28.11
17	110.10	120.10	1284.55	4372.30	36.41
18	119.50	153.20	1283.70	4336.70	28.31
19	110.40	153.50	1282.60	4293.50	27.97
20	125.40	152.70	1281.90	4266.20	27.94
21	115.00	118.90	1281.80	4262.30	35.85
22	122.80	122.80	1281.80	4262.30	34.71
23	115.50	123.30	1281.60	4215.90	34.19
24	114.60	106.80	1281.80	4262.30	39.91
25	131.90	106.50	1282.50	4289.50	40.28
26	139.80	118.40	1283.00	4309.10	36.39
27	124.40	140.00	1282.60	4293.50	30.67
28	120.20	141.70	1282.10	4273.90	30.16
MEAN			1285.52		36.02

Table A3. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in March 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

MARCH					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	130.60	130.30	1282.10	4273.90	32.80
2	137.30	113.90	1282.70	4297.40	37.73
3	122.70	91.40	1283.50	4328.80	0.05
4	123.60	78.10	1284.60	4372.30	55.98
5	123.70	121.60	1284.70	4376.30	35.99
6	116.10	127.80	1284.40	4364.40	34.15
7	123.60	137.30	1284.00	4348.50	31.67
8	120.90	156.40	1283.10	4313.10	27.58
9	124.80	134.60	1282.85	4305.20	31.99
10	120.60	91.20	1286.60	4452.40	48.82
11	118.40	102.60	1284.00	4348.50	42.38
12	122.10	114.20	1284.20	4356.40	38.15
13	116.20	141.90	1283.55	4332.70	30.53
14	122.70	128.70	1283.40	4324.80	33.60
15	121.10	125.10	1283.30	4320.90	34.54
16	111.30	142.70	1282.50	4289.50	30.06
17	102.20	119.70	1282.10	4273.90	35.71
18	92.40	106.00	1281.70	4258.40	40.17
19	81.40	124.00	1280.60	4215.90	34.00
20	68.80	133.10	1278.90	4150.80	31.19
21	81.80	135.50	1277.40	4094.40	30.22
22	92.70	142.30	1276.00	4041.30	28.40
23	100.40	145.90	1274.70	3992.70	27.37
24	102.50	140.20	1273.60	3951.90	28.19
25	116.90	132.30	1273.10	3933.40	29.73
26	113.20	131.80	1272.50	3911.30	29.68
27	110.40	147.30	1271.20	3863.70	26.23
28	114.60	147.50	1270.00	3856.30	26.14
29	107.90	129.10	1269.10	3787.40	29.34
30	109.20	132.20	1268.20	3754.90	28.40
31	113.00	141.10	1267.10	3715.50	26.33
MEAN			1279.22		32.16

Table A4. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in April 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

APRIL					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	108.90	133.70	1266.20	3683.40	27.55
2	109.10	148.30	1264.90	3637.30	24.53
3	114.20	134.80	1264.30	3616.10	26.83
4	103.40	117.50	1263.90	3602.00	30.66
5	115.00	106.20	1264.10	3609.10	33.98
6	116.10	118.50	1264.00	3605.60	30.43
7	116.60	142.10	1263.00	3570.50	25.13
8	112.60	113.30	1262.80	3563.50	31.45
9	104.10	143.00	1261.40	3514.70	24.58
10	113.00	132.00	1260.70	3490.50	26.44
11	113.50	131.30	1259.90	3462.90	26.37
12	119.70	129.60	1259.40	3445.70	26.59
13	114.30	114.90	1259.20	3438.90	29.93
14	115.50	76.50	1260.20	3473.20	45.40
15	118.80	51.90	1261.90	3532.10	68.06
16	122.40	116.10	1262.20	3542.60	30.51
17	119.50	116.20	1262.10	3539.10	30.46
18	122.90	113.50	1262.15	3542.60	31.21
19	116.40	127.00	1261.60	3521.70	27.73
20	119.60	119.80	1261.40	3514.70	29.34
21	130.40	88.80	1262.30	3546.00	39.93
22	128.20	95.00	1263.00	3570.50	37.58
23	135.80	133.20	1262.85	3567.00	26.78
24	139.60	117.70	1263.25	3581.00	30.42
25	139.80	133.30	1263.20	3577.50	26.84
26	139.90	140.10	1263.00	3570.50	25.49
27	132.30	146.90	1262.30	3546.00	24.14
28	135.50	114.80	1262.70	3560.00	31.01
29	133.60	91.50	1263.60	3591.50	39.25
30	136.00	135.60	1263.40	3584.50	26.43
MEAN			1262.47		31.06

Table A5. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in May 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

MAY					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	126.70	125.60	1268.20	3754.90	29.90
2	129.00	151.30	1262.40	3549.50	23.46
3	130.30	159.00	1263.45	3588.00	22.57
4	120.50	147.20	1260.50	3483.60	23.67
5	125.40	125.20	1260.25	3476.70	27.77
6	128.20	121.10	1260.20	3473.20	28.68
7	137.50	156.20	1259.40	3445.70	22.06
8	127.90	126.00	1259.20	3438.90	27.29
9	123.60	97.60	1259.70	3456.00	35.41
10	125.00	88.60	1260.50	3473.20	39.20
11	118.10	95.40	1260.90	3497.40	36.66
12	119.50	100.30	1261.20	3507.80	34.97
13	114.70	86.70	1261.75	3528.60	40.70
14	115.70	125.80	1261.20	3507.80	27.88
15	115.40	123.00	1260.80	3528.60	28.69
16	110.50	151.50	1259.35	3442.30	22.72
17	110.90	136.10	1258.40	3411.50	25.07
18	112.70	129.30	1257.70	3387.70	26.20
19	113.60	99.60	1257.90	3394.50	34.08
20	112.90	99.00	1258.10	3401.30	34.36
21	113.10	136.40	1257.20	3370.80	24.71
22	111.00	135.80	1256.30	3340.40	24.60
23	114.30	132.30	1255.50	3313.60	25.05
24	123.70	119.90	1255.40	3310.30	27.61
25	134.00	90.00	1256.50	3347.20	37.19
26	138.80	89.30	1257.80	3391.10	37.97
27	141.30	100.50	1258.95	3432.00	34.15
28	145.60	121.00	1259.50	3449.40	28.51
29	157.00	119.70	1260.50	3483.60	29.10
30	172.90	138.90	1261.30	3042.60	21.90
31	172.30	167.70	1261.30	3042.60	18.14
MEAN			1259.72		29.04

Table A6. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in June 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers. Reservoir Control Center, Portland, OR.

JUNE					
DAY OF MONTH	INFLOW (KCF)	OUTFLOW (KCF)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	187.60	163.80	1261.90	3532.10	21.56
2	202.90	119.60	1264.10	3609.10	30.18
3	210.20	113.30	1266.70	3701.20	32.67
4	211.50	160.20	1268.00	3747.70	23.39
5	215.30	190.70	1268.60	3769.30	19.77
6	212.10	209.10	1268.60	3769.30	18.03
7	208.60	21.00	1268.35	3762.10	179.15
8	199.30	207.20	1268.00	3747.70	18.09
9	192.90	204.20	1267.55	3733.40	18.28
10	208.60	136.00	1269.40	3798.20	27.93
11	204.20	176.00	1270.00	3820.00	21.70
12	220.90	208.80	1270.20	3827.20	18.33
13	215.80	212.90	1270.10	3823.60	17.96
14	213.20	195.70	1270.40	3834.50	19.59
15	194.80	210.00	1269.80	3812.10	18.15
16	205.60	182.70	1270.20	3827.20	20.95
17	208.60	180.20	1270.80	3849.10	21.36
18	208.90	191.40	1271.10	3860.00	20.17
19	199.60	180.30	1271.50	3874.60	21.49
20	203.40	172.20	1272.10	3896.60	22.63
21	194.50	170.30	1272.50	3911.30	22.97
22	204.50	149.90	1273.70	3955.60	26.39
23	209.10	138.30	1275.30	4015.10	29.03
24	213.50	143.30	1276.80	4071.30	28.41
25	215.10	158.50	1278.10	4120.50	26.00
26	227.50	178.60	1279.20	4162.30	23.31
27	224.50	186.90	1280.00	4192.80	22.43
28	222.30	184.00	1280.80	4223.60	22.95
29	221.00	167.00	1282.00	4270.10	25.57
30	219.10	170.30	1283.00	4309.10	25.30
MEAN			1271.96		28.12

Table A7. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in July 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

JULY					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	209.60	174.20	1283.70	4336.70	24.89
2	205.20	154.30	1284.80	4380.30	28.39
3	198.20	164.60	1285.40	4404.20	26.76
4	195.80	154.00	1286.30	4440.30	28.83
5	189.60	167.60	1286.60	4452.40	26.57
6	190.80	164.90	1287.10	4472.70	27.12
7	191.80	153.30	1287.80	4501.10	29.36
8	180.10	147.80	1288.25	4521.50	30.59
9	181.30	171.40	1288.30	4521.50	26.38
10	166.90	169.60	1288.10	4513.40	26.61
11	162.00	164.80	1287.80	4501.10	27.31
12	152.80	151.60	1287.65	4497.00	29.66
13	136.30	149.10	1287.20	4476.70	30.02
14	143.90	115.70	1287.60	4493.00	38.83
15	125.40	107.70	1287.70	4497.00	41.75
16	123.40	131.30	1287.40	4484.80	34.16
17	123.90	110.60	1287.50	4488.90	40.59
18	125.30	116.10	1287.60	4493.00	38.70
19	115.50	118.60	1287.30	4480.80	37.78
20	115.40	120.50	1287.00	4468.60	37.08
21	112.10	102.20	1287.10	4472.70	43.76
22	118.10	90.10	1287.50	4488.90	49.82
23	115.20	113.40	1287.30	4480.80	39.51
24	115.10	100.80	1287.50	4488.90	44.53
25	111.40	97.10	1287.70	4497.00	46.31
26	116.90	87.20	1288.30	4521.50	51.85
27	112.40	89.30	1288.70	4537.90	50.82
28	115.10	88.20	1289.20	4588.50	52.02
29	115.30	88.30	1289.60	4575.00	51.81
30	111.60	115.90	1289.40	4566.80	39.40
31	133.30	114.40	1289.70	4579.20	40.03
MEAN			1287.52		36.82

Table A8. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in August 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

AUGUST					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	117.00	114.70	1289.60	4575.00	39.89
2	111.90	123.90	1289.10	4554.40	36.76
3	118.80	131.20	1288.60	4533.80	34.56
4	126.50	110.50	1288.80	4542.00	41.10
5	122.20	98.00	1289.10	4554.40	46.47
6	118.30	117.80	1289.00	4550.30	38.63
7	117.70	113.90	1289.00	4550.30	39.95
8	108.30	106.90	1288.90	4546.20	42.53
9	106.60	122.20	1288.30	4521.50	37.00
10	105.30	127.50	1287.55	4493.00	35.24
11	108.50	104.10	1287.50	4488.90	43.12
12	119.80	78.80	1288.20	4517.50	57.33
13	123.60	114.00	1288.20	4517.50	39.63
14	116.60	112.60	1288.10	4513.40	40.08
15	112.70	101.60	1288.20	4517.20	44.46
16	113.50	94.10	1288.50	4529.70	48.14
17	110.50	99.40	1288.60	4533.80	45.61
18	112.00	78.20	1289.30	4562.60	58.35
19	106.10	80.50	1289.70	4579.20	56.88
20	110.70	103.70	1289.70	4579.20	44.16
21	98.20	102.70	1289.50	4570.90	44.51
22	101.40	92.10	1289.60	4575.00	49.67
23	110.30	99.40	1289.70	4579.00	46.07
24	107.80	108.10	1289.60	4575.00	42.32
25	100.60	100.90	1289.50	4570.90	45.30
26	105.00	103.20	1289.45	4570.90	44.29
27	97.60	120.60	1288.80	4542.00	37.66
28	81.90	120.30	1287.80	4501.10	37.42
29	58.30	84.90	1287.10	4472.70	52.68
30	65.50	91.80	1286.40	4444.40	48.41
31	63.30	69.30	1286.15	4436.30	64.02
MEAN			1288.63		44.59

Table A9. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in September 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

SEPTEMBER					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	71.90	56.50	1286.40	4444.40	78.66
2	70.00	49.00	1286.70	4456.40	90.95
3	79.30	58.30	1287.00	4468.60	76.65
4	75.90	82.00	1286.70	4456.50	54.35
5	97.80	67.70	1286.60	4452.40	65.77
6	64.40	61.20	1286.60	4452.40	72.75
7	60.80	81.00	1286.05	4432.30	54.72
8	59.50	43.80	1286.40	4444.40	101.47
9	75.50	52.20	1286.75	4460.50	85.45
10	71.10	88.80	1286.20	4436.30	49.96
11	68.00	62.50	1286.30	4440.30	71.04
12	74.80	69.30	1286.30	4440.30	64.07
13	80.40	83.00	1286.15	4436.30	53.45
14	84.90	71.00	1286.40	4444.40	62.60
15	80.80	63.60	1286.60	4452.40	70.01
16	77.40	61.60	1286.80	4460.50	72.41
17	79.80	71.30	1286.90	4464.60	62.62
18	77.80	71.20	1287.00	4468.60	62.76
19	85.40	77.80	1287.10	4472.70	57.49
20	86.00	74.30	1287.30	4480.80	60.31
21	71.00	77.40	1287.10	4472.70	57.79
22	57.40	55.60	1287.00	4468.60	80.37
23	56.00	50.20	1287.05	4472.70	89.10
24	59.00	85.50	1286.30	4440.30	51.93
25	68.60	91.00	1285.70	4416.20	48.53
26	83.20	81.50	1285.60	4412.20	54.14
27	86.30	86.50	1285.50	4408.20	50.96
28	80.30	74.40	1285.60	4412.20	59.30
29	68.40	68.80	1285.40	4404.20	64.01
30	92.00	56.30	1286.20	4436.30	78.80
MEAN			1286.46		66.75

Table A10. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in October 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

OCTOBER					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	100.00	83.10	1286.50	4448.40	53.53
2	89.80	85.90	1286.60	4452.40	51.83
3	88.10	88.10	1286.50	4448.40	50.49
4	87.10	87.40	1286.40	4444.40	50.85
5	85.00	77.10	1286.50	4448.40	57.70
6	74.10	62.30	1286.70	4456.40	71.53
7	68.70	55.00	1286.85	4464.60	81.17
8	63.90	65.60	1286.70	4456.50	67.93
9	63.20	60.90	1286.70	4456.50	73.18
10	66.50	60.50	1286.80	4460.50	73.73
11	63.60	69.80	1286.60	4452.40	63.79
12	63.30	67.60	1286.40	4444.40	65.75
13	67.20	47.30	1286.80	4460.50	94.30
14	82.00	45.70	1287.60	4493.00	98.32
15	79.70	71.20	1287.00	4468.60	62.76
16	80.10	80.50	1287.70	4497.00	55.86
17	89.10	87.00	1287.70	4497.00	51.69
18	72.10	86.90	1287.30	4480.80	51.56
19	71.80	84.40	1286.90	4464.60	52.90
20	68.50	60.60	1287.00	4468.60	73.74
21	78.30	56.20	1287.50	4488.90	79.87
22	81.20	71.30	1287.60	4493.00	63.02
23	83.40	72.70	1287.00	4468.60	61.47
24	79.20	58.70	1288.30	4521.50	77.03
25	69.20	73.30	1288.20	4517.50	61.63
26	75.50	75.50	1288.20	4517.50	59.83
27	66.60	64.50	1288.30	4521.50	70.10
28	60.90	58.90	1288.30	4521.50	76.77
29	81.10	81.10	1288.30	4521.50	55.75
30	80.00	71.80	1288.50	4529.70	63.09
MEAN			1287.25		65.71

Table All. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in November 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

NOVEMBER					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	83.40	91.60	1283.30	4320.90	47.17
2	84.10	100.40	1287.90	4505.20	44.87
3	78.40	88.60	1287.70	4497.00	50.76
4	90.60	55.80	1288.50	4529.70	81.18
5	90.90	95.00	1288.40	4525.60	47.64
6	97.30	99.60	1288.10	4513.40	45.32
7	79.80	88.00	1287.90	4505.20	51.20
8	86.70	88.70	1288.00	4509.30	50.84
9	77.10	101.60	1282.40	4285.60	42.18
10	79.50	77.50	1287.40	4484.40	57.86
11	85.40	58.60	1288.30	4521.50	77.16
12	88.50	95.80	1288.00	4509.30	47.07
13	89.50	85.40	1288.10	4513.40	52.85
14	127.70	115.40	1288.40	4525.60	39.22
15	188.50	110.00	1288.90	4546.20	41.33
16	111.10	107.00	1289.00	4550.30	42.53
17	101.00	90.70	1289.25	4562.60	50.30
18	111.30	101.00	1289.50	4570.90	45.26
19	135.20	119.30	1289.40	4566.80	38.28
20	107.20	117.50	1289.20	4558.50	38.80
21	113.20	123.50	1288.90	4546.20	36.81
22	99.00	99.80	1289.10	4554.40	45.64
23	84.30	104.80	1288.60	4533.80	43.26
24	97.00	115.50	1288.20	4517.50	39.11
25	88.80	103.10	1287.80	4501.10	43.66
26	143.90	131.70	1288.10	4513.40	34.27
27	132.90	124.70	1288.30	4521.50	36.26
28	130.20	109.70	1288.80	4542.00	41.40
29	126.70	132.60	1288.90	4546.20	34.29
30	112.80	143.60	1288.15	4517.50	31.46
MEAN			1288.08		45.93

Table A12. Daily midnight reservoir elevation, storage capacity, inflow, outflow and water retention time for Lake Roosevelt (Grand Coulee Reservoir) in December 1990. Data from daily summary reports prepared by the U.S. Army Corps of Engineers, Reservoir Control Center, Portland, OR.

December					
DAY OF MONTH	INFLOW (KCFS)	OUTFLOW (KCFS)	RESERVOIR ELEVATION (FT)	STORAGE CAPACITY (KCFSD)	WATER RETENTION TIME (D)
1	100.90	137.60	1287.30	4480.80	32.56
2	93.70	128.00	1286.40	4444.40	34.72
3	90.70	120.80	1285.70	4416.20	36.56
4	106.60	122.60	1285.10	4392.20	35.83
5	114.50	144.40	1284.40	4364.40	30.22
6	123.20	141.00	1283.90	4344.60	30.81
7	119.50	145.10	1283.25	4319.00	29.77
8	116.40	102.60	1283.60	4332.70	42.23
9	134.10	90.50	1284.70	4376.30	48.36
10	132.60	128.60	1284.80	4380.30	34.06
11	141.90	135.90	1285.00	4388.20	32.29
12	143.10	137.20	1285.10	4392.20	32.01
13	143.20	131.20	1285.40	4404.20	33.57
14	153.90	121.80	1286.20	4436.30	36.42
15	135.90	91.40	1287.30	4480.80	49.02
16	142.20	114.20	1288.00	4509.30	39.49
17	120.30	134.50	1287.70	4497.00	33.43
18	131.90	156.30	1287.10	4472.70	28.16
19	114.70	165.10	1285.80	4420.20	26.77
20	122.00	175.70	1284.50	4368.30	24.86
21	125.60	178.90	1283.10	4313.10	24.11
22	123.50	178.00	1281.70	4258.40	23.92
23	132.40	174.90	1280.60	4215.90	24.10
24	129.80	154.80	1280.00	4192.90	27.08
25	126.40	116.80	1280.20	4200.50	35.96
26	123.90	154.50	1279.40	4169.90	26.99
27	131.30	123.60	1279.60	4177.50	33.79
28	130.30	145.60	1279.20	4162.30	28.58
29	139.80	166.50	1278.50	4135.60	24.84
30	150.10	142.50	1278.70	4143.20	29.07
31	155.90	94.80	1280.30	4204.30	44.35
MEAN			1283.74		32.71

Table AI3 Lake Roosevelt Reservoir monthly mean midnight elevations from 1980 to 1990, compiled from United States Geological Survey Tables. USGS Office, Spokane, WA.

YEAR	J A N	F E B	MAR	APR	MAY	J U N	JUL	AUG	S E P	OCT	NOV	DEC
1980	1,271	1,254	1,243	1,232	1,275	1,290	1,289	1,288	1,287	1,287	1,287	1,287
1981	1,287	1,285	1,282	1,266	1,266	1,288	1,290	1,290	1,288	1,288	1,287	1,286
1982	1,285	1,281	1,252	1,216	1,227	1,270	1,288	1,289	1,288	1,288	1,285	1,286
1983	1,287	1,287	1,262	1,228	1,227	1,271	1,289	1,288	1,286	1,286	1,288	1,284
1984	1,286	1,285	1,280	1,265	1,244	1,272	1,283	1,286	1,286	1,285	1,286	1,284
1985	1,282	1,268	1,240	1,229	1,224	1,266	1,278	1,283	1,285	1,279	1,284	1,265
1986	1,282	1,285	1,286	1,268	1,249	1,279	1,286	1,286	1,287	1,288	1,286	1,284
1987	1,286	1,287	1,286	1,280	1,280	1,277	1,286	1,287	1,287	1,286	1,286	1,281
1988	1,268	1,265	1,254	1,253	1,268	1,273	1,284	1,285	1,283	1,286	1,283	1,260
1989	1,246	1,231	1,225	1,231	1,246	1,260	1,279	1,281	1,287	1,288	1,287	1,287
1990	1,288	1,286	1,279	1,262	1,260	1,272	1,288	1,288	1,286	1,287	1,288	1,284
Ten year.Mean	1,279	1,274	1,263	1,248	1,251	1,274	1,285	1,286	1,286	1,286	1,286	1,281

APPENDIX B
CREEL SURVEY DATA

Table B1 Code number and name of locations creeled on Lake Roosevelt for the 1990 study period. Major access locations are presented in bold.

01	Northport	25	Ponderosa
02	China Bend	26	Dettillion
03	North Gorge	27	Porcupine Bay
04	Snag Cove	28	Bull Pasture Dock
05	Evans	29	Sand Bar (Spokane River)
06	Marcus Island	30	Little Falls Boat Launch
07	Kamloops	31	Little Falls Dam
08	Kettle Falls Marina	32	Seven Bays Marina
09	Sherman Creek	33	Hawk Creek
10	Haag Cove	34	Halverson Canyon
11	Bradbury Beach	35	Whitestone
12	Barnaby Creek	36	Jones Bay
13	Daisy	37	Pheonix Canyon
14	Clover Leaf	38	Keller Ferry Marina
15	Gifford Campground	39	Keller Ferry (S)
16	Gifford Ferry	40	Keller Ferry (N)
17	Inchelium	41	Keller Park
18	Hunters	42	Silver Creek
19	Rogers Bar	43	Sanpoil River
20	Enterprise	44	Swawilla Basin
21	Fort Spokane	45	Plum Point
22	Pierre	46	Spring Canyon
23	Mcoy's Marina	47	Crescent Bay
24	Crystal Cove	48	Coulee Dam

Table B2 Mean and mid-month values for sunrise (SR) and sunset (SS) times for the mean latitude of Lake Roosevelt as gathered from the 1990 Nautical Almanac.

	JAN.		FEB.		MAR.		APR.	
	SR	SS	SR	SS	SR	SS	SR	SS
Mean	7:51	16:28	7:11	17:07	6:14	18:04	5:07	18:54
Mid-month	7:54	16:25	7:09	17:20	6:14	18:04	5:10	18:52

	MAY		JUNE		JULY		AUG.	
	SR	SS	SR	SS	SR	SS	SR	SS
Mean	4:15	19:39	3:52	20:08	4:18	20:01	4:51	19:27
Mid-month	4:16	19:38	3:50	20:11	4:08	20:03	4:49	19:19

	SEP.		OCT.		NOV.		DEC.	
	SR	SS	SR	SS	SR	SS	SR	SS
Mean	5:36	18:13	6:22	17:05	7:11	16:16	7:50	16:00
Mid-month	5:34	18:17	6:20	17:12	7:14	16:15	7:53	15:58

Table B3

Mean hours for weekday and weekend stratum as creel by creel clerks from January to December 1990.

	Weekday		Weekend	
	a.m.	p.m.	a.m.	p.m.
January	60.32	66.22	23.00	17.50
February	51.08	50.44	16.00	18.95
March	56.22	69.77	25.25	27.37
April	51.68	69.74	17.75	26.92
May	56.20	77.61	27.63	37.25
June	45.61	58.74	17.87	22.40
July	54.12	64.80	21.50	31.45
August	42.79	80.13	21.93	28.21
September	34.93	48.07	26.28	34.21
October	59.14	55.15	26.63	22.18
November	47.27	42.19	20.76	18.80
December	13.10	18.70	6.75	7.90
Sum	572.5	401.6	251.4	289.2
Annual X	58.8	41.2	46.2	53.8

Table B4 Percent and (number) of boats fishing and not fishing during a.m. and p.m. hours on weekdays (wd) and weekends (we) on Lake Roosevelt for 1990.

Month		a.m.		p.m.	
		Fishing (N)	Not Fishing (N)	Fishing (N)	Not Fishing (N)
January	weekday	100% (4)	(0)	100% (1)	- (0)
	weekend	100% (3)	(0)	100% (5)	- (0)
February	wd	(0)	(0)	100% (3)	- (0)
	we	75% (3)	25% (1)	(0)	- (0)
March	wd	100% (25)	(0)	100% (51)	- (0)
	we	100% (14)	(0)	100% (14)	- (0)
April	wd	100% (22)	(0)	100% (34)	- (0)
	we	92% (12)	8% (1)	100% (15)	- (0)
May	wd	100% (7)	(0)	86% (19)	14% (3)
	we	100% (8)	(0)	82% (18)	18% (4)
June	wd	69% (18)	31% (8)	87% (28)	13% (4)
	we	42% (5)	58% (7)	55% (11)	45% (9)
July	wd	82% (23)	18% (5)	53% (32)	47% (28)
	we	19% (6)	81% (25)	25% (27)	75% (25)
August	wd	23% (11)	77% (36)	42% (51)	58% (71)
	we	27% (6)	73% (16)	20% (7)	80% (28)
September	wd	66% (47)	34% (24)	41% (24)	59% (34)
	we	100% (8)	(0)	67% (6)	33% (3)
October	wd	94% (17)	6% (1)	94% (17)	6% (1)
	we	100% (8)	(0)	93% (28)	7% (2)
November	wd	100% (10)	(0)	(0)	- (0)
	we	95% (18)	5% (1)	49% (25)	50% (26)
December	wd	100% (5)	(0)	100% (7)	- (0)
	we	100% (1)	(0)	100% (3)	- (0)
Annual \bar{X}	wd	72% (189)	28% (74)	65% (267)	35% (141)
	we	64% (92)	36% (51)	61% (159)	39% (97)
TOTAL		69% (281)	31% (125)	64% (426)	36% (238)

Table B5 Mean values and standard deviations of boat trailer and shore angler counts, obtained by creel clerks during pressure counts on Lake Roosevelt, WA for January to December, 1990.

	Boat Trailer Mean Cbt	Boat Trailer SD	Shore Angler Mean Xd	Shore Anglers SD Sd
January				
Weekday				
A M	3	0	8.5	3.54
P M	10	4.24	11.5	9.19
Weekend				
A M	4	0	16.5	7.78
P M	3	1.41	7.5	6.36
February				
Weekday				
A M	8.5	2.12	19.5	0.71
P M	3	1.41	18	4.24
Weekend				
A M	6.5	6.36	14.5	2.12
P M	4	1.41	7	1.41
March				
Weekday				
A M	6.5	0.71	4	5.66
P M	7	5.66	22.5	6.36
Weekend				
A M	6	4.24	11.5	10.61
P M	27	9.9	74.5	27.58
April				
Weekday				
A M	8.5	4.95	7	9.9
P M	17	0	16.5	9.19
Weekend				
A M	30.5	43.13	22.5	31.82
P M	20	8.49	12.5	7.78
May				
Weekday				
AM	5.5	0.71	12.5	0.71
P M	10	2.83	4	0

Table B5 continued

	Boat Trailer Mean Cbt	Boat Trailer SD	Shore Angler Mean Xd	Shore Anglers SD Sd
May				
Weekend				
A M	17.5	9.19	12	5.66
P M	23.5	16.26	24.5	12.02
June				
Weekday				
A M	14	1.41	12	4.24
P M	90.5	48.79	14	9.9
Weekend				
A M	33.5	28.99	13.5	13.44
P M	123	142.84	21.5	19.09
July				
Weekday				
A M	113	79.2	10.5	9.19
P M	226.5	106.77	10.5	9.19
Weekend				
A M	420	11.31	33.5	13.44
P M	577.5	7.78	8.5	3.54
August				
Weekday				
A M	203.5	40.31	6.5	0.71
P M	95	89.1	10	7.07
Weekend				
A M	165.5	94.05	6.5	0.71
P M	235	55.15	9.5	4.95
September				
Weekday				
A M	102	18.38	5.5	3.54
P M	60	39.6	14	7.07
Weekend				
A M	166.5	9.19	12	4.24
P M	215	11.31	8	4.24
October				
Weekday				
A M	27.5	14.85	3	1.41
P M	23	2.83	5.5	0.71

Table B 5 continued

	Boat Trailer Mean Cbt	Boat Trailer SD	Shore Angler Mean Xd	Shore Anglers SD Sd
October				
Weekend				
A M	56	11.31	14	14.14
P M	51	25.46	18	4.24
November				
Weekday				
A M	5.5	2.12	9.5	4.95
P M	8	2.83	2.5	3.54
Weekend				
A M	40.5	17.68	12.5	0.71
P M	30.5	31.82	25.5	10.61
December				
Weekday				
A M	7	0.00	20	0.00
P M	11	0.00	18	0.00
Weekend				
A M	13	0.00	12	0.00
P M	15	0.00	16	0.00
Annual Means				
Weekday				
A M	501	35.36	108.5	16.26
P M	555.5	6.36	138	7.07
Weekend				
A M	953	124.45	175	48.08
PM	1317	18.38	225	7.07

Table B6 Values used to develop the adjusted mean number of boat anglers within each stratum for the month, based upon a correction factor developed from boat trailer counts from creel surveys and boat counts from air surveys.

	Boat trailer count creel	Boat count from air	Correction factor (Air/ground)	Mean boat trailers for the day	% Boat fishing	Mean # angler /boat	SD. # angler /boat	corrected mean # anglers /boat	corrected sd # angler! /boat
	Bc	Ba	CFb	Cbt	Bf	Ab		Xd	Sd
January									
Weekday									
A M	0	4	3.09	3.00	1	2.17	0.24	20.12	2.22
P M	2	12	6.00	10.00	1	1	0	60.00	0.00
Weekend									
A M		0	1.84	4.00	1	1	0	7.36	0.00
P M	0	23	1.62	3.00	1	1.2	0.45	5.83	2.19
February									
Weekday									
A M	0	1	3.09	8.50	0.72	2	0	37.82	0.00
P M	2	13	6.50	3.00	1	1.5	0	29.25	0.00
Weekend									
A M		16	1.84	6.50	0.75	2	0	17.94	0.00
P M	0	15	1.62	4.00	0.61	2	0	7.91	0.00
March									
Weekday									
A M	0	25	3.09	6.50	1	2.04	0.22	40.97	4.42
P M	3	11	3.67	7.00	1	2.28	0.64	58.52	16.43
Weekend									
A M	0	93	1.84	6.00	1	2.6	0.5	28.70	5.52
P M	23	76	3.30	27.00	1	2.5	0.4	223.04	35.69

Table B6 continued

	Boat trailer count creel	Boat count from air	Correction factor (Air/ground)	Mean boat trailers for the day	% Boat fishing	Mean # angler /boat	S.D. # angler /boat	corrected mean # anglers /boat	corrected sd # angler: /boat
	Bc	Ba	Cfb	Cbt	Bl	Ab		Xd	Sd
April									
Weekday									
A M	8	43	5.38	8.50	1	1.78	0.89	81.32	40.66
P M	12	33	2.75	17.00	1	2.22	0.45	103.79	21.04
Weekend									
A M	58	111	1.91	30.50	0.92	1.83	0.83	98.27	44.57
P M	42	105	2.50	20.00	1	2.21	0.57	110.50	28.50
May									
Weekday									
A M	7		3.09	5.50	1.00	2.00	1.16	33.99	19.71
P M	10	28	2.80	10.00	0.86	2.30	0.88	55.38	21.19
Weekend									
A M	0		1.84	17.50	1.00	2.75	0.35	88.55	11.27
P M	0	68	1.62	23.50	0.82	1.65	0.49	51.51	15.30
June									
Weekday									
A M	9	41	4.56	14.00	0.69	2.00	0.56	88.01	24.64
P M	113	89	0.79	90.50	0.85	2.20	0.76	133.29	46.05
Weekend									
A M	24	297	12.38	33.50	0.42	2.00	0	348.23	0.00
P M	167	519	3.11	123.00	0.55	1.15	0.84	241.78	176.60

Table B6 continued

	Boat trailer count creel	Boat count from air	Correction factor (Air/ground)	Mean boat trailers for the day	% Boat fishing	Mean # angler /boat	S. D. # angler /boat	corrected mean # anglers /boat	corrected sd # anglers /boat
	Bc	Ba	Cfb	Cbt		Ab		Xd	Sd
July									
Weekday									
A M	47	129	2.74	113.00	0.82	1.77	0.92	450.15	233.98
P M	128	353	2.76	226.50	0.53	1.22	0.96	403.90	317.82
Weekend									
A M	327	456	1.39	420.00	0.19	1.23	1.38	136.88	153.57
P M	572	626	1.09	577.50	0.25	0.61	0.78	96.38	123.24
August									
Weekday									
A M	26	220	8.46	203.50	0.23	0.64	0.77	253.47	304.95
P M	188	167	0.89	95.00	0.42	1.18	0.87	41.82	30.84
Weekend									
A M	99	261	2.64	165.50	0.27	0.46	0.65	54.19	76.57
P M	174		1.62	235.00	0.2	0.34	0.7	25.89	53.30
September									
Weekday									
A M	89	117	1.31	102.00	0.66	1.63	0.44	144.25	38.94
P M	36	96	2.67	60.00	0.41	1.84	0.77	120.70	50.51
Weekend									
A M	169	205	1.21	166.50	1	2.09	0.27	422.11	54.53
P M	234	295	1.26	215.00	0.67	1.85	1	335.96	181.60

Table B6 continued

	Boat trailer count creel	Boat count from air	Correction factor (Air/ground)	Mean boat trailers for the day	% Boat fishing	Mean # angler /boat	S.D. # angler /boat	corrected mean # anglers /boat	corrected sd # anglers /boat
	Bc	Ba	Cfb	Cbt	Bl	Ab		Xd	Sd
October									
Weekday									
A M	37	41	1.11	27.50	0.94	2	0	57.29	0.00
P M	21	24	1.14	23.00	0.94	1.92	0.98	47.44	24.21
Weekend									
A M	44	55	1.25	56.00	1	2.43	0.43	170.10	30.10
P M	43	87	2.02	51.00	0.93	1.86	0.54	178.49	51.82
November									
Weekday									
A M			3.09	5.50	1	2	0	33.99	0.00
P M			1.61	8.00	0.65	1.83	0.24	15.32	2.01
Weekend									
A M	27	35	1.30	40.50	0.95	2	0	99.75	0.00
P M			1.62	30.50	0.45	2.5	0.36	55.59	8.00
December									
Weekday									
A M	4	8	2.00	7.00	1	1.17	0.76	16.38	10.64
P M	11	12	1.09	11.00	1	1.89	0.19	22.68	2.28
Weekend									
A M	0	32	1.84	13.00	1	1	0	23.92	0.00
P M			1.62	15.00	1	2	0	48.60	0.00

Table B6 continued

	Boat trailer count creel	Boat count from air	Correction factor (Air/ground)	Mean boat trailers for the day	% Boat fishing	Mean # angler /boat	S. D. # angler /boat	corrected mean # anglers /boat	corrected sd # anglers /boat
	Bc	Ba	Cfb	Cbt	B	Ab		Xd	Sd
Annual									
Weekday									
A M	22.30	69.00	3.09	45.23	0.82	0.27	0.32	1.22	3.76
P M	47.18	75.82	1.61	46.42	0.80	0.50	0.62	1.25	2.00
Weekend									
A M	83.11	152.90	1.84	86.05	0.77	0.42	0.54	1.30	2.40
P M	114.09	184.60	1.62	110.21	0.70	0.43	0.62	1.43	2.32

Table B7 Values used to calculate angler hours per angler for each stratum from January to December of 1990.

	Total hours spent fishing	No. of anglers interviewed	Angler hours per angler (Ha)
JANUARY			
WEEK DAY			
SHORE AM	105	59	1.78
SHORE PM	413	121	3.42
BOAT AM	40	7	5.64
BOAT PM	5	1	5.00
WEEKEND			
SHORE AM	58	32	1.80
SHORE PM	132	38	3.48
BOAT AM	10	4	2.50
BOAT PM	18	5	3.60
Totals	781	267	2.92
FEBRUARY			
WEEKDAY			
SHORE AM	155	74	2.10
SHORE PM	271	86	3.15
BOAT AM	5	5	1.00
BOAT PM	3	4	0.63
WEEKEND			
SHORE AM	33	19	1.75
SHORE PM	109	50	2.18
BOAT AM	14	4	3.38
BOAT PM	19	4	4.75
Totals	609	246	2.47
MARCH			
WEEKDAY			
SHORE AM	142	51	2.77
SHORE PM	219	107	2.05
BOAT AM	104	41	2.52
BOAT PM	355	88	4.03
WEEKEND			
SHORE AM	25	21	1.17
- P M	343	100	3.43
BOAT AM	29	52	0.55
BOAT PM	327	73	4.48
Totals	1544	533	2.89

Table B7 continued

	Total hours spent fishing	No. of anglers interviewed	Angler hours per angler (Ha)
APRIL			
WEEKDAY			
SHORE AM	25	11	2.27
SHORE PM	157	66	2.38
BOAT AM	109	44	2.47
BOAT PM	314	63	4.98
WEEKEND			
SHORE AM	14	6	2.33
SHORE PM	45	38	1.18
BOAT AM	32	29	1.10
BOAT PM	146	35	4.16
Totals	842	292	2.88
MAY			
WEEKDAY			
SHORE AM	19	15	1.27
SHORE PM	39	23	1.67
BOAT AM	17	16	1.06
BOAT PM	145	36	4.03
WEEKEND			
SHORE AM	2	2	1.00
SHORE PM	3	2	1.50
BOAT AM	21	14	1.50
BOAT PM	36	37	3.68
Totals	282	145	1.94
JUNE			
WEEKDAY			
SHORE AM	14	11	1.27
SHORE PM	2	5	0.40
BOAT AM	31	44	0.71
BOAT PM	153	52	2.94
WEEKEND			
SHORE AM	0	0	1.39
SHORE PM	0	0	2.54
BOAT AM	14	9	1.56
BOAT PM	79	23	3.41
Totals	293	144	2.03

• annual mean values

Table B7 continued

	Total hours spent fishing	No. of anglers interviewed	Angler hours per angler (Ha)
JULY			
WEEKDAY			
SHORE AM	21	17	1.24
SHORE PM	77	30	2.57
BOAT AM	124	46	2.70
BOAT PM	184	57	3.23
WEEKEND			
SHORE AM	0	0	1.39
SHORE PM	13	5	2.50
BOAT AM	39	17	2.29
BOAT PM	249	57	4.36
Totals	707	229	3.08
AUGUST			
WEEKDAY			
SHORE AM	26	21	1.24
SHORE PM	53	29	1.83
BOAT AM	33	17	1.94
BOAT PM	296	102	2.9
WEEKEND			
SHORE AM	4	4	0.88
SHORE PM	40	23	1.73
BOAT AM	17	8	2.13
BOAT PM	40	10	4.00
Totals	509	214	2.37
SEPTEMBER			
WEEKDAY			
SHORE AM	33	25	1.30
SHORE PM	123	51	2.41
BOAT AM	22	44	0.50
BOAT PM	278	135	2.06
WEEKEND			
SHORE AM	24	12	1.96
- P M	52	29	1.79
BOAT AM	117	102	1.15
BOAT PM	282	87	3.24
Totals	931	485	1.92

• annual mean values

Table B 7 continued

	Total hours spent fishing	No. of anglers interviewed	Angler hours per angler (Ha)
OCTOBER			
WEEKDAY			
SHORE AM	36	8	4.44
SHORE PM	82	15	5.47
BOAT AM	31	40	0.76
BOAT PM	80	32	2.50
WEEKEND			
SHORE AM	28	21	1.31
SHORE PM	14	3	4.67
BOAT AM	15	20	0.73
BOAT PM	237	57	4.15
Totals	523	196	2.67
NOVEMBER			
WEEKDAY			
SHORE AM	48	31	1.53
SHORE PM	12	21	0.57
BOAT AM	81	14	5.75
BOAT PM	6	6	1.00
WEEKEND			
SHORE AM	6	13	0.46
SHORE PM	20	4	4.88
BOAT AM	13	29	0.45
BOAT PM	163	69	2.36
Totals	349	187	1.86
DECEMBER			
WEEKDAY			
SHORE AM	19	14	1.38
SHORE PM	9	8	1.09
BOAT AM	1	10	0.10
BOAT PM	27	10	2.65
WEEKEND			
SHORE AM	8	6	1.25
SHORE PM	16	24	0.65
BOAT AM	2	2	1.00
BOAT PM	7	3	2.33
Totals	89	77	1.15

Table B7 continued

	Total hours spent fishing	No. of anglers interviewed	Angler hours per angler (Ha)
ANNUAL MEANS			
WEEKDAY			
SHORE AM			1.88
SHORE PM			2.23
BOAT AM			2.07
BOAT PM			2.96
WEEKEND			
SHORE AM			1.39
SHORE PM			2.54
BOAT AM			1.48
BOAT PM			3.67

Table B8 Monthly values for calculation of pressure estimates for Lake Roosevelt, from January to December, 1990

	Hours per day	Days per month	Hours per month	Hours creeled per month	Time corr. factor	Angler hours per angler	Mean anglers per month	± anglers per month	Pressure Estimate per month	Variance of Pressure Estimate	95% C.I. per month
	Hd	Ds	Ns	n	Ns/n	Ha	xs	ss	PE	VPE	CI
JANUARY											
SHORE AM	4.25	22	93.5	60.32	1.55	1.78	187	77.88	516	9402	136
SHORE PM	4.50	22	99	66.22	1.5	3.42	253	202.18	1294	61111	346
BOAT AM	4.25	22	93.5	60.32	1.55	5.64	442.64	48.84	3870	3697	85
BOAT PM	4.50	22	99	66.22	1.5	5	1320	0	9867	0	0
WEEKEND											
SHORE AM	4.25	9	38.25	23	1.66	1.8	148.5	70.02	445	8154	126
SHORE PM	4.50	9	40.5	17.5	2.31	3.48	67.5	57.24	544	7583	122
BOAT AM	4.25	9	38.25	23	1.66	2.5	66.24	0	275	0	0
BOAT PM	4.50	9	40.5	17.5	2.31	3.6	52.47	19.71	437	899	42
FEBRUARY											
WEEKDAY											
SHORE AM	4.75	20	95	51.08	1.86	2.1	390	14.2	1523	375	27
SHORE PM	5.00	20	100	50.44	1.98	3.15	360	84.8	2248	14257	167
BOAT AM	4.75	20	95	51.08	1.86	1	756.4	0	1407	0	0
BOAT PM	5.00	20	100	50.44	1.98	0.63	585	0	731	0	0
WEEKEND											
SHORE AM	4.75	8	38	16	2.38	1.75	116	16.96	482	683	37
SHORE PM	5.00	8	40	18.95	2.11	2.18	56	11.28	258	269	23
BOAT AM	4.75	8	38	16	2.38	3.38	143.52	0	1152	0	0
BOAT PM	5.00	8	40	18.95	2.11	4.75	63.28	0	634	0	0

Table B8 Contintued

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	Hours per day	Days per month	Hours per month	Hours creeled per month	Time corr. factor	Angler hours per angler	Mean anglers per month	± anglers per month	Pressure Estimate per month	Variance of Pressure Estimate	95% C.I. per month
	Hd	Ds	Ns	n	NsIn	Ha	xs	ss	PE	VPE	CI
MARCH											
WEEKDAY											
SHORE AM	5.75	22	126.5	56.22	2.25	2.77	88	124.52	548	34888	261
SHORE PM	6.00	22	132	69.77	1.89	2.05	495	139.92	1920	37039	269
BOAT AM	5.75	22	126.5	56.22	2.25	2.52	901.34	97.24	5111	21276	204
BOAT PM	6.00	22	132	69.77	1.89	4.03	1287.44	361.46	9816	247187	696
WEEKEND											
SHORE AM	5.75	8	46	25.25	1.82	1.17	92	84.88	196	13125	160
SHORE PM	6.00	8	48	27.37	1.75	3.43	596	220.64	3585	85376	409
BOAT AM	5.75	8	46	25.25	1.82	0.55	229.6	44.16	230	3553	83
BOAT PM	6.00	8	48	27.37	1.75	4.48	1784.32	285.52	14019	142968	529
APRIL											
WEEKDAY											
SHORE AM	7.00	21	147	51.68	2.84	2.27	147	207.9	949	122943	491
SHORE PM	7.00	21	147	69.74	2.11	2.38	346.5	192.99	1738	78506	392
BOAT AM	7.00	21	147	51.68	2.84	2.47	1707.72	853.86	11998	2073806	2016
BOAT PM	7.00	21	147	69.74	2.11	4.98	2179.59	441.84	22879	411496	898
WEEKEND											
SHORE AM	7.00	9	63	17.74	3.55	2.33	202.5	286.38	1676	291254	756
SHORE PM	7.00	9	63	26.92	2.34	1.18	112.5	70.02	311	11474	150
BOAT AM	7.00	9	63	17.74	3.55	1.1	884.43	401.13	3455	571422	1058
BOAT PM	7.00	9	63	26.92	2.34	4.16	994.5	256.5	9682	153971	549

Table B8 Contintued

35

	Hours per day	Days per month	Hours per month	Hours creeled per month	Time corr. factor	Angler hours per angler	Mean anglers per month	± anglers per month	Pressure Estimate per month	Variance of Pressure Estimate	95% C.I. per month
	Hd	Ds	Ns	n	NsIn	Ha	xs	ss	PE	VPE	CI
MAY											
WEEKDAY											
SHORE AM	7.75	22	170.5	56.20	3.03	1.27	275	15.62	1060	740	38
SHORE PM	7.75	22	170.5	77.61	2.20	1.67	88	0	323	0	0
BOAT AM	7.75	22	170.5	56.20	3.03	1.06	747.8	433.62	2405	570436	1057
BOAT PM	7.75	22	170.5	77.61	2.20	4.03	1218.4	466.2	10787	477435	967
NEEKEND											
SHORE AM	7.75	9	69.75	27.63	2.52	1.00	108	50.94	273	6551	113
SHORE PM	7.75	9	69.75	37.25	1.87	1.50	220.5	108.18	619	21914	207
BOAT AM	7.75	9	69.75	27.63	2.52	1.50	796.95	101.43	3018	25971	226
BOAT PM	7.75	9	69.75	37.25	1.87	3.68	4463.6	137.7	3194	35505	264
JUNE											
WEEKDAY											
SHORE AM	8.25	22	181.5	45.61	3.98	1.27	264	93.28	1334	34625	261
SHORE PM	8.25	22	181.5	57.36	3.16	0.40	308	217.8	390	150101	542
BOAT AM	8.25	22	181.5	45.61	3.98	0.71	1936.2	534.38	5471	1136363	1494
BOAT PM	8.25	22	181.5	57.36	3.16	2.94	2932.4	1013.1	27279	3247672	2523
NEEKEND											
SHORE AM	8.25	8	66	17.87	3.69	1.39	108	107.52	554	42697	289
SHORE PM	8.25	8	66	21.82	3.02	2.54	172	152.72	1321	70547	372
BOAT AM	8.25	8	66	17.87	3.69	1.156	2785.8	0	16051	0	0
BOAT PM	8.25	8	66	21.82	3.02	3.41	1934.24	1412.8	19951	6037408	3440

Table B 8 Contintued

36

	Hours per day	Days per month	Hours per month	Hours creeied per month	Time corr. factor	Angler hours per angler	Mean anglers per month	± anglers per month	Pressure Estimate per month	Variance of Pressure Estimate	95% C.I. per month
	Hd	Ds	Ns	n	Ns/n	Ha	xs	ss	PE	VPE	CI
JULY											
WEEKDAY											
SHORE AM	7.75	21	162.75	54.12	3.01	1.24	220.5	192.99	822	112004	469
SHORE PM	8.00	21	168	64.8	2.59	2.57	220.5	192.99	1469	96561	435
BOAT AM	7.75	21	162.75	54.12	3.01	2.7	9453.15	4913.58	76754	72603787	11929
BOAT PM	8.00	21	168	64.8	2.59	3.23	8481.9	6674.22	71028	115487588	15045
WEEKEND											
SHORE AM	7.75	10	77.5	21.5	3.6	1.39	335	134.4	1679	65112	357
SHORE PM	8.00	10	80	31.45	2.54	2.5	85	35.4	541	3188	79
BOAT AM	7.75	10	77.5	21.5	3.6	2.29	1368.8	1535.7	11299	8501117	4082
BOAT PM	8.00	10	80	31.45	2.54	4.36	963.8	1232.4	10689	3863427	2752
AUGUST											
WEEKDAY											
SHORE AM	7.25	23	166.75	42.79	3.9	1.24	149.5	16.33	722	1039	45
SHORE PM	7.50	23	172.5	80.13	2.15	1.83	230	162.61	906	56923	334
BOAT AM	7.25	23	166.75	42.79	3.9	1.94	5829.81	7013.85	44074	191706352	19384
BOAT PM	7.50	23	172.5	80.13	2.15	2.9	961.86	709.32	6005	1083124	1457
WEEKEND											
SHORE AM	7.25	8	58	21.93	2.64	0.88	52	5.68	121	85	13
SHORE PM	7.50	8	60	28.21	2.13	1.73	76	39.6	280	3335	81
BOAT AM	7.25	8	58	21.93	2.64	2.13	433.52	612.56	2442	992400	1395
BOAT PM	7.50	8	60	28.21	2.13	4	207.12	426.4	1762	386707	871

Table B8 Contintued

37

	Hours per day	Days per month	Hours per month	Hours creeied per month	Time corr. factor	Angler hours per angler	Mean anglers per month	± anglers per month	Pressure Estimate per month	Variance of Pressure Estimate	95% C.I. per month
	Hd	Ds	Ns	n	NsIn	Ha	xs	ss	PE	VPE	CI
SEPTEMBER											
WEEKDAY											
SHORE AM	6.50	19	123.5	34.93	3.54	1.3	104.5	67.26	480	15995	177
SHORE PM	6.25	19	118.75	48.07	2.47	2.41	266	134.33	1584	44576	296
BOAT AM	6.50	19	123.5	34.93	3.54	0.5	2740.75	739.86	4845	1935385	1948
BOATPM	6.25	19	118.75	48.07	2.47	2.06	2293.3	959.69	11670	2275210	2112
WEEKEND											
SHORE AM	6.50	11	71.5	26.28	2.72	1.96	132	46.64	704	5918	108
SHORE PM	6.25	11	68.75	34.21	2.01	1.79	88	46.64	317	4372	93
BOAT AM	6.50	11	71.5	26.28	2.72	1.15	4643.21	599.83	14528	978897	1385
BOATPM	6.25	11	68.75	34.21	2.01	3.24	3695.56	1997.6	24063	8019304	3965
OCTOBER											
WEEKDAY											
SHORE AM	5.75	23	132.25	59.14	2.24	4.44	69	32.43	685	2352	68
SHORE PM	5.00	23	115	55.15	2.09	5.47	126.5	16.33	1443	556	33
BOAT AM	5.75	23	132.25	59.14	2.24	0.76	1317.67	0	2239	0	0
BOATPM	5.00	23	115	55.15	2.09	2.5	1091.12	556.83	5688	646543	1126
WEEKEND											
SHORE AM	5.75	8	46	26.63	1.73	1.31	112	113.12	253	22104	208
SHORE PM	5.00	8	40	22.18	1.8	4.67	144	33.92	1213	2075	64
BOAT AM	5.75	8	46	26.63	1.73	0.73	1360.8	240.8	1716	100161	443
BOAT PM	5.00	8	40	22.18	1.8	4.15	1427.92	414.56	10687	309937	779

Table B8 Contintued

38

	Hours per day	Days per month	Hours per month	Hours creeied per month	Time corr. factor	Angler hours per angler	Mean anglers per month	± anglers per month	Pressure Estimate per month	Variance of Pressure Estimate	95% C.I. per month
	Hd	Ds	Ns	n	Ns/n	Ha	xs	ss	PE	VPE	CI
NOVEMBER											
WEEKDAY											
SHORE AM	4.75	21	99.75	47.27	2.11	1.53	199.5	103.95	644	22802	211
SHORE PM	4.25	21	89.25	42.19	2.12	0.57	52.5	74.34	63	11691	151
BOAT AM	4.75	21	99.75	47.27	2.11	5.75	713.79	0	8661	0	0
BOAT PM	4.25	21	89.25	42.19	2.12	1	321.72	42.21	681	3769	86
WEEKEND											
SHORE AM	4.75	9	42.75	20.76	2.06	0.46	112.5	6.39	107	84	13
SHORE PM	4.25	9	38.25	18.81	2.03	4.88	229.5	95.49	2277	18542	191
BOAT AM	4.75	9	42.75	20.76	2.06	0.45	897.75	0	832	0	0
BOATPM	4.25	9	38.25	18.81	2.03	2.36	500.31	72	2401	10542	144
DECEMBER											
WEEKDAY											
SHORE AM	4.25	9	38.25	13.1	2.92	1.38	180	0	725	0	0
SHORE PM	4.00	9	36	18.7	1.93	1.09	162	0	340	0	0
BOAT AM	4.25	9	38.25	13.1	2.92	0.1	147.42	95.76	43	26775	229
BOATPM	4.00	9	36	18.7	1.93	2.65	204.12	20.52	1041	811	40
WEEKEND											
SHORE AM	4.25	4	17	6.75	2.52	1.25	48	0	151	0	0
SHORE PM	4.00	4	16	7.9	2.03	0.65	64	0	84	0	0
BOAT AM	4.25	4	17	6.75	2.52	1	95.68	0	241	0	0
BOATPM	4.00	4	16	7.9	2.03	2.33	194.4	0	917	0	0

Table B9 Values used to calculate angler hours per angler for each stratum for sturgeon anglers from January to December of 1990.

	Total Hours spent fishing	No. of anglers interviewed	Angler hours per angler
MARCH			
WEEKDAY			
SHORE AM	21.73	1	21.73
SHORE PM	62.6	9	6.96
WEEKEND			
SHORE AM			
SHORE PM	64	12	5.33
TOTALS	148.33	22	6.74
APRIL			
WEEKDAY			
SHORE AM	27	6	4.50
SHORE PM	76	8	9.50
WEEKEND			
SHORE AM			
SHORE PM	149	16	9.31
TOTAL	252	30	8.40
MAY			
WEEKDAY			
SHORE AM	9	8	1.13
SHORE PM	306	36	8.50
WEEKEND			
SHORE AM			
SHORE PM	74	32	2.31
TOTAL	389	76	5.12
JUNE			
WEEKDAY			
SHORE AM	50	14	3.57
SHORE PM	170	19	8.95
WEEKEND			
SHORE AM	105.5	13	8.12
SHORE PM	101	15	6.73
TOTAL	426.5	61	6.99

Table B9 continued

	Total Hours spent fishing	No. of anglers interviewed	Angler hours per angler
JULY			
WEEKDAY			
SHORE AM	9	4	2.25
SHORE PM	318	36	8.83
WEEKEND			
SHORE AM	10	1	10
SHORE PM	221	20	11.05
TOTAL	558	60	9.30
AUGUST			
WEEKDAY			
SHORE AM			
SHORE PM	48	10	4.80
WEEKEND			
SHORE AM	20	4	5.00
SHORE PM	110	18	6.11
TOTAL	178	32	5.56
SEPTEMBER			
WEEKDAY			
SHORE AM	9	2	4.50
SHORE PM			
WEEKEND			
SHORE AM			
SHORE PM	42	6	7.00
TOTAL	51	8	6.38
OCTOBER			
WEEKDAY			
SHORE AM	16	4	4.00
SHORE PM	50	5	10.00
WEEKEND			
SHORE AM			
SHORE PM			
TOTAL	66	9	7.33

Table B9 continued

	Total Hours spent fishing	No. of anglers interviewed	Angler hours per angler
NOVEMBER			
WEEKDAY			
SHORE AM			
SHORE PM	24	2	12.00
WEEKEND			
SHORE AM			
SHORE PM			
TOTAL	24	2	12.00

Table B12 Monthly catch, release and harvest of kokanee salmon by a.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat a. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	1	-	14	11	-	-	-	-	1	-	-	-	27
	Release	0	-	0	0	-	-	-	-	0	-	-	-	0
	Harvest	1	-	14	11	-	-	-	-	1	-	-	-	27
W E	Catch	-	1	3	17	-	-	-	-	-	-	-	-	21
	Release	-	0	0	0	-	-	-	-	-	-	-	-	0
	Harvest	-	1	3	17	-	-	-	-	-	-	-	-	21
Total	Catch	1	1	17	28	-	-	-	-	1	-	-	-	48
	Release	0	0	0	0	-	-	-	-	0	-	-	-	0
	Harvest	1	1	17	28	-	-	-	-	1	-	-	-	48

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Table B13 Monthly catch, release and harvest of kokanee salmon by p.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat p. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	-	-	27	54	2	4	-	1	-	3	-	-	91
	Release	-	-	0	0	1	0	-	0	-	0	-	-	1
	Harvest	-	-	27	54	1	4	-	1	-	3	-	-	90
W E	Catch	-	-	4	2	1	-	-	-	2	-	12	-	64
	Release	-	-	0	0	0	-	-	-	1	-	0	-	1
	Harvest	-	-	4	2	1	-	-	-	1	-	12	-	63
Total	Catch	-	-	74	56	3	4	-	1	2	3	12	-	155
	Release	-	-	0	0	1	0	-	0	1	0	0	-	2
	Harvest	-	-	74	56	2	4	-	1	1	3	12	-	153

Table B14 Annual catch, release and harvest of kokanee salmon by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	-	1	-	1	-	-	-	-	-	-	-	-	2
	Release	-	0	-	0	-	-	-	-	-	-	-	-	0
	Harvest	-	1	-	1	-	-	-	-	-	-	-	-	2
SHORE p. m.	Catch	-	2	-	1	-	-	-	-	-	-	-	-	3
	Release	-	0	-	0	-	-	-	-	-	-	-	-	0
	Harvest	-	2	-	1	-	-	-	-	-	-	-	-	3
BOAT a. m.	Catch	1	1	17	28	-	-	-	-	1	-	-	-	48
	Release	0	0	0	0	-	-	-	-	0	-	-	-	0
	Harvest	1	1	17	28	-	-	-	-	1	-	-	-	48
BOAT p. m.	Catch	-	-	74	56	3	4	-	1	2	3	12	-	155
	Release	-	-	0	0	1	0	-	0	1	0	0	-	2
	Harvest	-	-	74	56	2	4	-	1	1	3	12	-	153
Total	Catch	1	4	91	86	3	4	-	1	3	3	12	-	208
	Release	0	0	0	0	1	0	-	0	1	0	0	-	2
	Harvest	1	4	91	86	2	4	-	1	2	3	12	-	206

Table B15 Monthly catch, release and harvest of rainbow trout by a.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore a. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	37	24	28	2	3	-	6	1	-	10	6	2	119
	Release	0	0	0	0	0	-	0	0	-	0	0	0	0
	Harvest	37	24	28	2	3	-	6	1	-	10	6	2	119
W E	Catch	8	3	3	1	-	-	-	-	-	22	-	3	40
	Release	0	0	0	0	-	-	-	-	-	0	-	0	0
	Harvest	8	3	3	1	-	-	-	-	-	22	-	3	40
Total	Catch	45	27	31	3	3	-	6	1	-	32	6	5	159
	Release	0	0	0	0	0	-	0	0	-	0	0	0	0
	Harvest	45	27	31	3	3	-	6	1	-	32	6	5	159

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Table B16 Monthly catch, release and harvest of rainbow trout by p.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore p. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	99	26	48	7	-	-	27	2	-	1	3	9	222
	Release	0	0	1	0	-	-	0	1	-	0	0	0	2
	Harvest	99	26	47	7	-	-	27	1	-	1	3	9	220
W E	Catch	24	0	0	4	-	-	1	1	6	-	-	6	84
	Release	0	11	31	0	-	-	0	1	0	-	-	0	1
	Harvest	24			4	-	-	1	0	6	-	-	6	83
Total	Catch	123	37	79	11	-	-	28	3	6	1	3	15	306
	Release	0	0	1	0	-	-	0	2	0	0	0	0	3
	Harvest	123	37	78	11	-	-	28	1	6	1	3	15	303

Table B17 Monthly catch, release and harvest of rainbow trout by a.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat a. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	4	-	8	2	3	-	7	10	7	3	1	-	45
	Release	0	-	0	0	0	-	0	0	0	1	0	-	1
	Harvest	4	-	8	2	3	-	7	10	7	2	1	-	44
WE	Catch	-	1	1	2	-	3	1	2	21	4	1	-	36
	Release	-	0	0	0	-	0	0	0	0	1	0	-	1
	Harvest	-	1	1	2	-	3	1	2	21	3	1	-	35
Total	Catch	4	1	9	4	3	3	8	12	28	7	2	-	81
	Release	0	0	0	0	0	0	0	0	0	2	0	-	2
	Harvest	4	1	9	4	3	3	8	12	28	5	2	-	79

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Table B18 Monthly catch, release and harvest of rainbow trout by p.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat p. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	1	5	-	13	1	5	30	24	53	29	-	2	163
	Release	0	0	-	0	0	0	1	1	0	5	-	0	7
	Harvest	1	5	-	13	1	5	29	23	53	24	-	2	156
WE	Catch	8	-	-	1	7	10	15	-	14	35	44	3	137
	Release	0	-	-	0	0	0	7	-	0	2	0	0	9
	Harvest	8	-	-	1	7	10	8	-	14	33	44	3	128
Total	Catch	9	5	-	14	8	15	45	24	67	64	44	5	300
	Release	0	0	-	0	0	0	8	1	0	0	0	0	16
	Harvest	9	5	-	14	8	15	37	23	67	57	44	5	284

Table B19 Annual catch, release and harvest of rainbow trout by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEE	MAR	.APR	.MAY	JUN	JUL	AUG	SEP	OCT	NOV	E.C	ANNUAL TOTAL
SHORE a. m.	Catch	45	27	31	3	3	-	6	1	-	32	6	5	159
	Release	0	0	0	0	0	-	0	0	-	0	0	0	0
	Harvest	45	27	31	3	3	-	6	1	-	32	6	5	159
SHORE p. m.	Catch	123	37	79	11	-	-	28	3	6	1	3	15	306
	Release	0	0	1	0	-	-	0	2	0	0	0	0	3
	Harvest	123	37	78	11	-	-	28	1	6	1	3	15	303
BOAT a. m.	Catch	4	1	9	4	3	3	8	12	28	7	2	-	81
	Release	0	0	0	0	0	0	0	0	0	2	0	-	2
	Harvest	4	1	9	4	3	3	8	12	28	5	2	-	79
BOAT p. m.	Catch	9	5	-	14	8	15	45	24	67	64	44	5	300
	Release	0	0	-	0	0	0	8	1	0	7	0	0	16
	Harvest	9	5	-	14	8	15	37	23	67	57	44	5	286
Total	Catch	181	70	119	32	14	18	87	40	101	104	55	25	846
	Release	0	0	1	0	0	0	8	3	0	9	0	0	21
	Harvest	181	70	118	32	14	18	79	37	101	95	55	25	825

Table B20 Monthly catch, release and harvest of walleye by a.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore a. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
WD	Catch	-			1	4	-	3	4	-	1	-	-	13
	Release	-			0	4	-	0	1	-	0	-	-	5
	Harvest	-			1	0	-	3	3	-	1	-	-	
WE	Catch	-							2	-	-	-	-	2
	Release	-							1	-	-	-	-	1
	Harvest	-	-	-	-	-	-	-	1	-	-	-	-	1
Total	Catch	-	-	-	1	4	-	3	6	-	1	-	-	15
	Release	-	-	-	0	4	-	0	2	-	0	-	-	6
	Harvest	-	-	-	1	0	-	3	4	-	1	-	-	9

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Table B21 Monthly catch, release and harvest of walleye by p.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore p. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
WD	Catch			-	9	19	-	36	4	1	-	-		69
	Release			-	0	10	-	2	1	0	-	-		13
	Harvest			-	9	9	-	34	3	1	-	-		56
WE	Catch	1		-	4	1	-	-	2	1	-	-	-	9
	Release	0		-	3	1	-	-	0	0	-	-	-	4
	Harvest	1	-	-	1	0	-	-	2	1	-	-	-	5
Total	Catch	1		-	13	20	-	36	6	2	-	-		78
	Release	0		-	3	11	-	2	1	0	-	-		17
	Harvest	1		-	10	9	-	34	5	2	-	-		61

Table B22 Monthly catch, release and harvest of walleye by a.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat a. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
WD	Catch	-	-	4	-	6	13	33	9	-	-	1	-	66
	Release	-	-	0	-	0	7	5	3	-	-	1	-	16
	Harvest	-	-	4	-	6	6	28	6	-	-	0	-	50
WE	Catch	-	-	-	6	15	-	12	3	18	-	7	-	61
	Release	-	-	-	2	15	-	1	3	1	-	0	-	22
	Harvest	-	-	-	4	0	-	11	0	17	-	7	-	39
Total	Catch	-	-	4	6	21	13	45	12	18	-	8	-	127
	Release	-	-	0	2	15	7	6	6	1	-	1	-	38
	Harvest	-	-	4	4	6	6	39	6	17	-	7	-	89

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Table B23 Monthly catch, release and harvest of walleye by p.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat p. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
WD	Catch	1	2	-	5	9	74	30	42	28	-	-	-	191
	Release	1	0	-	3	0	9	11	6	4	-	-	-	34
	Harvest	0	2	-	2	9	65	19	36	24	-	-	-	157
WE	Catch	3	5	-	14	13	18	57	9	39	22	3	-	183
	Release	2	0	-	5	3	12	7	2	15	7	3	-	56
	Harvest	1	5	-	9	10	6	50	7	24	15	0	-	127
Total	Catch	4	7	-	19	22	92	87	51	67	22	3	-	374
	Release	3	0	-	8	3	21	18	8	19	7	3	-	90
	Harvest	1	7	-	11	19	71	69	43	48	15	0	-	284

Table B24 Annual catch, release and harvest of walleye by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a.m.	Catch	-	-	-	1	4	-	3	6	-	1	-	-	15
	Release	-	-	-	0	4	-	0	2	-	0	-	-	6
	Harvest	-	-	-	1	0	-	3	4	-	1	-	-	9
SHORE p.m.	Catch	1	-	-	13	20	-	36	6	2	-	-	-	78
	Release	0	-	-	3	11	-	2	1	0	-	-	-	17
	Harvest	1	-	-	10	9	-	34	5	2	-	-	-	61
BOAT a.m.	Catch	-	-	4	6	21	13	45	12	18	-	8	-	127
	Release	-	-	0	2	15	7	6	6	1	-	1	-	38
	Harvest	-	-	4	4	6	6	39	6	17	-	7	-	89
BOAT p.m.	Catch	4	7	-	19	22	92	87	51	67	22	3	-	374
	Release	3	0	-	8	3	21	18	8	19	7	3	-	90
	Harvest	1	7	-	11	19	71	69	43	48	15	0	-	284
Total	Catch	5	7	4	39	67	105	171	75	87	23	11	-	594
	Release	3	0	0	13	33	28	26	17	20	7	4	-	151
	Harvest	2	7	4	26	34	77	145	58	67	16	7	-	443

Table B25 Monthly catch, release and harvest of yellow perch by a.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore a.m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	-	1		-	-	-			1	-		-	2
	Release	-	0		-	-	-			1	-		-	1
	Harvest	-	1	-	-	-	-	-	-	0	-	-	-	1
W E	Catch	-			-	-	-						-	-
	Release	-			-	-	-					-	-	-
	Harvest	-			-	-	-					-	-	-
Total	Catch	-	1		-	-	-			1			-	2
	Release	-	0		-	-	-			1		-	-	1
	Harvest	-	1	-	-	-	-	-	-	0		-	-	1

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Table B26 Monthly catch, release and harvest of yellow perch by p.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore p.m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	--	--	--	--	--	--	.	.	.	.	.	.	-
	Release	-	-	-	-	-	-	.	.	.	.	.	.	-
	Harvest	--	--	--	--	--	--	.	.	.	.	.	.	-
W E	Catch	-	-	-	-	-	-	.	.	6	.	.	.	6
	Release	-	-	-	-	-	-	.	.	6	.	.	.	0
	Harvest	--	--	--	-	-	-	-	-	6	.	.	.	6
Total	Catch	--	--	--	--	--	--	.	.	6	.	.	.	6
	Release	--	--	--	--	--	-	.	.	6	.	.	.	0
	Harvest	--	--	--	-	-	-	.	.	6	.	.	.	6

Table B27 Monthly catch, release and harvest of yellow perch by a.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat a.m		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Caught				-	-	-	-	1	-	-	-	-	1
	Rel ease	-	-	-	-	-	-	-	0	-	-	-	-	0
	Harvest	-	-	-	-	-	-	-	1	-	-	-	-	1
WE	Caught	-	-	-	-	-	-	-	30	1	-	-	-	31
	Rel ease	-	-	-	-	-	-	-	30	0	-	-	-	30
	Harvest	-	-	-	-	-	-	-	0	1	-	-	-	1
Total	Caught	-	-	-	-	-	-	-	31	1	-	-	-	32
	Rel ease	-	-	-	-	-	-	-	30	0	-	-	-	30
	Harvest	-	-	-	-	-	-	-	1	1	-	-	-	2

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Table B28 Monthly catch, release and harvest of yellow perch by p.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat p.m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	-	-	-	-		-	-		2	-	-	-	2
	Rel ease	-	-	-	-		-	-		0	-	-	-	0
	Harvest	-	-	-	-		-	-		2	-	-	-	2
WE	Catch	-	-	-	-		-	-		4	-	-	-	4
	Release	-	-	-	-		-	-		2	-	-	-	2
	Harvest	-	-	-	-		-	-		2	-	-	-	2
Total	Catch	-	-	-	-		-	-		6	-	-	-	6
	Rel ease	-	-	-	-		-	-		2	-	-	-	2
	Harvest	-	-	-	-		-	-		4	-	-	-	4

Table B29 Annual catch, release and harvest of yellow perch by anglers during all stratum for Lake Roosevelt in 1990.

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		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	-	1	-	-	-	-	-	-	1	-	-	-	2
	Rel ease	-	0	-	-	-	-	-	-	1	-	-	-	1
	Harvest	-	1	-	-	-	-	-	-	0	-	-	-	1
SHORE p. m.	Catch	-	-	-	-	-	-	-	-	6	-	-	-	6
	Release	-	-	-	-	-	-	-	-	0	-	-	-	0
	Harvest	-	-	-	-	-	-	-	-	6	-	-	-	6
BOAT a. m.	Catch	-	-	-	-	-	-	-	31	1	-	-	-	32
	Release	-	-	-	-	-	-	-	30	0	-	-	-	30
	Harvest	-	-	-	-	-	-	-	1	1	-	-	-	2
BOAT p. m.	Catch	-	-	-	-	-	-	-	-	6	-	-	-	6
	Release	-	-	-	-	-	-	-	-	2	-	-	-	2
	Harvest	-	-	-	-	-	-	-	-	4	-	-	-	4
Total	Catch	-	1	-	-	-	-	-	31	14	-	-	-	46
	Rel ease	-	0	-	-	-	-	-	30	3	-	-	-	33
	Harvest	-	1	-	-	-	-	-	1	11	-	-	-	13

Table B30 Monthly catch, release and harvest of smallmouth bass by a.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore a. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
WD	Catch	-	-	-	-	-	-	2	7	-	-	-	-	9
	Release	-	-	-	-	-	-	2	1	-	-	-	-	3
	Harvest	-	-	-	-	-	-	0	6	-	-	-	-	6
WE	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
Total	Catch	-	-	-	-	-	-	2	7	-	-	-	-	9
	Release	-	-	-	-	-	-	2	1	-	-	-	-	3
	Harvest	-	-	-	-	-	-	0	6	-	-	-	-	6

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Table B31 Monthly catch, release and harvest of smallmouth bass by p.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore p. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
WD	Catch	-					-	-	-	-	2	-	-	2
	Release	-		-							0	-	-	0
	Harvest	-									2	-	-	2
WE	Catch	-							13	4	-	-	-	17
	Release	-		-					6	4	-	-	-	10
	Harvest	-		-					7	0	-	-	-	7
Total	Catch	-							13	4	2	-	-	19
	Release	-					1		6	4	0	-	-	10
	Harvest	-		-					7	0	7	-	-	14

Table B32 Monthly catch, release and harvest of smallmouth bass by a.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat a. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	-	-	-	-	-	1	-	2	1	-	-	-	4
	Release	-	-	-	-	-	0	-	0	1	-	-	-	1
	Harvest	-	-	-	-	-	1	-	2	0	-	-	-	3
W E	Catch	-	-	-	-	-	-	1	3	13	-	-	-	17
	Release	-	-	-	-	-	-	1	0	0	-	-	-	1
	Harvest	-	-	-	-	-	-	0	3	13	-	-	-	16
Total	Catch	-	-	-	-	-	1	1	5	14	-	-	-	21
	Release	-	-	-	-	-	0	1	0	1	-	-	-	2
	Harvest	-	-	-	-	-	1	0	5	13	-	-	-	19

Table B33 Monthly catch, release and harvest of smallmouth bass by p.m. boat anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Boat p. m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch	-	-	-	-	-	-	2	16	37	-	-	-	55
	Release	-	-	-	-	-	-	2	2	8	-	-	-	12
	Harvest	-	-	-	-	-	-	0	14	29	-	-	-	43
W E	Catch	-	-	-	-	-	-	2	-	4	1	-	-	7
	Release	-	-	-	-	-	-	0	-	2	1	-	-	3
	Harvest	-	-	-	-	-	-	2	-	2	0	-	-	4
Total	Catch	-	-	-	-	-	-	4	16	41	1	-	-	62
	Release	-	-	-	-	-	-	2	2	10	1	-	-	15
	Harvest	-	-	-	-	-	-	2	14	31	0	-	-	47

Table B34 Annual catch, release and harvest of smallmouth bass by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	-	-	-	-	-	-	2	7	-	-	-	-	9
	Release	-	-	-	-	-	-	2	1	-	-	-	-	3
	Harvest	-	-	-	-	-	-	0	6	-	-	-	-	6
SHORE p. m.	Catch	-	-	-	-	-	-	-	13	4	2	-	-	19
	Release	-	-	-	-	-	-	-	6	4	0	-	-	10
	Harvest	-	-	-	-	-	-	-	7	0	2	-	-	9
BOAT a. m.	Catch	-	-	-	-	-	1	1	5	14	-	-	-	21
	Release	-	-	-	-	-	0	1	0	1	-	-	-	2
	Harvest	-	-	-	-	-	1	0	5	13	-	-	-	19
BOAT p. m.	Catch	-	-	-	-	-	-	4	16	41	-	-	-	62
	Release	-	-	-	-	-	-	2	2	10	1	-	-	15
	Harvest	-	-	-	-	-	-	2	14	31	0	-	-	47
Total	Catch	-	-	-	-	-	1	7	41	59	3	-	-	111
	Release	-	-	-	-	-	0	5	9	15	1	-	-	30
	Harvest	-	-	-	-	-	1	2	32	44	2	-	-	81

Table B35 Annual catch, release and harvest of largemouth bass by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
SHORE p. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT p. m.	Catch	-	-	-	-	-	-	-	1 a	-	-	-	-	1
	Release	-	-	-	-	-	-	-	0	-	-	-	-	0
	Harvest	-	-	-	-	-	-	-	1	-	-	-	-	1
Total	Catch	-	-	-	-	-	-	-	1	-	-	-	-	1
	Release	-	-	-	-	-	-	-	0	-	-	-	-	0
	Harvest	-	-	-	-	-	-	-	1	-	-	-	-	1

a Weekday angler stratum

Table B36 Annual catch, release and harvest of suckers by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	2 a	-	-	-	-	-	-	-	-	-	-	-	2
	Release	2	-	-	-	-	-	-	-	-	-	-	-	2
	Harvest	0	-	-	-	-	-	-	-	-	-	-	-	0
SHORE p. m.	Catch	-	4 b	2 c	-	-	-	-	-	-	-	-	-	6
	Release	-	4	0	-	-	-	-	-	-	-	-	-	4
	Harvest	-	0	2	-	-	-	-	-	-	-	-	-	2
BOAT a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT p. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
Total	Catch	2	4	2	-	-	-	-	-	-	-	-	-	8
	Release	2	4	0	-	-	-	-	-	-	-	-	-	6
	Harvest	0	0	2	-	-	-	-	-	-	-	-	-	2

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- a Weekend angler stratum
- b Weekday and Weekend angler stratum
- c Weekday angler stratum

Table B37 Annual catch, release and harvest of squawfish by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	-	-	-	-	-	-	-	-	1 a	-	-	-	1
	Release	-	-	-	-	-	-	-	-	1	-	-	-	1
	Harvest	-	-	-	-	-	-	-	-	0	-	-	-	0
SHORE p. m.	Catch	-	-	-	-	-	-	-	1 b	-	-	1	b	2
	Release	-	-	-	-	-	-	-	-	0	-	-	1	1
	Harvest	-	-	-	-	-	-	-	-	1	-	-	0	1
BOAT a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT p. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
Total	Catch						-	-	-	2	-	-	1	3
	Release						-	-	-	1	-	-	1	2
	Harvest						-	-	-	1	-	-	0	1

a Weekday angler stratum

b weekend angler stratum

Table B38 Annual catch, release and harvest of black crappie by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUALTOTAL
SHORE a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
SHORE p. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT p. m.	Catch	-	-	-	-	-	-	-	-	100 a	-	-	-	100
	Release	-	-	-	-	-	-	-	-	0	-	-	-	0
	Harvest	-	-	-	-	-	-	-	-	100	-	-	-	100
Total	Catch	-	-	-	-	-	-	-	-	100	-	-	-	100
	Release	-	-	-	-	-	-	-	-	0	-	-	-	0
	Harvest	-	-	-	-	-	-	-	-	100	-	-	-	100

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a Weekday angler stratum

Table B39 Annual catch, release and harvest of chinook by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	-	1-	-	1-	-	1-	1-	-	1 a	- 1	-	-	1
	Release	-	-	-	-	-	-	-	-	0	-	-	-	0
	Harvest	-	-	-	-	-	-	-	-	1	-	-	-	1
SHORE p. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT p. m.	Catch	-	-	-	-	-	-	-	-	1 b	-	-	-	1
	Release	-	-	-	-	-	-	-	-	0	-	-	-	0
	Harvest	-	-	-	-	-	-	-	-	1	-	-	-	1
Total	Catch	-	-	-	-	-	-	-	-	2	-	-	-	2
	Release	-	-	-	-	-	-	-	-	0	-	-	-	0
	Harvest	-	-	-	-	-	-	-	-	2	-	-	-	2

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- a Weekend angler stratum
- b Weekday angler stratum

Table B40 Annual catch, release and harvest of bullhead by anglers during all stratum for Lake Roosevelt in 1990.

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		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	-
	Release	-	-	-	-	-	-	-	-	-	-	-	-	-
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	-
SHORE p. m.	Catch	-	-	1 a	-	-	-	-	-	-	-	-	-	1
	Release	-	-	1	-	-	-	-	-	-	-	-	-	1
	Harvest	-	-	0	-	-	-	-	-	-	-	-	-	0
BOAT a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	-
	Release	-	-	-	-	-	-	-	-	-	-	-	-	-
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	-
BOAT p. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	-
	Release	-	-	-	-	-	-	-	-	-	-	-	-	-
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	Catch	-	-	1	-	-	-	-	-	-	-	-	-	1
	Release	-	-	1	-	-	-	-	-	-	-	-	-	1
	Harvest	-	-	0	-	-	-	-	-	-	-	-	-	0

a Weekday angler stratum

Table B41 Monthly catch, release and harvest of sturgeon by a.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore a.m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch						5	-	-	1	1	-	-	7
	Release						1	-	-	0	0	-	-	1
	Harvest						4	-	-	1	1	-	-	6
W E	Catch							1	-	-	-	-	-	1
	Release							0	-	-	-	-	-	0
	Harvest	-	-	-	-	-		1	-	-	-	-	-	1
Total	Catch	-	-	-	-	-	5	1	-	1	1	-	-	8
	Release	-	-	-	-	-	1	0	-	0	0	-	-	1
	Harvest	-	-	-	-	-	4	1	-	1	1	-	-	7

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Table B42 Monthly catch, release and harvest of sturgeon by p.m. shore anglers during weekday (WD) and weekend (WE) stratum for Lake Roosevelt in 1990.

Shore p.m.		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
W D	Catch		-	-	-	-	1	4	-	-	-	-	-	5
	Release		-	-	-	-	1	1	-	-	-	-	-	2
	Harvest		-	-	-	-	0	3	-	-	-	-	-	3
W E	Catch		-	-	-	5		5	-	-	-	-	-	10
	Release		-	-	-	3		0	-	-	-	-	-	3
	Harvest	-	-	-	-	2		5	-	-	-	-	-	7
Total	Catch		-	-	-	5	1	9	-	-	-	-	-	15
	Release		-	-	-	3	1	1	-	-	-	-	-	5
	Harvest		-	-	-	2	0	8	-	-	-	-	-	10

Table B45 Annual catch, release and harvest of sturgeon by anglers during all stratum for Lake Roosevelt in 1990.

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL TOTAL
SHORE a. m.	Catch	-	-	-	-	-	5	1	-	1	1	-	-	8
	Rel ease	-	-	-	-	-	1	0	-	0	0	-	-	1
	Harvest	-	-	-	-	-	4	1	-	1	1	-	-	7
SHORE p. m.	Catch	-	-	-	-	5	1	9	-	-	-	-	-	15
	Rel ease	-	-	-	-	3	1	1	-	-	-	-	-	5
	Harvest	-	-	-	-	2	0	8	-	-	-	-	-	10
BOAT a. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
BOAT p. m.	Catch	-	-	-	-	-	-	-	-	-	-	-	-	
	Release	-	-	-	-	-	-	-	-	-	-	-	-	
	Harvest	-	-	-	-	-	-	-	-	-	-	-	-	
Total	Catch	-	-	-	-	5	6	10	-	1	1	-	-	23
	Rel ease	-	-	-	-	3	2	1	-	0	0	-	-	6
	Harvest	-	-	-	-	2	4	9	-	1	1	-	-	17

Table B62 Monthly catch CPUE estimates for all stratum by sturgeon anglers on Lake Roosevelt.

STRATUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Weekday shore a.m.	-	-	-	-	-	0.10	-	-	0.11	0.06	-	-
Weekday shore p.m.	-	-	-	-	-	0.01	0.02	-	-	-	-	-
Weekend shore a.m.	-	-	-	-	-	-	0.10	-	-	-	-	-
Weekend shore p.m.	-	-	-	-	0.07	-	0.02	-	-	-	-	-

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Table B63 Monthly harvest CPUE estimates for all stratum by sturgeon anglers on Lake Roosevelt.

STRATUM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Weekday shore a.m.	-	-	-	-	-	0.08	-	-	0.11	0.06	-	-
Weekday shore p.m.	-	-	-	-	-	-	0.01	-	-	-	-	-
Weekend shore a.m.	-	-	-	-	-	-	0.10	-	-	-	-	-
Weekend shore p.m.	-	-	-	-	0.03	-	0.02	-	-	-	-	-

Table B64 Monthly and annual catch estimates and \pm 95% confidence intervals for all fish species harvested by a.m. weekday shore anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee				38 ± 20									38 ± 20
Rainbow trout	181 ± 48	228 ± 4	110 ± 52	76 ± 39	212 ± 8		263 ± 150	14 ± 1		192 ± 19	77 ± 25	109 ± 0	1,462 ± 346
Walleye				38 ± 20	286 ± 10		132 ± 75	65 ± 4		21 ± 2			542 ± 111
Yellow perch		15 ± 0							14 ± 5				29 ± 5
Smallmouth bass							90 ± 52	108 ± 7					198 ± 59
Largemouth bass													
Suckers													
Squawfish									14 ± 5				14 ± 5
Black crappie													
Chinook													
Bullhead													
Monthly Total	181 ± 48	243 ± 4	110 ± 52	152 ± 79	498 ± 18		485 ± 277	187 ± 12	28 ± 10	213 ± 21	77 ± 25	109 ± 0	2,283 ± 4546

Table B65 Monthly and annual catch estimates and \pm 95% confidence intervals for all fish species harvested by p.m. weekday shore anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee		9 ± 1		17 ± 4									26 ± 5
Rainbow trout	311 ± 83	225 ± 17	422 ± 59	70 ± 16			397 ± 117	45 ± 17		14 ± 0	16 ± 38	340 ± 0	1,840 f347
Walleye				104 ± 24	162 ± 0		529 ± 157	82 ± 30	16 ± 3				893 ± 214
Yellow perch													
Smallmouth bass										29 ± 1			29 ± 1
Largemouth bass													
Suckers		9 ± 1	19 ± 3										28 ± 4
Squawfish													
Black crappie													
Chinook													
Bullhead			8 ± 1										8 ± 1
Monthly Total	311 ± 83	243 ± 19	449 ± 63	191 144	162 ± 0		926 ± 274	127 ± 47	16 ± 38	43 ± 1	16 ± 38	340 ± 0	2,824 ± 572

Table B66 Monthly and annual catch estimates and \pm 95% confidence intervals for all fish species harvested by a.m. weekday boat anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee	116 ± 3		716 ± 29	1,200 ± 202					242 ± 97				2,274 ± 331
Rainbow trout	387 ± 9		409 ± 16	240 ± 40	433 ± 190		5,373 ± 835	29,530 $\pm 12,987$	1,550 ± 623	224 ± 0	87 ± 0		38,233 $\pm 14,700$
Walleye			204 ± 8		1,323 ± 581	2,736 ± 746	24,561 $\pm 3,817$	26,444 $\pm 11,630$			87 ± 0		55,355 $\pm 16,782$
Yellow perch								3,085 $\pm 1,357$					3,085 $\pm 1,357$
Smallmouth bass						219 ± 60		5,730 $\pm 2,520$	242 ± 97				6,191 k2. 677
Largemouth bass													
Suckers													
Squawfish													
Black crappie													
Chinook													
Bullhead													
Monthly Total	503 ± 12		1,329 ± 53	1,440 ± 242	1,756 ± 771	2,955 ± 806	29,934 $\pm 4,652$	64,789 $\pm 28,494$	2,034 ± 817	224 ± 0	174 ± 0		105,138 $\pm 35,847$

Table B67 Monthly and annual catch estimates and \pm 95% confidence intervals for all fish species harvested by p.m. weekday boat anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEE	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee			785 ± 56	3,889 ± 153	108 ± 10	1,091 ± 101		18 ± 4		228 ± 45			6,119 r369
Rainbow trout	1,973 ± 0	1,462 ± 0		915 ± 36	108 ± 10	273 ± 25	11,364 $\pm 2,407$	661 ± 160	2,217 ± 401	2,048 ± 408		1,041 ± 40	22,062 f3,484
Walleye	1,937 ± 0	585 ± 0		458 ± 18	863 ± 77	16,367 $\pm 1,514$	11,364 $\pm 2,407$	1,081 ± 262	1,167 ± 211				33,858 $\pm 4,489$
Yellow perch									117 ± 21				117 ± 21
Smallmouth bass							710 ± 150	420 r102	1,517 ± 275				2,647 ± 527
Largemouth bass								18 ± 4					18 ± 4
Suckers													
Squawfish													
Black crappie									4,201 ± 760				4,201 ± 760
Chinook									35 ± 6				35 ± 6
Bullhead													
Monthly Total	3,946 ± 0	2,047 ± 0	785 ± 56	5,262 ± 207	1079 ± 97	17,731 11,3640	23,438 r4,964	2,198 ± 532	9,254 $\pm 1,674$	2,276 ± 450		1,041 ± 40	69,057 $\pm 9,660$

Table B68 Monthly and annual catch estimates and \pm 95% confidence intervals for all fish species harvested by a.m. weekend shore anglers on Lake Roosevelt, from January to December, 1990.

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SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee		14 \pm 1											14 \pm 1
Rainbow trout	62 \pm 18	43 \pm 3	24 \pm 19	117 \pm 53						202 \pm 166		56 \pm 0	504 \pm 259
Walleye								16 \pm 12					16 \pm 12
Yellow perch													
Smallmouth bass													
Large mouth bass													
Suckers	13 \pm 4												13 \pm 4
Squawfish													
Black crappie													
Chinook									28 \pm 4				28 \pm 4
Bullhead													
Monthly Total	75 \pm 22	57 \pm 4	24 \pm 19	117 \pm 53				16 \pm 2	28 \pm 4	202 r 166		56 \pm 0	575 \pm 270

Table B69 Monthly and annual catch estimates and \pm 95% confidence intervals for all fish species harvested by p.m. weekend shore anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee		3 ± 0											3 ± 0
Rainbow trout	98 ± 22	26 ± 2	359 ± 41	28 ± 14	204		32 ± 5	6 ± 2	38 ± 11			31 ± 0	618 ± 97
Walleye				14 ± 1	68 ± 6			15 ± 6	6 ± 2				258 ± 91
Yellow perch									38 ± 11				38 ± 11
Smallmouth bass								89 ± 35	25 ± 7				114 ± 42
Largemouth bass													
Suckers		8 ± 1											8 ± 1
Squawfish									6 ± 2			5 ± 0	11 ± 2
Black crappie													
Chinook													
Bullhead													
Monthly Total	± 23	± 3	± 41	± 28	± 68		32 ± 5	110 ± 43	113 ± 33			36 ± 0	1,050 ± 244

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Table B70 Monthly and annual catch estimates and \pm 95% confidence intervals for all fish species harvested by a.m. weekend boat anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee		44 ± 0	1,542 ± 9	5,131 ± 561									6,717 ± 570
Rainbow trout		44 ± 0	561 ± 3	581 ± 63		4,190 ± 0	339 ± 122	293 f 167	2,615 ± 249	480 ± 124	58 ± 0		9,161 ± 728
Walleye				1,840 ± 201	3,002 ± 212		3,503 $\pm 1,265$	440 ± 251	2,179 ± 208		441 ± 0		11,405 $\pm 12,137$
Yellow perch								4,298 $\pm 2,455$	145 ± 14				4,443 $\pm 2,469$
Smallmouth bass							339 r 122	440 ± 251	1,598 ± 152				2,377 ± 4525
Largemouth bass													
Suckers													
Squawfish													
Black crappie													
Chinook													
Bullhead													
Monthly Total		88 ± 0	2,103 ± 12	7,552 ± 825	3,002 ± 212	4,190 ± 0	4,181 $\pm 1,509$	5,471 $\pm 3,124$	6,537 ± 623	480 ' 124	499 ± 0		34,103 $\pm 6,429$

Table B71 Monthly and annual catch estimates and \pm 95% confidence intervals, for all fish species harvested by p.m. weekend boat anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee			1,963 ± 74	97 ± 5	96 ± 8				241 ± 40		168 ± 10		2,565 ± 137
Rainbow trout	192 ± 18			97 ± 5	96 ± 8	2,594 ± 447	855 ± 220		1,203 ± 198	1,603 ± 117	648 ± 39	394 ± 0	7,682 $\pm 1,052$
Walleye	74 ± 37	165 ± 0		968 ± 55	543 ± 45	4,589 f791	3,100 ± 798	352 ± 174	3,369 ± 555	962 ± 70	24 ± 1		14,146 k2,496
Yellow perch									241 ± 40				241 ± 40
Smallmouth bass							214 ± 55		241 ± 40	43 ± 3			498 ± 98
Largemouth bass													
Suckers													
Squawfish													
Black crappie													
Chinook													
Bullhead													
Monthly Total	266 ± 25	165 ± 0	1,963 ± 74	1,162 ± 65	735 ± 61	7,183 k1,238	4,169 $\pm 1,073$	352 ± 174	5,295 ± 873	2,608 ± 190	840 ± 50	394 ± 0	25,132 k3,823

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Table B72 Monthly and annual harvest estimates and \pm 95% confidence intervals for all fish species harvested by a.m. weekday shore anglers on Lake Roosevelt, from January to December, 1990.

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SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee				38 ± 20									38 ± 20
Rainbow trout	181 ± 48	228 ± 4	110 ± 52	76 ± 39	212 ± 8		263 ± 150	14 CI		192 ± 19	77 ± 25	109 ± 0	1,462 f 346
Walleye				38 ± 20			132 ± 75	51 ± 3		21 ± 2			242 ± 100
Yellow perch		15 ± 0											15 ± 0
Smallmouth bass								94 ± 6					94 ± 6
Largemouth bass													
Suckers													
Squawfish													
Black crappie													
Chinook													
Bullhead													
Monthly Total	181 ± 48	243 ± 4	110 ± 52	152 ± 79	212 ± 8		395 ± 225	159 ± 10		213 ± 21	77 ± 25	109 ± 0	1,851 ± 472

Table B73 Monthly and annual harvest estimates and \pm 95% confidence intervals) for all fish species harvested by p.m. weekday shore anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee		9 ± 1		17 ± 4									26 ± 5
Rainbow trout	311 ± 83	225 ± 17	403 ± 56	70 ± 16			397 ± 117	18 ± 7		14 ± 0	16 ± 38	340 ± 0	1,794 ± 334
Walleye				104 ± 24	74 ± 0		499 ± 148	63 ± 23	16 ± 3				756 r198
Yellow perch													
Smallmouth bass										29 ± 1			29 ± 1
Largemouth bass													
Suckers			19 ± 3										19 ± 3
Squawfish													
Black crappie													
Chinook													
Bullhead													
Monthly Total	311 ± 83	234 ± 18	422 ± 59	191 ± 44	74 ± 0		896 ± 265	81 ± 30	16 ± 3	43 ± 1	16 ± 38	340 ± 0	2,624 ± 541

Table B74 Monthly and annual harvest estimates and \pm 95% confidence intervals for all fish species harvested by a.m. weekday boat anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee	116 ± 3		716 ± 29	1,200 ± 202					242 ± 97				2,274 ± 331
Rainbow trout	387 ± 9		409 ± 16	240 ± 40	433 ± 190		5,373 ± 835	29,530 $\pm 12,987$	1,550 ± 623	157 ± 0	87 ± 0		38,166 $\pm 14,700$
Walleye			204 ± 8		1,323 ± 581	1,258 ± 343	20,724 $\pm 3,221$	17,630 $\pm 7,754$					41,139 $\pm 11,907$
Yellow perch								3,085 $\pm 1,357$					3,085 $\pm 1,357$
Smallmouth bass						219 ± 60		5,730 $\pm 2,520$					5,949 $\pm 2,580$
Largemouth bass													
Suckers													
Squawfish													
Black crappie													
Chinook													
Bullhead													
Monthly Total	503 ± 12		1,329 ± 53	1,440 ± 242	1,756 ± 771	1,477 ± 403	26,097 $\pm 4,056$	55,975 $\pm 24,618$	1,792 ± 720	157 ± 0	87 ± 0		90,613 $\pm 30,875$

Table B75 Monthly and annual harvest estimates and \pm 95% confidence intervals for all fish species harvested by p.m. weekday boat anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee			785 \pm 56	3,889 \pm 153	108 \pm 10	1,091 \pm 101		18 \pm 4		228 \pm 45			6,119 \pm 369
Rainbow trout	1,973 \pm 0	1,462 \pm 0		915 \pm 36	108 \pm 10	273 \pm 25	10,654 \pm 2,257	601 \pm 146	2,217 \pm 401	1,706 \pm 338		1,041 \pm 40	20,950 \pm 3,253
Walleye		585 \pm 0		229 \pm 9	863 \pm 77	13,640 \pm 1,262	7,103 \pm 1,505	961 \pm 233	1,050 \pm 190				24,431 \pm 3,276
Yellow perch									117 \pm 21				117 \pm 21
Smallmouth bass								360 \pm 87	1,167 \pm 211				1,527 \pm 298
Largemouth bass								18 \pm 4					18 \pm 4
Suckers													
Squawfish													
Black crappie									4,201 \pm 760				4,201 \pm 760
Chinook									35 \pm 6				35 \pm 6
Bullhead													
Monthly Total	1,973 \pm 0	2,047 \pm 0	785 \pm 56	5,033 \pm 198	1,079 \pm 97	15,004 \pm 1,388	17,757 \pm 13,762	1,958 \pm 474	8,787 \pm 1,589	1,934 \pm 383		1,041 \pm 40	57,398 \pm 7,987

Table B76 Monthly and annual harvest estimates and \pm 95% confidence intervals for all fish species harvested by a.m. weekend shore anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee		11											14 \pm 1
Rainbow trout	62 \pm 18	43 \pm 3	24 \pm 19	117 \pm 53						202 \pm 166		56 \pm 0	504 \pm 259
Walleye								8 \pm 1					8 \pm 1
Yellow perch													
Smallmouth bass													
Largemouth bass													
Suckers													
Squawfish													
Black crappie													
Chi nook									28 \pm 4				28 \pm 4
Bullhead													
Monthly Total	62 \pm 18	57 \pm 4	24 \pm 19	117 \pm 53				8 \pm 1	28 \pm 4	202 \pm 166		56 \pm 0	554 \pm 265

Table B77 Monthly and annual harvest estimates and \pm 95% confidence intervals for all fish species harvested by p.m. weekend shore anglers on Lake Roosevelt, from January to December, 1990.

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SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee		3 ± 0											3 ± 0
Rainbow trout	98 ± 22	26 ± 2	359 ± 41	28 ± 14			32 ± 5	6 ± 2	38 ± 11			31	618
Walleye	5 ± 1			6 ± 3				15 ± 6	6 ± 2			± 0	± 97 ± 12
Yellow perch									38 ± 11				38 ± 11
Smallmouth bass								48 ± 19					48 ± 19
Largemouth bass													
Suckers													
Squawfish									6 ± 2				6 ± 2
Black crappie													
Chinook													
Bullhead													
Monthly Total	183 ± 23	29 ± 2	359 ± 41	34 ± 17			32 ± 5	69 ± 27	88 ± 26	± 26		31 ± 0	745 1141

Table B78 Monthly and annual harvest estimates and \pm 95% confidence intervals for all fish species harvested by a.m. weekend boat anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kokanee		44 ± 0	1,542 ± 9	5,131 ± 561									6,717 ± 570
Rainbow trout		44 ± 0	561 ± 3	581 ± 63		4,190 ± 0	339 ± 122	293 ± 167	2,615 ± 249	360 ± 93	58 ± 0		9,041 ± 697
Walleye				1,259 ± 138			3,164 r1,143		2,179 ± 208		441 ± 0		7,043 $\pm 1,489$
Yellow perch									145 ± 14				145 ± 14
Smallmouth bass								440 ± 251	1,598 ± 152				2,038 r403
Largemouth bass													
Suckers													
Squawfish													
Black crappie													
Chinook													
Bullhead													
Monthly Total		88 ± 0	2,103 ± 12	6,971 762		4,190 ± 0	3,503 k1,265	733 ± 418	6,537 1623	360 ± 93	499 ± 0		24,984 $\pm 3,173$

Table 579 Monthly and annual harvest estimates and \pm 95% confidence intervals for all fish species harvested by p.m. weekend boat anglers on Lake Roosevelt, from January to December, 1990.

SPECIES	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Rainbow trout	192 ± 18			97 ± 5	96 ± 8	2,594 ± 447	428 ± 110		1,203 ± 198	1,496 ± 109	648 ± 39	394 ± 0	7,148 ± 934
Kokanee			1,963 ± 74	97 ± 5	96 ± 8						168 ± 10		2,324 ± 97
Walleye	26 ± 3	165 ± 0		581 ± 33	415 ± 34	1,596 ± 275	2,779 ± 716	264 ± 131	2,166 ± 357	641 ± 47			8,633 $\pm 1,596$
Yellow perch									241 ± 40				241 140
Smallmouth bass							107 ± 28		241 ± 40				348 ± 68
Largemouth bass													
Suckers													
Squawfish													
Black crappie													
Chinook													
Bullhead													
Monthly Total	218 ± 21	165 ± 0	1,963 ± 74	775 ± 43	607 ± 50	4,190 ± 722	3,314 ± 854	264 ± 131	3,851 ± 635	2,137 ± 156	816 ± 49	394 ± 0	18,694 $\pm 2,735$

Table B80 Mean length (mm), weight (g), and standard deviation, of kokanee measured during Lake Roosevelt creel surveys in 1990. (N=174).

	Mean Length (mm)	± S.D. (mm)	Mean Weight (g)	± S.D. (g)
January	331	± -	471	± -
February	366	± 24	581	± 199
March	394	± 41.5	580	± 195
April	384	± 35	498	± 154
May	-	± -	-	± -
June	-	± -	-	± -
July	383	± 26	1131	± 202
August	340	± -	-	± -
September	381	± 25	506	± 96
October	420	± 72	475	± 102
November		±		±
December		±		±
Annual Means	391	± 42	557	± 205

Table B81 Mean length (mm), weight (g), and standard deviations, of rainbow trout measured during Lake Roosevelt creel surveys in 1990. (N=689).

	Mean Length (mm)	± S.D. (mm)	Mean Weight (g)	± S.D. (g)
January	337	± 141	402	± 344
February	337	± 77	443	± 351
March	340	± 70	437	± 320
April	365	± 62	521	± 276
May	324	± 93	936	± -
June	327	± 48	286	± 85
July	316	± 48	334	± 134
August	324	± 42	363	± 68
September	346	± 42	486	± 142
October	373	± 38	574	± 170
November	389	± 21	669	± 164
December	392	± 44	663	± 184
Annual Means	346	± 8.5	458	± 287

Table B82 Mean length (mm), weight (g) and standard deviation, of walleye measured during Lake Roosevelt creel surveys in 1990. (N=411).

	Mean Length (mm)	± S.D. (mm)	Mean Weight (g)	± S.D. (g)
January	443	± 28	712	± 137
February	442	± 29	692	± 144
March	453	± 26	656	± 116
April	381	± 46	475	± 134
May	391	± 31	416	± 115
June	385	± 58	400	± 192
July	372	± 52	372	± 208
August	388	± 60	525	± 372
September	346	± 66	388	± 504
October	390	± 80	584	± 428
November	401	± 68	611	± 409
December		±		
Annual Means	376	± 61	435	± 317

Table B83 Mean length (mm), weight (g) and standard deviation of yellow perch measured during Lake Roosevelt creel surveys in 1990. (N=9).

	Mean Length (mm)			Mean Weight (g)		
		±	S.D.		±	S.D.
	(mm)	(mm)	(mm)	(g)	(g)	(g)
January	-	±	-	-	±	-
February	291	±	-	288	±	-
March	-	±	-	-	±	-
April	-	±	-	-	±	-
May	-	±	-	-	±	-
June	-	±	-	-	±	-
July	305	±	25	295	±	75
August	-	±	-	-	±	-
September	249	±	33	292	±	27
October		±			±	
November		±			±	
December		±			±	
Annual Means	266	±	38	293	±	51

Table B84 Mean length (mm), weight (g), and standard deviation, of smallmouth bass measured during Lake Roosevelt creel surveys in 1990. (N=94).

	Mean Length (mm)	± S.D. (mm)	Mean Weight (g)	± S.D. (g)
January		±		±
February		±		±
March		±		±
April				
May		±		±
June		±		±
July				
August	291	± 62	411	± 232
September	189	± 50	164	± 100
October	326	± 110	750	± 467
November		±		±
December		±		±
Annual Means	223	± 76	272	± 76

Table B85 Mean length (mm), weight (g), and standard deviation of black crappie measured during Lake Roosevelt creel surveys in 1990. (N=100).

	Mean Length (mm)	± S.D. (mm)	Mean Weight (g)	± S.D. (g)
January	-	±	-	±
February	-	±	-	±
March	-	±	-	±
April	-	±	-	±
May	-	±	-	±
June	-	±	-	±
July	-	±	-	±
August	-	±	- ±	-
September	205	± 0	136	± 14
October		±		±
November		±		±
December		±		±
Annual Means	205	± 0	136	± 14

Table B86 Mean length (mm), weight (g), and standard deviation of squawfish measured during Lake Roosevelt creel surveys in 1990. (N=1).

	Mean Length (mm)	± S.D. (mm)	Mean Weight (g)	± S.D. (g)
January	-	± -	-	± -
February	-	± -	-	± -
March	-	± -	-	± -
April	-	± -	-	± -
May	508	± -	-	± -
June	-	± -	-	± -
July	-	± -	-	± -
August	-	± -	-	± -
September	-	± -	-	± -
October		±		±
November		±		±
December		±		±
Annual Means	508	±		±

Table B87

Mean length (mm), weight (g), and standard deviation of chinook measured during Lake Roosevelt creel surveys in 1990. (N=2).

	Mean Length (mm)	± S.D. (mm)	Mean Weight (g)	± S.D. (g)
January	-	± -	-	± -
February	-	± -	-	± -
March	-	± -	-	± -
April	-	± -	-	± -
May	-	± -	-	± -
June	-	± -	-	± -
July	-	± -	-	± -
August	-	± -	-	± -
September	787	± 25	4229	± 1244
October	-	± -	-	± -
November	-	± -	-	± -
December		±		±
Annual Means	787	± 25	4229	± 1244

Table B88 Mean length (mm), weight (g), and standard deviation, of sturgeon measured during Lake Roosevelt creel surveys in 1990. (N=12).

	Mean Length (mm)	± S.D. (mm)	Mean Weight (g)	± S.D. (g)
January	-	± -	-	± -
February	-	± -	-	± -
March	-	± -	-	± -
April	-	± -	-	± -
May	1360	± 56	-	± -
June	1612	± 68	-	± -
July	-	± -	-	± -
August	-	± -	-	± -
September	1219	± 195	-	± -
October	1277	± 211		±
November		±		±
December		±		±
Annual Means	1383	± 225		±

Table B89 Monthly percent and (number) of target fish species by a.m. shore anglers for weekday (wd) and weekend (we) stratum on Lake Roosevelt in 1990.

		Kokanee		Rainbow		Walleye		Sturgeon		Anything		Smallmouth		Chinook	
		%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)
January	wd	-	(0)	100	(62)	-	(0)	-	(0)	0	(0)	-	(0)	-	(0)
	we	-	(0)	97	(30)	-	(0)	-	(0)	3	(1)	-	(0)	-	(0)
February	wd	-	(0)	96	(71)	-	(0)	-	(0)	4	(3)	-	(0)	-	(0)
	we	-	(0)	63	(14)	5	(1)	-	(0)	32	(7)	-	(0)	-	(0)
March	wd	1.5	(1)	72	(44)	10	(6)	1.5	(1)	15	(9)	-	(0)	-	(0)
	we	-	(0)	70	(19)	22	(6)	-	(0)	8	(2)	-	(0)	-	(0)
April	wd	-	(0)	63	(12)	5	(1)	32	(6)	-	(0)	-	(0)	-	(0)
	we	-	(0)	50	(6)	-	(0)	-	(0)	50	(6)	-	(0)	-	(0)
May	wd	-	(0)	50	(8)	31	(5)	13	(2)	6	(1)	-	(0)	-	(0)
	we	-	(0)	100	(2)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
June	wd	-	(0)	8	(2)	33	(8)	58	(14)	-	(0)	-	(0)	-	(0)
	we	-	(0)	-	(0)	-	(0)	100	(13)	-	(0)	-	(0)	-	(0)
July	wd	-	(0)	47	(8)	24	(4)	11.5	(2)	11.5	(2)	6	(1)	-	(0)
	we	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
August	wd	-	(0)	20	(3)	20	(3)	13	(2)	47	(7)	-	(0)	-	(0)
	we	-	(0)	11	(1)	11	(1)	45	(4)	-	(0)	33	(3)	-	(0)
September	wd	17.5	(3)	12	(2)	47	(8)	17.5	(3)	-	(0)	-	(0)	6	(1)
	we	7	(1)	36	(5)	50	(7)	-	(0)	7	(1)	-	(0)	-	(0)
October	wd	-	(0)	35	(6)	12	(2)	24	(4)	29	(5)	-	(0)	-	(0)
	we	-	(0)	62	(13)	-	(0)	38	(8)	-	(0)	-	(0)	-	(0)
November	wd	5	(1)	33	(7)	-	(0)	10	(2)	52	(11)	-	(0)	-	(0)
	we	-	(0)	100		-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
December	wd	-	(0)	100	(7)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	75	(3)	25	(1)	-	(0)	-	(0)	-	(0)	-	(0)
Annual	wd	1%	(5)	66%	(232)	11%	(37)	10%	(36)	11%	(38)	0.5%	(1)	0.5%	(1)
	we	1%	(1)	60%	(93)	10%	(16)	16%	(25)	11%	(17)	2%	(3)	0%	(0)
TOTAL		1%	(6)	64%	(325)	11%	(53)	12%	(61)	11%	(55)	1%	(4)	0%	(1)

Table B90 Monthly percent and (number) of target fish species by p.m. shore anglers for weekday (wd) and weekend (we) stratum on Lake Roosevelt in 1990.

		Kokanee		Rainbow		Walleye		Sturgeon		Anything		Smallmouth		Yellow Perch	
		%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)
January	wd	-	(0)	94	(112)	94	(112)	94	(112)	94	(112)	94	(112)	94	(112)
	we	-	(0)	100	(33)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
February	wd	-	(0)	93	(78)	7	(6)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	95	(4)	5	(2)	-	(0)	-	(0)	-	(0)	-	(0)
March	wd	-	(0)	79	(91)	10	(11)	11	(13)	-	(0)	-	(0)	-	(0)
	we	-	(0)	60	(64)	7	(7)	11	(12)	22	(23)	-	(0)	-	(0)
April	wd	3	(2)	63	(40)	11	(7)	17	(11)	6	(4)	-	(0)	-	(0)
	we	2	(1)	10	(5)	56	(28)	32	(16)	-	(0)	-	(0)	-	(0)
May	wd	-	(0)	13	(11)	9	(8)	70	(60)	7	(6)	-	(0)	-	(0)
	we	-	(0)	-	(0)	3	(1)	82	(32)	15	(6)	-	(0)	-	(0)
June	wd	-	(0)	8	(2)	16	(4)	76	(19)	-	(0)	-	(0)	-	(0)
	we	-	(0)	-	(0)	-	(0)	100	(15)	-	(0)	-	(0)	-	(0)
July	wd	-	(0)	4	(3)	23	(16)	55	(38)	15	(10)	3	(2)	-	(0)
	we	-	(0)	3	(1)	21	(6)	66	(19)	10	(3)	-	(0)	-	(0)
August	wd	19	(6)	9	(3)	41	(13)	28	(9)	3	(1)	-	(0)	-	(0)
	we	-	(0)	-	(0)	18	(7)	47	(18)	-	(0)	34	(13)	-	(0)
September	wd	20	(4)	30	(6)	50	(10)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	-	(0)	100	(4)	-	(0)	-	(0)	-	(0)	-	(0)
October	wd	19	(3)	25	(4)	6	(1)	31	(5)	6	(1)	-	(0)	13	(2)
	we	-	(0)	-	(0)	100	(3)	-	(0)	-	(0)	-	(0)	-	(0)
November	wd	-	(0)	52	(17)	-	(0)	-	(0)	48	(16)	-	(0)	-	(0)
	we	-	(0)	83	(5)	-	(0)	-	(0)	17	(1)	-	(0)	-	(0)
December	wd	-	(0)	83	(5)	17	(1)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	100	(16)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
Annual	wd	2 %	(15)	56%	(372)	12%	(77)	23%	(155)	7 %	(45)	0%	(2)	0 %	(2)
	we	0 %	(1)	43%	(164)	15%	(58)	30%	(42)	9 %	(33)	3 %	(13)	0 %	(0)
TOTAL		2 %	(16)	51%	(536)	13%	(135)	26%	(267)	7 %	(78)	1 %	(15)	0 %	(2)

Table B91 Monthly percent and (number) of target fish species by a.m. boat anglers for weekday (wd) and weekend (we) stratum on Lake Roosevelt in 1990.

		Kokanee		Rainbow		Walleye		Sturgeon		Anything		Smallmouth		Yellow Perch	
		%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)
January	wd	-	(0)	57	(4)	43	(3)	-	(0)	-	(0)	-	(0)	-	(0)
	we	50	(2)	-	(0)	-	(0)	-	(0)	50	(2)	-	(0)	-	(0)
February	wd	-	(0)	-	(0)	40	(2)	-	(0)	60	(3)	-	(0)	-	(0)
	we	-	(0)	100	(4)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
March	wd	40	(12)	33	(10)	27	(8)	-	(0)	-	(0)	-	(0)	-	(0)
	we	37	(19)	26	(13)	37	(19)	-	(0)	-	(0)	-	(0)	-	(0)
April	wd	81	(34)	19	(8)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
	we	38	(11)	27.5	(8)	27.5	(8)	-	(0)	-	(0)	7	(2)	-	(0)
May	wd	13	(2)	31	(5)	36	(9)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	58	(7)	42	(5)	-	(0)	-	(0)	-	(0)	-	(0)
June	wd	5	(2)	28	(11)	49	(19)	-	(0)	18	(7)	-	(0)	-	(0)
	we	-	(0)	33	(3)	-	(0)	-	(0)	67	(6)	-	(0)	-	(0)
July	wd	-	(0)	27.5	(11)	57.5	(23)	-	(0)	15	(6)	-	(0)	-	(0)
	we	-	(0)	7	(1)	46.5	(7)	-	(0)	46.5	(7)	-	(0)	-	(0)
August	wd	-	(0)	36	(5)	43	(6)	-	(0)	-	(0)	21	(3)	-	(0)
	we	-	(0)	50	(1)	50	(1)	-	(0)	-	(0)	-	(0)	-	(0)
September	wd	-	(0)	65	(15)	17.5	(4)	-	(0)	17.5	(4)	-	(0)	-	(0)
	we	5	(5)	57	(52)	35	(32)	-	(0)	3	(3)	-	(0)	-	(0)
October	wd	5	(2)	53	(23)	23	(10)	-	(0)	19	(8)	-	(0)	-	(0)
	we	-	(0)	82	(18)	4.5	(1)	-	(0)	-	(0)	-	(0)	13.5	(3)
November	wd	-	(0)	70	(14)	15	(3)	-	(0)	15	(3)	-	(0)	-	(0)
	we	-	(0)	36	(14)	3	(1)	-	(0)	61	(24)	-	(0)	-	(0)
December	wd	-	(0)	75	(6)	25	(2)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	100	(2)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
Annual	wd	18%	(52)	39%	(112)	32%	(91)	0%	(0)	11%	(31)	1%	(3)	0%	(0)
	we	13%	(37)	43%	(124)	27%	(74)	0%	(0)	15%	(42)	1%	(2)	1%	(3)
TOTAL		15%	(89)	39%	(236)	31%	(165)	0%	(0)	13%	(73)	1%	(5)	1%	(3)

Table B92 Monthly percent and (number) of target fish species by p.m. boat anglers for weekday (wd) and weekend (we) stratum on Lake Roosevelt in 1990.

		Kokanee		Rainbow		Walleye		Sturgeon		Anything		Smallmouth Bass		Yellow Perch		Black Crappie	
		%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)	%	(N)
January	wd	-	(0)	100	(1)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	80	(4)	20	(1)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
February	wd	-	(0)	-	(0)	100	(4)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
	we		(0)	50	(2)	50	(2)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
March	wd	52	(62)	28	(33)	18	(22)	-	(0)	2	(2)	-	(0)	-	(0)	-	(0)
	we	22	(8)	51	(19)	13.5	(5)	-	(0)	13.5	(5)	-	(0)	-	(0)	-	(0)
April	wd	48	(35)	19	(14)	33	(24)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
	we	12	(5)	17	(7)	62	(26)	-	(0)	7	(3)	2	(1)	-	(0)	-	(0)
May	wd	17	(6)	14	(5)	72	(26)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
	we	29	(9)	23	(7)	48	(15)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
June	wd	-	(0)	19	(10)	75	(39)	-	(0)	6	(3)	-	(0)	-	(0)	-	(0)
	we	-	(0)	32	(7)	46	(10)	-	(0)	23	(5)	-	(0)	-	(0)	-	(0)
July	wd	7	(4)	33	(20)	47	(28)	-	(0)	10	(6)	3	(2)	-	(0)	-	(0)
	we	-	(0)	13	(6)	79	(37)	-	(0)	8	(4)	-	(0)	-	(0)	-	(0)
August	wd	-	(0)	16	(16)	62	(61)	-	(0)	10	(10)	12	(12)	-	(0)	-	(0)
	we	-	(0)	75	(6)	-	(0)	-	(0)	25	(2)	-	(0)	-	(0)	-	(0)
September	wd	2	(2)	70	(94)	13	(18)	-	(0)	3	(4)	10	(13)	-	(0)	2	(3)
	we	2	(2)	17	(17)	56	(58)	6	(6)	4	(4)	10	(11)	5	(5)	-	(0)
October	wd	-	(0)	63	(22)	14	(5)	-	(0)	23	(8)	-	(0)	-	(0)	-	(0)
	we	-	(0)	25	(15)	35	(21)	-	(0)	40	(24)	-	(0)	-	(0)	-	(0)
November	wd	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	17	(10)	4	(2)	-	(0)	79	(45)	-	(0)	-	(0)	-	(0)
December	wd	-	(0)	100	(17)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
	we	-	(0)	100	(3)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)	-	(0)
Annual	wd	18%	(109)	35%	(215)	37%	(227)	0%	(0)	5%	(33)	4%	(27)	0%	(0)	1%	(3)
	we	6%	(24)	25%	(103)	42%	(177)	1%	(6)	22%	(92)	3%	(12)	1%	(5)	0%	(0)
TOTAL		13%	(133)	31%	(318)	39%	(404)	1%	(6)	12%	(125)	4%	(39)	1%	(5)	0%	(3)

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Table B93 Consumer Price Indexes for counties in the Pacific Northwest with a population of 367,200 for the years 1985 and 1990 used for calculation of economic value of the Lake Roosevelt Fishery.

Month	1985	1990
January		194.5
February	164.2	195.1
March		195.4
April	166.9	195.8
May		196.1
June	168.4	198.1
July		199.8
August	168.9	201.7
September		203.8
October	169.7	204.9
November		204.5
December	169.1	205.1
Annual Mean	167.87	199.57

Table B94 Comparisons of pressure estimates (\pm 95% C.I.) for all stratum on Lake Roosevelt, for 1988, 1989, and 1990.

Month	1988	1989	1990
January (\pm 95% C.I.)	(-)	13,729 (~4, 262)	17,248 (\pm 857)
February (\pm 95% C.I.)	(-)	9,482 (\pm 2,791)	8,435 (\pm 254)
March (\pm 95% C.I.)	(-)	22,139 (\pm 8,658)	35,425 (22, 611)
April (\pm 95% C.I.)	(-)	44,037 (\pm 14,441)	52,688 (\pm 6,310)
May (\pm 95% C.I.)	(-)	53,961 (521, 661)	21,679 (12,872)
June (I 95% C.I.)	(-)	175,812 (\pm 19,210)	72,351 (28, 919)
July (\pm 95% C.I.)	(-)	146,641 (\pm 52,723)	174,281 (235, 148)
August (\pm 95% C.I.)	120,559 (256, 470)	182,409 (252, 681)	56,312 (\pm 23,580)
September (\pm 95% C.I.)	58,404 (221, 640)	42,012 (\pm 9,177)	58,191 (\pm 10,084)
October (\pm 95% C.I.)	47,865 (\pm 12,887)	29,425 (28, 359)	23,924 (22, 721)
November (\pm 95% C.I.)	17,003 (\pm 4,892)	27,542 (\pm 10,465)	15,666 (\pm 796)
December (\pm 95% C.I.)	18,082 (\pm 5,493)	9,226 (\pm 3,164)	3,542 ^A (\pm 269)
Annual Totals (\pm 95% C.I.)	261,913 (\pm101,382)	756,415 (\pm207,592)	539,743 (\pm94,420)

A To December 13. 1990 only

Table B95 Comparisons of angler trips and (average trip length) for all stratum on Lake Roosevelt, for 1988, 1989, and 1990.

Month	1988	1989	1990
January (Trip length)	(-)	4,576 (3.0)	5,730 (3.01)
February (Trip length)	(-)	2,789 (3.4)	2,452 (3.44)
March (Trip length)	(-)	5,826 (3.8)	10,007 (3.54)
April (Trip length)	(-)	10,241 (4.3)	15,451 (3.41)
May (Trip length)	(-)	14,989 (3.6)	6,414 (3.38)
June (Trip length)	(-)	40,887 (4.3)	21,155 (3.42)
July (Trip length)	(-)	31,878 (4.6)	49,232 (3.54)
August (Trip length)	37,674 (3.2)	44,490 (4.1)	28,156 (2.00)
September (Trip length)	12,979 (4.5)	10,003 (4.2)	20,709 (2.81)
October (Trip length)	11,396 (4.2)	6,261 (4.7)	6,591 (3.63)
November (Trip length)	3,954 (4.3)	5,734 (4.8)	5,021 (3.12)
December (Trip length)	4,305 (4.2)	2,197 (4.2)	8,47^A (4.18)
Annual Total (Mean Trip length)	70,308 (4.1)	179,871 (4.1)	171,725 (3.3)

^A To December 13, 1990 only

Table B96 Comparisons of mean annual catch CPUE on Lake Roosevelt, for 1988, 1989, and 1990.

	Catch CPUE 1988	Catch CPUE 1989	Catch CPUE 1990
Kokanee	0.11	0.04	0.03
Rainbow trout	0.37	0.16	0.13
Walleye	0.34	0.20	0.11
Yellow perch	0.05	0.02	0.03
Smallmouth bass	0.09	0.02	0.03
Largemouth bass	-	0.001	0.002
Suckers	-	-	0.004
Squawfish	-	-	0.007
Black crappie	-	0.02	0.12
Chinook	-	0.03	0.002
Bullhead	-	0.03	0.001
Sturgeon	-	0.01	0.02
Lake whitefish	-	0.01	
Burbot	-	0.005	
Annual Means	0.19	0.05	0.04

Table B97 Comparisons of mean annual harvest CPUE on Lake Roosevelt, for 1988, 1989, and 1990.

	Harvest CPUE 1988	Harvest CPUE 1989	Harvest CPUE 1990
Kokanee	0.12	0.04	0.02
Rainbow trout	0.36	0.15	0.12
Walleye	0.08	0.09	0.08
Yellow perch	0.05	0.01	0.01
Smallmouth bass	0.08	0.02	0.02
Largemouth bass	-	0.001	0.02
Suckers	-		0.001
Squawfish	-		0.001
Black Crappie	-	0.02	0.11
Chinook	-	0.03	0.002
Bullhead	-	0.00	
Sturgeon	-	0.01	0.01
Lake whitefish	-	0.01	
Burbot	-	0.01	
Annual Means	0.14	0.03	0.04

Table B98 Comparisons of harvest estimates (\pm 95% C.I.) for all stratum on Lake Roosevelt, for 1988, 1989, and 1990.

Month	1988	1989	1990
January (\pm 95% C.I.)	(-)	5,054 (11, 589)	3,351 (\pm 205)
February (\pm 95% C.I.)	(-)	2,532 (\pm 829)	2,865 (\pm 28)
March (\pm 95% C.I.)	(-)	5,654 (\pm 2,115)	7,095 (\pm 366)
April (\pm 95% C.I.)	(-)	22,059 (\pm 7,030)	14,713 (\pm 1,438)
May (\pm 95% C.I.)	(-)	13,703 (24,888)	3,730 (\pm 296)
June (\pm 95% C.I.)	(-)	42,128 (\pm 19,026)	24,865 (\pm 2,513)
July (\pm 95% C.I.)	(-)	24,678 (\pm 10,061)	52,003 (\pm 10,432)
August (\pm 95% C.I.)	56,507 (\pm 23,950)	26,972 (\pm 10,472)	59,247 (\pm 25,709)
September (\pm 95% C.I.)	26,220 (\pm 12,467)	5,794 (\pm 1,753)	21,100 (\pm 3,600)
October (\pm 95% C.I.)	19,165 (\pm 5,258)	8,414 (\pm 2,413)	5,047 (\pm 820)
November (\pm 95% C.I.)	12,032 (\pm 3,304)	4,770 (\pm 1,782)	1,495 (\pm 112)
December (\pm 95% C.I.)	11,967 (\pm 2,650)	2,469 (\pm 1,082)	1,971 (\pm 40)
Annual Totals (\pm 95% C.I.)	125,891 (\pm 47,629)	164,227 (\pm 63,035)	197,480 (246,189)

Table B99 Monthly percent and number of rainbow trout caught by anglers identified as net-pen, native, or unknown by creel clerks during January through December of 1990 on Lake Roosevelt, WA.

Month	Net-pen		Native		Unknown	
	%	(n)	%	(n)	%	(n)
January	25	(39)	49	(6)	71	(110)
February	21	(14)	2	(1)	77	(51)
March	36	(50)	0	(0)	64	(89)
April	45	(15)	6	(2)	48	(16)
May	14	(2)	0	(0)	86	(12)
June	6	(1)	0	(0)	94	(16)
July	63	(5)	0	(0)	37	(3)
August	3	(1)	0	(0)	97	(36)
September	23	(21)	1	(1)	76	(71)
October	6	(4)	0	(0)	94	(59)
November	0	(0)	0	(0)	100	(73)
December	0	(0)	0	(0)	100	(27)
Total	21	(152)	1	(10)	78	(563)

Table 8100 Percent and (number) of rainbow trout identified as net-pen, native, or unknown during 1990 sampling seasons on Lake Roosevelt, WA.

Sampling Season	Net-pen % (n)	Native % (n)	Unknown % (n)
May	30 (36)	42 (51)	28 (33)
August	56 (51)	9 (8)	35 (32)
October	41 (41)	19 (19)	40 (40)
Total	41 (128)	25 (78)	34 (105)

APPENDIX C
RELATIVE ABUNDANCE

Table CI Total number and percent relative abundance of fish captured during electrofishing surveys at each location on Lake Roosevelt May, 1990.

Site Number	1		2		3		4		5		6		7		8		9		TOTAL	
Shock Time (min)	206.3		49.2		50.8		61.4		107.3		61.9		44.1		62.85		64.3		708.2	
Species	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Bridgelp sucker									1	1.3			2	2.3			1	1.8	4	0.5
Longnose sucker			4	4.4	2	1.8													6	0.8
Largescale sucker	21	24.1	57	62.6	37	33.9	32	26.9	19	25.0	20	52.6	43	50.6	37	46.8	23	41.1	289	39.0
Black crappie																				
Largemouth bass																				
Pumpkinseed																				
Smallmouth bass							9	7.6	1	1.3	1	2.6	1	1.2	7	8.9	26	46.4	45	6.1
White crappie																				
Piute sculpin	6	6.9																	6	0.8
Carp	1	1.2	1	1.1	7	6.4					2	5.3	1	1.2	6	7.6			18	2.4
Chiselmouth																				
Redside shiner																				
Squawfish	22	25.3			5	4.6	4	3.4	1	1.3	1	2.6			4	5.1			37	5.0
Tench	1	1.1			2	1.8													3	
Burbot																				
Brown bullhead																				
Walleye	27	31.0	21	23.1	49	44.9	35	29.4	42	55.3	1	2.6	32	37.7	3	3.8	2	3.6	212	28.7
Yellow perch	2	2.3	3	3.3	2	1.8	24	20.2			4	10.5			6	7.6			41	5.5
Brown trout	1	1.1			1	0.9	1	0.8	3	3.9									6	0.8
Brook trout																				
Chinook salmon																				
Kokanee salmon							1	0.8	1	1.3							1	1.8	3	
Lake whitefish	1	1.1			1	0.9													2	
Mountain whitefish									4	5.3									4	0.5
Rainbow trout	5	5.7	5	5.5	3	2.7	13	10.9	4	5.3	9	23.7	6	7.1	16	20.2	3	5.4	64	8.6
TOTAL	87		91		109		119		76		38		85		79		56		740	

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Table C2 Total number and percent relative abundance of fish captured during gillnet surveys at each location on Lake Roosevelt May, 1990.

Site Number	1		2		3		4		5		6		7		8		9		TOTAL	
Soak Time (hrs)	17.02		17		11.3		20.9		0		18.7		23.85		12.45		31.43		152.7	
Species	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Bridgelip sucker																				
Longnose sucker			3	13.6	2	11.8							1	16.7	1	11.1			7	6.7
Largescale sucker	1	16.7	6	27.3	10	58.8	5	15.1			2	25.0	2	33.3					26	25.0
Black crappie																				
Largemouth bass																				
Pumpkinseed																				
Smallmouth bass																				
White crappie																				
Piute sculpin																				
Carp																				
Chiselmouth																				
Redside shiner																				
Squawfish					1	5.9	3	9.1			1	12.5	1	16.7			2	66.7	8	7.7
Tench																				
Burbot			1	4.5			1	3.0											2	1.9
Brown bullhead																				
Walleye	2	33.3	3	13.6	2	11.8							1	16.7	3	33.3			11	10.6
Yellow perch																				
Brown trout																				
Brook trout																				
Chinook salmon																				
Kokanee salmon																				
Lake whitefish	3	50.0	8	36.4	2	11.8	24	72.7			5	62.5			5	55.6	1	33.3	48	46.1
Mountain whitefish																				
Rainbow trout			1	4.5									1	16.7					2	1.9
TOTAL	6		22		17		33		0		8		6		9		3		104	

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Table C3 Total number and percent relative abundance of fish captured during electrofishing surveys at each location on Lake Roosevelt August, 1990.

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Site Number	1		2		3		4		5		6		7		8		9		TOTAL	
Shock Time (min)	112.8		89.5		70		80		115		110		103		71		100		851.3	
Species	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Bridgelp sucker							3	1.5											3	0.2
Longnose sucker																				
Largescale sucker	61	31.3	52	49.1	48	35.8	9	4.7	35	14.5	26	11.5	8	20.0	9	11.8	2	1.6	250	18.5
Black crappie																				
Largemouth bass							2	1.0											2	0.1
Pumpkinseed																	2	1.6	2	0.1
Smallmouth bass	1	0.5					19	9.8	8	3.3	23	10.2	7	17.5	29	38.2	65	50.8	152	11.3
White crappie																				
Piute sculpin					2	1.5			7	2.9					2	2.6	1	0.8	12	0.9
Carp					1	0.7	1	0.5	1		4	1.8	1	2.5	2	2.6	4	3.1	14	1.0
Chiselmouth																				
Redside shiner																				
Squawfish	44	22.6	10	9.4			3	1.5	2	0.8	7	3.1			2	2.6			68	5.0
Tench																				
Burbot																				
Brown bullhead																	1	0.8	1	0.1
Walleye	70	35.9	36	33.9	35	26.1	126	65.3	109	45.0	62	27.4			15	19.7	24	18.7	477	35.4
Yellow perch	5	2.6	4	3.8	42	31.3	30	15.5	68	28.1	103	45.6	31	77.5	10	13.2	29	22.7	322	23.9
Brown trout									6	2.5									6	0.4
Brook trout																				
Chinook salmon																				
Kokanee salmon									2	0.8									2	0.1
Lake whitefish																				
Mountain whitefish	1	0.5			1	0.7			1										3	0.2
Rainbow trout	13	6.7	4	3.8	5	3.7			3	1.2	1	0.4			7	9.2			33	2.4
TOTAL	195		106		134		193		2421		226		47		76		128		1,347	

Table C4 Total number and percent relative abundance of fish captured during gillnet surveys at each location on Lake Roosevelt August, 1990.

Site Number	1		2		3		4		5		6		7		8		9		TOTAL	
Soak Time (hrs)	27.43		23.26		19.46		28.48		12		20		10.17		25.41		45.19		211.4	
Species	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Bridgelip sucker																				
Longnose sucker	1	5.9			2	40.0														
Largescale sucker							2	2.7	67	57.8	6	11.5								
Black crappie																				
Largemouth bass																				
Pumpkinseed																				
Smallmouth bass											1	1.9					1	3.7	2	0.6
White crappie																				
Piute sculpin									1	0.9										
Carp									6	5.2	2	3.8								
Chiselmouth																				
Redside shiner																				
Squawfish					1	20.0			3	2.6			2	11.1						
Tench																				
Burbot																				
Brown bullhead																				
Walleye	5	29.4	7	70.0	2	40.0	3	4.1	33	28.4	13	25.0			1	25.0	11	40.7	75	23.3
Yellow perch									2	1.7										
Brown trout																				
Brook trout																				
Chinook salmon																				
Kokanee salmon											7	13.5	2	11.1	1	25.0				
Lake whitefish	11	64.7	3	30.0			66	90.4			7	13.5			1	25.0	1	3.7	89	27.6
Mountain whitefish																				
Rainbow trout							2	2.7	4	3.4	16	30.8	14	77.8	1	25.0	14	51.8	51	15.8
TOTAL	17		10		5		73		116		52		18		4		27		322	

Table C5 Total number and percent relative abundance of fish captured during electrofishing surveys at each location on Lake Roosevelt October, 1990.

Site Number	1		2		3		4		5		6		7		8		9		TOTAL	
Shock Time	80.4		106.5		94.5		74.5		323.7		119		125		41.5		43		1,008	
Species	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Bridgelip sucker									1	0.1									1	0.0
Longnose sucker	148	17.4	3	1.8					15	1.9									166	2.8
Largescale sucker	118	13.9	54	32.1	60	19.7	109	56.2	104	13.2	328	29.5	189	10.2	8	1.5	13	34.2	983	16.9
Black crappie									1	0.1									1	0.0
Largemouth bass	5	0.6							20	2.5									25	0.4
Pumpkinseed	4	0.5	1	0.6							54	4.9							59	1.0
Smallmouth bass	1	0.1					17	8.8	19	2.4			2	0.1	14	2.7			53	0.9
White crappie	1	0.1					2	1.0			2	0.2	3	0.2	1	0.2			9	0.1
Piute sculpin	4	0.5			1	0.3			46	5.8	46	4.1			14	2.7			111	1.9
Carp	92	10.8	1	0.6	1	0.3	1	0.5			16	1.4					1	2.6	112	1.9
Chiselmouth	5	0.6																	5	0.1
Redside shiner	1	0.1																	1	0.0
Squawfish	233	27.5	3	1.8	4	1.3	4	2.1	12	1.5	73	6.6	7	0.4					336	5.8
Tench	14	1.6																	14	0.2
Burbot	1	0.1	3	1.8	1	0.3	1	1.5	1	0.1	1	0.1	2	0.1					10	0.2
Brown bullhead																	1	2.6	1	0.0
Walleye	30	3.5	24	14.3	62	20.4	11	5.7	135	17.1	20	1.8	20	1.1			7	18.4	309	5.3
Yellow perch	177	20.1	74	44.0	160	52.6	39	20.1	370	47.0	545	49.1	1,626	87.9	466	90.1	2	5.3	3,459	59.5
Brown trout	1	0.1							3	0.4									4	0.1
Brook trout	1	0.1																	1	0.0
Chinook salmon									1	0.1									1	0.0
Kokanee salmon									39	4.9	2	0.1			3	0.6	1	2.6	45	0.7
Lake whitefish									1	0.1	3	0.3							4	0.1
Mountain whitefish	5	0.6							1	0.1					2	0.4			8	0.1
Rainbow trout	7	0.8	5	2.9	15	4.9	10	5.1	18	2.3	20	1.8	1	0.0	9	1.7	13	34.2	98	1.7
TOTAL	848		168		304		194		787		1,110		1,850		517		38		5,816	

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Table C6 Total number and percent relative abundance of fish captured during gillnet surveys at each location on Lake Roosevelt October, 1990.

Site Number	1		2		3		4		5		6		7		8		9		TOTAL	
Soak Time (hrs)	35.2		12		8		16.5		12.3		49		16		10.3		8.5		174	
Species	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%	#	%
Bridgelip sucker																				
Lorgnose sucker	6	13.6																	6	2.6
Largescale sucker							3	15.0	1	100.0	23	31.9			5	7.0			32	13.8
Black crappie																				
Largemouth bass																				
Pumpkinseed																				
Smallmouth bass	3	6.8									1	1.4	11	100.0			1	33.3	16	6.9
White crappie																				
Piute sculpin																				
Carp																				
Chiselmouth																				
Redside shiner																				
Squawfish											6	8.3			3	4.2			9	3.9
Tench																				
Burbot																				
Brown bullhead																				
Walleye	12	27.3	2	22.2			6	30.0			19	26.4			12	16.9	2	66.7	53	22.8
Yellow perch			7	77.6							14	19.4			16	22.5			37	15.9
Brown trout																				
Brock trout																				
Chinook salmon																				
Kokanee salmon											1	1.4							1	0.4
Lake whitefish	23	52.3			1	100.0	1	55.0			8	11.1			35	49.3			78	33.6
Mountain whitefish																				
Rainbow trout																				
TOTAL	44		9		1		20		1		72		11		71		3		232	

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Table C7 Comparison of total numbers of fish species collected during the 1988, 1989, and 1990 sampling periods via electrofishing and gillnetting.

	1988	1989	1990
Ascipenseridae			
Sturgeon	-	1	
Catostomidae			
Bridgelip sucker	46	100	a
Longnose sucker	a	21	188
Largescale sucker	409	900	1655
sucker fry	247	476	
Centrarchidae			
Black crappie	73	43	1
Largemouth	48	48	27
Pumpki nseed	5	5	61
Small mouth	90	115	268
White crappie			9
Cottidae			
Piute sculpin	58	132	130
Cyprinidae			
Carp	43	117	152
Chi sel mouth	2	-	5
Redside shi ner			1
Squawfi sh	174	295	464
Tench	2	3	17
Peamouth	32	14	
Gadidae			
Burbot	9	27	12
Ictaluridae			
Brown bullhead			2
Yellow bullhead	1	6	
Percidae			
Walleye	714	1303	1137
Yellow perch	1046	2901	3861
Salmonidae			
Brook trout	1	3	1
Brown trout	28	21	16
Chi nook salmon	11	1	1
Cutthroat trout	1		
Dolly Varden		1	
Kokanee salmon	178	132	61
Lake whitefish	25	271	221
Mountain whitefish		16	15
Rainbow trout	318	396	248
Total number fish	3569	7348	8561
Total Effort (hours)	361	482	581

Table C8 Comparison of total catch per unit effort of fish species collected during the 1988, 1989, and 1990 sampling periods via electrofishing and gillnetting.

	1988	1989	1990
Ascipenseridae			
Sturgeon	-	0.003	-
Catostomidae			
Bridgelip sucker	0.127	0.207	0.014
Longnose sucker	0.022	0.044	0.324
Largescale sucker	1.133	1.867	2.849
sucker fry	0.684	0.988	-
Centrarchidae			
Black crappie	0.202	0.089	0.002
Largemouth	0.133	0.010	0.046
Pumpkinseed	0.014	0.010	0.105
Smallmouth	0.249	0.239	0.461
White crappie	-	-	0.015
Cottidae			
Piute sculpin	0.161	0.274	0.224
Cyprinidae			
Carp	0.119	0.243	0.262
Chiselmouth	0.006	-	0.009
Redside shiner	-	-	0.002
Squawfish	0.482	0.612	0.799
Tench	0.006	0.006	0.029
Peamouth	0.089	0.029	-
Gadidae			
Burbot	0.025	0.056	0.021
Ictaluridae			
Brown bullhead	-	-	0.003
Yellow bullhead	0.003	0.012	-
Percidae			
Walleye	1.978	2.703	1.957
Yellow perch	2.898	6.019	6.645
Salmonidae			
Brook trout	0.003	0.006	0.002
Brown trout	0.078	0.044	0.028
Chinook salmon	0.030	0.003	0.002
Cutthroat trout	0.003	-	-
Dolly Varden	-	0.003	-
Kokanee salmon	0.493	0.274	0.105
Lake whitefish	0.069	0.562	0.380
Mountain whitefish	-	0.003	0.026
Rainbow trout	0.881	0.822	0.427
Total number fish	3569	7348	8561
Total CPUE	9.89	15.24	14.73

Table C9 Number and percent relative abundance comparisons of fish families collected during electrofishing and gillnet surveys on Lake Roosevelt from 1989, 1989, and 1990.

Family Name	Numbers		
	1988 a	1989	1990
Aspinceridae		1	
Catostomidae	710	1497	1851
Centrarchidae	216	211	366
Cottidae	58	132	130
Cyprinidae	253	429	639
Gadidae	9	27	12
Ictaluridae	1	6	2
Percidae	1760	4204	4998
Salmonidae	562	841	563

Family Name	Percent Relative Abundance		
	1988 a	1989	1990
Aspinceridae	0.00%	0.01%	0.00%
Catostomidae	19.89%	20.37%	21.40%
Centrarchidae	6.05%	2.87%	4.23%
Cottidae	1.63%	1.80%	1.50%
Cyprinidae	7.09%	5.84%	7.39%
Gadidae	0.25%	0.37%	0.14%
Ictaluridae	0.03%	0.08%	0.02%
Percidae	49.31%	57.21%	57.77%
Salmonidae	15.75%	11.45%	6.51%

a sampled August and October 1988 only.

Table C10 Comparisons of total catch per unit effort for fish families collected during electrofishing and gillnet surveys on Lake Roosevelt from 1987, 1989, and 1990.

Family Name	Numbers		
	1988 a	1989	1990
Aspinceridae		0.003	
Catostomidae	1.966	3.106	3.187
Centrarchidae	0.598	0.348	0.629
Cottidae	0.161	0.274	0.224
Cyprinidae	0.863	0.890	1.101
Gadidae	0.025	0.056	0.021
Ictaluridae	0.003	0.012	0.003
Percidae	4.876	8.722	8.602
Salmonidae	1.557	1.717	0.970

a sampled August and October 1988 only

APPENDIX D
AGE, GROWTH, AND CONDITION

Table D1 Age, capture length, weight and condition factor of kokanee salmon captured during relative abundance surveys on Lake Roosevelt in May, August, and October 1990.

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
1	KOK	1 +	91	6	0.8
1	KOK	1 +	320	334	1.02
9	KOK	1 +	335	401	1.07
22	KOK	1 +	356	461	1.02
5	KOK	2 +	440	760	0.89
6	KOK	2 +	382	548	0.98
a	KCK	2 +	406	586	0.88
10	KOK	2 +	405	735	1.11
1	KOK	2 +	447	953	1.06
2	KOK	2 +	460	1095	1.12
4	KOK	2 +	440	966	1.13
a	KOK	2 +	334	476	1.28
d	KOK	2 +	340	398	1.01
9	KOK	2 +	316	343	1.09
20	KOK	2 +	387	700	1.21
21	KOK	2 +	384	613	1.08
23	KOK	2 +	296	295	1.14
45	KOK	2 +	491	1220	1.03
1	KOK	3 +	350	458	1.07
4	KOK	3 +	411	710	1.02
7	KOK	3 +	465	846	0.84
9	KOK	3 +	515	1267	0.93
3	KOK	3 +	510	1470	1.12
23	KOK	3 +	500	1384	1.11
12	KOK	3 +	410	641	0.93
13	KOK	3 +	482	1194	1.07
14	KOK	3 +	440	886	1.04

Table D2 Age, capture length, weight and condition factor of kokanee salmon captured by anglers on Lake Roosevelt in 1990.

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
1	KOK	1 +	280		
C432	KOK	2 +	432	771	0.96
c349	KCX	2 +	349	301	0.71
C361	KOK	2 +	361	360	0.77
c377	KOK	2 +	377	511	0.95
C381	KOK	2 +	381	508	0.92
c391	KOK	2 +	391	369	0.62
c399	KOK	2 +	399	616	0.97
C406	KOK	2 +	406	560	0.84
C410	KOK	2 +	410	578	0.84
C321	KOK	2 +	321	334	1.01
C346	KCX	2 +	346	324	0.78
C360	KOK	2 +	355	360	0.80
C370	KOK	2 +	370	443	0.87
C406	KOK	2 +	406	592	0.88
C428	KCX	2 +	428	724	0.92
c429	KOK	2 +	429	605	0.77
c341	KOK	2 +	341	416	1.05
C361	KOK	2 +	361	439	0.93
C370	KOK	2 +	370	472	0.93
C370	KOK	2 +	370	481	0.95
C380	KOK	2 +	380	457	0.83
c391	KOK	2 +	391	507	0.85
c392	KOK	2 +	392	588	0.98
c399	KOK	2 +	399	537	0.85
C401	KOK	2 +	401	706	1.09
C428	KOK	2 +	428	567	0.72
C450	KOK	2 +	450	817	0.90
C450	KOK	2 +	450	817	0.90
c451	KOK	2 +	451	851	0.93
c475	KCX	2 +	475	1136	1.06
C325	KOK	2 +	325	232	0.68
c371	KOK	2 +	371	444	0.87
C387	KOK	2 +	387	514	0.89
c392	KOK	2 +	392	576	0.96
c399	KOK	2 +	399	571	0.90
C325	KOK	2 +	325	313	0.91
c339	KOK	2 +	339	364	0.93
C356	KOK	2 +	356	414	0.92
c359	KOK	2 t	359	401	0.87
C362	KOK	2 +	362	436	0.92
C365	KOK	2 +	365	459	0.94
C367	KOK	2 +	367	463	0.94

Table D2 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
C368	KOK	2 +	368	493	0.99
C368	KOK	2 +	368	506	1.02
c371	KOK	2 +	371	442	0.87
c371	KOK	2 +	371	476	0.93
C372	KOK	2 +	372	475	0.92
c375	KOK	2 +	375	473	0.90
C381	KOK	2 +	381	475	0.86
C386	KOK	2 +	386	524	0.91
C389	KOK	2 +	389	556	0.94
c391	KOK	2 +	391	543	0.91
c399	KOK	2 +	399	723	1.14
C406	KOK	2 +	406	655	0.98
C406	KOK	2 +	406	520	0.78
C409	KCK	2 +	409	615	0.90
c414	KOK	2 +	414	603	0.85
C416	KOK	2 +	416	651	0.90
C416	KOK	2 +	416	570	0.79
C421	KOK	2 +	421	588	0.79
C421	KOK	2 +	421	721	0.97
C421	KOK	2 +	421	785	1.05
C422	KOK	2 +	422	620	0.83
C425	KOK	2 +	425	662	0.86
C446	KOK	2 +	446	757	0.85
c529	KOK	2 +	529	1234	0.83
c351	KOK	2 +	351		
C368	KOK	2 +	368	374	0.75
c392	KOK	2 +	392		
C400	KOK	2 +	400		
JP2	KOK	2 +	391	572	0.96
JP3	KOK	2 +	361	430	0.91
JP8	KOK	2 +	340	318	0.81
JP4	KOK	2 +	402	541	0.83
JP7	KCX	2 +	380	461	0.84
JP10	KOK	2 +	381	523	0.95
JP13	KOK	2 +	421	697	0.93
JP1	KOK	2 +	389		
JP2	KOK	2 +	352		
JP4	KOK	2 +	369		
JP6	KCX	2 +	408		
JP12	KOK	2 +	359	469	1.01
JP14	KOK	2 +	419	698	0.95
c319	KCX	2 +	319	401	1.24
C352	KOK	2 +	352	386	0.89
C381	KOK	2 +	381	422	0.76
C382	KOK	2 +	382	517	0.93
C401	KOK	2 +	401	411	0.64
JP21	KOK	2 +	315	333	1.07

Table D2 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
JP22	KOK	2 +	391	456	0.76
JP18	KOK	2 +	400	524	0.82
JP19	KCX	2 +	361	389	0.83
JP20	KOK	2 +	391	492	0.82
C336	KCX	2 +	336	341	0.90
c341	KOK	2 +	341	309	0.78
C346	KOK	2 +	346	318	0.77
c351	KOK	2 +	351	350	0.81
c354	KOK	2 +	354	398	0.90
C361	KOK	2 +	361	426	0.91
C364	KOK	2 +	364	403	0.84
c371	KOK	2 +	371	432	0.85
C380	KOK	2 +	380	517	0.94
C381	KOK	2 +	381	513	0.93
C382	KOK	2 +	382	516	0.93
C386	KOK	2 +	386	511	0.89
c391	KOK	2 +	391	501	0.84
c399	KOK	2 +	399	552	0.87
C401	KOK	2 +	401	602	0.93
c413	KOK	2 +	413	598	0.85
JP24	KCX	2 +	381	466	0.84
C369	KOK	2 +	369	377	0.75
C389	KOK	2 +	389	516	0.88
C342	KOK	2 +	342	381	0.95
JP1	KOK	2 +	337	344	0.90
JP2	KOK	2 +	396	555	0.89
JP3	KOK	2 +	383	523	0.93
JP4	KOK	2 +	353	360	0.82
JP5	KOK	2 +	381	537	0.97
1	KOK	2 +	356	410	0.91
coo1	KCX	2 +	511	581	0.44
3	KOK	2 +	320	367	1.12
2	KOK	2 +	310		
5	KCX	2 +	350	455	1.06
6	KOK	2 +	335	440	1.17
7	KOK	2 +	330	400	1.11
C482	KOK	3 +	482	1137	1.02
C506	KOK	3 +	506	1201	0.93
C421	KOK	3 +	421		
C430	KOK	3 +	430		
JP1	KCX	3 +	421	652	0.87
JP6	KOK	3 +	421	591	0.79
JP5	KOK	3 +	510	1097	0.83
JP9	KOK	3 +	442	826	0.96
JP15	KOK	3 +	441	681	0.79
JP16	KOK	3 +	521	1165	0.82
F3	KOK	3 +	419		

Table D2 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
JP5	KOK	3+	451		
JP11	KOK	3+	402	541	0.83
JP17	KCX	3+	402	565	0.87
c411	KOK	3+	411	630	0.91
c419	KOK	3+	419	630	0.86
JP23	KCX	3+	378	548	1.01
c391	KOK	3+	391	453	0.76
1	KOK	3+	457	613	0.64
3	KOK	3+	485		
4	KCX	3+	483		

Table D3 Age, capture length, weight and condition factor of rainbow trout captured during relative abundance surveys on Lake Roosevelt in May, August, and October 1990.

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
1	RBT	o+	228	108	0.91
3	RBT	o+	68	3	0.95
13	RBT	ot	250	167	1.07
14	RBT	ot	115	14	0.92
18	RBT	o+	255	180	1.09
21	RBT	o+	126	20	1.00
27	RBT	o+	160	26	0.63
28	RBT	o+	112	60	
30	RBT	o+	135	20	0.81
35	RBT	o+	149	29	0.88
1	RBT	o+	305	336	1.18
1	RBT	o+	214	95	0.97
4	RBT	o+	300	350	1.30
5	RBT	o+	138	30	1.14
5	RBT	o+	334	421	1.13
5	RBT	o+	298	306	1.16
6	RBT	ot	135	25	1.02
6	RBT	o+	330	410	1.14
6	RBT	o+	331	411	1.13
7	RBT	o+	330	481	1.34
10	RBT	o+	223	118	1.06
10	RBT	o+	340	432	1.10
10	RBT	o+	330	377	1.05
11	RBT	o+	310	372	1.25
11	RBT	o+	337	436	1.14
12	RBT	o+	312	343	1.13
13	RBT	ot	173	54	1.04
13	RBT	o+	305	335	1.18
14	RBT	o+	304	284	1.01
14	RBT	o+	305	291	1.03
15	RBT	o+	216	115	1.14
15	RBT	o+	333	490	1.33
20	RBT	o+	322	356	1.07
21	RBT	o+	292	285	1.14
22	RBT	o+	189	66	0.98
22	RBT	o+	291	261	1.06

Table D3 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
22	RBT	o+	287	259	1.10
25	RBT	o t	320	394	1.20
27	RBT	o+	303	323	1.16
32	RBT	o+	330	433	1.20
33	RBT	o+	305	337	1.19
34	RBT	o+	312	336	1.11
37	RBT	o+	266	341	1.81
21	RBT	o+	213	110	1.14
22	RBT	o+	198	85	1.10
22	RBT	o+	110	10	0.75
23	RBT	o+	177	64	1.15
24	RBT	o+	133	23	0.98
24	RBT	o+	312	353	1.16
28	RBT	o+	334	450	1.21
1	RBT	1+	230	118	0.97
1	RBT	1+	315	453	1.45
1	RBT	1+	191	68	0.98
2	RBT	1+	275	232	1.12
2	RBT	1+	115	18	1.18
2	RBT	1+	292	248	1.00
2	RBT	1+	160	40	0.98
2	RBT	1+	165	33	0.73
3	RBT	1+	200	80	1.00
3	RBT	1+	212	96	1.01
3	RBT	1+	280	223	1.02
3	RBT	1+	234	141	1.10
4	RBT	1+	175	40	0.75
4	RBT	1+	212	113	1.19
4	RBT	1+	250	130	0.83
5	RBT	1+	155	27	0.73
5	RBT	1+	225	113	0.99
5	RBT	1+	255	154	0.93
6	RBT	1+	90	3	0.41
6	RBT	1+	120	15	0.87
7	RBT	1+	92	5	0.64
12	RBT	1+	165	43	0.96
14	RBT	1+	120	16	0.93
15	RBT	1+	303	303	1.09
16	RBT	1+	280	223	1.02
17	RBT	1+	370	550	1.09

Table D3 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
17	RBT	1+	270	217	1.10
31	RBT	1+	144	28	0.94
32	RBT	1+	198	78	1.00
33	RBT	1+	203	97	1.16
37	RBT	1+	348	511	1.21
38	RBT	1+	347	546	1.31
1	RBT	1+	209	91	1.00
1	RBT	1+	130	20	0.91
2	RBT	1+	144	26	0.87
2	RBT	1+	320	407	1.24
3	RBT	1+	155	42	1.13
3	RBT	1+	324	358	1.05
4	RBT	1+	183	55	0.90
7	RBT	1+	414	891	1.26
7	RBT	1+	436	968	1.17
14	RBT	1+	447	858	0.96
16	RBT	1+	149	23	0.70
18	RBT	1+	409	641	0.94
1	RBT	1+	141	20	0.71
1	RBT	1+	413	711	1.01
2	RBT	1+	136	20	0.80
2	RBT	1+	385	733	1.28
2	RBT	1+	390	838	1.41
3	RBT	1+	185	52	0.82
3	RBT	1+	361	581	1.23
4	RBT	1+	383	723	1.29
4	RBT	1+	347	459	1.10
5	RBT	1+	385	664	1.16
5	RBT	1+	328	396	1.12
6	RBT	1+	430	1035	1.30
7	RBT	1+	365	631	1.30
7	RBT	1+	110	18	1.35
7	RBT	1+	443	1183	1.36
8	RBT	1+	385	605	1.06
9	RBT	1+	378	594	1.10
10					
10	RBT RBT	1+	423 368	620 924	1.24 1.22
10	RBT	1+	380	588	1.07
10	RBT	1+	470	934	0.90
11	RBT	1+	405	870	1.31

Table D3 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
11	RBT	1+	382	643	1.15
11	RBT	1+	360	566	1.21
12	RBT	1+	384	745	1.32
13	RBT	1+	368	655	1.31
14	RBT	1+	325	461	1.34
14	RBT	1+	365	650	1.34
14	RBT	1+	346	492	1.19
15	RBT	1+	235	141	1.09
15	RBT	1+	445	1045	1.19
15	RBT	1+	315	361	1.15
17	RBT	1+	386	740	1.29
17	RBT	1+	339	475	1.22
18	RBT	1+	355	539	1.20
19	RBT	1+	443	1050	1.21
19	RBT	1+	332	423	1.16
19	RBT	1+	355	543	1.21
20	RBT	1+	420	995	1.34
20	RBT	1+	315	401	1.28
21	RBT	1+	456	1186	1.25
22	RBT	1+	394	763	1.25
25	RBT	1+	126	21	1.05
8	RBT	2+	230	115	0.95
11	RBT	2+	335	393	1.05
16	RBT	2+	425	881	1.15
18	RBT	2+	246	181	1.22
20	RBT	2+	235	138	1.06
42	RBT	2+	413	894	1.27
43	RBT	2+	443	934	1.07
44	RBT	2+	492	1087	0.91
45	RBT	2+	558	950	0.55
2	RBT	2+	225	113	0.99
3	RBT	2+	177	48	0.87
4	RBT	2+	180	55	0.94
4	RBT	2+	170	41	0.83
12	RBT	2+	210	101	1.09
13	RBT	2+	235	153	1.18
16	RBT	2+	335	370	0.98
17	RBT	2+	160	43	1.05
17	RBT	2+	417	715	0.99
19	RBT	2+	193	75	1.04

Table D3 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
24	RBT	2t	375	563	1.07
28	RBT	2+	314	388	1.25
30	RBT	2+	543	1747	1.09
3	RBT	2+	335	412	1.10
13	RBT	2+	361	523	1.11
16	RBT	2+	263	187	1.03
18	RBT	2+	530	1590	1.07
24	RBT	2+	457	1112	1.17
25	RBT	2+	460	1106	1.14
25	RBT	2+	469	1202	1.17
29	RBT	2+	347	408	0.98
1	RBT	3+	485	1183	1.04
9	RBT	3+	385	464	0.81
15	RBT	3+	405	599	0.90
17	RBT	3+	262	182	1.01
25	RBT	3+	452	1100	1.19
34	RBT	3+	325	399	1.16
36	RBT	3+	342	491	1.23
1	RBT	3+	370	631	1.25
2	RBT	3+	338	356	0.92
26	RBT	3+	410	727	1.05
31	RBT	3+	321	383	1.16
3	RBT	3+	322	363	1.09
12	RBT	3+	419	739	1.00
13	RBT	3+	502	942	0.74
16	RBT	3+	471	1166	1.12
21	RBT	3+	350	481	1.12
22	RBT	3+	330	358	1.00
24	RBT	3+	361	489	1.04
30	RBT	3+	309	323	1.09
39401	RBT	3+	336		
3	RBT	4+	460	943	0.97
10	RBT	4+	505	943	0.73
12	RBT	4t	345	500	1.22
12	RBT	4+	480	1093	0.99
12	RBT	4+	415	749	1.05
15	RBT	4+	492	694	0.58
29	RBT	4t	461	1003	1.02
20	RBT	4+	459	700	0.72
1	RBT	5+	485	1183	1.04
13	RBT	5+	534	1354	0.89

Table D3 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
15	RBT	5+	437	702	0.84
18	RBT	5+	455	960	1.02
24	RBT	5+	425	762	0.99
26	RBT	5+	398	614	0.97
39	RBT	5+	426	674	0.87
41	RBT	5+	414	825	1.16
X	RBT	5+	405	1212	1.82
34938	RBT	5+	550		
13	RBT	6+	465	818	0.81
16	RBT	6+	480	1214	1.10
46	RBT	6+	535	1028	0.67

Table D4 Age, capture length, weight and condition factor of rainbow trout captured by anglers on Lake Roosevelt in 1990.

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
19	RBT	0+	232	140	1.12
1	RBT	0+	290	239	0.98
2	RBT	0+	280	228	1.04
4	RBT	0+	320	350	1.07
6	RBT	0+	385	267	0.47
1	RBT	0+	295	312	1.22
2	RBT	0+	280	263	1.20
39373	RBT	0+	280	263	1.20
260	RBT	0+	260		
270	RBT	0+	270	220	1.12
280	RBT	0+	280	185.5	0.85
39480	RBT	0+	280	247.5	1.13
C270	RBT	0+	270	220	1.12
C280	RBT	0+	280	186	0.85
1	RBT	0+	285	240	1.04
6	RBT	0+	329	426	1.2
RP- 10	RBT	0+	270	220	1.12
RP- 2	RBT	0+	300	291.5	1.08
RP- 3	RBT	0+	310	401	1.35
RP- 4	RBT	0+	320	373	1.14
RP- 6	RBT	0+	285	258	1.11
RP- 7	RBT	0+	310	338	1.13
RP- 8	RBT	0+	305	336	1.18
RP- 9	RBT	0+	270	221	1.12
RP- 300	RBT	0+	300	369	1.37
C300	RBT	0+	300	298	1.1
RP- 285	RBT	0+	285	256	1.11
RP- 295	RBT	0+	295	287	1.12
RP- 300	RBT	0+	300	329	1.22
RP- 300	RBT	0+	300	314	1.16
RP- 305	RBT	0+	305	282	0.99
RP- 305	RBT	0+	305	283	1.00
RP- 306	RBT	0+	306	266	0.93
RP- 315	RBT	0+	315	325	1.04
RP- 320	RBT	0+	320	316	0.96
RP- 310	RBT	0+	310	322	1.08
RP- 310	RBT	0+	310	364	1.22
RP- 315	RBT	0+	315		
39422	RBT	0+	300		
38890	RBT	0+	325	364	1.06
273	RBT	0+	273	265	1.30
3	RBT	0+	334	392	1.05
4	RBT	0+	362	543	1.14
5	RBT	0+	364	608	1.26
C005	RBT	0+	195	84	1.13
Cl	RBT	1+	310		

Table D4 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
C 2	RBT	1 +	285		
c3	RBT	1 +	310	314	1.05
c33	RBT	1 +	272	232	1.15
c34	RBT	1 +	262	136	0.76
c35	RBT	1 +	260	121	0.69
C36	RBT	1 +	271	142	0.71
c37	RBT	1 +	250	121	0.77
C38	RBT	1 +	276	152	0.72
c39	RBT	1 +	223	142	1.28
c41	RBT	1 +	301	245	0.90
c43	RBT	1 +	286	210	0.90
c44	RBT	1 +	253	111	0.69
c45	RBT	1 +	276	180	0.86
c47	RBT	1 +	247	121	0.80
C48	RBT	1 +	286	210	0.90
c49	RBT	1 +	271	172	0.86
C50	RBT	1 +	265	165	0.89
c51	RBT	1 +	285	229	0.99
C52	RBT	1 +	285	209	0.90
c53	RBT	1 +	335	337	0.90
c54	RBT	1 +	273	145	0.71
c55	RBT	1 +	281	172	0.78
C56	RBT	1 +	280	160	0.73
c57	RBT	1 +	293	222	0.88
c59	RBT	1 +	266	162	0.86
C60	RBT	1 +	312	267	0.88
C61	RBT	1 +	320	317	0.97
C62	RBT	1 +	310	320	1.07
C63	RBT	1 +	316	307	0.97
C64	RBT	1 +	232	101	0.81
C65	RBT	1 +	308	272	0.93
c313	RBT	1 +	313	296	0.97
C321	RBT	1 +	321	306	0.93
Cl	RBT	1 +	261	142	0.80
Cl 0	RBT	1 +	333	342	0.93
Cl 1	RBT	1 +	333	363	0.98
c2	RBT	1 +	264	152	0.83
c3	RBT	1 +	257	142	0.84
C4	RBT	1 +	290	202	0.83
c5	RBT	1 +	285	237	1.02
C6	RBT	1 +	254	157	0.96
c7	RBT	1 +	307	262	0.91
C8	RBT	1 +	280	207	0.94
C9	RBT	1 +	298	241	0.91
C12	RBT	1 +	271	160	0.80
C13	RBT	1 +	277	182	0.86
C270	RBT	1 +	270	250	1.27
C269	RBT	1 +	269	212	1.09

Table D4 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
c292	RBT	1+	292	230	0.92
C312	RBT	1+	312	241	0.79
C326	RBT	1+	326	301	0.87
C14	RBT	1+	281	206	0.93
C15	RBT	1+	328	300	0.85
C16	RBT	1+	382	442	0.79
C17	RBT	1+	300	280	1.04
C19	RBT	1+	315	320	1.02
C20	RBT	1+	282	162	0.72
c21	RBT	1+	270	146	0.74
Cl	RBT	1+	305	300	1.06
C206	RBT	1+	206	280	3.20
C218	RBT	1+	218	272	2.63
C251	RBT	1+	251		
C281	RBT	1+	281	266	1.20
C286	RBT	1+	286	239	1.02
C290	RBT	1+	290	255	1.05
C290	RBT	1+	290	289	1.18
c292	RBT	1+	292	258	1.04
C296	RBT	1+	296	293	1.13
C300	RBT	1+	300	286	1.06
C302	RBT	1+	302	280	1.02
C308	RBT	1+	308	333	1.14
C310	RBT	1+	310	391	1.31
C332	RBT	1+	332	284	0.78
C356	RBT	1+	356	315	0.70
C321	RBT	1+	321	310	0.94
c22	RBT	1+	315	300	0.96
C23	RBT	1+	304	245	0.87
C24	RBT	1+	280	184	0.84
C25	RBT	1+	292	263	1.06
C26	RBT	1+	296	243	0.94
C27	RBT	1+	252	163	1.02
C28	RBT	1+	287	207	0.88
c29	RBT	1+	313	285	0.93
C30	RBT	1+	290	180	0.74
c31	RBT	1+	302	244	0.89
C32	RBT	1+	296	232	0.89
Cl	RBT	1+	262	142	0.79
c2	RBT	1+	260	142	0.81
c3	RBT	1+	271	142	0.71
C4	RBT	1+	305	300	1.06
C5	RBT	1+	310	262	0.88
C6	RBT	1+	310	279	0.94
c7	RBT	1+	307	277	0.96
Cl1	RBT	1+	271	102	0.51
C12	RBT	1+	291	257	1.04
C8	RBT	1+	276	145	0.69

Table D4 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
C9	RBT	1 +	280	192	0.87
?	RBT	1 +	309	285	0.97
C13	RBT	1 +	282	260	1.16
C14	RBT	1 +	275	182	0.88
C15	RBT	1 +	285	191	0.83
C16	RBT	1 +	282	197	0.88
C17	RBT	1 +	288	197	0.82
C18	RBT	1 +	302	273	0.99
C19	RBT	1 +	287	165	0.70
C20	RBT	1 +	271	172	0.86
c21	RBT	1 +	315	301	0.96
c21	RBT	1 +	315	301	0.96
C27	RBT	1 +	282	193	0.86
C251	RBT	1 +	251	121	0.77
C273	RBT	1 +	273	162	0.80
C278	RBT	1 +	278	182	0.85
C300	RBT	1 +	300	222	0.82
C312	RBT	1 +	312	282	0.93
C6	RBT	1 +	260	142	0.81
C270	RBT	1 +	270	200	1.02
C270	RBT	1 +	270	222	1.13
C272	RBT	1 +	272	231	1.15
C273	RBT	1 +	273	246	1.21
C282	RBT	1 +	282	234	1.04
C285	RBT	1 +	285	183	0.79
C285	RBT	1 +	285	238	1.03
C285	RBT	1 +	285	215	0.93
C290	RBT	1 +	290	255	1.05
c295	RBT	1 +	295	260	1.01
c295	RBT	1 +	295	301	1.17
c295	RBT	1 +	295	277	1.08
C300	RBT	1 +	300	293	1.09
C300	RBT	1 +	300	310	1.15
C300	RBT	1 +	300	293.5	1.09
C305	RBT	1 +	305	280	0.99
C305	RBT	1 +	305	304	1.07
C305	RBT	1 +	305	273	0.96
C310	RBT	1 +	310	329	1.10
C310	RBT	1 +	310	258	0.87
C310	RBT	1 +	310	298	1.00
c311	RBT	1 +	311	300	1.00
c311	RBT	1 +	311	328	1.09
C312	RBT	1 +	312	355	1.17
c313	RBT	1 +	313	346	1.13
c315	RBT	1 +	315	335	1.07
c317	RBT	1 +	317	300	0.94
C342	RBT	1 +	342	429	1.07
C310	RBT	1 +	310	298	1.00

Table D4 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
c7	RBT	1+	308	222	0.76
C10	RBT	1+	277	162	0.76
C11	RBT	1+	296	192	0.74
C13	RBT	1+	285	189	0.82
C14	RBT	1+	272	187	0.93
C15	RBT	1+	315	262	0.84
C8	RBT	1+	326	315	0.91
C9	RBT	1+	309	305	1.03
C16	RBT	1+	288	362	1.52
C17	RBT	1+	286	202	0.86
C18	RBT	1+	295	242	0.94
C19	RBT	1+	301	222	0.81
C20	RBT	1+	282	210	0.94
c21	RBT	1+	271	222	1.12
c22	RBT	1+	295	244	0.95
C23	RBT	1+	303	283	1.02
C24	RBT	1+	316	362	1.15
C25	RBT	1+	295	223	0.87
C26	RBT	1+	251	132	0.83
C27	RBT	1+	275	162	0.78
C28	RBT	1+	289	231	0.96
c29	RBT	1+	286	203	0.87
C30	RBT	1+	303	261	0.94
c31	RBT	1+	290	210	0.86
C32	RBT	1+	290	212	0.87
c33	RBT	1+	300	232	0.86
c34	RBT	1+	262	143	0.80
c35	RBT	1+	244	163	1.12
C36	RBT	1+	335	343	0.91
C321	RBT	1+	321	316	0.96
C320	RBT	1+	320	272	0.83
C330	RBT	1+	330	362	1.01
C281	RBT	1+	281	194	0.87
C312	RBT	1+	312	269	0.89
c341	RBT	1+	341	362	0.91
c299	RBT	1+	299	286	1.07
C300	RBT	1+	300	324	1.20
C309	RBT	1+	309	285	0.97
C320	RBT	1+	320	300	0.92
C328	RBT	1+	328	371	1.05
C289	RBT	1+	289		
c292	RBT	1+	292	217	0.87
C305	RBT	1+	305		
C306	RBT	1+	306	-	
c315	RBT	1+	315	356	1.14
C321	RBT	1+	321		
C321	RBT	1+	321		
C340	RBT	1+	340		

Table D4 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
c341	RBT	1 +	341		
C296	RBT	1 +	296	243	0.94
C296	RBT	1 +	296	285	1.10
C301	RBT	1 +	301	250	0.92
c312	RBT	1 +	312	282	0.93
C321	RBT	1 +	321	286	0.86
C350	RBT	1 +	350	424	0.99
c371	RBT	1 +	378	511	0.95
c339	RBT	1 +	339	376	0.97
C402	RBT	1 +	402		
c299	RBT	1 +	299	285	1.07
c319	RBT	1 +	319	611	1.88
c299	RBT	1 +	299	285	1.07
C318	RBT	1 +	318	271	0.84
C332	RBT	1 +	332	317	0.87
c391	RBT	1 +	391	602	1.01
3	RBT	1 +	264	188	1.02
RP- 7	RBT	1 +	340	420	1.07
RP- 310	RBT	1 +	310	345	1.16
55219	RBT	1 +	400		
RP- 365	RBT	1 +	365	538	1.11
410	RBT	1 +	410	216	0.31
6	RBT	1 +	352	506	1.16
342	RBT	1 +	342	395	0.99
390	RBT	1 +	370	556	1.10
2	RBT	1 +	375		
3	RBT	1 +	353		
4	RBT	1 +	375		
5	RBT	1 +	373		
6	RBT	1 +	365		
7	RBT	1 +	383		
320	RBT	1 +	320		
2	RBT	1 +	350	450	1.05
C003	RBT	1 +	305	296	1.04
343	RBT	1 +	343	454	1.13
359	RBT	1 +	359	525	1.13
360	RBT	1 +	360	480	1.03
364	RBT	1 +	364	534	1.11
365	RBT	1 +	365	542	1.11
366	RBT	1 +	366	525	1.07
370	RBT	1 +	370	548	1.08
371	RBT	1 +	371	535	1.05
372	RBT	1 +	372	560	1.09
375	RBT	1 +	375	545	1.03
386	RBT	1 +	386	620	1.08
390	RBT	1 +	390	637	1.07
380	RBT	1 +	380	500	0.91

Table D4 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
383	RBT	1+	383	501	-0.89
386	RBT	1+	386	533	0.93
400	RBT	1+	400	590	0.92
360	RBT	1+	360	520	1.11
380	RBT	1+	380	690	1.26
389	RBT	1+	389	594	1.01
390	RBT	1+	390	662	1.12
390	RBT	1+	390	770	1.30
391	RBT	1+	391	745	1.25
392	RBT	1+	392	566	0.94
392	RBT	1+	392	566	0.94
401	RBT	1+	401	760	1.18
402	RBT	1+	402	688	1.06
444	RBT	1+	444	1110	1.27
8	RBT	1+	393	720	1.19
420	RBT	1+	420	716	0.97
401	RBT	1+	401	710	1.10
c392	RBT	1+	392		
C390	RBT	2+	390	631	1.06
C372	RBT	2+	372	505	0.98
JP1	RBT	2+	410	596	0.86
C193	RBT	2+	193		
c345	RBT	2+	345	463	1.13
21	RBT	2+	198	63	0.81
4	RBT	2+	310	346	1.16
505	RBT	2+	505	1108	0.86
C483	RBT	3+	483	1365	1.21
C410	RBT	3+	410	641	0.93
C430	RBT	3+	430	582	0.73
c431	RBT	3+	431	780	0.97
C362	RBT	3+	362	410	0.86
c371	RBT	3+	371	469	0.92
c292	RBT	3+	292	301	1.21
C340	RBT	3+	340	405	1.03
C268	RBT	3+	268		
c295	RBT	3+	295	238	0.93
C290	RBT	3+	290	307	1.26
C452	RBT	3+	452	907	0.98
JP3	RBT	3+	365	446	0.92
C376	RBT	3+	376	486	0.91
21051	RBT	3+	330	353	0.98
21502	RBT	3+	310	301	1.01
21508	RBT	3+	310	270	0.91
21511	RBT	3+	280	225	1.02
c295	RBT	3+	295	288	1.12
C325	RBT	3+	325	335	0.98
Y21507	RBT	3+	330	425	1.18
c349	RBT	3+	349	592	1.39

Table D4 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
C42	RBT	4 +	550	1680	1.01
C46	RBT	4 +	492	1400	1.18
C520	RBT	4 +	520	1181.5	0.84
C500	RBT	4 +	500	1170	0.94
c435	RBT	4 +	435	711	0.86
c439	RBT	4 +	439	787	0.93
C406	RBT	4 +	406	792	1.18
C421	RBT	4 +	421	640	0.86
C448	RBT	4 +	448	781	0.87
C321	RBT	4 +	321	272	0.82
C418	RBT	4 +	418	689	0.94
C402	RBT	4 +	402	644	0.99
C410	RBT	4 +	410	683	0.99
C420	RBT	4 +	420	579	0.78
c437	RBT	4 +	431	482	0.60
C440	RBT	4 +	440	753	0.88
C396	RBT	4 +	396	554	0.89
C402	RBT	4 +	402		
c419	RBT	4 +	419		
c439	RBT	4 +	439		
C465	RBT	4 +	465	1035	1.03
C362	RBT	4 +	362	522	1.10
C385	RBT	4 +	385	491	0.86
c394	RBT	4 +	394	570	0.93
C423	RBT	4 +	423	736	0.97
JP2	RBT	4 +	407	590	0.88
JP4	RBT	4 +	408	565	0.83
JP6	RBT	4 +	532	1368	0.91
C466	RBT	4 +	466	833	0.82
21510	RBT	4 +	436	813	0.98
C411	RBT	4 +	411	814	1.17
C430	RBT	4 +	430	867	1.09
c439	RBT	4 +	439	928	1.10
C440	RBT	4 +	440	853	1.00
C440	RBT	4 +	440	908	1.07
6	RBT	4 +	419		
5	RBT	4 +	500	1007	0.81
C500	RBT	4 +	500	1007	0.81
coo2	RBT	4 +	285	683	2.95
C10	RBT	5 +	510	1292	0.97
C506	RBT	5 +	506	1249	0.96
C450	RBT	5 +	450	923	1.01
JP5	RBT	5 +	481	1061	0.95
21509	RBT	5 +	481	1150	1.03
C525	RBT	5 +	525	1200	0.83

Table D5 Age, capture length, weight and condition factor of walleye captured during relative abundance surveys on Lake Roosevelt in May, August, and October 1990.

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
7	WE	o+	82	5	0.91
8		o+	95	7	0.82
11	WE	o+	93	6	0.75
12	WE	o+	102	5	0.47
1	WE	o+	164	35	0.79
1	WE	o+	172	29	0.57
2	WE	o+	156	29	0.76
2	WE	o+	146	25	0.80
2	WE	o+	185	45	0.71
3	WE	o+	182	46	0.76
3	WE	o+	204	71	0.84
4	WE	o+	168	35	0.74
6	WE	o+	156	28	0.74
9	WE	o+	161	32	0.77
10	WE	o+	93	4	0.50
11	WE	o+	216	84	0.83
11	WE	o+	147	20	0.63
12	WE	o+	142	19	0.66
13	WE	o+	155	24	0.64
14	WE	o+	124	23	1.21
15	WE	o+	182	43	0.71
16	WE	o+	196	51	0.68
5	WE	1+	205	73	0.85
6	WE	1+	215	81	0.82
7	WE	1+	206	70	0.80
8	WE	1+	215	44	0.44
9	WE	1+	175	48	0.90
9	WE	1+	175	44	0.82
10	WE	1+	210	78	0.84
11	WE	1+	176	43	0.79
11	WE	1+	95	4	0.47
11	WE	1+	182	46	0.76
11	WE	1+	86	4	0.63
12	WE	1+	168	54	0.65
12	WE	1+	195	56	0.73
13		1+	200		0.70
13	WE	1+	210	76	0.82
21	WE	1+	95	58	0.58
22	WE	1+	195	88	0.78
23	WE	1+	220		0.83
29	WE	1+	210	70	0.76
1	WE	1+	227	83	0.71
1	WE	1+	227	93	0.80
1	WE	1+	218	78	0.75

Table D5 continued

Fish Number	Species	Age	Capture Lenath	Capture Weia ht	Condition Factor
2	WE	1+	240	106	0.77
2	WE	1+	263	143	0.79
2	WE	1+	220	74	0.69
2	WE	1+	232	99	0.79
2	WE	1+	264	145	0.79
3	WE	1+	224	86	0.77
3	WE	1+	217	78	0.76
3	WE	1+	212	40	0.42
3	WE	1+	244	113	0.78
3	WE	1+	275	162	0.78
4	WE	1+	217	79	0.77
4	WE	1+	210	86	0.93
4	WE	1+	234	234	1.83
5	WE	1+	280	165	0.75
5	WE	1+	232	100	0.80
5	WE	1+	256	264	1.57
6	WE	1+	230	97	0.80
6	WE	1+	246	117	0.79
7	WE	1+	290	207	0.85
7	WE	1+	233	101	0.80
8	WE	1+	205	66	0.77
9	WE	1+	215	75	0.75
9	WE	1+	228	100	0.84
9	WE	1+	257	118	0.70
10	WE	1+	204	63	0.74
11	WE	1+	235	102	0.79
13	WE	1+	130	18	0.82
14	WE	1+	212	68	0.71
14	WE	1+	166	37	0.81
14	WE	1+	200	58	0.73
14	WE	1+	105	9	0.78
15	WE	1+	180	45	0.77
15	WE	1+	180	43	0.74
18	WE	1+	123	16	0.86
19	WE	1+	132	18	0.78
21	WE	1+	202	63	0.76
23	WE	1+	123	16	0.86
2	WE	1+	255	128	0.77
4	WE	1+	296	208	0.80
5	WE	1+	300	229	0.85
5	WE	1+	303	220	0.79
6	WE	1+	302	220	0.80
6	WE	1+	280	177	0.81
8	WE	1+	275	138	0.66
11	WE	1+	299	202	0.76
12	WE	1+	280	207	0.94
12	WE	1+	160	54	1.32
13	WE	1+	276	159	0.76

Table D5 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
13	WE	1+	294	185	0.73
14	WE	1+	295	211	0.82
14	WE	1+	296	201	0.78
15	WE	1+	265	145	0.78
15	WE	1+	310	243	0.82
15	WE	1+	296	186	0.72
16	WE	1+	290	190	0.78
16	WE	1+	280	159	0.72
16	WE	1+	280	168	0.77
18	WE	1+	275	140	0.67
19	WE	1+	240	104	0.75
20	WE	1+	293	194	0.77
26	WE	1+	278	153	0.71
27	WE	1+	268	146	0.76
31	WE	1+	280	205	0.93
33	WE	1+	272	183	0.91
34	WE	1+	255	154	0.93
46	WE	1+	279	150	0.69
47	WE	1+	272	155	0.77
48	WE	1+	279	152	0.70
49	WE	1+	280	166	0.76
50	WE	1+	267	144	0.76
51	WE	1+		118	
53	WE	1+	378	156	0.29
54	WE	1+	265	150	0.81
55	WE	1+	283	175	0.77
3	WE	2+	340	339	0.86
4	WE	2+	316	268	0.85
6	WE	2+	320	260	0.79
6	WE	2+	347	308	0.74
10	WE	2+	320	235	0.72
11	WE	2+	334	280	0.75
12	WE	2+	343	310	0.77
12	we	2+	360	264	0.57
13	WE	2+	340	336	0.85
14	WE	2+	316	316	1.00
14	WE	2+	290	230	0.94
14	WE	2+	310	209	0.70
15	WE	2+	295	206	0.80
15	WE	2+	305	235	0.83
15	WE	2+	290	184	0.75
15	WE	2+	340	292	0.74
16	WE	2+	305	245	0.86
16	WE	2+	344	367	0.90
17	WE	2+	310		
18	WE	2+	325	290	0.84
20	WE	2+	289	185	0.77
22	WE	2+	245	118	0.80

Table D5 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
23	WE	2+	220	78	0.73
24	WE	2+	200	57	0.71
25	WE	2+	210	73	0.79
26	WE	2+	215	80	0.80
27	WE	2+	211	80	0.85
3	WE	2+	341	288	0.73
4	WE	2+	310	238	0.80
4	WE	2+	362	391	0.82
7	WE	2+	325	246	0.72
7	WE	2+	325		
8	WE	2+	364	366	0.76
8	WE	2+	315	266	0.85
9	WE	2+	324	227	0.67
9	WE	2+	324	288	0.85
9	WE	2+	343	300	0.74
10	WE	2+	332	311	0.85
11	WE	2+	326	288	0.83
11	WE	2+	341	308	0.78
12	WE	2+	323	275	0.82
12	WE	2+	355	363	0.81
12	WE	2+	333	313	0.85
13	WE	2+	340	365	0.93
13	WE	2+	253	119	0.73
17	WE	2+	380	445	0.81
18	WE	2+	358	379	0.83
18	WE	2+	364	361	0.75
19	WE	2+	380	474	0.86
19	WE	2+	353	349	0.79
20	WE	2+	382	465	0.83
22	WE	2+	340	340	0.87
5	WE	2+	406	508	0.76
6	WE	2+	415	491	0.69
6	WE	2+	384	463	0.82
7	WE	2+	315	258	0.83
7	WE	2+	360	560	1.20
8	WE	2+	369	438	0.87
8	WE	2+	365	470	0.97
8	WE	2+	353	403	0.92
9	WE	2+	333	257	0.70
10	WE	2+	376	421	0.79
10	WE	2+	310	259	0.87
11	WE	2+	382	512	0.92
12	WE	2+	315	206	0.66
12	WE	2+	276	160	0.76
13	WE	2+	380	449	0.82
14	WE	2+	356	432	0.96
15	WE	2+	290	153	0.63
15	WE	2+	373	498	0.96

Table D5 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
19	WE	2+	350	410	0.96
20	WE	2+	360	476	1.02
21	WE	2+	303	209	0.75
25	WE	2+	340	318	0.81
26	WE	2+	273	160	0.79
5	WE	2+	382	402	0.72
6	WE	2+	384	405	0.72
5	WE	3+	360	353	0.76
6	WE	3+	389	538	0.91
7	WE	3+	350	338	0.79
7	WE	3+	375	479	0.91
8	WE	3+	366	399	0.81
8	WE	3+	442	666	0.77
8	WE	3+	383	414	0.74
9	WE	3+	369	395	0.79
9	WE	3+	425	591	0.77
9	WE	3+	420	599	0.81
10	WE	3+	360	430	0.92
11	WE	3+	403	511	0.78
14	WE	3+	392	471	0.78
17	WE	3+	350	370	0.86
18	WE	3+	398	501	0.79
19	WE	3+	320	267	0.81
21	WE	3+	309	226	0.77
28	WE	3+	325	271	0.79
29	WE	3+	315	205	0.66
9815	WE	3+	441	553	0.64
34711	WE	3+	424	622	0.82
34715	WE	3+	390	453	0.76
5	WE	3+			
8	WE	3+	403	512	0.78
10	WE	3+	395	508	0.82
11	WE	3+	389	447	0.76
13	WE	3+	460	878	0.90
15	WE	3+	470	908	0.87
16	WE	3+	435	723	0.88
17	WE	3+	410	620	0.90
18	WE	3+	425	622	0.81
18	WE	3+	422	635	0.84
31	WE	3+	404	573	0.87
32	WE	3+	414	607	0.86
36	WE	3+	408	554	0.82
38	WE	3+	479	965	0.88
39	WE	3+	428	606	0.77
1	WE	3+	451	633	0.69
1	WE	3+	287	163	0.69
1	WE	3+	445	648	0.74
4	WE	3+	474	813	0.76

Table D5 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
4	WE	3 +	410	600	0.87
5	WE	3 +	430	674	0.85
6	WE	3 +	415	650	0.91
9	WE	3 +	388	496	0.85
9	WE	3 +	463	886	0.89
11	WE	3 +	486	943	0.82
12	WE	3 +	409	554	0.81
17	WE	3 +	433	618	0.76
18	WE	3 +	420	566	0.76
18	WE	3 +	400	628	0.98
21	WE	3 +	365	365	0.75
28	WE	3 +	456	700	0.74
1	WE	3 +	407	640	0.94
2	WE	3 +	406	592	0.88
4	WE	3 +	417	520	0.72
7	WE	3 +	415	562	0.79
2	WE	4 +	625	2128	0.87
3	WE	4 +	410	574	0.83
3	WE	4 +	511	1254	0.94
4	WE	4 +	424	625	0.82
4	WE	4 +	492	1208	1.01
5	WE	4 +	464	923	0.92
5	WE	4 +	450	806	0.88
5	WE	4 +	432	759	0.94
6	WE	4 +	448	850	0.95
6	WE	4 +	477	744	0.69
7	WE	4 +	447	873	0.98
7	WE	4 +	487	877	0.76
7	WE	4 +	410	559	0.81
8	WE	4 +	431	623	0.78
8	WE	4 +	414	589	0.83
10	WE	4 +	443	712	0.82
10	WE	4 +	455	854	0.91
13	WE	4 +	410	654	0.95
14	WE	4 +	460	716	0.74
20	WE	4 +	483	981	0.87
34710	WE	4 +	440	695	0.82
34713	WE	4 +	428	609	0.78
34714	WE	4 +	455	733	0.78
34716	WE	4 +	400	458	0.72
1	WE	4 +	470	987	0.95
5	WE	4 +	430	641	0.81
6	WE	4 +	440	925	1.09
6	WE	4 +	425	574	0.75
6	WE	4 +	441	607	0.71
7	WE	4 +	451	733	0.80
8	WE	4 +	477	795	0.73
9	WE	4 +	555	1390	0.81

Table D5 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
10	WE	4 +	461	810	0.83
12	WE	4 +	451	381	0.42
15	WE	4 +	460	840	0.86
16	WE	4 +	532	983	0.65
16	WE	4 +	410	457	0.66
16	WE	4 +	455	694	0.74
17	WE	4 +	422	686	0.91
17	WE	4 +	418	590	0.81
19	WE	4 +	495	1094	0.90
20	WE	4 +	565	1580	0.88
29	WE	4 +	480	925	0.84
30	WE	4 +	447	753	0.84
35	WE	4 +	434	668	0.82
1	WE	4 +	433	537	0.66
7	WE	4 +	429	684	0.87
7	WE	4 +	440	508	0.60
8	WE	4 +	505	1104	0.86
10	WE	4 +	490	927	0.79
10	WE	4 +	447	711	0.80
13	WE	4 +	270	199	1.01
17	WE	4 +	445	743	0.84
18	WE	4 +	465	794	0.79
19	WE	4 +	430	643	0.81
23	WE	4 +	445	688	0.78
24	WE	4 +	490	943	0.80
27	WE	4 +	490	962	0.82
42	WE	4 +	406	503	0.75
52	WE	4 +	443	680	0.78
3	WE	4 +	535	1625	1.06
2	WE	5 +	520	1488	1.06
4	WE	5 +	662	2393	0.82
4	WE	5 +	470	993	0.96
9	WE	5 +	550	1520	0.91
19	WE	5 +	515	1133	0.83
20	WE	5 +	470	756	0.73
8	WE	5 +	463	821	0.83
9	WE	5 +	445	815	0.92
11	WE	5 +	507	1149	0.88
12	WE	5 +	493	1136	0.95
17	WE	5 +	462	808	0.82
34782	WE	5 +	570	1861	1.00
16	WE	5 +	499	1292	1.04
23	WE	5 +	521	1017	0.72
24	WE	5 +	610	1983	0.87
32	WE	5 +	584	1901	0.95
1	WE	6 +	620	2225	0.93
22	WE	6 +	598	1805	0.84
34780	WE	6 +	622	2480	1.03

Table D5 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
1	WE	7 +	864	4295	0.67
y-30950	WE	7 +	665	3730	1.27
20	WE	7 +	536	1640	1.06
y-30953	WE	8 +	770	4476	0.98
10	WE	8 +	724	3995	1.05
17	WE	8 +	715	3561	0.97
y-30952	WE	9 +	765	2611	0.58

Table D6 Age, capture length, weight and condition factor of walleye captured by anglers on Lake Roosevelt in 1990.

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
C6	WE	1+	305	165	0.58
C1	WE	2+	331	283	0.78
C5	WE	2+	362	300	0.63
C9	WE	2+	360	325	0.70
C008	WE	2+	345	215	0.52
C18	WE	3+	472	849	0.81
C418	WE	3+	418	554	0.76
C425	WE	3+	425	636	0.83
c429	WE	3+	429	583	0.74
C409	WE	3+	409	508	0.74
C416	WE	3+	416	494	0.69
C425	WE	3+	425	544	0.71
C430	WE	3+	430	698	0.88
c434	WE	3+	434	572	0.70
c459	WE	3+	459	708	0.73
C385	WE	3+	385	510	0.89
c393	WE	3+	393	519	0.86
C405	WE	3+	405	530	0.80
c414	WE	3+	414	555	0.78
C426	WE	3+	426	596	0.77
C430	WE	3+	430	641	0.81
c435	WE	3+	435	650	0.79
c435	WE	3+	435	695	0.84
C436	WE	3+	436	655	0.79
C465	WE	3+	465	958	0.95
c2	WE	3+	345	280	0.68
c3	WE	3+	398	421	0.67
C4	WE	3+	430	420	0.53
C5	WE	3+	412	379	0.54
C6	WE	3+	382	240	0.43
c7	WE	3+	395	200	0.32
C10	WE	3+	375	334	0.63
C8	WE	3+	376	365	0.69
C9	WE	3+	375	352	0.67
C11	WE	3+	383	402	0.72
C13	WE	3+	355	462	1.03
C14	WE	3+	386	430	0.75
C17	WE	3+	376	402	0.76
c22	WE	3+	384	342	0.60
C23	WE	3+	391	382	0.64
C24	WE	3+	326	321	0.93
C28	WE	3+	288	393	1.65
c29	WE	3+	366	316	0.64
C30	WE	3+	397	500	0.80
c31	WE	3+	349	302	0.71
C32	WE	3+	392	422	0.70

Table D6 continued

Fish Number	Species	Age	Capture Length	Capture Weight	Condition Factor
C4	WE	3 +	403	405	0.62
c7	WE	3 +	416	480	0.67
C8	WE	3 +	419	485	0.66
coo7	WE	3 +	526	526	0.36
c22	WE	4 +	416	682	0.95
C23	WE	4 +	432	594	0.74
C24	WE	4 +	416	511	0.71
C26	WE	4 +	467	762	0.75
C480	WE	4 +	480	852	0.77
C470	WE	4 +	470	864	0.83
C428	WE	4 +	428	630	0.80
c447	WE	4 +	447	770	0.86
C450	WE	4 +	450	789	0.87
C460	WE	4 +	460	868	0.89
Cl	WE	4 +	400	407	0.64
C12	WE	4 +	432	582	0.72
C15	WE	4 +	421	632	0.85
Cl6	WE	4 +	415	585	0.82
Cl8	WE	4 +	395	492	0.80
Cl9	WE	4 +	436	700	0.84
C20	WE	4 +	425	585	0.76
c21	WE	4 +	415	510	0.71
C24	WE	4 +	400	492	0.77
C27	WE	4 +	410	492	0.71
C32	WE	4 +	416	532	0.74
c2	WE	4 +	475	840	0.78
C006	WE	4 +	675		
C25	WE	5 +	490	922	0.78
coo1	WE	5 +	443	630	0.72
c3	WE	5 +	480	880	0.80
coo4	WE	5 +	388		
C894	WE	9 +	894		

Table D7 Age, capture length, scale length and back-calculated lengths for kokanee salmon captured during relative abundance surveys on Lake Roosevelt in May, August, and October 1990.

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+
1	KCX	1+	91	11	70.64	-	
1	KOK	1+	320	52	188.46	-	
9	KOK	1+	335	55	209.55	-	
22	KOK	1+	356	55	210.09	-	
5	KOK	2+	440	62	296.29	420.40	-
6	KOK	2+	382	50	215.44	361.18	-
8	KCX	2+	406	57	256.30	373.46	-
10	KOK	2+	405	66	236.82	348.94	-
1	KOK	2+	447	66	159.85	353.36	-
2	KOK	2+	460	68	153.75	347.50	-
4	KOK	2+	440	54	155.00	335.00	-
8	kok	2+	334	56	184.50	248.57	-
8	KOK	2+	340	38	155.39	211.58	-
9	KOK	2+	316	50	124.92	181.12	-
20	KOK	2+	387	67	113.81	276.67	-
21	KOK	2+	384	59	105.98	301.19	-
23	KCX	2+	296	47	162.72	234.91	-
45	KOK	2+	491	70	223.91	393.29	-
1	KOK	3+	350	56	91.25	209.38	316.25
4	KOK	3+	411	57	232.89	331.84	391.21
7	KCX	3+	465	58	190.69	331.55	435.34
9	KOK	3+	515	63	225.48	415.95	492.14
3	KOK	3+	510	58	133.28	313.45	444.48
23	KOK	3+	500	73	175.14	315.27	417.19
12	KOK	3+	410	60	122.50	285.00	372.50
13	KOK	3+	482	57	105.58	270.26	489.84
14	KOK	3+	440	64	104.61	250.16	357.73

Table D8 Age, capture length, scale length and back-calculated lengths for kokanee salmon collected during creel surveys on Lake Roosevelt in 1990.

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+
1	KOK	1 +	280	32	149.84		
C432	KCX	2 +	432	66	167.33	371.85	
c349	KOK	2 +	349	45	174.56	328.07	
C361	KOK	2 +	361	42	182.48	337.71	
c377	KCX	2 +	377	45	202.20	339.00	
C381	KOK	2 +	381	62	202.42	364.26	
c391	KOK	2 +	391	32	235.25	368.75	
c399	KOK	2 +	399	54	196.78	372.04	
C406	KOK	2 +	406	44	212.07	372.27	
C410	KOK	2 +	410	52	251.35	366.73	
C321	KOK	2 +	321	44	184.50	295.00	
C346	KOK	2 +	346	59	193.14	324.92	
C360	KOK	2 +	355	47	171.17	314.15	
C370	KOK	2 +	370	46	173.37	340.87	
C406	KOK	2 +	406	54	199.89	378.52	
C428	KOK	2 +	428	66	249.36	386.32	
c429	KOK	2 +	429	52	262.31	398.69	
c341	KOK	2 +	341	39	207.62	317.46	
C361	KOK	2 +	361	46	183.83	332.65	
C370	KOK	2 +	370	51	172.94	317.45	
C370	KOK	2 +	370	57	246.58	334.74	
C380	KOK	2 +	380	47	196.49	335.96	
c391	KOK	2 +	391	35	228.26	350.31	
c392	KOK	2 +	392	50	206.36	356.30	
c399	KOK	2 +	399	54	264.19	372.04	
C401	KOK	2 +	401	56	178.79	361.79	
C428	KOK	2 +	428	55	199.35	370.84	
C450	KOK	2 +	450	60	318.58	429.25	
C450	KOK	2 +	450	55	336.82	427.36	
c45	KOK	2 +	451	70	243.00	409.40	
c475	KOK	2 +	475	60	203.67	409.00	
C325	KOK	2 +	325	38	180.00	302.11	
c371	KOK	2 +	371	59	154.59	336.83	
C387	KOK	2 +	387	47	252.19	364.53	
c392	KOK	2 +	392	55	223.24	366.04	
c399	KCX	2 +	399	54	196.78	372.04	
C325	KCK	2 +	325	49	218.47	319.08	
c339	KOK	2 +	339	58	181.76	318.03	
C356	KOK	2 +	356	55	204.25	338.49	
c359	KOK	2 +	359	50	197.00	339.56	
C362	KOK	2 +	362	51	253.00	342.76	
C365	KOK	2 +	365	60	183.50	337.50	
C367	KOK	2 +	367	53	260.51	348.21	

Table D8 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+
C368	KCX	2+	368	52	188.69	355.19	-
C368	KOK	2+	368	54	220.00	331.00	-
c371	KOK	2+	371	40	211.40	337.40	-
c371	KOK	2+	371	43	222.53	339.74	-
C372	KOK	2+	372	48	252.65	357.96	-
c375	KOK	2+	375	57	255.70	351.14	-
C381	KOK	2+	381	43	228.12	356.86	-
C386	KOK	2+	386	51	241.47	372.24	-
C389	KOK	2+	389	52	191.58	334.54	-
c391	KOK	2+	391	61	262.61	373.49	-
c399	KOK	2+	399	42	243.00	364.33	-
C406	KCX	2+	406	56	253.63	372.88	-
C406	KOK	2+	406	63	211.67	341.22	-
C409	KOK	2+	409	54	242.78	367.44	-
c414	KOK	2+	414	55	248.62	379.55	-
C416	KOK	2+	416	58	232.07	402.86	-
C416	KOK	2+	416	59	280.39	396.63	-
C421	KOK	2+	421	56	255.57	400.32	-
C421	KOK	2+	421	53	224.36	362.74	-
C421	KOK	2+	421	73	235.93	373.41	-
C422	KOK	2+	422	61	250.70	390.28	-
C425	KOK	2+	425	59	246.53	391.95	-
C446	KOK	2+	446	54	278.56	392.72	-
C529	KOK	2+	529	65	187.00	483.40	-
c351	KOK	2+	351	57	190.23	306.65	-
C368	KOK	2+	368	47	183.79	325.49	-
c392	KCK	2+	392	63	210.67	346.67	-
C400	KOK	2+	400	62	235.16	364.68	-
JP2	KCX	2+	391	53	182.77	364.13	-
JP3	KOK	2+	361	43	186.63	338.26	-
JP8	KOK	2+	340	45	143.44	319.67	-
JP4	KOK	2+	402	61	185.41	383.95	-
JP7	KOK	2+	380	53	178.21	360.47	-
JP10	KOK	2+	381	52	174.73	341.08	-
JP13	KOK	2+	421	50	204.84	382.40	-
JP1	KCX	2+	389	57	165.42	351.74	-
JP2	KOK	2+	352	32	183.59	332.19	-
JP4	KOK	2+	369	47	177.13	354.79	-
JP6	KOK	2+	408	45	192.49	366.56	-
JP12	KOK	2+	359	50	151.64	326.60	-
JP14	KOK	2+	419	49	215.24	364.14	-
c319	KOK	2+	319	63	170.24	300.97	-
C352	KOK	2+	352	56	199.16	318.04	-
C381	KOK	2+	381	58	178.17	333.28	-
C382	KOK	2+	382	51	177.88	354.78	-
C401	KOK	2+	401	65	192.66	361.58	-
JP21	KOK	2+	315	42	168.33	301.67	-
JP22	KOK	2+	391	40	204.10	373.20	-

Table D8 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+
P18	KOK	2+	400	51	156.67	371.37	
JP19	KOK	2+	361	50	139.32	341.44	
JP20	KOK	2+	391	50	170.28	376.76	
5336	KOK	2+	336	56	164.00	309.13	
C341	KOK	2+	341	49	159.90	316.02	
C346	KOK	2+	346	52	148.63	310.12	
C351	KOK	2+	351	50	174.04	332.04	
C354	KOK	2+	354	55	185.80	319.20	
C361	KOK	2+	361	60	198.00	339.27	
C364	KOK	2+	364	43	195.67	302.79	
c371	KOK	2+	371	51	193.12	344.65	
C380	KOK	2+	380	56	189.02	324.55	
C381	KCX	2+	381	62	185.68	330.77	
C382	KCX	2+	382	60	162.23	335.73	
C386	KOK	2+	386	56	216.77	348.39	
c391	KOK	2+	391	56	193.93	352.86	
c399	KOK	2+	399	48	217.00	368.67	
C401	KOK	2+	401	60	236.30	364.40	
c413	KOK	2+	413	57	267.11	393.11	
JP24	KOK	2+	381	51	191.04	333.51	
C369	KOK	2+	369	52	163.46	330.46	
C389	KOK	2+	389	49	179.49	338.43	
C342	KOK	2+	342	52	188.50	318.38	
JP1	KOK	2+	337	59	132.25	316.53	
JP2	KCX	2+	396	56	228.39	363.77	
JP3	KOK	2+	383	44	185.27	367.18	
JP4	KOK	2+	353	61	180.97	332.15	
JP5	KOK	2+	381	63	166.81	353.54	
1	KOK	2+	356	41	81.98	160.27	
cool	KOK	2+	511	45	119.62	384.07	
3	KOK	2+	320	44	106.25	158.07	
2	KOK	2+	310	30	108.33	209.17	
5	KOK	2+	350	52	95.58	210.67	
6	KOK	2+	335	54	112.78	185.00	
7	KCX	2+	330	55	190.55	249.55	
C482	KOK	3+	482	73	132.97	377.90	451.38
C506	KOK	3+	506	74	187.76	391.43	493.27
C421	KOK	3+	421	60	176.53	273.03	388.83
C430	KOK	3+	430	64	158.44	257.19	399.14
JP1	KOK	3+	421	49	184.67	263.45	389.49
JP6	KCX	3+	421	54	163.67	270.89	399.56
JP5	KOK	3+	510	55	138.64	345.91	458.18
JP9	KOK	3+	442	65	160.23	266.68	410.69
JP15	KOK	3+	441	58	175.00	280.00	392.00
JP16	KOK	3+	521	76	156.50	354.74	495.42
JPF3	KOK	3+	419	57	122.58	250.58	378.58
JP5	KOK	3+	451	63	160.46	226.49	391.57
JP11	KOK	3+	402	63	134.03	238.89	372.87

Table D8 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+
JP17	KOK	3+	402	53	125.02	256.58	381.23
c411	KOK	3+	411	63	154.37	231.95	369.22
c419	KOK	3+	419	55	167.65	286.35	349.18
JP23	KOK	3+	378	54	149.33	250.96	352.59
c391	KOK	3+	391	66	137.48	245.36	326.27
1	KCX	3+	457	66	111.73	182.06	354.70
3	KOK	3+	485	70	163.57	343.57	472.14
4	KOK	3+	483	57	145.04	231.49	372.96

Table D9 Age, capture length, scale length and back-calculated lengths for rainbow trout captured during relative abundance surveys on Lake Roosevelt in May, August, and October 1990.

Fish Number	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C.+ 4	B.C. 5+
1	RBT	o+	228	26	-					
3	RBT	o+	68	9	-					
13	RBT	o+	250	34	-					
14	RBT	o+	115	14	-					
18	RBT	o+	255	34	-					
21	RBT	o+	126	12	-					
27	RBT	o+	160	19	-					
28	RBT	o+	112	17	-					
30	RBT	o+	135	16	-					
35	RBT	o+	149	18	-					
1	RBT	o+	305	43	-					
1	RBT	o+	214	30	-					
4	RBT	o+	300	39	-					
5	RBT	o+	138	20	-					
5	RBT	o+	334	48	-					
5	RBT	o+	298	38	-					
6	RBT	o+	135	19	-					
6	RBT	o+	330	52	-					
6	RBT	o+	331	52	-					
7	RBT	o+	330	49	-					
10	RBT	o+	223	24	-					
10	RBT	o+	340	45	-					
10	RBT	o+	330	46	-					
11	RBT	o+	310	45	-					
11	RBT	o+	337	55	-					
12	RBT	o+	312	40	-					
13	RBT	o+	173	21	-					
13	RBT	o+	305	42	-					

Table D9 continued

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Fish Number	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C.+ 4	B.C. 5+
14	RBT	0+	304	52	-					
14	RBT	0+	305	39			.	.	.	.
15	RBT	0+	216	31	-		.	.	.	.
15	RBT	0+	333	49	-		.	.	.	.
20	RBT	0+	322	43	-		.	.	.	.
21	RBT	0+	292	42			.	.	.	.
22	RBT	0+	189	20	-		.	.	.	.
22	RBT	0+	291	40	-		.	.	.	.
22	RBT	0+	287	38			.	.	.	.
25	RBT	0+	320	46			.	.	.	.
27	RBT	0+	303	35			.	.	.	.
32	RBT	0+	330	34			.	.	.	.
33	RBT	0+	305	44			.	.	.	.
34	RBT	0+	312	42			.	.	.	.
37	RBT	0+	266	40			.	.	.	.
21	RBT	0+	213	29			.	.	.	.
22	RBT	0+	198	25			.	.	.	.
22	RBT	0+	110	15	-		.	.	.	.
23	RBT	0+	177	24	-		.	.	.	.
24	RBT	0+	133	18	-		.	.	.	.
24	RBT	0+	312	39	-		.	.	.	.
28	RBT	0+	334	54			.	.	.	.
1	RBT	1+	230	28	183		.	.	.	.
1	RBT	1+	315	36	294		.	.	.	.
1	RBT	1+	191	25	161		.	.	.	.
2	RBT	1+	275	42	220		.	.	.	.
2	RBT	1+	115	13	85		.	.	.	.
2	RBT	1+	292	46	272		.	.	.	.
2	RBT	1+	160	21	147		.	.	.	.
	RBT		165	22	152					

Table D9 continued

Fish Number	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C.+ 4	B.C. 5+
3	RBT	1+	200	22	121	-				
3	RBT	1+	212	28	160	-	-	-	-	-
3	RBT	1+	280	38	263	-	-	-	-	-
3	RBT	1+	234	30	223	-	-	-	-	-
4	RBT	1+	175	15	153	-	-	-	-	-
4	RBT	1+	212	26	190	-	-	-	-	-
4	RBT	1+	250	34	239	-	-	-	-	-
5	RBT	1+	155	13	135	-	-	-	-	-
5	RBT	1+	225	34	206	-	-	-	-	-
5	RBT	1+	255	35	239	-	-	-	-	-
6	RBT	1+	90	9	85	-	-	-	-	-
6	RBT	1+	120	11	96	-	-	-	-	-
7	RBT	1+	92	8	86	-	-	-	-	-
12	RBT	1+	165	18	116	-	-	-	-	-
14	RBT	1+	120	15	106	-	-	-	-	-
15	RBT	1+	303	45	282	-	-	-	-	-
16	RBT	1+	280	35	256	-	-	-	-	-
17	RBT	1+	370	50	328	-	-	-	-	-
17	RBT	1+	270	35	258	-	-	-	-	-
31	RBT	1+	144	21	122	-	-	-	-	-
32	RBT	1+	198	22	168	-	-	-	-	-
33	RBT	1+	203	25	154	-	-	-	-	-
37	RBT	1+	348	42	328	-	-	-	-	-
1	RBT	1+	209	28	112	-	-	-	-	-
1	RBT	1+	130	15	92	-	-	-	-	-
2	RBT	1+	144	27	92	-	-	-	-	-
2	RBT	1+	320	55	232	-	-	-	-	-
3	RBT	1+	155	20	102	-	-	-	-	-
3	RBT	1+	324	52	250	-	-	-	-	-
	RBT		183	29	103					

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Table D9 continued

Fish Number	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C.+ 4	B.C. 5+
7	RBT	1+	414	57	219	.				
7	RBT	1+	436	60	350		-	-		
14	RBT	1+	447	73	364		-	-	-	-
16	RBT	1+	149	17	105		-	-	-	-
18	RBT	1+	409	55	297		-	-	-	-
1	RBT	1+	141	16	104		-	-	-	-
1	RBT	1+	413	66	214		-	-	-	-
2	RBT	1+	136	15	90		-	-	-	-
2	RBT	1+	385	47	324		-	-	-	-
2	RBT	1+	390	60	331		-	-	-	-
3	RBT	1+	185	24	106		-	-	-	-
3	RBT	1+	361	64	320		-	-	-	-
4	RBT	1+	383	71	334		-	-	-	-
4	RBT	1+	347	43	314		-	-	-	-
5	RBT	1+	385	65	321		-	-	-	-
5	RBT	1+	328	48	306		-	-	-	-
6	RBT	1+	430	60	279		-	-	-	-
7	RBT	1+	365	53	314		-	-	-	-
7	RBT	1+	110	15	98		-	-	-	-
7	RBT	1+	443	56	335		-	-	-	-
8	RBT	1+	385	62	339		-	-	-	-
9	RBT	1+	378	54	332		-	-	-	-
10	RBT	1+	368	60	308		-	-	-	-
10	RBT	1+	423	60	352		-	-	-	-
10	RBT	1+	380	52	326		-	-	-	-
10	RBT	1+	470	72	436		-	-	-	-
11	RBT	1+	405	45	337		-	-	-	-
11	RBT	1+	382	62	341		-	-	-	-
11	RBT	1+	360	48	317		-	-		
12	RBT		384	55	332	-				

Table D9 continued

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Fish Number	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C.+ 4	B.C. 5+
13	RBT	1+	368	58	321	-				
14	RBT	1+	325	46	241					
14	RBT	1+	365	48	315	-				
14	RBT	1+	346	39	310	-				
15	RBT	1+	235	30	145					
15	RBT	1+	445	62	408					
15	RBT	1+	315	44	236					
17	RBT	1+	386	55	334	-				
17	RBT	1+	339	62	286	-				
18	RBT	1+	355	53	317					
19	RBT	1+	443	57	397	-				
19	RBT	1+	332	54	288					
19	RBT	1+	355	54	307					
20	RBT	1+	420	62	386					
20	RBT	1+	315	49	254	-				
21	RBT	1+	456	62	255	-				
22	RBT	1+	394	60	329					
25	RBT	1+	126	18	96					
8	RBT	2+	230	29	117	174				
11	RBT	2+	335	58	229	316				
16	RBT	2+	425	74	260	391				
18	RBT	2+	246	30	156	222				
20	RBT	2+	235	29	130	189				
42	RBT	2+	413	66	329	387				
43	RBT	2+	443	65	316	414				
44	RBT	2+	492	80	332	460				
45	RBT	2+	558	72	422	538				
2	RBT	2+	225	35	116	198				
3	RBT	2+	177	24	108	159				
4	RBT	2+	180	21	104	148				

Table D9 continued

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Fish Number	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C.+ 4	B.C. 5+
4	RBT	2+	170	19	105	148			-	-
12	RBT	2+	210	32	107	174			-	-
16	RBT	2+	335	46	119	183	-			
17	RBT	2+	160	23	111	144	-		-	-
17	RBT	2+	417	67	223	328			-	-
19	RBT	2+	193	27	113	151			-	-
24	RBT	2+	375	43	138	260			-	-
28	RBT	2+	314	47	114	182			-	-
30	RBT	2+	543	90	220	437			-	-
3	RBT	2+	335	37	161	342			-	-
13	RBT	2+	361	50	120	243			-	-
16	RBT	2+	263	40	111	160			-	-
18	RBT	2+	530	70	365	464			-	-
24	RBT	2+	457	74	225	357			-	-
25	RBT	2+	460	56	221	348			-	-
25	RBT	2+	469	73	320	403			-	-
29	RBT	2+	347	57	135	204			-	-
1	RBT	3+	485	92	358	430	471		-	-
9	RBT	3+	385	54	102	185	338		-	-
15	RBT	3+	405	62	121	170	378		-	-
17	RBT	3+	262	32	115	177	250		-	-
25	RBT	3+	452	66	236	382	440		-	-
34	RBT	3+	325	45	107	176	308		-	-
36	RBT	3+	342	54	128	199	317		-	-
1	RBT	3+	370	45	107	168	215	-	-	-
2	RBT	3+	338	47	119	194	258		-	-
26	RBT	3+	410	67	123	184	307		-	-
31	RBT	3+	321	47	126	175	251	-	-	-
3	RBT	3+	322	57	102	143	282	-	-	-
12	RBT	3+	419	60	149	219	360	-	-	-

Table D9 continued

Fish Number	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C.+ 4	B.C. 5+
13	RBT	3+	502	71	140	392	459	-		
16	RBT	3+	471	65	116	172	365		-	-
21	RBT	3+	350	69	108	165	313	-	-	-
22	RBT	3+	330	58	103	162	294		-	-
24	RBT	3+	361	48	128	177	318			
30	RBT	3+	309	50	96	134	261			
39401	RBT	3+	336	60	129	170	291		-	-
3	RBT	4+	460	61	138	189	350	428	-	-
10	RBT	4+	505	82	120	200	366	484		
12	RBT	4+	345	53	114	151	214	324		
12	RBT	4+	480	63	145	231	375	454		
12	RBT	4+	415	71	130	199	263	351	-	-
15	RBT	4+	492	85	152	287	437	467		
29	RBT	4+	461	72	116	176	357	428		
20	RBT	4+	459	67	113	178	313	424		
1	RBT	5+	485	89	161	231	372	443	471	
13	RBT	5+	534	80	102	160	324	429	511	-
15	RBT	5+	437	62	138	192	335	389	425	-
18	RBT	5+	455	68	118	158	261	346	438	-
24	RBT	5+	425	69	124	170	269	363	404	-
26	RBT	5+	398	64	113	165	217	310	377	-
39	RBT	5+	426	57	117	142	306	376	407	-
41	RBT	5+	414	65	120	157	286	345	403	-
X	RBT	5+	405	133	130	173	245	346	397	-
34938	RBT	5+	550	95	128	173	311	423	519	-
13	RBT	6+	465	62	131	189	279	324	407	452
16	RBT	6+	480	88	114	151	212	273	395	461
46	RBT	6+	535	78	127	175	277	403	457	505

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Table D10 Age, capture length, scale length and back-calculated lengths for rainbow trout collected during creel surveys on Lake Roosevelt in 1990.

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Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
19	RBT	0+	232	22	-				
1	RBT	0+	290	37	-				
2	RBT	0+	280	35	-				
4	RBT	0+	320	29	-				
6	RBT	0+	385	33	-				
1	RBT	0+	295	29	-				
2	RBT	0+	280	36	-				
39373	RBT	0+	280	36	-				
260	RBT	0+	260	34	-				
270	RBT	0+	270	32	-				
280	RBT	0+	280	34	-				
39480	RBT	0+	280	36	-				
C270	RBT	0+	270	32	-				
C280	RBT	0+	280	31	-				
1	RBT	0+	285	31	-				
6	RBT	0+	329	46	-				
RP10	RBT	0+	270	29	-				
RP2	RBT	0+	300	33	-				
RP3	RBT	0+	310	39	-				
RP4	RBT	0+	320	38	-				
RP6	RBT	0+	285	31	-				
RP7	RBT	0+	310	30	-				
RP8	RBT	0+	305	35	-				
RP9	RBT	0+	270	31	-				
RP300	RBT	0+	300	36	-				
C300	RBT	0+	300	34	-				
RP285	RBT	0+	285	30	-				
RP295	RBT	0+	295	31	-				

Table D10 continued

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Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
RP300	RBT	0+	300	39	-				
RP300	RBT	0+	300	33	-				
RP305	RBT	0+	305	29	-				
RP305	RBT	0+	305	36	-				
RP306	RBT	0+	306	36	-				
RP315	RBT	0+	315	34	-				
RP320	RBT	0+	320	36	-				
RP310	RBT	0+	310	37	-				
RP310	RBT	0+	310	34	-				
RP315	RBT	0+	315	31	-				
19422	RBT	0+	300	43	-				
18890	RBT	0+	325	34	-				
273	RBT	0+	273	29	-				
3	RBT	0+	334	38	-				
4	RBT	0+	362	47	-				
5	RBT	0+	364	49	-				
COO5	RBT	0+	195	31	-				
C1	RBT	1+	310	44	304				
c2	RBT	1+	285	37	285				
C3									
C33	RBT RBT	1+	310 272	38 34	310 272				
c34	RBT	1+	262	37	262				
c35	RBT	1+	260	33	260				
C36	RBT	1+	271	39	271				
c37	RBT	1+	250	29	250				
C38	RBT	1+	276	38	276				
c39	RBT	1+	223	38	223				
c41	RBT	1+	301	38	301				
c43	RBT	1+	286	39	286				
c44	RBT	1+	253	34	248				

Table D10 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
c45	RBT	1 +	276	35	276				
c47	RBT	1 +	247	29	247	-	-	-	
C48	RBT	1 +	286	32	286	-	-	-	
c49	RBT	1 +	271	34	271	-	-	-	
C50	RBT	1 +	265	36	265	-	-	-	
c51	RBT	1 +	285	35	285	-	-	-	
C52	RBT	1 +	285	39	279	-	-	-	
c53	RBT	1 +	335	42	329	-	-	-	
c54	RBT	1 +	273	34	273	-	-	-	
C55	RBT	1 +	281	33	275	-	-	-	
C56	RBT	1 +	280	36	274	-	-	-	
c57	RBT	1 +	293	38	293	-	-	-	
c59	RBT	1 +	266	33	256	-	-	-	
C60	RBT	1 +	312	45	307	-	-	-	
C61	RBT	1 +	320	46	320	-	-	-	
C63	RBT	1 +	316	39	310	-	-	-	
C64	RBT	1 +	232	35	232	-	-	-	
C65	RBT	1 +	308	32	301	-	-	-	
c313	RBT	1 +	313	39	313	-	-	-	
C321	RBT	1 +	321	44	321	-	-	-	
C1	RBT	1 +	261	31	255	-	-	-	
C10	RBT	1 +	333	42	327	-	-	-	
C11	RBT	1 +	333	50	333	-	-	-	
c2	RBT	1 +	264	33	258	-	-	-	
c3	RBT	1 +	257	30	257	-	-	-	
C4	RBT	1 +	290	36	290	-	-	-	
C5	RBT	1 +	285	36	279	-	-	-	
C6	RBT	1 +	254	31	254	-	-	-	
c7	RBT	1 +	307	41	301	-	-	-	
C8	RBT	1 +	280	22	280				

Table D10 continued

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Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
C9	RBT	1+	298	31	291				
C12	RBT	1+	271	34	265	-	-	-	
C13	RBT	1+	277	37	277	-	-	-	
C270	RBT	1+	270	38	270				
C269	RBT	1+	269	37	269	-	-	-	
C281	RBT	1+	281	50	281	-	-	-	
c292	RBT	1+	292	29	292	-	-	-	
C312	RBT	1+	312	43	312				
C326	RBT	1+	326	36	326	-	-	-	
C14	RBT	1+	281	44	276	-	-	-	
C15	RBT	1+	328	45	322	-	-	-	
C16	RBT	1+	382	44	375	-	-	-	
C17	RBT	1+	300	37	294	-	-	-	
C19	RBT	1+	315	50	310	-	-	-	
C20	RBT	1+	282	29	275	-	-	-	
c21	RBT	1+	270	37	270	-	-	-	
C1	RBT	1+	305	37	305	-	-	-	
C206	RBT	1+	206	43	203	-	-	-	
C218	RBT	1+	218	35	166	-	-	-	
C251	RBT	1+	251	35	246	-	-	-	
C281	RBT	1+	281	36	281	-	-	-	
C286	RBT	1+	286	40	281	-	-	-	
C290	RBT	1+	290	42	285	-	-	-	
C290	RBT	1+	290	36	284	-	-	-	
c292	RBT	1+	292	36	286	-	-	-	
C296	RBT	1+	296	34	296	-	-	-	
C300	RBT	1+	300	43	300	-	-		
C302	RBT	1+	302	41	296	-	-		
C308	RBT	1+	308	36	308	-	-		
C310	RBT	1+	310	40	304				

Table D10 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
C332	RBT	1+	332	38	227				
C356	RBT	1+	356	44	323	-	-		
C321	RBT	1+	321	45	315				
c22	RBT	1+	315	37	308				
C23	RBT	1+	304	37	298				-
C24	RBT	1+	280	33	280				
C25	RBT	1+	292	46	292				
C26	RBT	1+	296	39	290	-			
C27	RBT	1+	252	33	252				
C28	RBT	1+	287	38	281				
c29	RBT	1+	313	37	306				
C30	RBT	1+	290	39	284				
c31	RBT	1+	302	40	302				
C32	RBT	1+	296	39	290				
C1	RBT	1+	262	34	262				
c2	RBT	1+	260	32	260				
c3	RBT	1+	271	32	265				
C4	RBT	1+	305	46	300				-
C5	RBT	1+	310	39	310				
C6	RBT	1+	310	47	304.82				
c7	RBT	1+	307	43	301.41		-	-	
C11	RBT	1+	271	35	241.8				
C12	RBT	1+	291	35	220.47				
C8	RBT	1+	276	32	269.46		-		
C9	RBT	1+	280	41	274.8				-
?	RBT	1+	309	45	303.61				
C13	RBT	1+	282	40	276.62				
C14	RBT	1+	275	34	275				
C15	RBT	1+	285	36	278.93				
C16	RBT		282	38	276.33				

Table D10 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
C17	RBT	1+	288	38	288				
C18	RBT	1+	302	39	295.96	-	-	-	-
C19	RBT	1+	287	37	287	-	-	-	-
C20	RBT	1+	271	38	271	-	-	-	-
C21	RBT	1+	315	43	315	-	-	-	-
c21	RBT	1+	315	37	268.01	-	-	-	-
C27	RBT	1+	282	31	261.15	-	-	-	-
c251	RBT	1+	251	33	234.24	-	-	-	-
C273	RBT	1+	273	30	266.12	-	-	-	-
C278	RBT	1+	278	34	253.13	-	-	-	-
C300	RBT	1+	300	36	261.1	-	-	-	-
c312	RBT	1+	312	41	300.03	-	-	-	-
C6	RBT	1+	260	35	260	-	-	-	-
C270	RBT	1+	270	34	264.02	-	-	-	-
C270	RBT	1+	270	37	264.5	-	-	-	-
C272	RBT	1+	272	33	265.78	-	-	-	-
C273	RBT	1+	273	34	266.93	-	-	-	-
C282	RBT	1+	282	33	275.47	-	-	-	-
C285	RBT	1+	285	35	285	-	-	-	-
C285	RBT	1+	285	38	285	-	-	-	-
C285	RBT	1+	285	35	278.76	-	-	-	-
C290	RBT	1+	290	36	283.79	-	-	-	-
c295	RBT	1+	295	35	295	-	-	-	-
c295	RBT	1+	295	22	295	-	-	-	-
c295	RBT	1+	295	33	288.08	-	-	-	-
C300	RBT	1+	300	38	293.86	-	-	-	-
C300	RBT	1+	300	32	300	-	-	-	-
C300	RBT	1+	300	41	294.31	-	-	-	-
C305	RBT	1+	305	40	299.04	-	-	-	-
C305	RBT		305	43	299.46				

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Table D10 continued

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Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
C305	RBT	1+	305	31	297.31				
C310	RBT	1+	310	35	303.05	-	-	-	-
C310	RBT	1+	310	34	310	-	-	-	-
C310	RBT	1+	310	40	310	-	-	-	-
C311	RBT	1+	311	40	304.89	-	-	-	-
C311	RBT	1+	311	42	305.18	-	-	-	-
C312	RBT	1+	312	52	307.28	-	-	-	-
c313	RBT	1+	313	34	305.75	-	-	-	-
c315	RBT	1+	315	43	309.22	-	-	-	-
c317	RBT	1+	317	47	311.67	-	-	-	-
C342	RBT	1+	342	43	342	-	-	-	-
C310	RBT	1+	310	45	310	-	-	-	-
c7	RBT	1+	308	46	302.75	-	-	-	-
C10	RBT	1+	277	43	272.11	-	-	-	-
C11	RBT	1+	296	36	289.63	-	-	-	-
C13	RBT	1+	285	34	278.58	-	-	-	-
C14	RBT	1+	272	41	307.07	-	-	-	-
C15	RBT	1+	315	40	302.58	-	-	-	-
C8	RBT	1+	326	45	308.71	-	-	-	-
C9	RBT	1+	309	45	298.23	-	-	-	-
C16	RBT	1+	288	37	270.05	-	-	-	-
C17	RBT	1+	286	36	273.81	-	-	-	-
C18	RBT	1+	295	42	284.12	-	-	-	-
C19	RBT	1+	301	43	290.1	-	-	-	-
C20	RBT	1+	282	40	271.23	-	-	-	-
c21	RBT	1+	271	39	260.52	-	-	-	-
c22	RBT	1+	295	42	278.69	-	-	-	-
C23	RBT	1+	303	40	291.18	-	-	-	-
C24	RBT	1+	316	41	303.83	-	-	-	-
C25	RBT		295	38	288.99				

Table D10 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
C26	RBT	1+	251	29	244.64				
C27	RBT	1+	275	43	260.46	-	-	-	-
C28	RBT	1+	289	34	282.46	-	-	-	-
c29	RBT	1+	286	30	278.69	-	-	-	-
C30	RBT	1+	303	44	292.25	-	-	-	-
c31	RBT	1+	290	32	276.04	-	-	-	-
C32	RBT	1+	290	33	283.23	-	-	-	-
c33	RBT	1+	300	40	288.33	-	-	-	-
c34	RBT	1+	262	36	251.14	-	-	-	-
c35	RBT	1+	244	65	235.81	-	-	-	-
C36	RBT	1+	335	44	322.8	-	-	-	-
C321	RBT	1+	321	50	305.74	-	-	-	-
C320	RBT	1+	320	40	377.02	-	-	-	-
C330	RBT	1+	330	45	324.15	-	-	-	-
C281	RBT	1+	281	42	270.79	-	-	-	-
C312	RBT	1+	312	43	289.17	-	-	-	-
c341	RBT	1+	341	55	336.01	-	-	-	-
c299	RBT	1+	299	45	293.84	-	-	-	-
C300	RBT	1+	300	40	294.17	-	-	-	-
C309	RBT	1+	309	39	302.78	-	-	-	-
C320	RBT	1+	320	31	311.83	-	-	-	-
C328	RBT	1+	328	38	321.12	-	-	-	-
C289	RBT	1+	289	37	282.99	-	-	-	-
c292	RBT	1+	292	43	276.27	-	-	-	-
C305	RBT	1+	305	31	289.62	-	-	-	-
C306	RBT	1+	306	42	294.6	-	-	-	-
c315	RBT	1+	315	40	308.79	-	-	-	-
C321	RBT	1+	321	55	316.37	-	-	-	-
C321	RBT	1+	321	40	314.64	-	-	-	-
C340	RBT		340	40	333.17				

Table D10 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
c341	RBT	1+	341	40	334.14	-			
C296	RBT	1+	296	35	289.45				
C296	RBT	1+	296	45	290.9				
C301	RBT	1+	301	39	294.99				
C312	RBT	1+	312	47	306.78				
C321	RBT	1+	321	39	314.48				
C350	RBT	1+	350	40	342.92				
c371	RBT	1+	378	52	342.07				
c339	RBT	1+	339	51	322.98				
C402	RBT	1+	402	60	334.92				
c299	RBT	1+	299	42	287.93				
c319	RBT	1+	319	50	308.9				
c299	RBT	1+	299	42	282.4				
C318	RBT	1+	318	42	306.03				
C332	RBT	1+	332	41	319.05				
c391	RBT	1+	391	51	359.2				
3	RBT	1+	264	29	236.77				
RP7	RBT	1+	340	52	308.45				
RP310	RBT	1+	310	48	259.29				
55219	RBT	1+	400	44	309.07				
RP365	RBT	1+	365	46	319.59				
410	RBT	1+	410	54	365.49				
6	RBT	1+	352	51	324.02				
342	RBT	1+	342	50	308.95				
390	RBT	1+	370	58	333.38				
2	RBT	1+	375	56	336.45				
3	RBT	1+	353	57	322.85				
4	RBT	1+	375	59	348.86				
5	RBT	1+	373	51	342.96				

Table D10 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
6	RBT	1+	365	63	331.84				
7	RBT	1+	383	65	353.79	-	-	-	-
320	RBT	1+	320	44	296.96	-	-	-	-
2	RBT	1+	350	48	326.38	-	-	-	-
coo3	RBT	1+	305	38	248.54	-	-	-	-
343	RBT	1+	343	47	301.83	-	-	-	-
359	RBT	1+	359	48	310.27	-	-	-	-
360	RBT	1+	360	51	313.98	-	-	-	-
364	RBT	1+	364	47	313.38	-	-	-	-
365	RBT	1+	365	51	312.34	-	-	-	-
366	RBT	1+	366	49	317.12	-	-	-	-
370	RBT	1+	370	61	330.21	-	-	-	-
371	RBT	1+	371	54	320.27	-	-	-	-
372	RBT	1+	372	60	316.01	-	-	-	-
375	RBT	1+	375	58	337.78	-	-	-	-
386	RBT	1+	386	63	325.16	-	-	-	-
390	RBT	1+	390	49	330.6	-	-	-	-
380	RBT	1+	380	50	329.86	-	-	-	-
383	RBT	1+	383	57	344.14	-	-	-	-
386	RBT	1+	386	56	328.96	-	-	-	-
400	RBT	1+	400	53	343.38	-	-	-	-
360	RBT	1+	360	48	311.1	-	-	-	-
380	RBT	1+	380	49	322.44	-	-	-	-
389	RBT	1+	389	53	322.09	-	-	-	-
390	RBT	1+	390	55	337.08	-	-	-	-
390	RBT	1+	390	56	314.93	-	-	-	-
391	RBT	1+	391	52	353.57	-	-	-	-
392	RBT	1+	392	49	365.44	-	-	-	-
392	RBT	1+	392	53	361.3	-	-	-	-
401	RBT	1+	401	60	339.69				

Table D10 continued

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Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
402	RBT	1+	402	59	350.84			-	-
444	RBT	1+	444	70	384.69			-	-
8	RBT	1+	393	75	284.2		-	-	-
420	RBT	1+	420	52	365.63			-	-
401	RBT	1+	401	56	347.26			-	-
c392	RBT	1+	392	51	360.1			-	-
C390	RBT	2+	390	53	237.45	371.69		-	-
C372	RBT	2+	372	61	251.84	366.99			
JP1	RBT	2+	410	60	146.73	381.38		-	-
C193	RBT	2+	193	25	112.1	182.89		-	-
c345	RBT	2+	345	47	119.91	327.23		-	-
21	RBT	2+	198	25	129.67	182.23		-	-
4	RBT	2+	310	39	135.25	253.83	-	-	-
505	RBT	2+	505	66	332.3	405.36		-	-
C483	RBT	3+	483	78	184.05	386.91	466.98	-	-
C410	RBT	3+	410	68	122.15	182.75	319.1	-	-
C430	RBT	3+	430	65	172.82	368.5	430	-	-
c431	RBT	3+	431	65	173.12	324.48	425.39	-	-
C362	RBT	3+	362	52	117.73	202.94	350.64	-	-
c371	RBT	3+	371	53	124.03	273.36	353.77	-	-
c292	RBT	3+	292	40	106.05	162.4	280.73	-	-
C340	RBT	3+	340	48	117.86	169.13	322.91	-	-
C268	RBT	3+	268	51	110.04	161.38	260.1	-	-
c295	RBT	3+	295	42	120.98	169.92	284.12	-	-
C290	RBT	3+	290	39	100.97	163.98	267.09	-	-
C452	RBT	3+	452	80	162.95	254.48	437.55	-	-
JP3	RBT	3+	365	68	106.09	149.98	334.28	-	-
C376	RBT	3+	376	48	118.17	195.52	356.66	-	-
21051	RBT	3+	330	50	119.28	235.18	319.46	-	-
21502	RBT	3+	310	37	152.12	211.32	290.26		

Table D10 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
' 1508	RBT	3 +	310	26	160.22	225.75	300.64		
1511	RBT	3 +	280	36	137.73	202.94	274.07	-	-
c295	RBT	3 +	295	32	137.98	202.21	287.86		
C325	RBT	3 +	325	39	146.11	212.36	318.37	-	-
' 21507	RBT	3 +	330	40	145.62	218.06	303.66	-	-
c349	RBT	3 +	349	60	113.67	156.03	334.88		
C42	RBT	4 +	550	69	206.72	381.86	465.93	542.99	
C46	RBT	4 +	492	72	125.68	172.95	409.28	492	
C520	RBT	4 +	520	70	131.37	222.05	390.46	507.05	
C500	RBT	4 +	500	78	133.28	338.86	455.55	500	
c435	RBT	4 +	435	67	116.09	176.57	358.02	424	
c439	RBT	4 +	439	55	141.08	208.79	337.44	432.23	
C406	RBT	4 +	406	45	142.02	224.99	330.58	390.92	
C421	RBT	4 +	421	61	124.7	165.37	310.61	409.38	
C448	RBT	4 +	448	64	126.19	185.79	352.65	424.16	
C321	RBT	4 +	321	62	115.84	165.08	279.97	312.79	
C418	RBT	4 +	418	52	120.66	195	330.15	404.48	
C402	RBT	4 +	402	65	102.72	144	303.96	386.52	
C410	RBT	4 +	410	50	114.68	169.62	320.72	403.13	
C420	RBT	4 +	420	60	125.5	172.62	349.32	408.22	
c437	RBT	4 +	431	67	120.99	169.94	338.54	425.56	
C440	RBT	4 +	440	65	129.79	181.49	330.85	428.51	-
C396	RBT	4 +	396	51	131.19	182.86	312.04	383.08	-
C402	RBT	4 +	402	52	105.3	156.9	285.9	382.65	
c419	RBT	4 +	419	53	126.44	172.98	325.91	399.05	
c439	RBT	4 +	439	50	148.53	208.11	327.28	431.55	
C465	RBT	4 +	465	56	130.63	201.77	408.09	450.77	
C362	RBT	4 +	362	60	110.91	174.91	283.23	357.08	
C385	RBT	4 +	385	58	110.52	159.92	313.63	379.51	
c394	RBT	4 +	394	43	119.9	188.42	333.09	378.77	

Table D10 continued

Fish No.	Species	Age	Capture Length	Scale Length	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+
C423	RBT	4+	423	59	114.93	163.25	296.15	404.88	
JP2	RBT	4+	407	48	137.52	194.25	343.18	385.72	
JP4	RBT	4+	408	58	107.8	149.01	331.48	396.23	
JP6	RBT	4+	532	88	135.35	188.24	357.48	489.69	
C466	RBT	4+	466	56	130.79	202.11	387.55	458.87	
21510	RBT	4+	436	48	143.56	212.82	366.74	428.3	
c411	RBT	4+	411	62	133.26	211.03	316.57	394.34	
C430	RBT	4+	430	77	118.51	156.27	321.45	420.56	
c439	RBT	4+	439	60	122.46	159.7	352.11	426.59	
C440	RBT	4+	440	53	144.1	207.51	285	418.86	
C440	RBT	4+	440	63	102.16	137.72	297.75	422.22	
6	RBT	4+	419	76	108.33	154.7	303.08	400.45	
5	RBT	4+	500	57	127.43	173.05	370.74	454.38	
C500	RBT	4+	500	60	124.39	189.4	355.53	434.99	
coo2	RBT	4+	285	70	94.68	144.6	207	269.4	
C10	RBT	5+	510	79	162.02	212.53	358.46	453.87	504.39
C506	RBT	5+	506	70	135.65	185.87	330.24	443.23	499.72
C450	RBT	5+	450	54	109.2	158.9	315.1	393.2	442.9
JP5	RBT	5+	481	69	126.66	174.7	366.89	432.95	468.99
21509	RBT	5+	481	53	136.97	191.7	262.07	324.62	457.54
C525	RBT	5+	525	80	118.17	169.74	290.07	433.32	513.54

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Table D11 Age, capture length, scale length and back-calculated lengths for walleye captured during relative abundance surveys on Lake Roosevelt in May, August, and October 1990.

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Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
7	WE	0+	82	16									
8	WE	0+	95	18									
11	WE	0+	93	16									
12	WE	0+	102	22									
1	WE	0+	164	26									
1	WE	0+	172	37									
2	WE	0+	156	25									
2	WE	0+	146	43									
2	WE	0+	185	31									
3	WE	0+	182	40									
3	WE	0+	204	43									
4	WE	0+	168	29									
6	WE	0+	156	24									
9	WE	0+	161	33									
10	WE	0+	93	11									
11	WE	0+	216	47									
11	WE	0+	147	21									
12	WE	0+	142	20									
13	WE	0+	155	22									
14	WE	0+	124	29									
15	WE	0+	182	30									
16	WE	0+	196	47									
5	WE	1+	205	45	194.04	-							
6	WE	1+	215	33	188.58	-							
7	WE	1+	206	48	195.66	-							
8	WE	1+	215	46	199.84	-							
9	WE	1+	175	43	165.63	-							
9	WE	1+	175	32	158.2	-							
10	WE	1+	210	55	197.68	-							
11	WE	1+	176	31	162.9	-							
11	WE	1+	95	13	86.64	-							

Table D11 continued

Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
11	WE	1+	182	29	162.5			-				-	-
11	WE	1+	86	34	69.99			-				-	-
12	WE	1+	168	38	107.67			-				-	-
12	WE	1+	195	41	179.94							-	-
13	WE	1+	200	43	174.06						-		
13	WE	1+	210	40	193.06						-		
21	WE	1+	95	19	89.28						-		
22	WE	1+	195	47	168.72						-		
23	WE	1+	220	55	177.6			-			-	-	-
29	WE	1+	210	38	169.89			-				-	-
1	WE	1+	227	56	190.39							-	-
1	WE	1+	227	39	183.99							-	-
1	WE	1+	218	43	156.13						-	-	-
2	WE	1+	240	56	197.28						-		
2	WE	1+	263	45	223.47						-		
2	WE	1+	220	38	168.08						-	-	-
2	WE	1+	232	56	177.32			-			-	-	-
2	WE	1+	264	80	155.11							-	-
3	WE	1+	224	45	187.33							-	-
3	WE	1+	217	47	175.72			-				-	-
3	WE	1+	212	43	168.16							-	-
3	WE	1+	244	62	198.08						-	-	-
3	WE	1+	275	72	203.39						-		
4	WE	1+	217	60	172.91						-		
4	WE	1+	210	29	180.8						-	-	-
4	WE	1+	234	54	187.45						-	-	-
5	WE	1+	280	44	231.04			-			-	-	-
5	WE	1+	232	54	175.3			-				-	-
5	WE	1+	256	45	193.78			-				-	-
6	WE	1+	230	41	169.96			-				-	-
6	WE	1+	246	37	201.6								
7	WE	1+	290	70	236.56								
7	WE	1+	233		163.62								

Table D11 continued

Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
15	WE	1+	296	76	178.4								
16	WE	1+	290	50	175.29								
16	WE	1+	280	70	191.09								
16	WE	1+	280	50	198.61								
18	WE	1+	275	50	148.44								
19	WE	1+	240	61	158.29								
20	WE	1+	293	71	175.7								
26	WE	1+	278	75	176.72								
27	WE	1+	268	65	166.56								
31	WE	1+	280	80	163.31								
33	WE	1+	272	70	172.84								
34	WE	1+	255	62	161.65								
16	WE	1+	279	65	172.65								
47	WE	1+	272	50	174.82								
48	WE	1+	279	67	161.59								
19	WE	1+	280	70	180.83								
50	WE	1+	267	67	169.02								
53	WE	1+	378	63	254.83								
54	WE	1+	265	60	164.03								
55	WE	1+	283	64	192.11								
3	WE	2+	340	68	172.71	313.59							
4	WE	2+	316	78	160.66	284.23							
6	WE	2+	320	56	185.3	300.05							
6	WE	2+	347	71	187.34	308.16							
10	WE	2+	320	80	152.38	292.06							
11	WE	2+	334	78	179.79	318.96							
12	WE	2+	343	49	188.73	293.63							
12	WE	2+	360	80	188.34	324.07							
13	WE	2+	340	78	155.77	274.75							
14	WE	2+	316	68	182.36	283.6							
14	WE	2+	290	81	166.85	274.61							
14	WE	2+	310	78	164.95	282.37							
15	WE		295	68	190.26	265.07							

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Table D11 continued

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Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
15	WE	2+	305	61	170.65	287.66							
15	WE	2+	290	65	182.58	270.82							
15	WE	2+	340	71	183.99	310.48							
16	WE	2+	305	75	164	287.38							
16	WE	2+	344	95	193.91	328.03							
17	WE	2+	310	78	171.86	282.37							
18	WE	2+	325	77	188.35	291.76							
20	WE	2+	289	62	160.81	256.95							
22	WE	2+	245	68	130.79	223.96							
23	WE	2+	220	50	123.14	187.71							
24	WE	2+	200	42	116.52	177.23							
25	WE	2+	210	50	135.48	182.9							
26	WE	2+	215	47	122.25	189.03							
27	WE	2+	211	54	132.13	195.23							
3	WE	2+	341	92	167.96	305.09							
4	WE	2+	310	a4	152.87	297.17							
4	WE	2+	362	a5	161.62	327.97							
7	WE	2+	325	62	173.64	302.07							
7	WE	2+	325	60	182.82	296.56							
8	WE	2+	364	74	167.36	324.67							
8	WE	2+	315	65	163.04	272.79							
9	WE	2+	324	78	149.62	298.57							
9	WE	2+	324	90	166.57	298.81							
9	WE	2+	343	82	151.25	298.75							
10	WE	2+	332	57	204.21	301.33							
11	WE	2+	326	76	183.32	299.72							
11	WE	2+	341	71	176.01	319.85							
12	WE	2+	323	62	200.03	286.57							
12	WE	2+	355	94	171.06	324.9							
12	WE	2+	333	a4	158.97	287.75							
13	WE	2+	340	95	198.19	311.64							
13	WE	2+	253	50	180.79	231.76							
17	WE	2+	380	95	201.38	351.42							

Table D11 continued

Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
18	WE	2+	358	103	216.26	317.94						-	-
1a	WE	2+	364	92	195.29	332.37	-	-					
19	WE	2+	380	78	171.16	301.68	-	-					
19	WE	2+	353	85	213.35	327.28	-	-					
20	WE	2+	382	73	204.3	344.59	-	-					
22	WE	2+	340	92	203.33	304.21	-	-				-	-
5	WE	2+	406	66	184.56	317.43	-	-				-	-
6	WE	2+	415	81	211.64	336.43	-	-				-	-
6	WE	2+	384	74	184.47	305.12	-	-				-	-
7	WE	2+	315	92	112.2	255.35						-	-
7	WE	2+	360	88	200.32	316.45						-	-
8	WE	2+	369	65	161.87	293.22	-	-					
8	WE	2+	365	59	205.56	321.02	-	-					
a	WE	2+	353	78	180.8	292.93	-	-				-	-
9	WE	2+	333	68	143.82	277.11	-	-				-	-
10	WE	2+	376	79	155.25	312.32	-	-				-	-
10	WE	2+	310	67	173.3	257.73	-	-				-	-
11	WE	2+	382	68	191.23	331.8						-	-
12	WE	2+	315	54	187.98	274.35							
12	WE	2+	276	65	163.75	232.55							
13	WE	2+	380	94	166.99	322.23	-	-					
14	WE	2+	356	63	215.84	300.94	-	-				-	-
15	WE	2+	290	48	154.92	248.44	-	-				-	-
15	WE	2+	373	68	226.37	319.23	-	-				-	-
19	WE	2+	350	75	213.88	300.5	-	-				-	-
20	WE	2+	360	81	198.34	328.46	-	-				-	-
21	WE	2+	303	63	182.23	253.02	-	-				-	-
25	WE	2+	340	78	174.96	263.24						-	-
26	WE	2+	273	62	168.06	243.02						-	-
5	WE	3+	360	67	159.8	212.23	331.4	-					
6	WE	3+	389	72	195.46	287.39	369.65	-	-	-	-		
7	WE	3+	350	67	179.15	266.89	317.68	-	-	-	-		
7	WE	3+	375	94	147.34	243.39	360.77	-					

Table D11 continued

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Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
8	WE	3+	366	63	174.91	273.04	329.85		-	-	-	-	
8	WE	3+	442	103	188.71	301.72	399.14		-	-	-	-	
8	WE	3+	383	95	177.58	242.45	314.53		-	-	-	-	
9	WE	3+	369	70	181.36	256.42	336.16			-	-	-	
9	WE	3+	425	97	175.36	278.38	377.45	-		-	-	-	
9	WE	3+	420	87	158.37	280.46	367.67	-			-	-	
10	WE	3+	360	86	133.47	211.46	330.29	-			-	-	
11	WE	3+	403	93	177.01	274.42	364.04	-	-		-	-	
14	WE	3+	392	80	172.39	282.2	352.47	-	-		-	-	
17	WE	3+	350	62	160.39	240.22	325.05	-	-	-	-	-	
1a	WE	3+	398	110	154.34	268.05	375.26		-	-	-	-	
19	WE	3+	320	78	155.24	219.71	291.35			-	-	-	
21	WE	3+	309	72	111.45	189.72	290.36	-		-	-	-	
28	WE	3+	325	76	160.36	257.65	298.81	-		-	-	-	
29	WE	3+	315	73	160.9	254.86	296.21	-		-	-	-	
9815	WE	3+	441	84	197.92	374.27	431.47	-		-	-	-	
34711	WE	3+	424	91	183.87	284.98	394.51	-	-	-	-	-	
34715	WE	3+	390	72	157.09	258.99	356.03		-	-	-	-	
a	WE	3+	403	77	181.81	323	374.76		-	-	-	-	
10	WE	3+	395	72	153.83	311.33	355.63		-	-	-	-	
11	WE	3+	389	96	182.16	305.54	359.97			-	-	-	
13	WE	3+	460	88	207.42	326.56	407.58			-	-	-	
15	WE	3+	470	78	194.76	321.37	425.96	-		-	-	-	
16	ME	3+	435	108	204.95	307.19	387.53	-	-	-	-	-	
17	WE	3+	410	81	177.43	254.96	154.63	-	-		-	-	
18	WE	3+	425	107	202.28	310.05	385.49	-	-		-	-	
18	WE	3+	422	84	185.91	313.04	390.22		-	-	-	-	
31	WE	3+	404	108	195.4	309.79	377.08			-	-	-	
32	WE	3+	414	78	203.38	299.12	385.28			-	-	-	
36	WE	3+	408	91	194.04	303.04	383.78			-	-	-	
38	WE	3+	479	117	205.49	295.41	449.03			-	-	-	
39	WE	3+	428	123	176.05	279.98	368.16			-	-	-	
l	WE		451	84	167.65	265.36	387.49	-		-	-	-	

Table D11 continued

185

Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
1	WE	3+	287	67	158.3	209.78	257.58						
1	WE	3+	445	80	212.49	308.53	399.51						
4	WE	3+	474	85	219.08	331.24	428.11						
4	WE	3+	410	85	188.38	275.29	344.82						
5	WE	3+	430	102	193.32	277.31	388.01						
6	WE	3+	415	77	147.59	322.62	361.52						
9	WE	3+	388	90	156.42	256.77	337.82						
9	WE	3+	463	90	181.42	294.05	392.61						
11	WE	3+	486	84	220.9	321.64	443.58						
12	WE	3+	409	98	175.95	273.68	360.13						
17	WE	3+	433	76	195.51	309.09	386.54						
18	WE	3+	420	84	149.02	302.58	383.87						
18	WE	3+	400	65	206.49	289.42	350.24						
21	WE	3+	365	71	182.26	264.49	328.45						
28	WE	3+	456	77	148.52	277.98	396.66						
1	WE	3+	407	78	141.63	82.23	63.96	328.45					
2	WE	4+	625	114	220.04	343.07	481.47	604.5					
3	WE	4+	410	96	152.21	279.18	340.74	375.37					
3	WE	4+	511	115	204.24	326.94	404.66	494.64					
4	WE	4+	424	100	167.14	255.32	312.82	378					
4	WE	4+	492	90	241.24	336.53	411.76	471.94					
5	WE	4+	464	104	203.46	293.02	366.3	431.43					
5	WE	4+	450	98	165.95	249.49	333.04	399.87					
5	WE	4+	432	73	163.94	255.08	340.86	405.19					
6	WE	4+	448	89	187.1	296.95	370.19	420.54					
6	WE	4+	477	72	295.18	295.18	398.21	446.7					
7	WE	4+	447	116	215.79	303.37	355.92	418.97					
7	WE	4+	487	105	189.42	308.45	397.73	461.49					
7	WE	4+	410	85	171	266.6	340.47	388.27					
8	WE	4+	431	84	161.46	231.17	324.11	403.12					
8	WE	4+	414	79	191.87	281.67	338.38	390.37					
10	WE	4+	443	77	197.4	270.56	354.17	416.87					
10	WE	4+	455	114	207.83	295.07	389.57	444.1					

Table D11 continued

Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
13	WE	4+	410	101	146.69	267.37	344.17	373.43	-	-	-	-	-
14	WE	4+	460	109	167.6	271.48	329.19	383.05	-	-	-	-	-
20	WE	4+	483	86	205.23	297.82	400.7	467.57	-	-	-	-	-
34710	WE	4+	440	90	151.57	262.5	337.94	417.81	-	-	-	-	-
34713	WE	4+	428	72	196.65	298.88	358.06	411.86	-	-	-	-	-
34714	WE	4+	455	91	200	304.73	363.93	423.13	-	-	-	-	-
34716	WE	4+	400	88	179.48	269.32	318.33	371.41	-	-	-	-	-
1	WE	4+	470	93	202.22	289.94	359.19	409.98	-	-	-	-	-
5	WE	4+	430	98	163.8	259.15	318.75	382.32	-	-	-	-	-
6	WE	4+	440	104	163.51	240.32	332.48	409.28	-	-	-	-	-
6	WE	4+	425	99	172.64	296.88	355.11	401.7	-	-	-	-	-
6	WE	4+	441	117	191.2	314.39	369.14	413.62	-	-	-	-	-
7	WE	4+	451	93	177.42	292.15	371.57	411.29	-	-	-	-	-
8	WE	4+	477	95	178.43	261.11	371.35	440.25	-	-	-	-	-
9	WE	4+	555	88	221.83	391.34	473.17	525.77	-	-	-	-	-
10	WE	4+	461	123	177.34	279.86	378.98	399.48	-	-	-	-	-
12	WE	4+	451	113	131.42	185.89	258.53	414.68	-	-	-	-	-
15	WE	4+	460	105	188.41	368.14	412.07	440.03	-	-	-	-	-
16	WE	4+	532	109	162.35	220.95	396.76	486.92	-	-	-	-	-
16	WE	4+	410	87	184.98	286.88	350.56	384.53	-	-	-	-	-
16	WE	4+	455	134	164.32	263.28	362.23	427.17	-	-	-	-	-
17	WE	4+	422	85	197.66	278.43	368.16	408.54	-	-	-	-	-
17	WE	4+	418	127	201.09	269.43	325.89	385.31	-	-	-	-	-
19	WE	4+	495	85	217.03	307.91	409.47	468.27	-	-	-	-	-
20	WE	4+	565	127	164.5	296.62	412.23	527.84	-	-	-	-	-
29	WE	4+	480	91	166.16	306.18	402.75	460.69	-	-	-	-	-
30	WE	4+	447	103	158.99	277.35	332.59	407.55	-	-	-	-	-
35	WE	4+	434	83	149.64	249.16	324.99	410.3	-	-	-	-	-
1	WE	4+	433	84	157.41	246.16	348.92	386.29	-	-	-	-	-
7	WE	4+	429	76	173.49	265.48	342.13	398.34	-	-	-	-	-
7	WE	4+	440	100	168.43	264.28	312.2	396.07	-	-	-	-	-
8	WE	4+	505	82	165.22	255.83	380.41	459.7	-	-	-	-	-
10	WE	4+	490	96	181.06	298.08	368.3	447.87	-	-	-	-	-

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Table D11 continued

Fish No	Spec.	Age	Capt. Len.	Scale Len.	Scale 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. a+	
10	WE	4+	447	83	192.41	251.16	334.39	402.94				-	-	-
13	WE	4+	270	65	125.32	164.14	206.48	234.71				-	-	-
17	WE	4+	445	90	184.41	265.28	328.18	391.08				-	-	-
18	WE	4+	465	97	176.25	281.25	346.88	416.88				-	-	-
19	WE	4+	430	93	162.05	249.97	342.08	396.51				-	-	-
23	WE	4+	445	92	198.86	260.4	321.93	409.84				-	-	-
24	WE	4+	490	96	181.06	298.08	391.7	452.55						
27	WE	4+	490	96	152.97	274.68	358.93	433.83						
42	WE	4+	406	75	162.42	284.21	332.93	376.77				-	-	-
52	WE	4+	443	105	155.59	262.89	347.2	416.18				-	-	-
2	WE	5+	520	96	180.45	280.32	380.18	460.08	495.03			-	-	-
4	WE	5+	662	137	203.91	371.72	457.9	530.47	612.11			-	-	-
4	WE	5+	470	89	199.83	373.51	407.28	445.88	40.63			-	-	-
9	WE	5+	550	108	205.7	318.9	417.94	488.69	526.42			-	-	-
19	WE	5+	515	136	155.73	228.98	319.67	417.34	497.56					
20	WE	5+	470	97	169	244.25	354.91	425.74	456.72					
8	WE	5+	463	83	193.29	274.71	330.69	386.67	432.47					
9	WE	5+	445	106	158.89	242.82	300.04	361.07	422.11			-	-	-
11	WE	5+	507	143	174.34	252.62	327.63	431.99	493.95			-	-	-
12	WE	5+	493	95	188.25	278.72	350.15	412.05	459.67			-	-	-
17	WE	5+	462	125	148.5	222.66	300.19	354.13	424.92			-	-	-
34782	WE	5+	570	113	190.54	312.34	415.41	495.04	537.21					
16	WE	5+	499	95	180.55	252.93	330.13	397.68	465.23					
23	WE	5+	521	102	205.46	323.2	379.71	464.49	492.74					
24	WE	5+	610	119	174.6	289.43	375.55	495.17	552.58					
32	WE	5+	584	116	190.53	242.05	373.21	485.63	551.21			-	-	-
1	WE	6+	620	96	191.51	336.35	426.88	481.19	535.51	577.75		-	-	-
22	WE	6+	598	89	222.24	303.66	378.81	466.49	522.85	566.69		-	-	-
34780	WE	6+	622	109	200.64	301.98	381.98	461.99	515.33	579.33		-	-	-
1	WE	7+	864	163	222.48	384.12	525.56	621.54	682.15	773.08	838.74		-	-
(-30950	WE	7+	665	108	214.07	300.78	370.16	456.88	532.03	595.63	630.31		-	-
20	WE	7+	536	120	147.96	214.01	280.06	346.11	416.29	461.69	494.72		-	-
(-30953	WE	8+	770	136	217.61	319.51	437.49	512.58	560.84	625.2	673.47	727.1		-

Table D11 continued

Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C.								
					0+	1+	2+	3+	4+	5+	6+	7+	8+
10	WE	8+	724	130	219.36	303.46	366.54	440.14	487.45	576.81	639.89	692.46	-
17	WE	8+	715	180	194.24	310.38	381.56	452.75	516.44	561.39	628.83	688.77	-
y - 30952	WE	9+	765	140	169.98	304.51	402.82	464.9	537.34	609.78	651.17	692.56	733

Table D12 Age, capture length, scale length and back-calculated lengths for walleye harvested by anglers on Lake Roosevelt in 1990.

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Fish No	Spec.	Age	Capt. Len.	Scale Len.	Scale 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
C6	WE	1+	305	50	226								
Cl	WE	2+	331	77	154	282							
c5	WE	2+	362	79	183	325							
C9	WE	2+	360	62	175	334							
C008	WE	2+	345	70	175	293							
C18	WE	3+	472	103	187	367	451						
C418	WE	3+	418	86	190	304	383						
C425	WE	3+	425	106	204	331	378						
c429	WE	3+	429	88	195	323	398						
C409	WE	3+	409	92	177	309	373						
C416	WE	3+	416	88	211	314	395						
C425	WE	3+	425	85	194	316	384						
C430	WE	3+	430	100	181	305	391						
c434	WE	3+	434	110	177	269	366						
c459	WE	3+	459	85	193	336	434						
C385	WE	3+	385	56	176	268	367						
c393	WE	3+	393	102	189	327	386						
C405	WE	3+	405	114	168	300	367						
c414	WE	3+	414	83	149	302	387						
C426	WE	3+	426	95	170	325	406						
C430	WE	3+	430	96	174	268	393						
c435	WE	3+	435	75	167	272	403						
c435	WE	3+	435	88	166	314	404						
C436	WE	3+	436	64	189	288	393						
C465	WE	3+	465	90	276	390	451						
c2	WE	3+	345	89	157	232	307						
c3	WE	3+	398	92	157	266	363						
c4	WE	3+	430	99	190	316	387						
c5	WE	3+	412	98	196	310	370						
C6	WE	3+	382	66	185	289	351						
c7	WE	3+	395	72	188	316	380						
C10	WE	3+	375	61	167	260	348						

Table D12 continued

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Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. a+
C8	WE	3+	376	96	173	278	352		-				
C9	WE	3+	375	95	136	273	347		-			-	
C11	WE	3+	383	78	181	286	352		-			-	
C13	WE	3+	355	86	183	278	333						
C14	WE	3+	386	85	175	252	349		-				
C17	WE	3+	376	71	154	267	348						
c22	WE	3+	384	89	195	288	369						
C23	WE	3+	391	90	161	294	372						
C24	WE	3+	326	59	181	234	311					-	
C28	WE	3+	288	84	132	208	264					-	
c29	WE	3+	366	78	174	274	333		-			-	
C30	WE	3+	397	98	190	313	368		-				
c31	WE	3+	349	71	167	214	310		-				
C32	WE	3+	392	92	170	255	339						
c4	WE	3+	403	77	168	257	351						
c7	WE	3+	416	85	173	306	394	-					
C8	WE	3+	419	73	181	305	398	-					
coo7	WE	3+	526	89	188	341	477					-	
c22	WE	4+	416	98	121	286	339	397					
C23	WE	4+	432	88	165	272	352	396					
C24	WE	4+	416	78	166	257	310	382					
C26	WE	4+	467	95	198	319	391	440					
C480	WE	4+	480	94	181	293	368	438					
C470	WE	4+	470	111	191	308	366	427					
C428	WE	4+	428	101	160	294	378	413				-	
c447	WE	4+	447	75	209	339	398	442				-	
C450	WE	4+	450	82	200	290	385	445	-			-	
C460	WE	4+	460	98	190	297	374	451	-			-	
Cl	WE	4+	400	113	146	257	311	355	-			-	
C12	WE	4+	432	92	190	262	368	398					
C15	WE	4+	421	107	186	289	336	385					
Cl 6	WE	4+	415	82	168	232	319	388					
C18	WE	4+	395		162	231	316	363					

Table D12 continued

Fish No	Spec.	Age	Capt. Len.	Scale Len.	B.C. 0+	B.C. 1+	B.C. 2+	B.C. 3+	B.C. 4+	B.C. 5+	B.C. 6+	B.C. 7+	B.C. 8+
C19	WE	4+	436	111	162	254	329	397					
C20	WE	4+	425	103	171	276	339	399					
c21	WE	4+	415	94	168	268	327	371					
C24	WE	4+	400	96	168	235	303	381					
C27	WE	4+	410	89	165	252	331	381					
C32	WE	4+	416	107	163	251	325	388					
c2	WE	4+	475	91	184	303	403	446					
C006	WE	4+	675	85	287	354	488	615					
C25	WE	5+	490	94	203	299	356	399	461				
coo1	WE	5+	443	90	139	237	331	389	443				
c3	WE	5+	480	95	189	295	346	406	457				
coo4	WE	5+	388	80	149	214	279	327	366				
C894	WE	9+	894	122	202	320	460	544	635	698	782	845	894

APPENDIX E
ZOOPLANKTON SURVEYS

Table E1. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for January 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia schød</i>	0.07	0.09	80	14
<i>Chydorus spaericus</i>	0.01	0	7	7
<i>Bosmina longi</i>	0.03	0.03	29	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.09	0.1	94	7
<i>Skistodiaptomus ore</i>	0.01	0.03	22	14
<i>Diacyclops bicus thorn</i>	0.74	0.75	747	7
<i>Copepodid</i>	0.38	0.41	392	21
<i>nauplii</i>	4.77	4.81	4792	28
Total Daphnia	0.07	0.09	80	14.14
Total Cladocera	0.11	0.12	116	7.07
Total Copepoda	1.22	1.29	1255	49.50
Total nauplii	4.77	4.81	4792	28.28
Grand Total	6.1	6.22	6163	84.85
Rotifera				
<i>Brachionus quad</i>	.	.	.	.
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratella</i> spp.	.	.	.	.
<i>Polyarthra</i> spp.	*	*	*	*
<i>Synchaeta pectinata</i>	.	.	.	.
<i>Trichocerca</i> spp.	*	*	*	*

Table E2. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for January 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia schød</i>	0.08		42	0.0
<i>Bosmina longi</i>	0.04		19	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.04		22	0.0
<i>Skistodiaptomus ore</i>	0.01		3	0.0
<i>Episura nevadensis</i>	0		2	0.0
<i>Diacyclops bicus thorn</i>	0.14		72	0.0
<i>Copepodid</i>	0.08		41	0.0
<i>nauplii</i>	0.98		488	0.0
Total Daphnia	0.08		42	0.0
Total Cladocera	0.12		61	0.0
Total Copepoda	0.27		140	0.0
Total napulii	0.98		488	0.0
Grand Total	1.37		689	0.0
Rotifera				
<i>Brachionus quad</i>	*			
<i>Filinis terminalis</i>	.			
<i>Kellicottia longispina</i>	.			
<i>Keratella</i> spp.	*			
<i>Notholca</i> spp.	.			
<i>Polyarthra</i> spp.	.			
<i>Synchaeta pectinata</i>	.			
<i>Trichocerca</i> spp.	*			

Table E3. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for February 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia schød</i>	0.0		2	0.0
<i>Chydorus spaericus</i>	0.0		1	0.0
<i>Bosmina longi</i>	0.02		12	0.0
Copepoda				
<i>leptodiaptomus ash</i>	0.02		11	0.0
<i>Diacyclops bicus thorn</i>	0.55		274	0.0
<i>Copepodid</i>	0.17		84	0.0
<i>nauplii</i>	2.62		1310	0.0
Total Daphnia	0.0		2	0.0
Total Cladocera	0.02		15	0.0
Total Copepoda	0.74		369	0.0
Total napulii	2.62		1310	0.0
Grand Total	3.38		1694	0.0
Rotifera				
<i>Asplanchna herricki</i>	.			
<i>Asplanchna priodonta</i>	*			
<i>Brachionus quad</i>	*			
<i>Kellicottia longispina</i>	*			
<i>Keratella</i> spp.	*			
<i>Polyarthra</i> spp.	*			
<i>Synchaeta pectinata</i>	.			

Table E4. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for February 1990. Sample taken via Clarke-Bumpus

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia schød</i>	0.0		1	0.0
<i>Chydorus spaericus</i>	0.0		1	0.0
<i>Bosmina longi</i>	0.0		2	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.03		15	0.0
<i>Skistodiaptomus ore</i>	0.01		4	0.0
<i>Diacyclops bicus thom</i>	0.05		23	0.0
<i>Copepodid</i>	0.1		49	0.0
<i>nauplii</i>	0.59		295	0.0
Total Daphnia	0.0		1	0.0
Total Cladocera	0.0		4	0.0
Total Copepoda	0.19		91	0.0
Total napulii	0.59		295	0.0
Grand Total	0.79		390	0.0
Rotifera				
<i>Asplanchna herricki</i>	*			
<i>Asplanchna priodonta</i>	*			
<i>Brachionus quad</i>	*			
<i>Kellocottia longispina</i>	*			
<i>Keratella spp.</i>	*			
<i>Polyarthra spp.</i>	*			

Table E5. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for March 90. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia schød</i>	0.0	0.0	1	0.0
<i>Bosmina longi</i>	0.01	0.0	6	7
Copepoda				
<i>Leptodiptomus ash</i>	0.02	0.02	20	0.0
<i>Diacyclops bicus thorn</i>	0.21	0.19	199	14
<i>nauplii</i>	1.32	1.41	1365	64
Total Daphnia	0.0	0.0	1	0.0
Total Cladocera	0.01	0.0	7	7.07
Total Copepoda	0.23	0.21	219	14.14
Total nauplii	1.32	1.41	1365	63.64
Grand Total	1.56	1.62	1591	42.43
Rotifera				
<i>Asplanchna herricki</i>	.	.	.	.
<i>Asplanchna priodonta</i>	.	.	.	.
<i>Brachionus quad</i>	.	.	.	.
<i>Kera tella</i> spp.	*	*	*	*
<i>Notholca</i> spp.	*	*	*	*
<i>Polyarthra</i> spp.	*	*	*	*
<i>Synchaeta pectinata</i>	.	.	.	.
<i>Testudinella</i>	*	*	*	*

Table 1b. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for March 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Chydorus spaeicus</i>		0.01	3	0.0
<i>Eurycercus lamel</i>	0.0		0.0	0.0
<i>Bosmina longi</i>	0.0	0.01	5	7
<i>Lep todora kindti</i>	0.0	0.0	0.0	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.13	0.17	149	28
<i>Diacyclops bicus thorn</i>	0.13	0.09	110	28
<i>hauplii</i>	0.52	0.84	677	226
Total Daphnia	0.0	0.0	0.0	0.0
Total Cladocera	0.0	0.02	8	14.14
Total Copepoda	0.26	0.26	259	0.0
Total nauplii	0.52	0.84	677	226.27
Grand Total	0.78	1.12	944	240.42
Rotifera				
<i>Asplanchna herricki</i>	.			
<i>Asplanchna priodonta</i>	*			
<i>Epiphanes</i> spp.	*			
<i>Kellidottia longispina</i>	.			
<i>Keratella</i> spp.	.			
<i>Notholca</i> spp.	*			
<i>Polyarthra</i> spp.	*			
<i>Synchaeta pectinata</i>	.			
<i>Testudinnella</i>	.			

Table E7. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for April 1990. Sample taken via Clarke-Bumpus.

	#/L₁	#/L₂	Mean #/m³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.0	0.0	1	0.0
<i>Daphnia schød</i>	0.01	0.0	6	7
<i>Alona guttata</i>	0.01		5	0.0
<i>Chydorus spaericus</i>	0.01	0.01	11	0.0
<i>Bosmina iongi</i>	0.05	0.04	44	7
<i>Leptodora kindti</i>	0.01	0.0	5	7
Copepoda				
<i>Leptodiptomus ash</i>	0.03	0.03	28	0.0
<i>Diacyciops bicus thorn</i>	0.38	0.22	301	113
<i>naupiii</i>	2.14	1.72	1928	297
Total Daphnia	0.01	0.0	7	7.07
Total Cladocera	0.09	0.05	72	28.28
Total Copepoda	0.41	0.25	329	113.14
Total napulii	2.14	1.72	1928	296.98
Grand Total	2.64	2.02	2329	438.41
Rotifera				
<i>Aspianchna priodonta</i>	.	.	.	.
<i>Brachionus quad</i>	*	.	.	.
<i>Euchianis dilata</i>	*	.	.	.
<i>Keiico ttia iongispina</i>	.	.	.	.
<i>Kera teiia</i> spp.	*	.	.	.
<i>Nothoica</i> spp.	.	.	.	.
<i>Poiyarthra</i> spp.	.	.	.	.
<i>Synchae ta pectina ta</i>	.	.	.	.
<i>Testudinnelia</i>	*	.	.	.

Table E8. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for April 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Oaphnia schød</i>	0.02		1	0.0
<i>Alona quad</i>	0.03	0.02	2	7
<i>Chydorus spaericus</i>	0.01	0.01	8	0.0
<i>Eurycercus lamel</i>		0.01	0.0	0.0
<i>Bosmina longi</i>	0.04	0.08	5	28
<i>Leptodora kindti</i>	0.02	0.01	1	7
Copepoda				
<i>Leptodiptomus ash</i>	0.02	0.03	24	7
<i>Diacyclops bicus thorn</i>	0.05	0.04	43	7
<i>nauplii</i>	0.53	0.5	512	21
Total Daphnia	0.02	0.0	1	14.14
Total Cladocera	0.12	0.13	17	7.07
Total Copepoda	0.07	0.07	67	0.00
Total nauplii	0.53	0.5	512	21.21
Grand Total	0.72	0.7	596	14.14
Rotifera				
<i>Asplanchna priodonta</i>	.			
<i>Brachionus quad</i>	*			
<i>Euchlanis dilata ta</i>	*			
<i>Filinis terminalis</i>	*			
<i>Keratella</i> spp.	*			
<i>Notholca</i> spp.	.			
<i>Monostyla lunaris</i>	*			

Table E9. Mean monthly zooplankton density in Lake Roosevelt at Kettle Falls for May 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia thorata</i>	0.0	0.0	1	0.0
<i>Chydorus spaericus</i>	0.03	0.02	25	7
<i>Bosmina longi</i>	0.01	0.01	10	0.0
<i>Macrothrix la ti</i>	0.01		3	0.0
Copepoda				
<i>Leptodiptomus ash</i>	0.01	0.01	13	0.0
<i>Diacyclops bicus thorn</i>	0.01	0.02	16	7
<i>Bryocamptus spp.</i>	0.01	0.01	6	0.0
<i>nauplii</i>	1.42	1.03	1225	276
Total Daphnia	0.0	0.0	1	0.00
Total Cladocera	0.05	0.03	39	14.14
Total Copepod	0.03	0.04	35	7.07
Total nauplii	1.42	1.03	1225	275.77
Grand Total	1.5	1.1	1299	282.84
Rotifera				
<i>Brachionus quad</i>	*			
<i>Euchlanis dila ta ta</i>	*			
<i>Keratella spp.</i>	*			
<i>Notholca spp.</i>	*			
<i>Polyarthra spp.</i>	.			
<i>Synchaeta pectina ta</i>	.			
<i>Testudinnella</i>	*			
<i>Trichotria tetractis</i>	.			

Table E10. Mean monthly zooplankton density in Lake Roosevelt at Gifford for May 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.0	0.0	1	0.0
<i>Daphnia schød</i>	0.0	0.0	2	0.0
<i>Daphnia thorata</i>	0.0	0.0	2	0.0
<i>Chydorus spaericus</i>	0.01	0.02	12	7
<i>Bosmina longi</i>	0.02	0.03	23	7
<i>Leptodora kindti</i>	0.02	0.01	14	7
Copepoda				
<i>Diacyclops bicus thorn</i>	0.02	0.02	23	0.0
<i>nauplii</i>	1.75	1.92	1032	120
Total Daphnia	0.01	0.0	5	7.07
Total Cladocera	0.05	0.06	54	7.07
Total Copepod	0.02	0.02	23	0.00
Total nauplii	1.75	1.92	1832	120.21
Grand Total	1 .a2	2.01	1909	134.35
Rotifera				
<i>Brachionus quad</i>	*			
<i>Kellicottia longispina</i>	.			
<i>Keratella</i> spp.	*			
<i>Notholca</i> spp.	.			
<i>Polyarthra</i> spp.	*			
<i>Synchaeta pectinata</i>	.			
<i>Tes tudinnella</i>	*			

Table EII. Mean monthly zooplankton density in Lake Roosevelt at Hunters for May 90. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia schød</i>		0.0	1	0.0
<i>Daphnia thorata</i>	0.01	0.01	5	0.0
<i>Alona guttata</i>		0.01	3	0.0
<i>Chydorus spaericus</i>		0.01	7	0.0
<i>Sida crys tallina</i>	0.0		1	0.0
<i>Bosmina longi</i>	0.01	0.03	21	14
<i>Leptodora kindti</i>	0.01	0.01	7	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.02	0.01	14	7
<i>Diacyclops bicus thorn</i>	0.11	0.13	119	14
<i>nauplii</i>	1.84	1.94	1889	71
Total Daphnia	0.01	0.01	5	0.0
Total Cladocera	0.03	0.07	45	28.28
Total Copepod	0.13	0.14	134	7.07
Total nauplii	1.a4	1.94	1889	70.71
Grand Total	2	2.15	2068	106.07
Rotifera				
<i>Brachionus quad</i>	*			
<i>Kellicottia longispina</i>	.			
<i>Keratella spp.</i>	.			
<i>Notholca spp.</i>	*			
<i>Polyarthra spp.</i>	*			
<i>Testudinnella</i>	*			
<i>Tricho tria te tractis</i>	.			

Table E12. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for May 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.04		19	0.0
<i>Daphnia te tro</i>	0.04	0.03	35	7
<i>Daphnia schød</i>	0.01		7	0.0
<i>Daphnia thorata</i>	0.01	0.02	16	7
<i>Chydorus spaericus</i>	0.04	0.05	47	7
<i>Bosmina longi</i>	0.06	0.15	105	64
<i>Leptodora kindti</i>	0.01	0.01	9	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.04	0.05	44	7
<i>Episura nevadensis</i>	0.01	0.01	8	0.0
<i>Diacyclops bicus thorn</i>	6.13	5.31	5718	580
<i>Mesocyclops edax</i>	0.27	0.19	234	57
<i>nauplii</i>	3.86	3.75	3809	78
Total Daphnia	0.1	0.05	77	35.36
Total Cladocera	0.21	0.26	238	35.36
Total Copepod	6.45	5.56	6004	629.33
Total nauplii	3.86	3.75	3809	77.78
Grand Total	10.52	9.57	10051	671.75
Rotifera				
<i>Asplanchna herricki</i>	.	.	.	.
<i>Asplanchna priodon ta</i>	.	.	.	.
<i>Brachionus quad</i>	.	.	.	.
<i>Collotheca mutabilis</i>	.	.	.	.
<i>Conochilus unicornis</i>	.	.	.	.
<i>Epiphanes spp.</i>	.	.	.	.
<i>Euchlanis dila ta ta</i>	.	.	.	.
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratella spp.</i>	.	.	.	.
<i>No tholca spp.</i>	.	.	.	.
<i>Monos tyla lunaris</i>	.	.	.	.
<i>Polyarthra spp.</i>	.	.	.	.
<i>Synchaeta pectinata</i>	.	.	.	.
<i>Testudinella</i>	.	.	.	.

Table E13. Mean monthly zooplankton density in Lake Roosevelt at Little Falls for May 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.0		0.0	0.0
<i>Daphnia retro</i>	0.0		2	0.0
<i>Daphnia schød</i>	0.0		0.0	0.0
<i>Daphnia thorata</i>	0.0		0.0	0.0
<i>Chydorus spaericus</i>	0.04		18	0.0
<i>Bosmina longi</i>	0.2		98	0.0
<i>Leptodora kindti</i>	0.0		2	0.0
Copepoda				
<i>leptodiptomus ash</i>	0.02		12	0.0
<i>Diacyclops bicus thorn</i>	3.39		1693	0.0
<i>Mesocyclops edax</i>	0.12		50	0.0
<i>nauplii</i>	3.14		1571	0.0
Total Daphnia	0.0		2	0.0
Total Cladocera	0.24		120	0.0
Total Copepod	3.53		1763	0.0
Total nauplii	3.14		1571	0.0
Grand Total	6.91		3454	0.0
Rotifera				
<i>Asplanchna herricki</i>	.			
<i>Asplanchna priodonta</i>	.			
<i>Brachionus quad</i>	*			
<i>Epiphanes spp.</i>	*			
<i>Euchlanis dila ta ta</i>	*			
<i>Kellicottia longispina</i>	.			
<i>Kera tella spp.</i>	*			
<i>No tholca spp.</i>	.			
<i>Polyarthra spp.</i>	*			
<i>Synchae ta pectinata</i>	*			
<i>Tes tudinnella</i>	.			

Table E14. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for May 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.03	0.04	34	7
<i>Daphnia retro</i>	0.01	0.03	23	14
<i>Daphnia schød</i>	0.08	0.08	76	0.0
<i>Daphnia thorata</i>	0.01	0.0	5	7
<i>Sida crys tallina</i>	0.0	0.0	2	0.0
<i>Bosmina longi</i>	0.11	0.12	117	7
<i>Lep todora kindti</i>	0.04	0.03	35	7
Copepoda				
<i>Leptodiaptomus ash</i>	0.06	0.06	64	0.0
<i>Episura ne vadensis</i>	0.03		13	0.0
<i>Oiacyclops bicus thorn</i>	0.75	0.86	807	78
<i>nauplii</i>	1.84	1.58	1709	184
Total Daphnia	0.13	0.15	138	14.14
Total Cladocera	0.28	0.3	292	14.14
Total Copepod	0.84	0.92	804	56.57
Total nauplii	1.84	1.58	1709	103.05
Grand Total	2.96	2.6	2885	113.14
Rot ifera				
<i>Asplanchna priodonta</i>	*			
<i>Brachionus quad</i>	*			
<i>Collotheca mutabilis</i>	*			
<i>Euchlanis dila ta ta</i>	*			
<i>Kellicottia longispina</i>	*			
<i>Keratella spp.</i>	*			
<i>Notholca spp.</i>	*			
<i>Polyarthra spp.</i>	*			

Table E15. Mean monthly zooplankton density in Lake Roosevelt at Keller Ferry for May 1990. Sample taken via Clarke-Bumpus.

	#/L₁	#/L₂	Mean #/m³	± S.D.
Cladocera				
<i>Daphnia retro</i>	0.01	0.0	5	7
<i>Daphnia schød</i>	0.06	0.08	70	14
<i>Oaphnia thora ta</i>	0.0		2	0.0
<i>Chydorus spaericus</i>		0.01	4	0.0
<i>Oiaphanosoma brachy</i>	0.0	0.01	5	7
<i>Bosmina longi</i>	0.24	0.24	241	0.0
<i>L eptodora kindti</i>	0.0	0.0	3	0.0
Copepoda				
<i>Leptodiptomus ash</i>	0.17	0.16	166	7
<i>Episura nevadensis</i>	0.02	0.11	65	64
<i>Diacyclops bicus thorn</i>	1.05	1.27	1158	156
<i>Mesocyclops edax</i>	0.1	0.11	103	7
<i>nauplii</i>	1.5	1.7	1599	141
Total Daphnia	0.07	0.08	77	7.07
Total Cladocera	0.31	0.34	330	21.21
Total Copepod	1.34	1.65	1492	219.20
Total nauplii	1.5	1.7	1599	141.42
Grand Total	3.15	3.69	3421	381.84
Rotifera				
<i>Asplanchna priodonta</i>	.			
<i>Brachionus quad</i>	*			
<i>Kellico ttia longispina</i>	.			
<i>Keratella</i> spp.	*			
<i>Notholca</i> spp.	*			
<i>Polyarthra</i> spp.	*			
<i>Synchaeta pectinata</i>	.			

Table E16. Mean monthly zooplankton density in Lake Roosevelt at Sanpoil for May 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.01		5	0.0
<i>Daphnia schød</i>	0.55	0.32	433	163
<i>Oaphnia thora ta</i>	0.06		29	0.0
<i>Diaphanosoma brachy</i>	0.01		5	0.0
<i>Bosmina longi</i>	0.67	0.64	655	21
<i>Lep todora kindti</i>	0.0	0.01	4	7
Copepoda				
<i>Leptodiaptomus ash</i>	0.18	0.13	154	35
<i>Episura nevadensis</i>	0.08	0.14	107	42
<i>Diacyclops bicus thorn</i>	0.69	0.64	665	35
<i>Mesocyclops edax</i>	0.14	0.08	112	42
<i>nauplii</i>	2.23	2.63	2430	283
Total Daphnia	0.62	0.32	467	212.13
Total Cladocera	1.3	0.97	1131	233.35
Total Copepod	1.09	0.99	1 038	70.71
Total nauplii	2.23	2.63	2430	282.84
Grand Total	4.62	4.59	4599	21.21
Rotifera				
<i>Brachionus quad</i>		*		
<i>Kellicottia longispina</i>		*		
<i>Keratella</i> spp.		.		
<i>Notholca</i> spp.		.		
<i>Pleosoma trunca turn</i>		.		
<i>Polyarthra</i> spp.		*		
<i>Synchaeta pectinata</i>		.		
<i>Testudinnella</i>		.		
<i>Tricho tria tetractis</i>		*		

Table E17. Mean monthly zooplankton density in Lake Roosevelt at Spring Canyon for May 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.01		4	0.0
<i>Daphnia schød</i>	0.06	0.05	55	7
<i>Oaphnia thorata</i>	0.01	0.02	16	7
<i>Chydorus spaericus</i>		0.01	4	0.0
<i>Bosmina longi</i>	0.24	0.22	234	14
<i>Leptodora kindti</i>	0.0	0.0	1	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.09	0.03	56	42
<i>Episura nevadensis</i>	0.06	0.06	63	0.0
<i>Diacyclops bicus thorn</i>	1	1.01	1008	7
<i>Mesocyclops edax</i>	0.1	0.09	98	7
<i>nauplii</i>	1.58	1.81	1699	163
Total Daphnia	0.08	0.07	75	7.07
Total Cladocera	0.32	0.3	314	14.14
Total Copepod	1.25	1.19	1225	42.43
Total nauplii	1.58	1.81	1699	162.63
Grand Total	3.15	3.3	3238	106.07
Rotifera				
<i>Asplanchna herricki</i>	*			
<i>Asplanchna priodonta</i>	*			
<i>Brachionus quad</i>	*			
<i>Kellicottia longispina</i>	*			
<i>Keratella</i> spp.	*			
<i>Notholca</i> spp.	.			
<i>Pleosoma trunca turn</i>	*			
<i>Polyarthra</i> spp.	*			
<i>Synchaeta pectinata</i>	.			
<i>Trichocerca</i> s pp.	.			
<i>Trichotria tetractis</i>	*			

Table E18. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for June 1990. Sample taken via Wisconsin tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.27	0.52	395	177
<i>Daphnia retro</i>	3.57	7.31	5438	2645
<i>Daphnia schød</i>	0.54	0.87	703	233
<i>Daphnia thorata</i>	0.02	0.09	55	49
<i>daphnids</i>	0.62	1.8	1211	834
<i>Scapholeberis aurita</i>	0.02		11	0.0
<i>Diaphanosoma birgei</i>	0.02	0.09	55	49
<i>Bosmina longi</i>	0.36	0.44	396	57
<i>Leptodora kindti</i>	0.15	0.12	134	21
Copepoda				
<i>Leptodiaptomus ash</i>	0.27	0.35	308	57
<i>Episura nevadensis</i>	0.07	0.03	48	28
<i>Diacyclops bicus thorn</i>	1.83	2.67	2248	594
<i>Mesocyclops edax</i>	0.25		123	0.0
<i>nauplii</i>	1.72	3.34	2526	1146
Total Daphnia	5.02	10.59	7802	3938.58
Total Cladocera	5.57	11.24	8398	4009.30
Total Copepoda	2.42	3.05	2727	445.48
Total nauplii	1.72	3.34	2526	1145.51
Grand Total	9.71	17.63	13651	5600.29
Rotifera				
<i>Asplanchna herricki</i>	.	.	.	.
<i>Brachionus quad</i>	*	*	*	*
<i>Kellico ttia longispina</i>	*	*	*	*
<i>Keratella spp.</i>	*	*	*	*
<i>Polyarthra spp.</i>	*	*	*	*
<i>Synchaeta pectinata</i>	.	.	.	.

Table E19. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for June 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>		0.05	23	0.0
<i>Daphnia retro</i>	1.53	2.28	1907	530
<i>Daphnia schød</i>	0.09		47	0.0
<i>Daphnia thora ta</i>	0.14		70	0.0
<i>Daphnid</i>	2.05	0.33	1186	1216
<i>Scapholeberis aurita</i>	0.19	0.14	163	35
<i>Alona quad</i>	0.14		70	0.0
<i>Chydorus spaericus</i>	0.19		93	0.0
<i>Bosmina longi</i>	2.09	1.53	1814	396
<i>Leptodora kindti</i>	0.02	0.0	10	14
Copepoda				
<i>Leptodiatomus ash</i>	0.84	0.98	907	99
<i>Episura nevadensis</i>		0.09	47	0.0
<i>Diacyclops bicus thorn</i>	1.81	2.33	2069	368
<i>Mesocyclops edax</i>	0.14	0.42	279	198
<i>nauplii</i>	5.95	8.14	7045	1549
Total Daphnia	3.81	2.66	3233	813.17
Total Cladocera	6.44	4.33	5383	1492.00
Total Copepoda	2.79	3.82	3302	728.32
Total napulii	5.95	8.14	7045	1548.56
Grand Total	15.18	16.29	15730	784.89
Rotifera				
<i>Brachionus quad</i>	*			
<i>Kellico ttia longispina</i>	*			
<i>Keratella spp.</i>	*			
<i>Polyarthra spp.</i>	*			
<i>Synchae ta pectina ta</i>	.			
<i>Trichotria tetractis</i>	.			

Table E20. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for July 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.53	1.12	824	417
<i>Oaphnia retro</i>	2.09	3.31	2700	863
<i>Daphnia schød</i>	0.53	0.58	556	35
<i>Daphnia thorata</i>	0.22	0.22	223	0.0
<i>Chydorus spaericus</i>	0.03	0.04	36	7
<i>Bosmina longi</i>	0.39	0.49	441	71
<i>Leptodora kindti</i>	0.02	0.02	20	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.39	0.36	374	21
<i>Episura ne vadensis</i>	0.03	0.04	36	7
<i>Oiacyclops bicus thorn</i>	9.82	10.24	10029	297
<i>Mesocyclops edax</i>	0.17	0.27	218	71
<i>nauplii</i>	50.95	55.56	53254	3260
Total Daphnia	3.37	5.23	4303	1315.22
Total Cladocera	3.81	5.78	4800	1393.00
Total Copepoda	10.41	10.91	10657	353.55
Total napulii	50.95	55.56	53254	3259.76
Grand Total	65.17	72.25	68711	5006.32
Rotifera				
<i>Asplanchna priodonta</i>	.	.	.	.
<i>Brachionus quad</i>	.	.	.	.
<i>Yellicottia longispina</i>	.	.	.	.
<i>Keratella</i> spp.	*	.	.	.
<i>Polyarthra</i> spp.	.	.	.	.
<i>Synchaeta pectinata</i>	.	.	.	.

Table E21. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for July 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.06		28	0.0
<i>Daphnia retro</i>	0.17		84	0.0
<i>Daphnia schød</i>	0.01	0.06	33	35
<i>Daphnia thorata</i>	0.01	0.14	75	92
<i>Bosmina longi</i>	0.61	1.31	963	495
<i>Leptodora kindti</i>	0.02	0.0	10	14
Copepoda				
<i>Leptodiptomus ash</i>	0.59	1.56	1074	686
<i>Diacyclops bicus thorn</i>	4.21	4.58	4394	262
<i>nauplii</i>	7.64	3.77	5706	2737
Total Daphnia	0.25	0.2	220	35.36
Total Cladocera	0.86	1.51	1183	459.62
Total Copepoda	4.8	6.14	5468	947.52
Total napulii	7.64	3.77	5706	2736.50
Grand Total	13.32	11.42	12367	1343.50
Rotifera				
<i>Asplanchna herricki</i>	.			
<i>Asplanchna priodonta</i>	.			
<i>Kellicottia longispina</i>	.			
<i>Keratella</i> spp.	*			
<i>Polyarthra</i> spp.	*			
<i>Synchaeta pectinata</i>	*			

Table E22. Mean monthly zooplankton density in Lake Roosevelt at Kettle Falls for August 1990. Sample taken via Clarke-Bumpus.

	# / L ₁	# / L ₂	Mean # / m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.02	0.06	41	28
<i>Daphnia retro</i>	0.01	0.01	12	0.0
<i>Daphnia schød</i>	0.01		6	0.0
<i>Daphnia thorata</i>	0.01	0.01	12	0.0
<i>Alona guttata</i>	0.02	0.02	23	0.0
<i>Chydorus spaericus</i>	0.01	0.04	24	21
<i>Diaphanosoma birgei</i>	0.0	0.0	2	0.0
<i>Sida crystallina</i>	0.04	0.05	46	7
<i>Bosmina longi</i>	0.15	0.13	143	14
<i>Leptodora kindti</i>	0.0	0.0	2	0.0
<i>Streblocerus serri</i>	0.0	0.0	2	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.06	0.06	58	0.0
<i>Episura nevadensis</i>	0.01	0.01	12	0.0
<i>Diacyclops bicus thorn</i>	0.54	0.54	540	0.0
<i>Bryocamptus spp.</i>		0.01	6	0.0
<i>nauplii</i>	1.9	1.67	1786	163
Total Daphnia	0.05	0.08	71	21.21
Total Cladocera	0.27	0.32	313	35.36
Total Copepoda	0.61	0.62	616	7.07
Total nauplii	1.9	1.67	1786	162.63
Grand Total	2.78	2.61	2715	120.21
Rotifera				
<i>Asplanchna priodonta</i>	*			
<i>Brachionus quad</i>	*			
<i>Conochilus unicornis</i>	*			
<i>Euchlanis triquetra</i>	*			
<i>Kellicottia longispina</i>	*			
<i>Keratella</i> spp.	*			
<i>Notholca</i> spp.	*			
<i>Pleosoma truncatum</i>	*			
<i>Polyarthra</i> spp.	*			
<i>Trichocerca</i> spp.	*			

Table E23. Mean monthly zooplankton density in Lake Roosevelt at Gifford for August 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Ceriodaphnia quad</i>	0.0		0.0	0.0
<i>Daphnia gal men</i>	0.04		22	0.0
<i>Oaphnia retro</i>	0.01		6	0.0
<i>Daphnia schød</i>	0.01		3	0.0
<i>Daphnia thorata</i>	0.01		3	0.0
<i>Simocephalus ser</i>	0.0		0.0	0.0
<i>Alona quad</i>	0.0		1	0.0
<i>Sida crystallina</i>	0.03		13	0.0
<i>Bosmina longi</i>	0.09		45	0.0
<i>L eptodora kindti</i>	0.01		3	0.0
<i>lepto nauplii</i>	0.0		1	0.0
Copepoda				
<i>Skistodiptomus ore</i>	0.26		128	0.0
<i>Episura nevadensis</i>	0.01		3	0.0
<i>Diacyclops bicus thorn</i>	0.84		422	0.0
<i>Mesocyclops edax</i>	0.04		22	0.0
<i>nauplii</i>	2.05		1024	0.0
Total Daphnia	0.07		34	0.0
Total Cladocera	0.2		97	0.0
TotalCopepoda	1.15		575	0.0
Total nauplii	2.05		1024	0.0
Grand Total	3.4		1696	0.0
Rotifera				
<i>Conochilus unicornis</i>	.			
<i>Kellico ttia longispina</i>	.			
<i>Keratella</i> spp.	*			
<i>Pleosoma trunca turn</i>	.			
<i>Polyarthra</i> spp.	*			
<i>Trichocerca</i> spp.	.			

Table E24. Mean monthly zooplankton density in Lake Roosevelt at Hunters for August 1990. Sample taken via Clarke-Bumpus.

	#/L₁	#/L₂	Mean #/m³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.15	0.15	151	0.0
<i>Daphnia retro</i>	0.33	0.26	298	49
<i>Daphnia schød</i>	0.01	0.01	11	0.0
<i>Daphnia thora ta</i>	0.03	0.03	32	0.0
<i>Chydorus spaericus</i>	0.02	0.02	22	0.0
<i>Sida crys tallina</i>	0.03	0.03	32	0.0
<i>Bosmina longi</i>	0.16	0.13	146	21
<i>Lep todora kindti</i>	0.06	0.05	57	7
Copepoda				
<i>Leptodiaptomus ash</i>	0.07	0.06	65	7
<i>Skis todia p tomus ore</i>	0.18	0.14	163	28
<i>Episura nevadensis</i>	0.06	0.04	49	14
<i>Diacyclops bicus thorn</i>	4.01	3.49	3754	368
<i>nauplii</i>	4.96	4.24	4599	509
Total Daphnia	0.52	0.45	492	49.50
Total Cladocera	0.79	0.68	749	77.78
Total Copepoda	4.32	3.73	4031	417.19
Total nauplii	4.96	4.24	4599	509.12
Grand Total	10.07	8.65	9379	1004.09
Rotifera				
<i>Asplanchna priodonta</i>	.	.	.	.
<i>Kellico ttia longispina</i>	.	.	.	.
<i>Keratella spp.</i>	.	.	.	.
<i>Polyarthra spp.</i>	*	*	*	*
<i>Trichocerca s pp.</i>	.	.	.	.

Table E25. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for August 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Oaphnia gal men</i>	2.54	0.37	1457	1534
<i>Daphnia retro</i>	0.4	0.28	341	85
<i>Daphnia schød</i>	1.79	0.42	1104	969
<i>Oaphnia thorata</i>	0.58	0.05	312	375
<i>Chydorus spaericus</i>	0.06	0.05	52	7
<i>Diaphanosoma birgei</i>	0.52	0.05	283	332
<i>Bosmina longi</i>		0.05	23	0.0
<i>Lep todora kindti</i>	0.06	0.05	52	7
Copepoda				
<i>Leptodiptomus ash</i>	0.98	0.42	700	396
<i>Skistodiptomus ore</i>	0.06	0.05	52	7
<i>Episura ne vadensis</i>	13.18	7.92	10548	3719
<i>Diacyclops bicus thorn nauplii</i>	1.56	0.37	966	841
	26.82	13.24	20031	9603
Total Daphnia	5.31	1.12	3214	2962.78
Total Cladocera	5.95	1.32	3624	3273.90
Total Copepoda	15.78	8.76	12266	4963.89
Total nauplii	26.82	13.24	20031	9602.51
Grand Total	48.55	23.32	35921	17840.30
Rotifera				
<i>Conochilus unicornis</i>	.	.	.	.
<i>Epiphanes</i> spp.	.	.	.	.
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratella</i> spp.	.	.	.	.
<i>Polyarthra</i> spp.	*	*	*	*
<i>Synchaeta pectinata</i>	.	.	.	.
<i>Trichocerca</i> spp.	.	.	.	.

Table E26. Mean monthly zooplankton density in Lake Roosevelt at Little Falls for August 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia galmen</i>	0.15	0.35	250	141
<i>Daphnia retro</i>	0.24	0.29	266	35
<i>Daphnia schød</i>	0.03	0.04	34	7
<i>Daphnia thorata</i>	0.03	0.02	25	7
<i>Chydorus spaericus</i>	0.3	0.29	296	7
<i>Bosmina longi</i>	0.03	0.02	25	7
Copepoda				
<i>Skis todiap tomus ore</i>	0.33	0.29	311	28
<i>Diacyclops bicus thorn</i>	2.32	2.13	2226	134
<i>Mesocyclops edax</i>	0.75	0.93	842	127
<i>nauplii</i>	9.21	6.71	7962	1768
Total Daphnia	0.45	0.7	575	176.78
Total Cladocera	0.78	1.01	896	162.63
Total Copepoda	3.4	3.35	3379	35.36
Total nauplii	9.21	6.71	7962	1767.77
Grand Total	13.39	11.07	12237	1640.49
Rotifera				
<i>Epiphanes</i> spp.	*			
<i>Kellicottia longispina</i>	.			
<i>Keratella</i> spp.	*			
<i>Notholca</i> spp.	*			
<i>Polyarthra</i> spp.	.			
<i>Synchaeta pectinata</i>	.			
<i>Testudinella</i>	*			

Table E27. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for August 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	2.01	1.61	1810	283
<i>Daphnia retro</i>	1.21	0.49	849	509
<i>Daphnia schød</i>	0.72	0.4	559	226
<i>Daphnia thorata</i>	0.36	0.58	469	156
<i>Sida crys lina</i>	0.0		2	0.0
<i>Bosmina longi</i>	0.04	0.04	45	0.0
<i>Leptodora kindti</i>	0.03	0.02	28	7
Copepoda				
<i>Leptodiaptomus ash</i>	1.52	1.03	1274	346
<i>Episura nevadensis</i>	0.22	0.04	134	127
<i>Diacyclops bicus thorn</i>	3.53	3.4	3464	92
<i>nauplii</i>	10.15	8.98	9566	827
Total Daphnia	4.3	3.08	3687	862.67
Total Cladocera	4.37	3.14	3762	869.74
Total Copepoda	5.27	4.47	4872	565.69
Total nauplii	10.15	8.98	9566	827.31
Grand Total	19.79	16.59	18200	2262.74
Rotifera				
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratella</i> spp.	*	*	*	*
<i>Pleosoma trunca turn</i>	.	.	.	.
<i>Polyarthra</i> spp.	*	*	*	*
<i>Synchaeta pectina ta</i>	.	.	.	.

Table E28. Mean monthly zooplankton density in Lake Roosevelt at Keller Ferry for August 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	2.09	2.01	2046	57
<i>Daphnia retro</i>	1.68	1.41	1549	191
<i>Daphnia schød</i>	2.93	3.56	3242	445
<i>Daphnia thora ta</i>	1.68	2.14	1913	325
<i>Diaphanosoma brachy</i>	0.11	0.05	78	42
<i>Bosmina longi</i>		0.05	23	0.0
<i>Lep todora kindti</i>	0.1	0.12	106	14
Copepoda				
<i>Leptodiaptomus ash</i>	2.67	2.6	2636	49
<i>Skistodiaptomus ore</i>	2.56	0.82	1691	1230
<i>Episura nevadensis</i>	0.15	0.46	301	219
<i>Diacyclops bicus thorn</i>	7.43	7.52	7477	64
<i>Mesocyclops edax</i>	0.88	0.64	758	170
<i>nauplii</i>	43.63	46.92	45275	2326
Total Daphnia	8.38	9.12	8750	523.26
Total Cladocera	8.59	9.34	8957	530.33
Total Copepoda	13.69	12.04	12863	1166.73
Total nauplii	43.63	46.92	45275	2326.38
Grand Total	65.91	68.3	67095	1689.99
Rotifera				
<i>Kellico ttia longispina</i>	.	.	.	.
<i>Kera tella</i> spp.	.	.	.	.
<i>Monostyla lunaris</i>	.	.	.	.
<i>Polyarthra</i> spp.	.	.	.	.
<i>Trichocerca</i> spp.	*	*	*	*

Table E29. Mean monthly zooplankton density in Lake Roosevelt at Sanpoil for August 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#IL ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	1.81	3.18	2498	969
<i>Daphnia retro</i>	1.63	1.13	1379	354
<i>Daphnia schød</i>	2.79	4.06	3429	898
<i>Oaphnia thorata</i>	0.83	1.89	1357	750
<i>Bosmina longi</i>	0.06	0.04	52	14
<i>Leptodora kindti</i>	0.06	0.08	71	14
Copepoda				
<i>leptodiptomus ash</i>	3.78	3.14	3459	453
<i>Episura ne vadensis</i>	0.46	0.17	314	205
<i>Diacyclops bicus thorn</i>	11.21	12.11	11657	636
<i>Mesocyclops edax</i>	0.28	0.25	264	21
<i>nauplii</i>	50.87	59.79	55331	6307
Total Daphnia	7.06	10.26	8663	2262.74
Total Cladocera	7.18	10.38	8786	2262.74
Total Copepoda	15.73	15.67	15694	42.43
Total nauplii	50.87	59.79	55331	6307.39
Grand Total	73.78	85.84	79811	8527.71
Rotifera				
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratella</i> spp.	.	.	.	.
<i>Pleosoma trunca turn</i>	.	.	.	.
<i>Polyarthra</i> spp.	*	*	*	*
<i>Trichocerca</i> spp.	*	*	*	*

Table E30 Mean monthly zooplankton density in Lake Roosevelt at Spring Canyon for August 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	1.76	0.95	1352	573
<i>Daphnia retro</i>	0.05	0.04	44	7
<i>Daphnia schød</i>	3.94	2.96	3448	693
<i>Daphnia thorata</i>	0.9	0.34	622	396
<i>Bosmina longi</i>	0.03	0.08	50	35
<i>Leptodora kindti</i>	0.01	0.01	7	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	7.48	6.44	6961	735
<i>Skis todiap tomus ore</i>	0.6	0.45	529	106
<i>Episura ne vadensis</i>	0.2	0.38	290	127
<i>Diacyclops bicus thorn</i>	5.72	6.03	5874	219
<i>Mesocyclops edax</i>	0.53		264	0.0
<i>nauplii</i>	27.51	30.62	29066	2199
Total Daphnia	6.65	4.29	5466	1668.77
Total Cladocera	6.69	4.38	5523	1663.42
Total Copepoda	14.53	13.3	13918	869.74
Total nauplii	27.51	30.62	29066	2199.10
Grand Total	48.73	48.3	48507	304.06
Rot ifera				
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratella</i> spp.	.	.	.	.
<i>Polyarthra</i> spp.	*	*	*	*

Table E31. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for September 1990. Sample taken via Clarke-Bumpus.

	#/L₁	#/L₂	Mean #/m³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	2.03	2.05	2038	14
<i>Daphnia retro</i>	0.1	0.11	101	7
<i>Daphnia schød</i>	2.25	1.8	2023	318
<i>Daphnia thora ta</i>	0.38	0.61	495	163
<i>Diaphanosoma birgei</i>	1.36	1.29	1328	49
<i>Lep todora kindti</i>	0.01	0.01	6	0.0
Copepoda				
<i>Leptodiptomus ash</i>	0.51	0.54	523	21
<i>Skis todiaptomus ore</i>	11.29	11.49	11387	141
<i>Episura nevadensis</i>	0.13	0.07	99	42
<i>Diacyclops bicus thorn</i>	2.95	3.81	3377	608
<i>Mesocyclops edax</i>	3.36	3.95	3655	417
<i>nauplii</i>	14.07	14.22	14146	106
Total Daphnia	4.76	4.57	4657	134.35
Total Cladocera	6.13	5.87	5991	183.85
Total Copepoda	18.24	19.86	19041	1145.51
Total nauplii	14.07	14.22	14146	106.07
Grand Total	38.44	39.95	39178	1067.73
Rotifera				
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratellaspp.</i>	*	*	*	*
<i>Polyarthra spp.</i>	.	.	.	.

Table E32. Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for September 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia galmen</i>	2.98	3.99	3486	714
<i>Daphnia retro</i>	0.15	0.07	107	57
<i>Daphnia schød</i>	3.07	2.77	2920	212
<i>Daphnia thora ta</i>	0.8	0.79	794	7
<i>Chydorus spaericus</i>	0.03		15	0.0
<i>Oiaphanosoma birgei</i>	0.44	0.26	353	127
<i>Sida ^{ta} crys lina</i>	0.12	0.2	158	57
<i>Bosmina longi</i>	0.24	0.1	168	99
<i>L. eptodora kindti</i>	0.02	0.02	21	0.0
Copepoda				
<i>leptodiaptomus ash</i>	15.81	16.96	16387	813
<i>Skis todiap tomus ore</i>	4.31	2.57	3441	1230
<i>Episura nevadensis</i>	0.77	0.66	714	78
<i>Diacyclops bicus thorn</i>	6.99	8.12	7555	799
<i>Mesocyclops edax</i>	1.5	0.99	1247	361
<i>nauplii</i>	40.36	47.55	43955	5084
Total Daphnia	7	7.62	7307	438.41
Total Cladocera	7.85	8.2	8022	247.49
Total Copepoda	29.38	29.3	29344	56.57
Total napulii	40.36	47.55	43955	5084.10
Grand Total	77.59	85.05	81321	5275.02
Rotifera				
<i>Kellicottia longispina</i>	.			
<i>Keratella</i> spp.	*			
<i>Polyarthra</i> spp.	.			

Table E33 Mean monthly zooplankton density in Lake Roosevelt at Kettle Falls for October 1990. Sample take via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
Ceriodaphnia quad	0.0		2	0.0
Daphnia gal men	0.23	0.2	216	21
Daphnia retro	0.07	0.04	53	21
Daphnia schød	0.03	0.03	29	0.0
Daphnia thorata	0.08	0.04	56	28
Alona quad	0.0		2	0.0
Chydorus spaericus	0.0	0.0	3	0.0
Diaphanosoma birgei	0.0		2	0.0
Sida crystallina	0.0		2	0.0
Bosmina longi	0.02	0.05	36	21
Copepoda				
Skistodiaptomus ore	0.02	0.02	18	0.0
Diacyclops bicus thorn nauplii	0.02	0.03	23	7
	0.15	0.13	142	14
Total Daphnia	0.41	0.31	356	70.71
Total Cladocera	0.43	0.36	401	49.50
Total Copepoda	0.04	0.05	41	7.07
Total nauplii	0.15	0.13	142	14.14
Grand Total	0.62	0.54	584	56.57
Rotifera				
Asplanchna priodonta	.			
Euchlanis triquetra	*			
Euchlanis dilatata	*			
Kellicottia longispina	*			
Keratell spp.	.			
Pleosoma truncatum	.			
Polyarthra spp.	*			
Synchaeta pectinata	.			

Table 34 Mean monthly zooplankton density in Lake Roosevelt at Gifford for October 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	3.38	3.47	3424	64
<i>Daphnia retro</i>	0.7	0.85	772	106
<i>Oaphnia schød</i>	1.46	1.09	1277	262
<i>Oaphnia thorata</i>	1.11	0.77	940	240
<i>Chydorus spaericus</i>	0.07	0.03	51	28
<i>Diaphanosoma birgei</i>	0.07	0.02	43	35
<i>Sida crys tallina</i>	0.03	0.03	34	0.0
<i>Bosmina longi</i>	0.87	0.51	688	255
<i>Leptodora kindti</i>	0.01	0.0	7	7
Copepoda				
<i>Skis todiap tomus ore</i>	0.28	0.23	253	35
<i>Episura nevadensis</i>	0.0	0.05	24	35
<i>Diacyclops bicus thorn</i>	0.21	0.44	324	163
<i>Mesocyclops edax</i>	0.07	0.03	51	28
<i>nauplii</i>	2.3	1.43	1866	615
Total Daphnia	6.65	6.18	6413	332.34
Total Cladocera	7.7	6.77	7236	657.61
Total Copepoda	0.56	0.75	652	134.35
Total nauplii	2.3	1.43	1866	615.18
Grand Total	10.56	8.95	9754	1138.44
Rotifera				
<i>Asplanchna herricki</i>	.	.	.	.
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratella</i> spp.	*	*	*	*
<i>Notholca</i> spp.	*	*	*	*
<i>Monostyla lunaris</i>	*	*	*	*
<i>Polyarthra</i> spp.	*	*	*	*
<i>Trichocerca</i> spp.	*	*	*	*

Table E35 Mean monthly zooplankton density in Lake Roosevelt at Hunters for October 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	2.84	4.17	3501	940
<i>Daphnia retro</i>	0.21	0.07	139	99
<i>Daphnia schød</i>	3.08	5.67	4375	1831
<i>Daphnia thora ta</i>	0.83	1.72	1273	629
<i>Siaphanosoma birgei</i>	0.0	0.07	35	49
<i>Bosmina longi</i>	1.25	1.44	1340	134
<i>Leptodora kindti</i>	0.21	0.13	172	57
Copepoda				
<i>leptodiptomus ash</i>	0.42	1.16	785	523
<i>Skistodiptomus ore</i>	3.43	4.06	3743	445
<i>Episura nevadensis</i>	0.1	0.07	87	21
<i>Diacyclops bicus thorn</i>	1	0.84	922	113
<i>Mesocyclops edax</i>	0.0	0.07	35	49
<i>nauplii</i>	4.77	3.68	4225	771
Total Daphnia	6.96	11.63	9288	3302.19
Total Cladocera	8.42	13.27	10835	3429.47
Total Copepoda	4.95	6.2	5572	883.88
Total nauplii	4.77	3.68	4225	770.75
Grand Total	18.14	23.15	20632	3542.60
Rot ifera				
<i>Asplanchna herricki</i>	*			
<i>Kellico ttia longispina</i>	*			
<i>Kera tella</i> spp.	*			
<i>Monostyla lunaris</i>	*			
<i>Pleosoma trunca turn</i>	*			
<i>Polyarthra</i> s pp.	*			
<i>Trichocerca</i> spp.	*			

Table E36 Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for October 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	4.52	2.01	3267	1775
<i>Daphnia schød</i>	6.98	4.47	5723	1775
<i>Daphnia thora ta</i>	0.97	0.18	574	559
<i>Diaphanosoma birgei</i>	0.06	0.04	55	14
<i>Bosmina longi</i>	0.13	0.09	109	28
<i>Leptodora kindti</i>	0.05	0.0	28	35
Copepoda				
<i>Leptodiaptomus ash</i>	5.3	2.15	3721	2227
<i>Skistodiaptomus ore</i>	19.51	8.14	13822	8040
<i>Episura nevadensis</i>	0.06		32	0.0
<i>Diacyclops bicus thorn</i>	3.49	2.1	2795	983
<i>Mesocyclops edax</i>	4.72	2.5	3610	1570
<i>nauplii</i>	22.87	14.75	18810	5742
Total Daphnia	12.47	6.66	9564	4108.29
Total Cladocera	12.71	6.79	9756	4186.07
Total Copepoda	33.08	14.89	23980	12862.27
Total nauplii	22.87	14.75	18810	5741.71
Grand Total	68.66	36.43	52546	22790.05
Rotifera				
<i>Polyarthra</i> spp.	*			

Table E37 Mean monthly zooplankton density in Lake Roosevelt at Little Falls for October 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.16	0.34	249	127
<i>Daphnia schød</i>	0.82	0.92	871	71
<i>Daphnia thorata</i>	0.06	0.05	53	7
<i>Alona guttata</i>	0.02	0.02	21	0.0
<i>Bosmina longi</i>	0.3	0.34	319	28
Copepoda				
<i>leptodiptomus ash</i>	1.18	0.59	883	417
<i>Skis todiap tomus ore</i>	3.22	2.93	3073	205
<i>Oiacyclops bicus thorn</i>	1.06	0.97	1014	64
<i>Mesocyclops edax</i>	0.82	0.77	793	35
<i>nauplii</i>	10.92	11.86	11389	665
Total Daphnia	1.04	1.31	1173	190.92
Total Cladocera	1.36	1.67	1513	219.20
Total Copepoda	6.28	5.26	5763	721.25
Total nauplii	10.92	11.86	11389	664.68
Grand Total	18.56	18.79	18665	162.63
Rotifera				
<i>Asplanchna priodonta</i>			*	
<i>Euchlanis dila ta ta</i>			.	
<i>Kera tella</i> spp.			*	
<i>Monostyla lunaris</i>			.	
<i>Pleosoma trunca turn</i>			.	
<i>Polyarthra</i> spp.			*	
<i>Synchae ta pectina ta</i>			.	
<i>Trichotria tetractis</i>			.	

Table E38 Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for October 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Oaphnia gal men</i>	0.69	0.75	718	42
<i>Oaphnia schød</i>	3.22	2.74	2980	339
<i>Oaphnia thorata</i>	0.14	0.2	172	42
<i>Oaphnia pulicaria</i>	0.36	0.2	280	113
<i>Oiaphanosoma birgei</i>	0.17	0.26	213	64
<i>Bosmina longi</i>	0.64	0.78	709	99
<i>Leptodora kindti</i>	0.0	0.0	4	0.0
Copepoda				
<i>Leptodiaptomus ash</i>	0.69	0.4	545	205
<i>Skis todiap tomus ore</i>	6.83	8.41	7618	1117
<i>Oiacyclops bicus thorn</i>	2.56	2.91	2734	247
<i>Mesocyclops edax</i>	0.47	0.55	511	57
<i>nauplii</i>	6.97	7.08	7026	78
Total Daphnia	4.41	3.89	4150	367.70
Total Cladocera	5.22	4.93	5076	205.06
Total Copepoda	10.55	12.27	11408	1216.22
Total nauplii	6.97	7.08	7026	77.78
Grand Total	22.74	24.28	23510	1088.94
Rotifera				
<i>Kellicottia longispina</i>	*			
<i>Keratella</i> spp.	*			
<i>Polyarthra</i> spp.	*			

Table E39 Mean monthly zooplankton density in Lake Roosevelt at Keller Ferry for October 1990. Sample taken via Wisconsin Tow.

	#/L1	#IL2	Mean #/m ³	± S.D.
Cladocera				
<i>Oaphnia gal men</i>		0.02	9	0.0
<i>Oaphnia schød</i>	0.54	0.36	448	127
<i>Oiaphanosoma birgei</i>	0.05	0.07	63	14
<i>Bosmina longi</i>	0.36	0.29	322	49
Copepoda				
<i>Leptodiptomus ash</i>	0.39	0.54	465	106
<i>Skis todiap tomus ore</i>	1.75	2.08	1915	233
<i>Episura nevadensis</i>	0.02	0.02	18	0.0
<i>Oiacyclops bicus thorn</i>	1.11	1.25	1181	99
<i>Mesocyclops edax</i>	0.05	0.05	54	0.0
<i>nauplii</i>	3.58	3.69	3634	78
Total Daphnia	0.54	0.38	457	113.14
Total Cladocera	0.95	0.74	842	148.49
Total Copepoda	3.32	3.94	3633	438.41
Total nauplii	3.58	3.69	3634	77.78
Grand Total	7.85	8.37	8109	367.70
Rotifera				
<i>Keratella</i> spp.	*			
<i>Polyarthra</i> spp.	*			

Table E40 Mean monthly zooplankton density in Lake Roosevelt at Sanpoil for October 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Oaphnia gal men</i>	0.02		9	0.0
<i>Oaphnia schød</i>	1.13	0.48	806	460
<i>Oaphnia pulicaria</i>	0.07	0.05	63	14
<i>Diaphanosoma birgei</i>	0.02	0.04	27	14
<i>Bosmina longi</i>	0.25	0.2	224	35
Copepoda				
<i>Leptodiptomus ash</i>	0.66	0.45	555	148
<i>Skistodiptomus ore</i>	1.65	1.02	1334	445
<i>Episura nevadensis</i>	0.09	0.05	72	28
<i>Diacyclops bicus thorn</i>	0.98	0.73	859	177
<i>Mesocyclops edax</i>	0.13	0.05	90	57
<i>nauplii</i>	4.12	3.29	3705	587
Total Daphnia	1.22	0.53	878	487.90
Total Cladocera	1.49	0.77	1129	509.12
Total Copepoda	3.51	2.3	2910	855.60
Total nauplii	4.12	3.29	3705	586.90
Grand Total	9.12	6.36	7744	1951.61
Rotifera				
<i>Kellicottia longispina</i>	.			
<i>Keratella</i> spp.	.			
<i>Polyarthra</i> spp.	*			

Table E41 Mean monthly zooplankton density in Lake Roosevelt at Spring Canyon for October 1990. Sample taken via Clarke-Bumpus.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia gal men</i>	0.03	0.03	32	0.0
<i>Daphnia schød</i>	0.85	0.91	879	42
<i>Daphnia thorata</i>	0.01	0.03	23	14
<i>Daphnia pulicaria</i>	0.08	0.07	74	7
<i>Chydorus spaericus</i>	0.01	0.0	3	7
<i>Diaphanosoma birgei</i>	0.08	0.09	82	7
<i>Bosmina longi</i>	0.07	0.06	62	7
Copepoda				
<i>L eptodiaptomus ash</i>	0.44	1.07	756	445
<i>Skistodiaptomus ore</i>	2.88	3.13	3003	177
<i>Episura ne vadensis</i>	0.05	0.03	39	14
<i>Oiacyclops bicus thorn</i>	0.75	0.73	744	14
<i>Mesocyclops edax</i>	0.19	0.18	183	7
<i>nauplii</i>	3.6	3.46	3531	99
Total Daphnia	0.97	1.04	1008	49.50
Total Cladocera	1.13	1.19	1155	72.43
Total Copepoda	4.31	5.14	4725	586.90
Total nauplii	3.6	3.46	3531	98.99
Grand Total	9.04	9.79	9411	530.33
Rotifera				
<i>Kellico ttia longispina</i>	•			
<i>Monostyla lunaris</i>	*			
<i>Polyarthra spp.</i>	*			

Table E42 Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for November 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Daphnia galmen</i>	0.08	0.06	72.45	14.14
<i>Daphnia schød</i>	1.22	1.19	1207.5	21.21
<i>Daphnia thora ta</i>		0.01	2.91	0.00
<i>Alona guttata</i>		0.02	8.05	0.00
<i>Diaphanosoma bergi</i>	0.01		2.91	0.00
<i>Bosmina longi</i>	0.13	0.13	128.8	0.00
<i>Leptodora kindti</i>	0.00	0.00	1.45	0.00
Copepoda				
<i>Leptodiaptomus ash</i>	1.42	1.26	1336.3	113.14
<i>Episura nevadensis</i>	0.05	0.05	48.3	0.00
<i>Oiacyclops bicus thorn</i>	1.26	1.24	1247.75	14.14
<i>Mesocyclops edax</i>	0.03	0.02	24.15	7.07
<i>nauplii</i>	2.42	1.93	2173.5	346.48
Total Daphnia	1.3	1.26	1282.86	28.28
Total Cladocera	1.44	1.41	1424.06	21.21
Total Copepoda	2.75	2.56	2656.5	134.35
Total nauplii	2.42	1.93	2173.5	346.48
Grand Total	6.61	5.9	6254.06	502.05
Rotifera				
<i>Yellicottia longispina</i>	.	.	.	.
<i>Polyarthra</i> spp.	*	*	*	*
<i>Trichocerca</i> spp.	*	*	*	*

Table E43 Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for November 1990. Sample taken via Wisconsin Tow.

	#/L ₁	#/L ₂	Mean #/m ³	± S.D.
Cladocera				
<i>Oaphnia gal men</i>	0.18	0.11	144.9	45.54
<i>Oaphnia schød</i>	0.45	0.43	442.75	11.38
<i>Oaphnia thorata</i>	0.08	0.14	112.7	45.54
<i>Oiaphanosoma birgei</i>		0.02	8.05	0.00
<i>Sida crys lina</i>	0.02		8.05	0.00
<i>Bosmina longi</i>	0.35	0.34	346.15	11.38
Copepoda				
<i>Leptodiptomus ash</i>	2.03	1.82	1923.95	148.0
<i>Skistodiptom ore</i>	0.1		48.3	0.00
<i>Episura nevadensis</i>	0.03	0.03	32.2	0.00
<i>Diacyclops bicus thorn</i>	0.72	0.74	732.55	11.38
<i>Mesocyclops edax</i>	0.03	0.03	32.2	0.00
<i>nauplii</i>	3.99	4.57	4282.6	409.84
Total Daphnia	0.71	0.69	700.35	14.14
Total Cladocera	1.08	1.05	1062.6	21.21
Total Copepoda	2.91	2.62	2769.2	205.06
Total nauplii	3.99	4.57	4282.6	410.12
Grand Total	7.99	8.27	8114.4	176.78
Rotifera				
<i>Kellicottia longispina</i>	*			
<i>Polyarthra</i> spp.	*			
<i>Trichocerca</i> spp.	*			

Table E44. Mean monthly zooplankton density in Lake Roosevelt at Porcupine Bay for December 1990. Sample taken via Wisconsin Tow.

	#/L₁	#/L₂	Mean #/m³	± S.D.
Cladocera				
<i>Daphnia schød</i>	0.45	0.43	442.75	11.38
<i>Alona quad</i>	0.08	0.14	112.7	45.54
<i>Chydorus spa</i>		0.02	8.05	0.00
<i>Bosmina longi</i>	0.35	0.34	346.15	11.38
Copepoda				
<i>Leptodiaptomus ash</i>	2.03	1.82	1923.95	148.0
<i>Diacyclops bicus thorn</i>	0.72	0.74	732.55	11.38
<i>nauplii</i>	3.99	4.57	4282.6	409.84
Total Daphnia	0.17	0.03	24.55	10.54
Total Cladocera	0.16	0.32	239.80	113.42
Total Copepoda	1.03	3.54	2282.60	1777.10
Total nauplii	3.71	13.66	8681.30	7037.55
Grand Total	4.89	17.52	11203.7	8928.07
Rotifera				
<i>Asplanchna herricki</i>	.	.	.	.
<i>Kellicottia longispina</i>	.	.	.	.
<i>Keratella</i> spp.	.	.	.	.
<i>Notholca</i> spp.	*	*	*	*
<i>Pleosoma tru</i>	*	*	*	*
<i>Polyarthra</i> spp.	*	*	*	*
<i>Synchaeta pectinata</i>	.	.	.	.
<i>Trichocerca</i> spp.	*	*	*	*

Table E45 Mean monthly zooplankton density in Lake Roosevelt at Seven Bays for December 1990. Sample taken via Clarke-Bumpus.

	#/L₁	#/L₂	Mean #/m³	± S.D.
Cladocera				
<i>Oaphnia schød</i>	0.47	0.32	394.85	111.94
<i>Oaphnia thorata</i>	0.01	0.00	3.00	4.24
<i>Alona guttata</i>	0.00	0.02	7.70	10.89
<i>Chydorus spa</i>	0.01	0.02	13.70	2.40
<i>Bosmina longi</i>	0.11	0.12	114.75	1.06
Copepoda				
<i>Leptodiptomus ash</i>	0.83	0.85	840.50	9.19
<i>Skis todiap tomus ore</i>	0.10	0.15	125.00	41.01
<i>Episura nevadensis</i>	0.14	0.09	118.20	36.49
<i>Diacyclops bicus thorn</i>	0.97	1.03	998.90	46.53
<i>Mesocyclops edas</i>	0.02	0.02	16.70	1.84
<i>nauplii</i>	5.47	5.97	5719.75	350.37
Total Daphnia	0.48	0.32	397.85	113.14
Total Cladocera	0.61	0.46	534.00	84.85
Total Copepoda	2.06	2.14	2099.30	56.57
Total nauplii	5.47	5.97	5719.75	353.55
Grand Total	8.14	8.57	8353.05	325.27
Rotifera				
<i>Asplanchna herricki</i>	.	.	.	.
<i>Kellico ttia longispina</i>	.	.	.	.
<i>Keratella spp.</i>	*	*	*	*
<i>Polyarthra spp.</i>	.	.	.	.
<i>Synchaeta pectinata</i>	.	.	.	.

Table E46. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 4 for January 1990.

Random X's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	0.70				
	0.8				
	0.84				
	0.88				
	1				
	1				
	1.02				
	1.6				
	1.62				
	1.68				
	1.7				
	1.7				
	1.76				
	1.76				
	1.8				
	1.8				
	1.92				
	1.92				
	2.06				
	2.22				
	2.34				
	2.46				
mean	1.58				
stdev	0.52				
.nw	41.18				
3iomass	3,294				

Table E47. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 6 for January 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	0.6				
	0.64				
	0.7				
	0.82				
	0.86				
	0.86				
	0.9				
	0.92				
	0.96				
	1				
	1.06				
	1.08				
	1.14				
	1.14				
	1.2				
	1.74				
	1.82				
	1.9				
	1.92				
	1.94				
	1.94				
	2.18				
	2.22				
	2.26				
	2.46				
mean	1.37				
stdev	0.59				
Lnw	26.47				
Biomass	1,112				

Table E48. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 4 for February 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	1.08				
mean	1.08				
stdev	0.00				
Lnw	12.66				
Biomass	25				

Table E49. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 6 for February 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	0.7				
mean	0.7				
stdev	0.00				
Lnw	3.30				
Biomass	3				

Table E50. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 4 for March 1990.

Random V's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schrdleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	0.88				
	0.7				
mean	0.79				
stdev	0.13				
Lnw	4.80				
Biomass	5				

Table E51. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 6 for March 1990.

Random U's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	0.85				
	1.15				
mean	1				
stdev	0.21				
Lnw	0.44				
Biomass	0				

Table E52. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 4 for April 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.44	0.44	0.62	0.64		
0.5	0.54	0.64	0.68		
0.54	0.62	0.64	0.7		
0.62		0.64	0.72		
0.62		0.68	0.76		
0.64		0.7	0.77		
0.64		0.7	0.78		
0.64			0.79		
0.68					
0.7					
mean	0.6	0.53	0.66	0.73	
stdev	0.08	0.09	0.03	0.05	
Biomass	0.89	1	2.75	17	0.19

Table E53. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 6 for April 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	0.56				
	0.66				
mean	0.61				
stdev	0.07				
Lnw	2.15				
Biomass	2				

Table E54. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 1 for May 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	0.72				
	0.76				
mean	0.74				
stdev	0.03				
Lnw	6.52				
Biomass	7				

Table E55. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 2 for May 1990.

Random X's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.52	0.52	0.54	0.6	0.58	
0.6		0.56	0.88	0.62	
0.74				0.75	
0.76				0.76	
0.88				0.84	
				0.85	
				0.88	
				0.97	
				1	
				1.06	
				1.08	
				1.15	
				1.2	
				1.26	
				1.5	
				1.54	
				1.6	
				1.6	
				2.05	
				2.12	
mean 0.7	0.52	0.55	0.74	1.17	
stdev 0.14	0	0.01	0.02	0.44	
.nw	0.85	1.56	6.52	0.67	
3iomass	1	3	13	9	

Table E56. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 3 for May 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.58	0.6	0.58	0.56		
0.6	0.92	0.6	0.98		
0.6		0.76	1		
0.76		0.9	1.06		
0.9		0.96	1.22		
0.92		1.2	1.24		
0.96		1.58	1.32		
1.2		1.6	1.46		
1.58		1.6	1.66		
1.6			1.7		
1.6			1.72		
			1.84		
			2		
			2.1		
mean	1.03	0.76	1.09	1.42	
stdev	0.41	0.23	0.42	0.44	
Lnw	4.26	17.34	1.12		
3biomess	4	87	8		

Table E57. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 4 for May 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.68	0.7	0.7	0.68	0.68	0.4
0.7	0.8	0.74	0.84	0.7	0.9
0.7	0.9	0.74	0.92	0.84	0.9
0.74	0.94	0.76	1.02	0.86	1
0.74	1.2	0.8	1.04	0.92	1.04
0.76		0.84	1.06	1.26	1.04
0.8		0.86	1.14	1.32	1.06
0.8		0.88	1.24	1.48	1.16
0.84		0.9		1.48	1.2
0.84		0.9		1.54	1.2
0.86		0.92		1.64	1.28
0.86		0.96		1.68	1.32
0.88		1		1.8	2
0.9		1		2.04	2
0.9		1.02			2.1
0.92		1.04			2.25
0.92		1.06			2.3
0.92		1.08			3.85
0.94		1.1			4
0.96		1.1			
1		1.12			
1		1.14			
1.02		1.14			
1.02		1.16			
1.04		1.16			
1.04		1.3			
1.06		1.32			
1.06		1.34			
1.08		1.36			
1.1		1.36			
1.1		1.38			
1.12		1.5			
1.14		1.5			
1.16		1.56			
1.16		1.6			
1.16		1.6			
1.2		1.62			
1.26		1.62			
1.3		1.64			
1.32		1.64			
1.32		1.68			
1.34		1.68			
1.34		1.7			
1.36		1.7			
1.36		1.74			
1.38		1.8			
1.48		1.92			
1.48		1.94			
1.5					

Table E57 cont.

Random	x's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	1.5					
	1.54					
	1.56					
	1.6					
	1.6					
	1.62					
	1.62					
	1.64					
	1.64					
	1.64					
	1.68					
	1.68					
	1.68					
	1.7					
	1.7					
	1.74					
	1.8					
	1.8					
	1.92					
	1.94					
	2.04					
mean	1.25	0.91	1.26	0.99	1.3	1.63
stdev	0.36	0.19	0.35	0.18	0.44	0.96
.nw		3.64	8.69	9.74	27.44	1.62
biomass		67	304	68	439	16

Table E58. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 5 for May 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.76	0.76	0.8	2.04	0.86	2.08
0.8		0.92			2.25
0.86		1.4			
0.92					
1.4					
2.04					
mean 1.13	0.76	1.04	2.04	0.86	2.165
stdev 0.5	0	0.32	0	0	0.12
Lnw	2.24	4.73	90.93	9.55	3.46
Biomass	0	9	0	0	7

Table E59. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 6 for May 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.46	0.5	0.8	0.56	1.32	0.55
0.5	0.5	0.92	0.6	1.54	0.55
0.52	0.52	1.48	0.6	1.74	0.63
0.56	0.56	1.84	0.66	1.8	0.65
0.56	0.6	1.96	0.68		0.65
0.6	0.62	1.98	0.72		0.67
0.6	0.64		0.8		0.95
0.6	0.88		0.86		1.5
0.62	0.9		0.9		1.74
0.64			0.94		1.75
0.66			1.08		2.1
0.68			1.1		2.3
0.72			1.22		2.3
0.8			1.24		2.4
0.8			1.3		2.8
0.86			1.4		2.9
0.88			1.48		3
0.9			1.54		3
0.9			1.62		3
0.92			1.68		3.1
0.94			1.8		3.6
1.08			1.8		3.8
1.1			1.8		4.2
1.22			1.8		5.2
1.24			1.84		5.6
1.3			1.84		5.8

Table E59 continued

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
1.4			1.84		5.9
1.48			1.84		6
1.48			1.88		6
1.54			1.88		6
1.62			1.98		6.1
1.68			2		6.6
1.8			2		7
1.8					7.1
1.8					7.3
1.8					10.8
1.8					
1.84					
1.84					
1.84					
1.84					
1.84					
1.88					
1.88					
1.98					
1.98					
2					
2					
nean 1.25	0.64	1.5	1.37	1.6	3.715
tdev 0.54	0.15	0.53	0.5	0.22	2.51
.nw	1.42	14.79	26.59	46.24	14.56
liomass	48	340	2,021	231	510

Table E60. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 7 for May 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.6	1.1	0.6	0.78	0.6	
0.62	1.5	0.62	0.9	1.8	
0.68	1.5	0.68	1.2	2.1	
0.68		0.68	1.4	2.2	
0.7		0.7	1.7	3	
0.74		0.74			
0.76		0.76			
0.78		0.78			
0.78		0.78			
0.78		0.8			
0.8		0.84			
0.84		0.86			
0.86		0.9			
0.9		0.9			
0.9		0.9			
0.9		0.9			
0.9		0.9			
0.9		0.9			
0.9		0.92			
0.92		0.96			
0.96		0.96			
0.96		0.98			
0.98		1.02			
1.02		1.06			
1.06		1.1			
1.1		1.12			
1.1		1.16			
1.12		1.2			
1.16		1.22			
1.2		1.22			
1.2		1.22			
1.22		1.22			
1.22		1.24			
1.22		1.26			
1.22		1.26			
1.24		1.28			
1.26		1.28			
1.26		1.28			
1.28		1.3			
1.28		1.32			
1.28		1.36			
1.3		1.44			
1.32		1.56			
1.36		1.56			
1.44		1.56			
1.5		1.6			
1.5		1.6			
1.56		1.64			

Table 60. cont.

Random #s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
1.56		1.7			
1.56		1.7			
1.6		1.78			
1.6		1.8			
1.64		1.94			
1.7		2.06			
1.7		2.06			
1.7		2.08			
1.78					
1.8					
1.8					
1.94					
2.06					
2.06					
2.08					
mean 1.22	1.37	1.2	1.2	1.94	
stdev 0.39	0.23	0.39	0.37	0.87	
Lnw	11.13	17.6	22.08	2.58	
Biomass	56	1,232	44	8	

Table E61. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 8 for May 1990.

Random #s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.6	0.8	0.6	0.96	0.5	
0.68		0.68	1.02	2	
0.7		0.7	1.52	2.3	
0.7		0.7		2.5	
0.72		0.72		3.5	
0.74		0.74		4.25	
0.74		0.74		4.25	
0.74		0.74			
0.74		0.74			
0.76		0.76			
0.8		0.8			
0.82		0.82			
0.82		0.82			
0.9		0.9			
0.9		0.9			
0.9		0.9			
0.9		0.9			
0.92		0.92			
0.92		0.92			
0.96		0.96			

Table 61. cont.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.96		0.96			
0.98		0.98			
1.02		1.02			
1.04		1.04			
1.1		1.1			
1.12		1.12			
1.16		1.16			
1.2		1.2			
1.22		1.22			
1.28		1.28			
1.3		1.3			
1.38		1.38			
1.5		1.5			
1.58		1.58			
1.58		1.58			
1.6		1.6			
1.64		1.64			
1.68		1.68			
1.7		1.7			
1.7		1.7			
1.74		1.74			
1.74		1.74			
1.82		1.82			
1.82		1.82			
1.88		1.88			
1.88		1.88			
1.88		1.88			
1.9		1.9			
1.9		1.9			
1.92		1.92			
1.98		1.98			
2		2			
2		2			
2.08		2.08			
2.1		2.1			
2.16		2.16			
2.2		2.2			
2.26		2.26			
2.32		2.32			
2.38		2.38			
2.58		2.58			
mean	1.39	0.8	1.39	1.17	2.76
stdev	0.55	0	0.55	0.31	1.35
.nw		2.56	27.68	20.73	6.59
Biomass		13	1.1985	601	26

Table E62. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 9 for May 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.6	0.6	0.8	2.1		
0.6	0.64	0.82	2.5		
0.64	0.64	0.94	4		
0.64	0.7	0.96			
0.7	0.74	1.7			
0.74	0.8	1.8			
0.8	0.8				
0.8	0.84				
0.8	0.88				
0.82	0.9				
0.84	0.9				
0.88	0.9				
0.9	0.9				
0.9	0.9				
0.9	0.92				
0.9	0.94				
0.9	0.96				
0.92	0.98				
0.94	1				
0.94	1.08				
0.96	1.1				
0.96	1.1				
0.98	1.14				
1	1.14				
1.08	1.14				
1.1	1.18				
1.1	1.2				
1.14	1.22				
1.14	1.36				
1.14	1.44				
1.18	1.46				
1.2	1.5				
1.22	1.5				
1.36	1.56				
1.44	1.56				
1.46	1.62				
1.5	1.62				
1.5	1.7				
1.56	1.7				
1.56	1.7				
1.62	1.7				
1.62	1.74				
1.7	1.84				
1.7	1.88				
1.7	1.9				
1.7	1.96				
1.7	2				
1.74	2.08				

Table E62. cont.

Random #s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
1.8		2.08			
1.84		2.1			
1.9		2.14			
1.96		2.24			
2					
2.08					
2.08					
2.1					
2.1					
2.14					
2.24					
mean	1.31	0.6	1.33	1.17	2.87
stdev	0.48	0	0.48	0.45	1
Lnw		1.22	24.39	20.88	7.31
Biomass		5	1,341	334	7

Table E63. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 4 for June 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.6	0.54	0.6	0.72	1.2	0.02
0.64	0.7	0.66	0.8	2.32	0.02
0.66	0.7	0.66	0.8	2.4	0.02
0.66	0.84	0.7	0.8	2.46	0.02
0.7	0.84	0.7	0.86	2.58	0.03
0.7	0.86	0.7	0.86	2.6	0.03
0.7	1.1	0.7	0.88	2.62	0.03
0.7	1.94	0.7	0.9		0.03
0.7	1.94	0.72	0.9		1.9
0.72	2	0.74	0.94		2.1
0.72	2.1	0.76	0.94		2.4
0.76		0.76	1.04		2.4
0.76		0.78	1.1		2.4
0.78		0.8	1.18		2.5
0.8		0.88	1.22		2.8
0.8		0.9	1.3		2.8
0.84		1.02	1.3		2.8
0.86		1.18	1.96		2.8
0.86		1.24	2.18		2.9
0.88		1.4	2.24		2.9
0.9		1.4	2.3		3
0.9		1.54	2.34		3
1.02		1.64	2.36		3
1.18		1.66	2.38		3.1
1.18		1.72	2.4		3.3
1.24		1.72	2.62		3.4
1.4		1.74	2.62		3.7
1.4		1.76	2.64		3.8
1.54		1.76	2.64		4
1.64		1.8	2.66		4.1
1.66		1.86	2.98		4.2
1.7		1.92			4.3
1.72		1.94			4.8
1.74		1.94			5
1.76		2			6
1.8		2			6.2
1.86		2			7.5
1.9		2.04			7.9
1.92		2.08			9.3
1.94		2.08			
1.94		2.1			
1.94		2.1			
2		2.12			
2		2.14			
2		2.14			
2		2.3			
2.04		2.32			
2.08		2.32			
2.08		2.36			

Table E63. cont.

Random	1's	<i>D. galeaca mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	2.1		2.46			
	2.1		2.5			
	2.1					
	2.12					
	2.14					
	2.14					
	2.24					
	2.3					
	2.32					
	2.32					
	2.34					
	2.36					
	2.36					
	2.4					
	2.46					
	2.64					
mean	1.53	1.23	1.53	1.64	2.31	3.09
stdev	0.64	0.62	0.62	0.78	0.5	2.24
.nw		7.73	15.86	46.28	117.7	8.94
3iomass		3,053	86,247	32,535	64,74	1,198

Table E64. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 6 for June 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.64	1.04	0.64	0.8	0.64	2.5
0.64		0.64	1.64	0.98	4.6
0.64		0.66		1.48	5
0.66		0.7		2.06	5.2
0.7		0.7		2.08	5.5
0.7		0.7			6
0.7		0.76			
0.7		0.76			
0.76		0.8			
0.76		0.82			
0.8		0.82			
0.8		0.88			
0.82		0.88			
0.82		0.88			
0.88		0.96			
0.88		0.96			
0.88		0.96			
0.96		1			
0.96		1.02			
0.96		1.04			
0.98		1.04			
1		1.08			
1.02		1.1			
1.04		1.16			
1.04		1.16			
1.08		1.18			
1.1		1.42			
1.16		1.44			
1.16		1.44			
1.18		1.48			
1.42		1.5			
1.44		1.58			
1.44		1.6			
1.48		1.62			
1.48		1.62			
1.5		1.68			
1.58		1.7			
1.6		1.7			
1.62		1.94			
1.62		2.06			
1.64		2.12			
1.68		2.12			
1.7					
1.7					
1.94					
2.06					
2.06					
2.08					
2.12					

Table E64 continued

Random	#'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
	2.12					
mean	1.21	1.04	1.2	1.22	1.45	4.8
stdev	0.46	0	0.44	0.59	0.64	1.22
Lnw		5	7.37	18.48	35.88	28.97
Biomass		115	14,055	869	2,512	290

Table E65. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 4 for July 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.44	0.44	0.02	0.6	0.44	2.4
0.44	0.58	0.48	0.7	1.38	2.6
0.48	0.6	0.64	0.7	1.4	2.6
0.58	0.66	0.64	0.84	1.42	2.7
0.64	0.7	0.68	0.98	1.5	3
0.68	0.72	0.7	1	1.52	3
0.7	0.74	0.86	1.24	1.6	3.5
0.7	0.78	0.88	1.32	1.64	4
0.7	0.8	0.88	1.46	1.66	4.1
0.7	0.82	1.02	1.6	1.68	4.2
0.74	0.86	1.06	1.7	1.7	
0.78	0.94	1.16	1.7	1.84	
0.8	0.94	1.2	1.84	2.04	
0.82	0.98	1.22	2	2.1	
0.86	1.06	1.28	2	2.28	
0.88	1.2	1.3	2.1	2.56	
0.88	1.26	1.38	2.3	2.62	
0.94	1.28	1.4	2.38		
0.98	1.34	1.4	2.46		
0.98	1.44	1.4			
1.02	1.66	1.4			
1.06	1.7	1.48			
1.06	1.7	1.48			
1.16	1.74	1.48			
1.2	1.8	1.52			
1.2	2	1.52			
1.22	2.04	1.56			
1.28	2.24	1.56			
1.3	2.24	1.58			
1.32	2.28	1.6			
1.4	2.4	1.6			
1.4		1.6			
1.4		1.6			
1.4		1.64			
1.46		1.64			
1.48		1.7			
1.48		1.7			
1.5		1.7			
1.56		1.7			
1.56		1.72			
1.58		1.78			
1.6		1.8			
1.6		1.86			
1.6		1.9			
1.6		1.94			
1.6		1.96			
1.64		2.1			
1.64					

Table E65. cont.

Random #s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schädleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.64	2.4					
1.7	2.4					
1.7	2.44					
1.7	2.44					
1.7	2.5					
1.7	2.62					
1.7						
1.72						
1.8						
1.8						
1.86						
1.9						
1.94						
1.96						
2						
2.04						
2.1						
2.1						
2.3						
2.4						
2.4						
2.4						
2.45						
2.44						
2.44						
2.46						
2.62						
2.62						
2.64						
nean	1.47	1.29	1.51	1.52	1.73	3.21
rtdev	0.58	0.59	0.54	0.6	0.51	0.69
Lnw		8.66	15.25	36.68	56.24	9.89
Biomass		7,136	41,175	20,394	12,542	198

Table E66. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 6 for July 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.5	0.48	0.5	0.56	1.34	0.65
0.56	0.76	0.68	0.96	2.42	0.7
0.68	0.96	0.72	1.04	2.5	0.74
0.72		0.78	1.38		3
0.76		0.94			8
0.78		0.96			
0.94		1			
0.96		1.02			
0.96		1.12			
1		1.18			
1.02		1.18			
1.04		1.3			
1.12		1.64			
1.18		1.68			
1.18		1.7			
1.18		1.96			
1.3		2.18			
1.34		2.24			
1.64		2.24			
1.68		2.26			
1.7		2.34			
1.96		2.4			
2.18					
2.24					
2.24					
2.26					
2.34					
2.4					
2.42					
2.5					
mean	1.43	1.46	0.99	2.09	2.62
stdev	0.64	0.62	0.34	0.65	3.17
.nw	2.05	13.55	9.52	90.77	5.74
biomass	57	1,138	314	6,808	57

Table E67. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 1 for August 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.62	0.68	0.62	0.76	0.82	2.1
0.68	0.74	0.96	2.84	0.9	2.8
0.74	0.76	1.1		1.06	3
0.76	0.8	1.18		1.06	3
0.76	0.84	1.38		1.28	
0.8	0.84			1.46	
0.82	0.86			1.58	
0.84	0.88			1.6	
0.84	0.88			1.6	
0.86	0.88			1.62	
0.88	0.9			1.62	
0.88	0.9			1.8	
0.88	0.92			1.84	
0.9	0.94			2.02	
0.9	1.02			2.02	
0.9	1.2				
0.92	1.26				
0.94	1.26				
0.96	1.26				
1.02	1.3				
1.06	1.32				
1.06	1.34				
1.1	1.4				
1.18	1.4				
1.2	1.48				
1.26	1.52				
1.26	1.68				
1.26	1.68				
1.28	1.8				
1.3	1.8				
1.32	1.8				
1.34	1.8				
1.38	1.84				
1.4	1.84				
1.4	1.86				
1.46	1.94				
1.48					
1.52					
1.58					
1.6					
1.62					
1.62					
1.64					
1.68					
1.68					
1.8					
1.8					
1.8					

Table E67. cont.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.8						
1.8						
1.84						
1.84						
1.84						
1.86						
1.94						
2.02						
2.02						
2.84						
Mean	1.32	1.27	1.05	1.8	1.49	2.73
Stdev	0.45	0.4	0.28	1.47	0.38	0.43
l_{nw}		8.3	4.85	61.69	38.28	6.39
l₃biomass		340	58	370	459	13

Table E68. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 2 for August 1990.

Random I's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
0.6	0.6	0.78	0.7	0.82	0.59	
0.62	0.62	0.8	0.72	1.08	0.6	
0.64	0.64	0.9	1.22	1.66	0.61	
0.64	0.64	1.32		2.04	2	
0.68	0.68	1.4			3.1	
0.7	0.76	1.42			6.1	
0.72	0.78	1.5				
0.76	0.82	1.66				
0.78	0.84					
0.78	0.88					
0.8	0.9					
0.82	0.92					
0.84	0.96					
0.88	1.06					
0.9	1.06					
0.9	1.1					
0.92	1.1					
0.96	1.14					
1.06	1.26					
1.06	1.5					
1.08	1.6					
1.1						
1.1						
1.14						
1.22						
1.26						
1.32						
1.4						
1.42						
1.5						
1.5						
1.6						
1.66						
1.66						
2.04						
mean	1.06	0.95	1.22	0.88	1.4	2.17
stdev	0.36	0.28	0.34	0.29	0.55	2.18
.nw		3.92	7.85	6.71	32.94	3.46
Biomass		86	47	20	99	16

Table E69. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 3 for August 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.42	0.42	0.66	0.8	0.66	0.5
0.6	0.6	0.68	0.94	0.68	0.61
0.66	0.68	0.7	1.44	1.02	0.61
0.68	0.72	0.8	1.82	1.4	1.1
0.68	0.74	0.82	2.4	1.44	1.1
0.7	0.8	0.86		1.6	1.1
0.72	0.82	0.86		1.7	1.1
0.74	0.84	0.88		1.76	1.2
0.8	0.98	0.88		1.82	1.2
0.8	1	0.88		2.16	2.1
0.6	1.04	0.9		2.16	2.1
0.82	1.12	0.92		2.32	2.1
0.82	1.14	0.94		2.46	2.4
0.84	1.34	1.04		2.48	2.7
0.86	1.52	1.12		2.64	2.7
0.86	1.6	1.16		2.72	2.8
0.88	1.7	1.22			3
0.88		1.26			3
0.88		1.28			3
0.9		1.3			3.3
0.92		1.38			4.2
0.94		1.46			4.7
0.94		1.48			4.8
0.98		1.56			5
1		1.6			5
1.02		1.6			5
1.04		1.62			5.1
1.04		1.64			5.2
1.12		1.66			5.3
1.12		1.78			6
1.14		1.78			6.1
1.16		1.8			6.1
1.22		1.86			6.3
1.26		1.9			6.3
1.28		1.9			6.5
1.3		2.26			6.7
1.38		2.3			7
1.4		2.34			7
1.44		2.36			7
1.44		2.48			7.1
1.46		2.5			7.2
1.48					7.3
1.52					7.4
1.56					7.4
1.6					7.4
1.6					7.5
1.6					7.5
1.6					7.6

Table E69. cont.

Random # 's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.62					8	
1.64					8	
1.66					8.1	
1.7					8.1	
1.7					8.8	
1.76					9.3	
1.78						
1.78						
1.8						
1.82						
1.82						
1.86						
1.9						
1.9						
2.16						
2.16						
2.26						
2.3						
2.32						
2.34						
2.36						
2.46						
2.48						
2.48						
2.5						
2.64						
2.72						
nean	1.42	1	1.42	1.48	1.81	4.88
stdev	0.59	0.36	0.54	0.66	0.66	2.59
Lnw		4.57	12.68	33.63	63.58	30.34
Biomass		690	3,779	370	2,035	1,729

Table E70. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 4 for August 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.6	0.72	0.76	0.6	0.72	0.4
0.72	0.78	0.8	0.72	0.76	3
0.72	0.78	0.8	0.8	0.76	3.2
0.72	0.8	1.9	0.86	0.96	3.2
0.76	0.8	1.92	0.92	2.56	3.2
0.76	0.8	2.08	0.92	2.56	3.2
0.76	0.8	2.1	0.92	2.56	3.3
0.78	0.8	2.12	0.92	2.7	3.5
0.78	0.82	2.16	0.94	2.8	3.6
0.8	0.82	2.2	0.94		3.8
0.8	0.82	2.34	0.94		4.4
0.8	0.84	2.36	0.94		6.2
0.8	0.84		1		6.3
0.8	0.84		1.08		6.4
0.8	0.88		1.14		6.7
0.8	0.88		1.2		7
0.8	0.9		1.5		7.3
0.82	0.9		1.68		7.3
0.82	0.96		1.76		7.3
0.82	1.04		1.82		7.8
0.84	1.26		2.12		8.1
0.84	1.38		2.12		8.3
0.84	1.6		2.34		8.5
0.86	1.86		2.4		8.6
0.88	2		2.46		8.9
0.88			2.56		9
0.9			2.62		9
0.9			2.7		9
0.92			2.82		9
0.92			2.96		9.1
0.92			3.4		9.1
0.92					9.1
0.94					9.2
0.94					9.2
0.94					10
0.94					10
0.96					10
0.96					
1					
1.04					
1.08					
1.14					
1.2					
1.26					
1.38					
1.5					
1.6					
1.68					

Table E70. cont.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.76						
1.82						
1.86						
1.9						
2						
2.08						
2.1						
2.12						
2.12						
2.12						
2.16						
2.2						
2.34						
2.34						
2.36						
2.4						
2.46						
2.56						
2.56						
2.56						
2.62						
2.66						
2.7						
2.7						
2.82						
2.96						
3.4						
mean	1.44	1	1.8	1.62	1.83	6.79
rtdev	0.75	0.35	0.62	0.81	0.99	2.64
Lnw		4.49	26.12	44.17	65.14	73.26
Biomass		542	9,807	48,764	20,324	3,810

Table E71. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 5 for August 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.62	0.92	0.62	1.06	1.4	
0.82	0.94	0.82	1.36	1.9	
0.84	0.96	0.84	1.66	2.08	
0.86	0.96	0.86	2.08	2.3	
0.92	1	0.92		2.74	
0.92	1.14	0.96			
0.94	1.2	1.14			
0.96	1.24	1.2			
0.96	1.24	1.2			
0.96	1.26	1.32			
1	1.26	1.32			
1.06	1.28	1.52			
1.14	1.28	1.62			
1.14	1.3	1.64			
1.2	1.34	1.64			
1.2	1.4	1.66			
1.2	1.48	1.76			
1.24	1.48	2			
1.24	1.5	2.3			
1.26	1.52				
1.26	1.52				
1.28	1.54				
1.28	1.66				
1.3	1.72				
1.32	1.74				
1.32	1.8				
1.34	1.9				
1.4	1.9				
1.4					
1.48					
1.48					
1.5					
1.52					
1.52					
1.52					
1.54					
1.62					
1.64					
1.66					
1.66					
1.7					
1.72					
1.74					
1.76					
1.8					
1.9					
1.9					
2					
2.3					

Table E71. continued

Random l's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schrdleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
2.74					
mean 1.38	1.37	1.33	1.54	2.08	
stdev 0.4	0.29	0.45	0.44	0.49	
Lnw	10.22	10.31	38.07	90.48	
Biomass	2,555	2,742	1,293	2,262	

Table E72. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 6 for August 1990.

Random #'s	<i>D. gal mend</i>	<i>D. retroc.</i>	<i>D. schødleri</i>	<i>D. t horata</i>	<i>D. pulicaria</i>	<i>L. kindti</i>
0.6	0.64	0.6	0.8	0.7	1.16	0.64
0.62	0.66	0.62	0.82	0.7	2.26	0.65
0.64	0.68	0.64	0.86	0.92	2.38	0.65
0.64	0.7	0.64	0.86	0.92		2.6
0.64	0.7	0.7	0.86	0.94		2.6
0.66	0.7	0.72	0.88	1.08		2.7
0.68	0.74	0.74	0.88	1.16		2.7
0.7	0.74	0.74	0.88	1.24		2.7
0.7	0.74	0.76	0.9	1.4		2.8
0.72	0.76	0.86	0.94	1.5		3
0.74	0.76	0.88	0.96	1.62		3.2
0.74	0.76	0.9	1	1.7		3.5
0.74	0.78	0.92	1.04	1.94		3.5
0.74	0.78	1	1.1	2		5
0.74	0.78	1.3	1.1	2.04		5.5
0.76	0.8	1.36	1.1	2.16		6.5
0.76	0.8	1.36	1.3	2.24		7
0.76	0.8	1.4	1.48	2.38		
0.76	0.8	1.4	2.1	2.44		
0.78	0.86	1.4	2.28	2.5		
0.78	0.92	1.44	2.64	2.6		
0.78	0.92	1.58	2.76	2.8		
0.8	0.92	1.6		2.9		
0.8	0.96	1.6				
0.8	1	1.64				
0.8	1	2.1				
0.8	1	2.38				
0.82	1.06					
0.86	1.06					
0.86	1.18					
0.86	1.2					
0.86	1.42					
0.88	1.6					
0.88	1.62					
0.88	1.7					
0.88	1.9					
0.9	2.26					
0.92						
0.92						
0.92						
0.92						
0.92						
0.96						
1						
1						
1						
1						
1						
1.04						
1.06						

Table E72. cont.

Random #'s	<i>D. gal mend</i>	<i>D. retroc.</i>	<i>D. schedleri</i>	<i>D. t horata</i>	<i>D. pulicaria</i>	<i>L. kindti</i>	
1.06							
1.1							
1.1							
1.1							
1.16							
1.18							
1.2							
1.24							
1.3							
1.36							
1.4							
1.4							
1.42							
1.44							
1.48							
1.5							
1.58							
1.64							
1.7							
1.9							
2							
2.1							
2.24							
2.28							
2.38							
2.5							
2.6							
2.76							
2.8							
2.9							
mean	1.16	0.99	1.16	1.25	1.73	1.93	3.25
stdev	0.57	0.38	0.48	0.61	0.7	0.67	1.86
Lnw		4.43	6.64	20.01	56.71	76.99	10.22
Biomass		8,018	5,637	11,186	26,597	286	

Table E73. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 7 for August 1990.

Random l's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.6	0.72	0.64	0.6	0.62	1.1
0.7	0.82	0.7	0.64	0.7	2.1
0.7	0.82	0.7	0.7	0.96	2.1
0.72	0.9	0.72	1.02	0.98	2.6
0.72	0.92	0.74	1.06	1.24	3
0.74	0.96	0.76	1.1	1.76	3.1
0.82	1.1	0.82	1.3	1.8	3.1
0.82	1.14	0.86	1.32	1.94	3.2
0.94	1.14	0.94	1.36	2.02	3.2
0.96	1.3	1	1.4	2.22	3.3
0.96	1.32	1.32	1.42	2.24	4
1	1.44	1.34	1.48	2.24	4
1.02	1.46	1.46	1.5	2.3	4
1.06	1.64	1.7	1.5	2.3	4
1.1	1.64	1.74	1.6	2.46	4
1.1	1.66	1.8	1.62	2.5	4
1.14	1.86	1.84	1.72	2.52	4.2
1.3	1.9	1.86	1.74	2.6	4.3
1.3	1.9	1.88	1.74	2.6	4.3
1.32	1.92	2.06	1.78	2.76	4.5
1.32	1.96	2.12	1.78	2.76	4.6
1.34	1.96	2.4	1.82	2.82	4.8
1.34	2	2.48	1.86	2.98	4.8
1.36	2.1		2.04		5
1.4	2.12		2.12		5
1.46	2.2		2.14		5
1.46	2.22		2.2		5
1.48	2.28		2.3		5.2
1.5	2.3		2.36		5.3
1.5	2.32		2.4		5.4
1.6	2.34		2.44		5.5
1.64	2.34		2.64		5.5
1.64	2.36		2.64		5.6
1.66	2.38		2.68		6.1
1.72	2.4		2.78		6.1
1.74	2.4		2.82		6.2
1.74	2.46		2.92		6.2
1.74	2.48		2.98		6.3
1.76					6.7
1.78					6.7
1.84					6.9
1.86					7
1.86					7
1.86					7
1.88					7.1
1.9					7.1
1.9					7.3
1.92					7.5

Table E73. cont.

Random l's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.96					7.6	
1.96					7.6	
2					7.7	
2.04					7.7	
2.06					7.8	
2.1					8	
2.12					8	
2.14					8	
2.22					8.1	
2.22					8.1	
2.24					8.1	
2.3					8.1	
2.3					8.3	
2.3					8.4	
2.3					8.4	
2.34					8.4	
2.34					8.6	
2.36					8.6	
2.36					8.8	
2.38					9	
2.4					9.1	
2.4					9.1	
2.44					9.4	
2.46					9.7	
2.46						
2.48						
2.5						
2.52						
2.6						
2.6						
2.64						
2.68						
2.76						
2.78						
2.82						
2.82						
2.92						
mean	1.81	1.77	1.39	1.83	2.06	6.06
stdev	0.62	0.56	0.6	0.65	0.7	2.1
.nw		19.47	11.63	64.88	87.57	54.07
biomass		39836	18,015	210,341	167,521	5,731

Table E74. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 8 for August 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.7	0.74	0.7	0.6	0.6	2.5
0.76	0.76	0.8	0.92	0.76	3
0.76	0.78	0.8	0.92	1.2	3
0.78	0.8	0.9	1.08	1.4	3
0.8	0.8	1	1.18	1.6	3.1
0.8	0.8	1	1.3	2.12	3.1
0.8	0.84	1.4	1.36	2.14	3.4
0.84	0.86	1.4	1.38	2.16	3.5
0.86	0.86	1.8	1.44	2.22	3.7
0.86	0.86	1.82	1.68	2.24	3.8
0.86	0.88	1.92	1.74	2.26	3.8
0.88	0.94	1.94	1.78	2.26	3.9
0.9	1.02	1.96	1.78	2.26	3.9
0.92	1.06	2.	1.8	2.3	4
0.92	1.08	2.1	1.84	2.32	4
0.94	1.18	2.12	1.86	2.34	4.3
1	1.2	2.22	1.86	2.38	4.5
1.02	1.36	2.4	1.88	2.44	4.6
1.06	1.4		1.9	2.46	4.7
1.08	1.46		1.96	2.76	5
1.08	1.7		1.98		5.1
1.14	1.76		2.06		5.3
1.18	2.16		2.16		6
1.18	2.16		2.2		6
1.2	2.16		2.2		6
1.3	2.18		2.28		6.1
1.36	2.18		2.3		6.1
1.36	2.26		2.48		6.2
1.38	2.3		2.5		6.2
1.4	2.46		2.58		6.4
1.44	2.56		2.68		6.5
1.46			2.7		6.6
1.6			2.84		6.8
1.6			2.88		6.8
1.68			2.92		6.9
1.7			3.32		7
1.74					7
1.76					7.1
1.8					7.7
1.8					7.7
1.84					7.7
1.86					8
1.86					8
1.88					8
1.9					8
1.92					8.2
1.98					8.3
2.06					8.3

Table E74. cont.

Random #’s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schrdleri</i>	<i>D. thorata</i>	<i>L. kindtii</i>	
2.1					8.3	
2.12					8.5	
2.12					9	
2.16					9.5	
2.16						
2.16						
2.18						
2.18						
2.2						
2.2						
2.22						
2.26						
2.28						
2.28						
2.3						
2.32						
2.34						
2.38						
2.4						
2.46						
2.48						
2.5						
2.56						
2.58						
2.68						
2.7						
2.84						
mean	1.67	1.41	1.57	1.95	2.01	5.85
stdev	0.62	0.62	0.57	0.63	0.58	1.93
.nw		10.61	17.22	79.55	82.64	49.08
3iomassr		27003	23,746	272,777	112,142	3,85

Table E75. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 9 for August 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurvs</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.78	0.7	0.96	0.92	1.28	3.4
0.86	0.78	1.32	0.92	1.8	4
0.92	0.82	1.62	0.94	0.96	4.1
0.92	0.86		0.94	2	4.5
0.94	0.96		0.96	2.04	4.7
0.94	1		1	2.06	4.9
0.96	1		1.1	2.06	5
0.96	1.04		1.14	2.08	5.1
1	1.08		1.14	2.1	5.2
1	1.12		1.14	2.16	5.3
1.04	1.22		1.14	2.18	5.5
1.08	1.26		1.16	2.2	6.1
1.1	1.28		1.2	2.22	6.2
1.12	1.28		1.22	2.3	6.2
1.14	1.3		1.32	2.32	6.4
1.14	1.36		1.32	2.5	6.5
1.14	1.4		1.36		6.8
1.14	1.6		1.38		7
1.16	1.7		1.4		7
1.2	1.7		1.42		7.3
1.22	1.92		1.42		8
1.22	1.96		1.42		8
1.3	2		1.54		8
1.32	2.02		1.56		8.2
1.32	2.04		1.7		10.2
1.36	2.06		1.74		
1.36	2.1		1.78		
1.38	2.12		1.78		
1.4	2.12		1.84		
1.4	2.2		1.88		
1.42	2.32		2.1		
1.42	2.32		2.14		
1.42	2.32		2.2		
1.54	2.4		2.26		
1.56	2.4		2.34		
1.6			2.36		
1.7			2.44		
1.7			2.46		
1.74			2.46		
1.78			2.5		
1.78			2.52		
1.8			2.58		
1.84			2.6		
1.88			2.7		
1.96					
1.96					
2					
2					

Table E75. cont.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. ochodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
2.02						
2.04						
2.04						
2.06						
2.06						
2.08						
2.1						
2.12						
2.14						
2.18						
2.2						
2.22						
2.26						
2.3						
2.32						
2.34						
2.36						
2.4						
2.44						
2.46						
2.46						
2.5						
2.5						
2.52						
2.58						
2.6						
2.7						
mean	1.69	1.59	1.3	1.67	2.08	6.14
stdev	0.55	0.55	0.33	0.57	0.27	1.6
lnw		14.91	9.52	48.82	69.9	56
3iomass		20,58	419	168,331	55,18	392

Table E76. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 4 for September 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.73	0.78	1.76	0.8	0.8	2.6
0.78	0.8	2.02	0.96	1.26	4
0.8	0.8		1	1.52	4.1
0.8	0.8		1.12	1.86	4.8
0.8	0.86		1.16	1.88	5.5
0.8	0.94		1.22	1.9	5.8
0.86	1		1.22	2.2	6
0.94	1.04		1.26	2.2	6.3
0.96	1.1		1.3	2.3	7.1
1	1.1		1.3	2.4	7.8
1	1.12		1.36	2.42	8.1
1.04	1.16		1.36	2.52	8.2
1.1	1.16		1.46		a.2
1.1	1.16		2		a.4
1.12	1.2		2.1		9.5
1.12	1.2		2.24		
1.16	1.2		2.3		
1.16	1.26		2.3		
1.16	1.3		2.4		
1.16	1.32		2.4		
1.2	1.32		2.66		
1.2	1.34		2.7		
1.2	1.38		3.4		
1.22	1.4				
1.22	1.4				
1.26	1.54				
1.26	1.64				
1.26	1.72				
1.3	1.8				
1.3	2.02				
1.3	2.04				
1.3	2.42				
1.32	2.66				
1.32	2.68				
1.34					
1.36					
1.36					
1.38					
1.4					
1.4					
1.46					
1.52					
1.54					
1.6					
1.64					
1.72					
1.8					
1.86					

Table E76. cont.

nanaom t-s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.88						
1.9						
2						
2.02						
2.02						
2.04						
2.1						
2.2						
2.2						
2.24						
2.3						
2.3						
2.4						
2.4						
2.4						
2.42						
2.52						
2.66						
2.66						
2.68						
2.7						
3.4						
mean	1.57	1.37	1.89	1.74	1.94	6.43
stdev	0.61	0.5	0.18	0.7	0.52	1.98
Lnw		10.18	30.69	55.54	75.27	63.14
Biomass		20747	3100	112,357	37,259	379

Table E77. Mean monthly *Daphnia spp.* lengths (mm) and species biomass in Lake Roosevelt at Location 6 for September 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.7	0.02	1.04	0.7	1.16	3
0.72	0.22	1.06	0.88	1.24	3.5
0.76	0.72	1.18	0.92	1.74	4.5
0.82	0.76		0.94	1.a	4.5
0.88	0.92		1	1.86	5
0.92	0.94		1.1	1.88	5
0.92	0.98		1.16	1.94	5.1
0.94	1.08		1.28	2.08	5.1
0.94	1.18		1.38	2.1	5.1
0.98	1.2		1.4	2.2	5.1
0.98	1.2		1.5	2.32	5.1
1	1.22		1.6	2.4	5.2
1.06	1.26		1.64	2.5	5.3
1.08	1.26		1.7		5.5
1.1	1.26		1.72		5.8
1.16	1.3		1.84		6
1.16	1.4		1.88		6
1.18	1.4		2.1		6.1
1.2	1.4		2.4		6.2
1.2	1.4		2.6		6.3
1.22	1.44		2.6		6.4
1.24	1.48		2.7		6.4
1.26	1.5		2.72		6.5
1.26	1.52		2.72		6.6
1.26	1.54		2.8		6.7
1.28	1.66		2.9		6.8
1.3	1.84		2.94		7
1.4	2.1				7
1.4	2.16				7
1.4	2.16				7
1.4	2.24				7
1.4	2.58				7
1.48					7.2
1.5					7.3
1.5					7.5
1.52					7.9
1.54					8
1.54					8
1.6					8
1.64					8
1.7					8.2
1.72					8.2
1.72					8.2
1.74					8.2
1.8					8.3
1.84					8.3
1.84					a.4
1.86					8.5

Table E77. cont.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.88					8.8	
1.88					9	
1.94					9.1	
2.08					9.2	
2.1					9.3	
2.16					9.4	
2.16					10	
2.2					10.5	
2.22					11	
2.24					11.1	
2.32					11.1	
2.4						
2.4						
2.5						
2.58						
2.6						
2.6						
2.7						
2.72						
2.8						
2.9						
2.94						
mean	1.63	1.35	1.09	1.82	1.94	7.08
stdev	0.6	0.57	0.08	0.72	0.4	1.79
Lnw		9.84	5.54	63.76	75.43	81.64
Biomass		34302	593	186,179	59,891	1,759

Table E78. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 1 for October 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.6	0.74	0.64	2.86	0.6	
0.64	0.76	0.82		0.76	
0.74	0.8	0.84		0.88	
0.76	0.8	0.9		0.92	
0.76	0.8	0.92		1.04	
0.8	0.86	1		1.64	
0.8	0.86	4		1.68	
0.8	0.88	1.08		2	
0.82	0.9			2.1	
0.84	0.9			2.12	
0.86	0.9				
0.86	0.92				
0.88	0.94				
0.88	0.94				
0.9	1				
0.9	1				
0.9	1.02				
0.9	1.04				
0.92	1.1				
0.92	1.16				
0.92	1.2				
0.94	1.46				
0.96	1.68				
1					
1					
1					
1					
1.02					
1.04					
1.04					
1.08					
1.1					
1.16					
1.2					
1.46					
1.62					
1.64					
1.68					
2.					
2.1					
2.12					
2.86					
mean	1.11	0.99	2.86	1.37	
stdev	0.46	0.22	0	0.59	
Lnw	4.36	3.04	259.19	31.41	
Biomass	942	160	7,517	1,759	

Table E79. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 2 for October 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.02	0.5	0.7	0.74	0.48	2
0.5	0.62	0.7	0.94	0.62	2.5
0.62	0.66	0.7	1.04	0.78	5.2
0.66	0.7	0.74	1.04	0.8	6
0.7	0.72	0.76	1.04	0.86	6.8
0.7	0.74	0.78	1.06	0.9	6.8
0.7	0.74	0.92	1.08	0.9	7.2
0.72	0.74	1.06	1.16	1.06	7.3
0.74	0.76	1.12	1.22	1.08	8.2
0.74	0.78	1.16	1.24	1.1	8.3
0.74	0.82	1.4	1.4	1.16	8.9
0.74	0.86	1.5	1.44	1.18	10
0.76	0.9	1.56	1.46	1.26	
0.76	0.96	1.6	1.56	1.26	
0.78	1	1.7	1.6	1.3	
0.78	1	1.8	1.6	1.44	
0.78	1	1.8	1.64	1.58	
0.8	1.04	1.86	2.6	1.58	
0.82	1.06		2.76	1.66	
0.86	1.08		2.86	1.7	
0.86	1.1			1.72	
0.9	1.12			1.74	
0.9	1.16			1.8	
0.92	1.2			1.8	
0.94	1.2			1.82	
1	1.24			1.92	
1	1.4			1.96	
1.04	1.4			2.06	
1.04	1.44			2.18	
1.04	1.46			2.52	
1.06	1.54				
1.06	1.58				
1.08	1.66				
1.08	1.84				
1.1	1.86				
1.12	2				
1.16	2.02				
1.2					
1.2					
1.24					
1.26					
1.26					
1.4					
1.4					
1.4					
1.44					
1.46					
1.54					

Table E79. cont.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.56						
1.58						
1.6						
1.6						
1.64						
1.66						
1.66						
1.7						
1.7						
1.72						
1.74						
1.8						
1.8						
1.82						
1.84						
1.86						
1.92						
1.96						
2						
2.06						
2.18						
2.52						
2.6						
2.76						
mean	1.27	1.13	1.21	1.47	1.41	6.6
stdev	0.53	0.4	0.44	0.6	0.5	2.4
.nw		6.22	7.69	33.21	33.38	67.79
biomass		21297	5,937	42,409	31,377	475

Table E80. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 3 for October 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schrdleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.76	0.76	0.76	0.88	0.8	0.6
0.78	0.78	0.9	1.06	0.82	0.7
0.8	0.8	1.32	1.08	1	0.8
0.8	0.8	1.82	1.1	1	1
0.8	0.88	1.84	1.16	1.6	1.2
0.82	0.9		1.28	1.62	1.2
0.88	0.9		1.4	1.64	1.3
0.88	0.92		1.4	1.66	1.5
0.9	0.94		1.4	1.7	1.8
0.9	0.96		1.42	1.8	1.8
0.92	1		1.46	1.82	2
0.94	1.04		1.68	1.9	3.9
0.96	1.06		2	1.92	5
1	1.06		2.02	1.92	5.2
1	1.08		2.36	2.04	5.3
1	1.1		2.4	2.08	6
1.04	1.12		2.42	2.28	6
1.06	1.12		2.44	2.28	6.4
1.06	1.26		2.5	2.3	7
1.06	1.4		2.5	2.58	7.2
1.08	1.54		2.54	2.64	7.2
1.08	1.6		2.56		7.8
1.1	1.62		2.6		7.9
1.1	1.92		2.6		7.9
1.12			2.74		8
1.12			2.8		a
1.16					a
1.26					a
1.28					8
1.4					a
1.4					8
1.4					a.2
1.4					a.3
1.42					8.4
1.46					8.6
1.54					a.9
1.6					9
1.6					9
1.62					9
1.64					9
1.66					9.1
1.68					9.1
1.7					9.2
1.8					9.2
1.82					9.5
1.9					9.7
1.92					9.8
1.92					9.8

Table E80. cont.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schrdleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
1.92					10.1
2					
2.02					
2.04					
2.08					
2.28					
2.28					
2.3					
2.36					
2.4					
2.42					
2.44					
2.5					
2.5					
2.54					
2.56					
2.58					
2.6					
2.6					
2.64					
2.74					
2.8					
neon 1.6	1.11	1.33	1.92	1.78	6.46
stdev 0.63	0.3	0.5	0.64	0.53	3.12
.nw	5.87	10.17	74.79	60.7	64.05
biomass	20,551	1,414	327,206	77,271	11,017

Table E81. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 4 for October 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schrdleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.74	0.8	0.74	0.8	3	
0.8	0.82	0.94	1.2	3.2	
0.8	0.88	0.96	1.2	4	
0.82	0.96	0.98	2	4.1	
0.88	0.98	1	2	4.3	
0.94	1	1.08	2.06	4.6	
0.96	1.06	1.16		5	
0.96	1.1	1.18		5	
0.98	1.14	1.2		5.1	
0.98	1.2	1.3		5.2	
1	1.2	1.34		8	
1	1.2	1.34			
1.06	1.28	1.36			
1.08	1.34	1.36			
1.1	1.4	1.42			
1.14	1.6	1.5			
1.16	1.8	1.54			
1.18	1.82	1.58			
1.2	1.96	1.68			
1.2	2	1.84			
1.2	2.08	1.86			
1.2	2.38	1.88			
1.2		1.94			
1.2		1.96			
1.28		2.32			
1.3		2.52			
1.34		2.54			
1.34		2.56			
1.34		2.84			
1.36		3.12			
1.36					
1.4					
1.42					
1.5					
1.54					
1.58					
1.6					
1.68					
1.8					
1.82					
1.84					
1.86					
1.88					
1.94					
1.96					
2					
2.06					
2.08					

Table E81. cont.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schoedleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
2.32					
2.38					
2.52					
2.54					
2.56					
2.84					
3.12					
mean 1.5	1.36	1.63	1.54	4.68	
stdev 0.56	0.46	0.61	0.54	1.33	
Lnw	10.01	45.76	42.19	27.1	
Biomass	32,703	261,884	24,217	759	

Table E82. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 5 for October 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.76	0.76	0.9	0.76		
0.82	0.82	0.92	1.6		
0.82	0.82	0.92	1.76		
0.88	0.88	0.98	2		
0.9	1	0.98			
0.92	1.24	1			
0.92	1.26	1			
0.98	1.7	1			
0.98	1.72	1.04			
1	1.8	1.1			
1	1.92	1.1			
1		1.1			
1		1.18			
1.04		1.18			
1.1		1.2			
1.1		1.2			
1.1		1.24			
1.18		1.24			
1.18		1.5			
1.2		1.52			
1.2		1.52			
1.24		1.52			
1.26		1.52			
1.28		1.54			
1.5		1.64			
1.52		1.7			
1.52		1.8			
1.52		1.8			
1.52		1.82			
1.54		1.86			
1.6		1.96			
1.64		1.96			
1.7		1.96			
1.7		2.14			
1.72					
1.76					
1.8					
1.8					
1.8					
1.82					
1.86					
1.88					
1.92					
1.96					
1.96					
2					
2.14					

Table E82. continued

Random I's		<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindtii</i>
mean	1.38	1.27	1.38	1.53		
stdev	0.4	0.45	0.37	0.54		
Lnw		8.27	27.29	41.27		
Biomass		2,059	23,770	2,187		

Table E83. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 6 for October 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schrdleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.76	0.76	0.9	1.38	1.04	3.2
0.9	0.96	1.16	1.6	1.08	3.6
0.96	0.96	1.16	1.68	1.08	4.3
0.96	0.98	1.2	1.7	1.12	4.7
0.98	1.06	1.2	1.04	1.12	6
1.04	1.1	1.2	1.84	1.14	6.8
1.06	1.18	1.24	1.88	1.2	10.8
1.08	1.26	1.26	2.12	1.36	
1.08	1.3	1.28	2.18	1.56	
1.1	1.36	1.28		1.6	
1.12	1.46	1.28		2.04	
1.12	1.58	1.28		2.16	
1.14	1.68	1.3		2.2	
1.16	1.8	1.3			
1.16	2.12	1.38			
1.18		1.46			
1.2		1.52			
1.2		1.56			
1.2		1.62			
1.2		1.68			
1.24		1.78			
1.26		1.8			
1.26		1.9			
1.28		1.92			
1.28		2			
1.28		2.12			
1.28		2.22			
1.3		2.26			
1.3		2.3			
1.3		2.4			
1.36		2.56			
1.36		2.56			
1.38					
1.38					
1.46					
1.46					
1.52					
1.56					
1.56					
1.58					
1.6					
1.62					
1.68					
1.68					
1.7					
1.78					
1.8					
1.8					

Table E83. cont.

Random I's	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>	
1.84						
1.88						
1.9						
1.92						
2						
2.04						
2.12						
2.12						
2.16						
2.2						
2.22						
2.26						
2.3						
2.4						
2.56						
2.56						
mean	1.52	1.3	1.63	1.8	1.44	5.63
stdev	0.44	0.37	0.47	0.25	0.44	2.61
Lnw		8.93	45.14	62.56	30.79	44.32
Biomass		6,412	134,517	10,760	8,621	177

Table E84. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 7 for October 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.92	1.2	0.92			
0.94	1.52	0.94			
1		1			
1.04		1.04			
1.04		1.04			
1.06		1.06			
1.14		1.14			
1.14		1.14			
1.14		1.14			
1.14		1.14			
1.2		1.2			
1.2		1.2			
1.2		1.2			
1.2		1.2			
1.2		1.22			
1.22		1.26			
1.26		1.48			
1.48		1.5			
1.5		1.56			
1.52		1.6			
1.56		1.62			
1.6		1.66			
1.62		1.66			
1.66		1.8			
1.66		1.8			
1.8		2.04			
1.8		2.26			
2.04		2.3			
2.26		2.34			
2.3		2.42			
2.34		2.44			
2.42		2.52			
2.44		2.54			
2.52		2.6			
2.54		2.64			
2.6		2.7			
2.64					
2.7					
mean	1.63	1.36	1.65		
stdev	0.57	0.23	0.59		
.nw		9.95	46.91		
3iomass		90	21,016		

Table E85. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 8 for October 1990.

Random #'s	<i>D. galeata mendotaa</i>	<i>D. retrocurva</i>	<i>D. pulicaria</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.88	1.8	0.88	2.16		
0.9	1.9	0.9	2.74		
0.96		0.96	2.78		
1.04		1.04			
1.08		1.08			
1.08		1.08			
1.1		1.1			
1.12		1.12			
1.12		1.12			
1.14		1.14			
1.14		1.14			
1.2		1.2			
1.2		1.2			
1.2		1.2			
1.24		1.24			
1.24		1.24			
1.26		1.26			
1.26		1.26			
1.28		1.28			
1.46		1.46			
1.5		1.5			
1.6		1.6			
1.8		1.86			
1.86		1.94			
1.9		2.08			
1.94		2.32			
2.08		2.38			
2.16		2.4			
2.32		2.66			
2.38		2.8			
2.4					
2.66					
2.74					
2.78					
2.8					
mean	1.59	1.85	1.48	2.56	
stdev	0.6	0.07	0.55	0.35	
.nw	21.86	33.72	183.83		
3iomass	197	27,178	11,581		

Table E86. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 9 for October 1990.

Random #'s	<i>D. galeata mandotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
1	1.24	1	1.68	1.2	
1.08	1.4	1.08	1.88	1.44	
1.1	1.7	1.1	1.9	1.48	
1.1	1.98	1.1	1.98	1.54	
1.1	2.1	1.1	2.06	1.78	
1.12	2.34	1.12	2.14	1.9	
1.14		1.14		2.04	
1.16		1.16		2.1	
1.18		1.18		2.12	
1.18		1.18		2.14	
1.2		1.2		2.18	
1.2		1.2		2.4	
1.2		1.2		2.52	
1.2		1.26			
1.26		1.3			
1.3		1.3			
1.3		1.3			
1.3		1.36			
1.36		1.36			
1.36		1.4			
1.4		1.42			
1.42		1.48			
1.44		1.5			
1.48		1.54			
1.48		1.74			
1.5		1.76			
1.54		1.76			
1.68		1.82			
1.74		1.9			
1.76		1.92			
1.76		1.92			
1.78		1.92			
1.82		1.94			
1.9		1.96			
1.9		1.98			
1.92		2.06			
1.92		2.18			
1.92		2.22			
1.94		2.24			
1.96		2.26			
1.98		2.32			
1.98		2.34			
2.04		2.38			
2.06		2.4			
2.06		2.46			
2.1		2.46			
2.1		2.56			
2.12		2.64			

Table E86. cont.

Random #'s	<i>D. galaata mendotaa</i>	<i>D. ro trocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	L. kindti
2.14		2.74			
2.14					
2.18					
2.18					
2.22					
2.24					
2.26					
2.32					
2.34					
2.4					
2.4					
2.46					
2.46					
2.52					
2.56					
2.64					
2.74					
mean	1.77	1.79	1.71	1.94	1.91
stdev	0.48	0.42	0.51	0.16	0.4
.nw		20.19	52.76	75.43	74.24
biomass		646	4,6376	1,735	5,494

Table E87. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 4 for November 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodlari</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.52	0.74	0.52	1.9	3	
0.54	0.8	0.54			
0.68	0.88	0.68			
0.74	1.4	0.74			
0.74	1.52	0.8			
0.8	1.54	0.8			
0.8	1.7	0.82			
0.8		0.82			
0.82		0.82			
0.82		0.84			
0.82		0.84			
0.84		0.84			
0.84		0.86			
0.84		1.02			
0.86		1.02			
0.88		1.06			
1.02		1.1			
1.02		1.1			
1.06		1.12			
1.1		1.2			
1.1		1.26			
1.12		1.3			
1.2		1.34			
1.26		1.5			
1.3		1.7			
1.34		1.72			
1.4		1.9			
1.5		1.9			
1.52		2.36			
1.54		2.66			
1.7		2.84			
1.7		2.92			
1.72					
1.9					
1.9					
1.9					
2.36					
2.66					
2.92					
mean	1.25	1.23	1.28	1.9	3
stdev	0.57	0.4	0.65	0	0
.nw	7.69	21.44	71.54	8.26	
biomass	557.16	25,889.00	208.19	11.98	

Table E88. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 6 for November 1990.

Random #'s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schrdleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.68	0.76	0.68	0.7		
0.7	0.76	0.84	0.8		
0.76	0.78	0.86	0.8		
0.76	0.8	0.9	1.16		
0.78	0.8	0.9	1.2		
0.8	0.88	0.94	1.22		
0.8	0.88	0.96	1.34		
0.8	0.88	0.96	1.5		
0.8	1.14	1.02	1.56		
0.84	1.16	1.04	1.6		
0.86	1.6	1.06	1.62		
0.88	1.84	1.06	1.76		
0.88		1.1	1.8		
0.9		1.12			
0.9		1.14			
0.94		1.16			
0.96		1.16			
0.96		1.26			
1.02		1.42			
1.06		1.66			
1.06		1.68			
1.1		1.7			
1.1		1.7			
1.12		1.76			
1.14		2.58			
1.14		2.6			
1.14		2.64			
1.16		2.7			
1.16		2.76			
1.16		2.8			
1.16		2.82			
1.2					
1.22					
1.26					
1.34					
1.4					
1.5					
1.56					
1.6					
1.62					
1.66					
1.68					
1.7					
1.76					
1.76					
1.8					
1.84					
2.58					
2.6					
2.64					

Table E88. continued

Random #s	<i>D. galeata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
2.7					
2.76					
2.8					
2.94					
mean	1.35	1.02	1.5	1.31	
stdev	0.61	0.36	0.7	0.37	
Lnw	4.76	35.06	27.82		
Biomass	690.03	15,520.97	3,135.67		

Table E89. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 4 for December 1990.

Random #'s	<i>D. galaata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodleri</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.66	0.66				
0.8	0.8				
0.86	0.86				
0.98	0.98				
1.06	1.06				
1.12	1.12				
1.26	1.26				
1.4	1.4				
1.72	1.72				
1.8	1.8				
mean 1.17	1.17				
stdev 0.38	0.38				
Lnw	16.23				
Biomass	398.00				

Table E90. Mean monthly *Daphnia* spp. lengths (mm) and species biomass in Lake Roosevelt at Location 6 for December 1990.

Random #'s	<i>D. galaata mendotae</i>	<i>D. retrocurva</i>	<i>D. schodlari</i>	<i>D. thorata</i>	<i>L. kindti</i>
0.5	0.5	1.82			
0.52	0.52	1.94			
0.68	0.68				
0.86	0.86				
1	1				
1.06	1.06				
1.22	1.22				
1.3	1.3				
1.52	1.52				
1.56	1.56				
1.74	1.74				
1.74	1.74				
1.8	1.8				
1.82	1.84				
1.84	1.84				
1.84	1.9				
1.9	1.9				
1.9	1.96				
1.94	1.96				
1.96	2.06				
1.96	2.12				
2.06	2.12				
2.12	2.22				
2.12	2.24				
2.22	2.36				
2.24	2.4				
2.36	2.4				
2.4	2.4				
2.4	2.58				
2.4	2.66				
2.58	2.68				
2.66	2.76				
2.68	3				
2.76					
3					
mean	1.85	1.85	1.88		
stdev	0.64	0.66	0.08		
.nw	66.65	70.59			
Biomass	26,317.00	212.00			

Table E91 Comparison of Copepoda and Cladocera densities reported at Porcupine Bay (Index Station #4) from May to September 1980, 1982, 1989 and 1990.

	1980 Strober et al. (1980) (#/m ³)	1982 Beckman et al. (1985) (#/m ³)	1989 Peone et al. (1990) (#/m ³)	1990 Present Study (#/m ³)
COPEPODA				
MAY	875	341	3,778	6,004
JUN	691	1,131	12,986	2,727
JUL	1,742	10,752	7,508	10,657
AUG	4,451	17,690	19,328	12,265
SEP	4,275	7,000	33,648	19,041
MEAN	2.407	7.437	15.450	10.139
CLADOCERA				
MAY	8	56	106	238
JUN	682	1,293	10,060	8,398
JUL	1,716	10,258	10,605	4,800
AUG	1,228	2,572	13,745	3,624
SEP	1,772	3,712	13,087	5,991
MEAN	1,081	3,578	9,521	4,610

APPENDIX F
FEEDING HABITS

Table F1 The seasonal food preferences of 2+ kokanee from Lake Roosevelt in Winter, 1990.

KOK(N=14)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
CLADOCERA <i>Daphnia schodleri</i>	2382.8±3275.2	99.81	0.1389±0.2309	97.03	100.00	99.78
EUCOPEPODA Cyclopoidae	3.36±6.18	0.14	0.0001±0.000	0.02	28.57	0.15
DIPTERA Chironomidae larvae	1.0±1.47	0.04	0.0016±0.0059	1.13	50.00	0.06

Table F2 The seasonal food preferences of 1+ kokanee from Lake Roosevelt in Spring, 1990.

KOK (N=1)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	%	($\bar{X} \pm S.D.$)	(%)		
EUCOPEPODA Cyclopoidae	2320±0.00	97.23	0.0089±0.0000	55.63	100.00	31.61
<i>E. nevadensis</i>	18±0.00	0.75	0.0001±0.0000	0.63	100.00	12.67
DIPTERA Chironomidae pupae	44±0.00	1.84	0.0008±0.0000	5.00	100.00	13.36
Chironomidae larvae	1±0.00	0.04	0.0023±0.0000	14.38	100.00	14.30
OTHER: Terrestrial	1±0.00	0.04	0.0009±0.0000	5.63	100.00	13.21
Unidentifiable items	1±0.00	0.04	0.003±0.0000	18.75	100.00	14.85

Table F3 The seasonal food preferences of 2+ kokanee from Lake Roosevelt in the Spring, 1990.

KOK (N=15)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
PESTICHTHYES Fish eggs	0.07±0.26	0.00	0.0001 f0.0002	0.04	6.67	1.42
CLADOCERA						
<i>Daphnia schodleri</i>	1611.2±2065.2	97.19	0.0704f0.0906	63.43	100.00	55.06
<i>Leptodora kindtii</i>	37.47±88.96	2.26	0.0017±0.0052	1.57	26.67	6.44
<i>Chydorus spp.</i>	0.13±0.52	0.01	0.0000f0.0000	0.01	6.67	1.41
EUCOPEPODA						
Cyclopoidea	0.93±3.10	0.06	0.0001±0.0005	0.12	13.33	2.85
<i>E. nevadensis</i>	3.33±12.91	0.20	0.0001 f0.0002	0.04	6.67	1.46
DIPTERA						
Chironomidae pupae	0.07f0.26	0.00	0.0001±0.0001	0.01	6.67	1.41
Chironomidae larvae	2.4f2.90	0.14	0.0006±0.001	0.56	53.33	11.42
HYDRACHNELLAE						
Hydracarina	1.87±6.42	0.11	0.324±0.1167	29.21	20.00	10.42
OTHER:						
Terrestrial	0.07f0.26	0.00	0.0001 f0.0001	0.02	6.67	1.41
Organic detritus	0.20±0.41	0.01	0.0053±0.0143	4.76	20.00	5.24
Unidentifiable items	0.07±0.26	0.00	0.0002±0.0009	0.22	6.67	1.42

Table F4 The seasonal food preferences of 3+ kokanee from Lake Roosevelt in Spring, 1990.

KOK (N=7)						
PREY ITEM	NUMBER		WEIGHT (g)		a x . (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
CLADOCERA						
<i>Daphnia schodleri</i>	1175.9f1437.9	90.77	0.0538f0.0719	93.84	85.71	67.60
<i>Leptodora kindtii</i>	0.71±1.89	0.06	0.0003f0.0007	0.47	14.29	3.71
EUCOPEPODA						
Cyclopoidea	4.0f10.15	0.31	0.0006f0.0014	1.07	28.57	7.49
DIPTERA						
Chironomidae pupae	112.86±298.59	8.71	0.0023±0.006	3.94	14.29	6.74
Chironomidae larvae	0.29±0.49	0.02	0.0003±0.0007	0.57	28.57	7.29
OTHER:						
Terrestrial	1.57±4.16	0.12	0.0000±0.0000	0.00	14.29	3.60
Unidentifiable items	0.14±0.38	0.01	0.0000f0.0000	0.00	14.29	3.58

Table F5 The seasonal food preferences of 0+ kokanee from Lake Roosevelt in Summer, 1990.

KOK (N=1)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
CLADOCERA						
<i>Daphnia schodleri</i>	18.00±0.00	47.37	0.0001 f0.00	0.50	100.00	47.50
<i>Leptodora kindtii</i>	20.00±0.00	52.63	0.0001 f0.00	0.50	100.00	52.50

Table F6 The seasonal food preferences of 2+ kokanee from Lake Roosevelt in Summer, 1990.

KOK (N=6)						
PREY ITEM	NUMBER		WEIGHT (g)		a x . (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
CLADOCERA						
<i>Daphnia schodleri</i>	7716.67±5005.7	99.46	0.488±0.458	98.83	100.00	99.45
<i>Leptodora kindtii</i>	0.50 f1.22	0.01	0.0001 f0.001	0.07	16.67	3.87
DIPTERA						
Chironomidae pupae	24.67±42.39	0.32	0.002 f0.004	0.40	33.33	7.86
Chironomidae larvae	0.33±0.52	0.01	0.0001 f0.004	0.06	33.33	7.71
Tipulid pupae	0	0	0.002 f0.004	6	6.7	3.96
OTHER:						
Terrestrial	0.83 f2.04	0.01	0.002 f0.004	0.31	16.67	3.92

Table F.7 The seasonal food preferences of 2+ kokanee from Lake Roosevelt in Fall, 1990.

KOK (N=2)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
DIPTERA						
Chironomidae pupae	19.00±0.00	100.00	0.142±0.0000	100.00	100.00	100.0

Table F8 The seasonal food preferences of 0+ rainbow from Lake Roosevelt in May, 1990.

PREY ITEM	RBT (N=9)					
	NUMBER		WEIGHT (g)		OCC.	IRI
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)	(%)	(%)
CLADOCERA <i>Daphnia schødleri</i>	301.89±590.36	73.59	0.0125f0.0255	10.79	33.33	20.78
DIPTERA						
Chironomidae pupae	14.56±19.99	3.55	0.0055f0.0107	4.73	77.78	15.19
Chironomidae larvae	8.89f18.03	2.17	0.0017f0.0028	1.46	55.56	10.45
TRICOPTERA Glossosomitidae	0.11±0.33	0.03	0.0002f0.0005	0.14	0.00	0.03
HEMIPTERA Corixidae	0.89f2.32	0.22	0.0009±0.0023	0.78	22.22	4.10
EPHEMEROPTERA Baetidae	0.89±2.03	0.22	0.0011f0.0025	0.96	22.22	4.13
COLEOPTERA Elmidae	0.22±0.67	11.11	0.0002±0.0007	0.19	11.11	2.00
OTHER:						
Terrestrial	81.78±135.85	19.93	0.0537±0.1033	46.18	55.56	21.48
Organic detritus	0.22±0.44	0.05	0.0012±0.0028	1.02	22.22	4.11
Inorganic detritus	0.11±0.33	0.03	0.0073f0.0218	6.25	11.11	3.07
Unidentifiable items	0.78±0.83	0.1 g	0.0320±0.0391	27.49	55.56	14.69

Table F9 The annual food preferences of 1+ rainbow from Lake Roosevelt in May, 1990.

RBT (N=29)						
PREY ITEM	NUMBER		WEIGHT (g)		OC.	IRI
	($\bar{X} \pm S.D.$)	%	($\bar{X} \pm S.D.$)	(%)	(%)	(%)
OESTICHTHYES						
Fish eggs	73.52k371.24	25.18	0.194±0.9729	37.68	17.24	12.49
CLADOCERA						
<i>Daphnia schodleri</i>	57.54±391.89	52.09	<i>0.0098f0.0265</i>	1.91	20.69	11.64
EUCOPEPODA						
Cyclopoidea	0.43±2.08	0.14	0.0000±0.0000	0.00	6.90	1.10
MOLLUSKA						
Lymnaeidae	0.11f0.42	0.04	0.002±0.0099	0.38	6.90	1.14
Planorbidae	0.21±0.79	0.07	<i>0.0005f0.0014</i>	0.09	10.34	1.64
DIPTERA						
Chironomidae pupae	27.55±67.77	9.44	0.0038±0.0071	0.74	51.72	9.65
Chironomidae larvae	20.90±52.87	7.16	0.0156±0.0433	3.02	7.16	9.11
Tipulidae pupae	0.04±0.19	0.01	0.0001±0.0004	0.01	3.45	0.54
Tipulidae larvae	0.04±0.20	0.01	<i>0.0000f0.0000</i>	0.00	3.45	0.54
Simuliidae pupae	0.07±0.37	0.02	<i>0.0001f0.0004</i>	0.01	3.45	0.54
Stratiomyidae	0.03±0.19	0.01	0.0002±0.0011	0.01	3.45	0.54
TRICOPTERA						
Limnephilidae	0.45±1.59	0.15	0.0007±0.0029	0.14	10.34	1.66
Hydropsychidae	0.31±1.34	0.11	0.0003±0.0013	0.07	0.11	1.10
HEMIPTERA						
Corixidae	1.93±7.72	0.64	0.0029±0.0122	0.56	24.14	3.95
PLECOPTERA						
Perlidae	0.04±0.19	0.01	0.0001±0.0004	0.01	3.45	0.54
EPHEMEROPTERA						
Baetidae	5.83±30.05	2.00	0.0013±0.0063	0.24	13.79	2.50
Heptageniidae	0.04±0.19	0.01	<i>0.0001f0.0004</i>	0.01	3.45	0.54
ODONATA						
Zygoptera	<i>0.07f0.38</i>	0.02	<i>0.0001f0.0004</i>	0.02	3.45	0.54
HYDRACHNELLAE						
Hydracarina	0.11±0.42	0.04	0.0001±0.0006	0.02	6.90	1.09
OTHER:						
Terrestrial	6.76f9.49	2.31	0.0203±0.0492	3.95	58.62	10.12
Organic detritus	0.55±0.69	0.19	0.2084±0.812	40.47	44.83	13.33
Inorganic detritus	0.31±0.47	0.11	0.0112±0.0254	2.18	31.03	5.19
Unidentifiable items	0.79±0.82	0.27	<i>0.0437f0.0772</i>	8.48	58.62	10.50

Table F10 The seasonal food preferences of 2+ rainbow from Lake Roosevelt in May, 1990.

PREY ITEM	RBT (N=5)					
	NUMBER		WEIGHT (g)		OC.	IRI
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)	(%)	(%)
CLADOCERA						
<i>Daphnia schadleri</i>	1044.4±963.69	97.05	0.042f0.0626	13.87	60.00	24.42
<i>Leptodora kindtii</i>	0.80f1.79	0.07	0.0003±0.0007	0.10	20.00	2.88
DIPTERA						
Chironomidae pupae	0.40±0.55	0.04	0.0007±0.0010	0.22	40.00	5.75
Chironomidae larvae	3.40±7.06	0.32	0.0015±0.0033	0.51	40.00	5.83
Tipulidae pupae	0.20±0.45	0.02	0.0005±0.0010	0.15	20.00	2.88
HYDRACHNELLAE						
Hydracarina	3.40±7.60	0.32	0.0007f0.0016	0.23	20.00	2.94
OTHER:						
Terrestrial	21.40±17.76	1.99	0.1118±0.0804	36.91	100.00	19.84
Organic detritus	1.00±0.00	0.09	0.0508±0.0382	16.78	100.00	16.70
Inorganic detritus	0.20f0.45	0.02	0.0266±0.0594	8.78	20.00	4.11
Unidentifiable items	1.00±0.71	0.09	0.0680±0.6669	22.45	80.00	14.65

Table F11 The seasonal food preferences of 3+ rainbow from Lake Roosevelt in May, 1990.

PREY ITEM	RBT(N=5)					
	NUMBER		WEIGHT (g)		ax.	IRI
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)	(%)	(%)
OESTICHTYES						
Fish eggs	0.20±0.45	0.02	0.0000±0.001	0.21	20.00	3.49
CLADOCERA						
<i>Daphnia schadleri</i>	838.60±1166.20	96.75	0.037±0.049	28.32	60.00	31.91
DIPTERA						
Chironomidae pupae	1.20±1.64	0.14	0.001±0.002	1.11	60.00	10.56
Chironomidae larvae	0.60±1.34	0.07	0.0000±0.0000	0.00	20.00	3.46
Simuliidae pupae	0.60±1.34	0.07	0.001±0.001	0.46	20.00	3.54
HYDRACHNELLAE						
Hydracarina	2.80±5.72	0.32	0.0000±0.0000	0.12	40.00	6.97
LEPIDOPTERA						
Pyralidae	0.20±0.45	0.02	0.0000±0.0000	0.06	20.00	3.46
OTHER:						
Terrestrial	21.60±42.88	2.49	0.081±0.163	61.66	60.00	21.41
Organic detritus	0.40±0.55	0.05	0.003f0.005	2.56	40.00	7.35
Inorganic detritus	0.20±0.45	0.02	0.005±0.011	3.80	20.00	4.11
Unidentifiable items	0.40±0.89	0.05	0.002±0.005	1.60	20.00	3.73

Table F12 The seasonal food preferences of 4+ rainbow trout from Lake Roosevelt in May, 1990.

RBT (N=3)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
DIPTERA						
Tabani dae	0.33±0.58	0.33	0.0003±0.0005	0.17	33.33	7.25
OTHER:						
Terrestrial	99.00±170.61	97.38	0.0794±0.1303	0.50	49.78	45.82
Organic detritus	1.00±1.00	0.98	0.0337±0.0292	0.21	21.13	19.02
Inorganic detritus	0.67±0.58	0.66	0.0047±0.0041	0.03	2.95	15.06
Unidentifiable items	0.67±1.15	0.66	0.0414±0.0718	0.26	25.98	12.85

Table F13 The seasonal food preferences of 5+ rainbow trout from Lake Roosevelt in May, 1990.

RBT (N=3)						
PREY ITEM	NUMBER		WEIGHT (g)		ax. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
OESCHTHYES						
Fish eggs	0.33±0.58	5.88	0.001 ±0.001	0.24	33.33	6.23
DIPTERA						
Chironomi dae pupae	1.00±0.00	17.65	0.001 ±0.000	0.31	100.00	18.63
OTHER:						
Terrestrial	0.67±1.15	11.76	0.001 f0.002	0.32	33.33	7.17
Organic detritus	1.33±0.58	23.53	0.274±0.460	81.94	100.00	32.45
Inorganic detritus	0.67±0.58	11.76	0.008f0.008	2.32	66.67	12.75
Unidentifiable items	1.67±0.58	29.41	0.050±0.058	14.83	100.00	22.78

Table F14 The seasonal food preferences of 6+ rainbow from Lake Roosevelt in May, 1990.

RBT (N=2)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
DIPTERA						
Chironomidae pupae	13.00±12.73	11.02	0.0021±0.0025	0.24	100.00	10.68
Chironomidae larvae	3.00±4.24	2.54	0.0014±0.0019	0.16	50.00	5.06
Tipulidae pupae	1.00±1.41	0.85	0.0003±0.0004	0.03	50.00	4.88
Tabanidae	0.50±0.71	0.42	0.0004±0.0006	0.05	50.00	4.84
TRICOPTERA						
Hydropsychidae	1.00±1.41	0.85	0.0003±0.0004	0.03	50.00	4.88
PLECOPTERA						
Perlidae	1.00±1.41	0.85	0.0004±0.0005	0.04	50.00	4.88
Ephemeroptera						
Ephemerellidae	0.50±0.71	0.42	0.0006±0.0008	0.071	50.00	4.85
HYDRACHNELLAE						
Hydracarina	5.00±7.07	4.24	0.0012±0.0017	0.14	50.00	5.22
PYRALIDAE						
Pyralidae	0.50±0.71	0.42	0.0003±0.0004	0.03	50.00	4.84
OTHER:						
Terrestrial	90.00±124.45	76.27	0.6025±0.8010	69.42	100.00	23.58
Organic detritus	0.50±0.71	0.42	0.0111±0.0143	1.28	50.00	4.96
Inorganic detritus	0.50±0.71	0.42	0.0044±0.0062	0.50	50.00	8.88
Unidentifiable items	2.00±1.41	1.69	0.2432±0.1931	28.01	100.00	12.45

Table F15 Time Seasonal food preferences of 0+ rainbow from Lake Roosevelt in August, 1990.

RBT (N=23)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
OESTICHTHYES						
Cottidae	0.52±1.38	0.06	0.002±0.006	0.92	21.74	3.79
Unidentified fish	0.17±0.83	0.02	0.002±0.009	0.87	4.35	0.87
CLADOCERA						
<i>Daphnia schedleri</i>	753.35±1298.26	80.85	0.042±0.059	19.09	73.91	28.98
<i>Leptodora kindtii</i>	150.43±297.74	16.14	0.019±0.047	8.81	43.48	11.41
EUCOPEPODA						
Diaptomus	0.17±0.83	0.02	0.000±0.000	0.00	4.35	0.73
BASOMMATOPHORA						
Lymnadae	3.35±15.62	0.36	0.035±0.166	15.83	13.04	4.87
Planorbidae	0.78±3.75	0.08	0.001±0.004	0.39	4.35	0.80
DIPTERA						
Chironomidae pupae	9.22±31.06	0.99	0.092±0.374	42.27	56.52	16.63
Chironomidae larvae	0.87±2.49	0.09	0.000±0.000	0.02	17.39	2.92
Simuliidae larvae	0.57±2.31	0.06	0.000±0.000	0.05	8.70	1.47
TRICOPTERA						
Leptoceridae	0.04±0.21	0.00	0.000±0.000	0.00	4.35	0.73
HEMIPTERA						
Corixidae	4.26±10.61	0.46	0.004±0.012	1.90	21.74	4.02
ODONATA						
Anisoptera	0.04±0.21	0.00	0.000±0.000	0.00	4.35	0.73
HYDRACHNELLAE						
Hydracarina	0.63±1.30	0.06	0.00±0.000	0.02	17.39	2.91
OTHER:						
Terrestrial	7.32±15.50	0.75	0.009±0.021	3.94	52.17	9.48
Organic detritus	0.18±0.39	0.02	0.001±0.002	0.38	17.39	2.97
Unidentifiable items	0.35±0.49	0.04	0.012±0.036	5.51	34.78	6.72

Table F16 The seasonal food preferences of 1+ rainbow from Lake Roosevelt in August, 1990.

RBT (N=10)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X}\pm$ S.D.)	(%)	($\bar{X}\pm$ S.D.)	(%)		
CLADOCERA						
<i>Daphnia schodleri</i>	63.80±135.46	44.99	0.0043±0.0084	4.82	30.00	18.56
<i>Leptodora kindtii</i>	71.10±204.95	50.14	0.0106±0.0308	11.79	20.00	19.05
DIPTERA						
Chironomidae pupae	1.40±2.80	0.99	0.0003±0.0005	0.29	40.00	9.60
Chironomidae larvae	0.30±0.67	0.21	0.0000±0.0000	0.02	20.00	4.70
TRICOPTERA						
Hydropsychidae	1.80±5.69	1.27	0.0006±0.0017	0.61	10.00	2.76
HEMIPTERA						
Corixidae	0.20±0.63	0.14	0.0001±0.0001	0.04	0.00	0.04
OTHER:						
Terrestrial	2.50±5.87	1.76	0.0562±0.1331	62.41	50.00	26.55
Organic detritus	0.10±0.32	0.07	0.0013±0.0040	1.41	10.00	2.67
Unidentifiable items	0.60±0.70	0.42	0.0167±0.0255	18.60	50.00	16.05

Table F17 The seasonal food preferences of 2+ rainbow from Lake Roosevelt in August, 1990.

RBT (N=8)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X}\pm$ S.D.)	(%)	($\bar{X}\pm$ S.D.)	(%)		
OESTICHTHYES						
Cottidae	0.13±0.35	0.04	0.003±0.008	2.73	12.50	3.49
CLADOCERA						
<i>Daphnia schodleri</i>	314.88±684.49	95.82	0.019±0.042	18.91	62.50	40.51
BASOMMATOPHORA						
Lymnaeidae	2.13±6.01	0.65	0.023±0.064	22.26	12.50	8.09
DIPTERA						
Chironomidae pupae	2.75±7.01	0.84	0.000±0.001	0.43	25.00	6.00
Chironomidae larvae	0.25±0.71	0.08	0.000±0.000	0.01	12.50	2.88
HEMIPTERA						
Corixidae	0.13±0.35	0.04	0.000±0.000	0.15	12.50	2.90
HYDRACHNELLAE						
Hydracarina	0.13±0.35	0.04	0.000±0.000	0.01	12.50	2.87
OTHER:						
Terrestrial	7.63±14.26	2.32	0.039±0.067	38.83	50.00	20.83
Unidentifiable items	0.63±0.92	0.19	0.017±0.025	16.67	37.50	12.42

Table F18 The seasonal food preferences of 3+ rainbow from Lake Roosevelt in August, 1990.

RBT (N=3)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
CLADOCERA						
<i>Daphnia schodleri</i>	99.33±156.72	8.10	0.014±0.0023	1.20	66.67	12.66
<i>Leptodora kindtii</i>	455.67±397.59	37.16	0.0316±0.0406	27.13	66.67	21.83
DIPTERA						
Chironomidae pupae	3.67±5.51	0.30	0.0002±0.0003	0.20	66.67	11.19
Chironomidae larvae	45.33±78.52	3.70	0.0049±0.0084	4.17	33.33	6.87
Simuliidae pupae	4.00±6.93	0.33	0.0004±0.0007	0.34	33.33	5.67
Simuliidae larvae	607.33±1051.9	49.52	0.0744±0.1288	63.78	33.33	24.44
HEMIPTERA						
Corixidae	0.67±1.15	0.05	0.0002±0.0003	0.17	33.33	5.59
OTHER:						
Terrestrial	1.00±17.32	0.82	0.0035±0.0060	2.97	33.33	6.19
Organic detritus	0.33±0.58	0.03	0.0000±0.0001	0.03	33.33	5.56

Table F19 The seasonal food preferences of 4+ rainbow from Lake Roosevelt in August, 1990.

RBT (N=2)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
CLADOCERA						
<i>Chydorus</i> spp.	1.00±1.41	16.67	0.0001 ±0.0001	0.04	100.00	14.59
MOLLUSKA						
Physidae	1.50±2.12	25.00	0.0677±0.0957	53.75	50.00	16.09
DIPTERA						
Chironomidae larvae	0.50±0.71	8.33	0.0001 ±0.0001	0.04	50.00	7.30
Simuliidae larvae	0.50±0.71	8.33	0.0001 ±0.0001	0.04	50.00	7.30
OTHER:						
Terrestrial	1.50±2.12	25.00	0.0030±0.0042	2.38	50.00	9.67
Organic detritus	0.50±0.71	8.33	0.0340±0.0480	26.98	50.00	10.66
Unidentifiable items	0.50±1.71	8.33	0.0211±0.0298	16.77	50.00	9.39

Table F20 The seasonal food preferences of 0+ rainbow from Lake Roosevelt in October, 1990.

RBT (N=1)						
PREY ITEM	NUMBER		WEIGHT (g)		ax. %	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
CLADOCERA						
<i>Daphnia schodleri</i>	101.00±0.00	92.66	0.0001	1.39	100.00	48.51
DIPTERA						
Chironomidae pupae	8.00±0.00	7.34	0.0071	98.61	100.00	51.49

Table F21 The seasonal food preferences of 1+ rainbow from Lake Roosevelt in October, 1990.

RBT (N=24)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
OESTICHTHYES						
Unidentified fish	0.04±0.20	0.00	0.0316±0.1548	9.74	4.17	2.93
CLADOCERA						
<i>Daphnia schodleri</i>	1608.1±2349.9	62.54	0.1269±0.1666	39.10	70.83	36.31
<i>Leptodora kindtii</i>	935.9±985.6	36.40	0.1336±0.1411	41.17	62.50	29.49
EUCOPEPODA						
<i>E. nevadensis</i>	18.42±87.91	0.72	0.0003±0.0017	0.11	4.17	1.05
BASOMMATOPHORA						
Lymnaidae	0.04±0.20	0.00	0.00±0.00	0.00	4.17	0.88
DIPTERA						
Chironomidae pupae	5.25±20.50	0.20	0.0211±0.1013	6.52	33.33	8.43
Chironomidae larvae	0.04±0.20	0.00	0.00±0.00	0.00	4.17	0.88
HEMIPTERA						
Corixidae	1.38±3.45	0.05	0.0012±0.0033	0.38	20.83	4.48
EPHEMEROPTERA						
Baetidae	0.13±0.61	0.00	0.00±0.00	0.00	4.17	0.88
OTHER:						
Terrestrial	1.17±2.70	0.05	0.0015±0.0042	0.45	25.00	5.37
Organic detritus	0.50±0.66	0.02	0.0050±0.0228	1.53	29.17	6.47
Inorganic detritus	0.13±0.34	0.00	0.0031±0.0131	0.91	8.33	1.95
Unidentifiable items	0.13±0.34	0.00	0.0003±0.0013	0.10	4.17	0.90

Table F22 The seasonal food preferences of 2+ rainbow from Lake Roosevelt in October, 1990.

RBT (N=7)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
AMPHIPODA						
Gammarus	0.14±0.38	0.01	0.0074±0.0195	0.47	14.29	3.23
CLADOCERA						
<i>Daphnia schodleri</i>	1231.4±3031.9	62.40	0.0175±0.035	1.11	42.86	23.27
<i>Leptodora kindtii</i>	687.71±1775.0	34.85	0.0677±0.1761	4.27	28.57	14.81
MOLLUSKA						
Physidae	8.71±23.06	0.00	1.404±3.7147	88.64	14.29	22.51
DIPTERA						
Chironomidae pupae	21.29±43.69	1.08	0.0027±0.0068	0.17	24.86	9.65
Chironomidae larvae	0.43±0.79	0.02	0.0000±0.0000	0.00	28.57	6.25
HEMIPTERA						
Corixidae	23.0±60.85	1.17	0.0239±0.0632	1.51	14.29	3.71
OTHER:						
Terrestrial	8.86±15.52	0.45	0.0242±0.0504	1.53	28.57	6.68
Organic detritus	0.43±0.79	0.02	0.0365±0.0960	2.30	28.57	6.76
Unidentifiable items	0.14±0.38	0.01	0.0000±0.0000	0.00	14.29	3.13

Table F23 The seasonal food preferences of 3+ rainbow from Lake Roosevelt in October, 1990.

RBT (N=2)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
CLADOCERA						
<i>Daphnia schodleri</i>	800.00±1414.21	91.77	0.3809±0.1987	40.92	100.00	43.31
<i>Leptodora kindtii</i>	137.50±194.42	7.01	0.02±0.0283	2.15	50.00	10.76
DIPTERA						
Chironomidae pupae	14.00±19.80	0.71	0.2498±0.3532	26.83	50.00	14.10
HEMIPTERA						
Corixidae	9.50±12.02	0.48	0.2562±0.6321	27.52	100.00	23.27
OTHER:						
Organic detritus	0.50±0.71	0.03	0.0240±0.0339	2.58	50.00	9.57

Table F.24 The seasonal food preferences of 1+ walleye from Lake Roosevelt in May, 1990.

RBT (N=17)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
OESTICHTHYES						
Cottidae	0.24±0.44	2.54	0.0484±0.1172	55.25	23.54	23.04
Cyprinidae	0.06±0.24	0.64	0.0179±0.0739	20.45	5.88	7.64
Unidentified fish	0.24±0.44	2.54	0.0099±0.0213	11.35	23.53	10.64
CLADOCERA						
<i>Daphnia schodleri</i>	8.12±33.47	45.42	0.0007±0.0030	0.82	5.88	14.77
DIPTERA						
Chironomidae pupae	4.65±12.93	25.51	0.0013±0.0022	23.53	35.29	17.65
Chironomidae larvae	3.00±8.52	17.90	0.0008±0.0018	35.29	23.53	12.01
Tabanidae	0.29±1.21	1.94	0.0003±0.0011	0.31	5.88	2.30
OTHER:						
Organic detritus	0.18±0.53	1.60	0.0005±0.0014	0.54	11.76	3.94
Inorganic detritus	0.06±0.24	0.64	0.0074±0.0304	8.42	5.88	4.23
Unidentifiable items	0.12±0.33	1.27	0.0004±0.0011	0.44	11.76	3.82

Table F25 The seasonal food preferences of 2+ walleye from Lake Roosevelt in May, 1990.

WE (N=24)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
OESTICHTHYES						
Cottidae	0.17±0.48	4.04	0.0578±0.1733	20.46	12.50	9.76
Percidae	0.21±0.51	5.05	0.1448±0.3941	51.26	16.67	19.25
Unidentified fish	0.71±1.33	17.17	0.0512±0.1496	18.12	37.50	19.20
DIPTERA						
Chironomidae pupae	1.75±6.16	42.42	0.0007±0.0017	0.24	25.00	17.85
Chironomidae larvae	0.42±1.10	10.10	0.0006±0.0014	0.23	20.83	8.22
OTHER:						
Organic detritus	0.17±0.38	4.04	0.0043±0.0155	1.53	16.67	5.87
Inorganic detritus	0.08±0.28	2.02	0.0166±0.0563	5.87	8.33	4.28
Unidentifiable items	0.42±0.65	10.10	0.0062±0.0128	2.02	33.33	12.03

Table F.26 The seasonal food preferences of 3+ walleye from Lake Roosevelt in May, 1990.

WE (N=9)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
OESTICHTHYES						
Cottidae	1.78±2.33		0.1895±0.2849	78.76	55.56	50.71
Unidentified fish	0.11±0.33		0.0278±0.0833	11.54	11.11	7.06
DIPTERA						
Chironomidae pupae	0.56±1.67	16.13	0.0004±0.0011	0.14	11.11	7.47
Chironomidae larvae	0.22±0.67	6.45	0.0003±0.0010	0.13	11.11	4.82
OTHER:						
Organic detritus	0.22±0.44	6.45	0.0021±0.0049	0.89	22.22	8.06
Inorganic detritus	0.22±0.44	6.45	0.0085±0.0182	3.52	22.22	8.78
Unidentifiable items	0.33±0.50	9.68	0.0121±0.0251	5.02	33.33	13.10

Table F27 The seasonal food preferences of 4+ walleye from Lake Roosevelt in May, 1990.

WE (N=18)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
OESTICHTHYES						
Cottidae	0.72±2.14	22.41	0.7210±2.1548	31.40	22.22	20.13
Cyprinidae	0.17±0.71	5.17	0.1656±0.7027	7.21	5.56	4.75
Percidae	0.28±0.57	8.62	1.2486±3.3834	54.38	22.22	22.56
Unidentified fish	1.11±1.78	34.48	0.1177±0.1883	5.13	44.44	22.25
DIPTERA						
Chironomidae pupae	0.17±0.51	5.17	0.0006±0.0019	0.03	11.11	4.32
Chironomidae larvae	0.06±0.24	1.72	0.0002±0.0007	0.01	5.56	1.93
OTHER:						
Organic detritus	0.44±0.62	13.79	0.0299±0.0547	1.30	38.89	14.29
Inorganic detritus	0.06±0.24	1.72	0.0047±0.0200	0.21	5.56	1.98
Unidentifiable items	0.22±0.43	6.90	0.0078±0.0247	0.34	22.22	7.80

Table F28 The seasonal food preferences of 5+ walleye from Lake Roosevelt in May, 1990.

		W		E		
PREY ITEM	NUMBER		WEIGHT (g)		OCC.	IRI
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
OESTICHTHYES						
Percidae	1.00±1.00	60.00	8.8380±26.5140	99.58	66.67	67.88
OTHER:						
Organic detritus	0.33±0.58	20.00	0.0321±0.0556	0.36	33.33	16.11
Inorganic detritus	0.33±0.58	20.00	0.0049±0.0085	0.06	33.33	16.02

Table F29 The seasonal food preferences of 6+ walleye from Lake Roosevelt in May, 1990.

		WE (N=2)				
PREY ITEM	NUMBER		WEIGHT (g)		OCC.	IRI
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)		
Percidae	0.50±0.71	8.33	4.7798±6.7597	44.10	50.00	25.61
Unidentified fish	2.00±2.83	33.33	5.8612±8.2889	54.08	50.00	34.35
Fish eggs						
DIPTERA						
Chironomidae pupae	3.00±4.24	50.00	0.0023±0.0032	0.02	50.00	25.01
OTHER:						
Unidentifiable items	0.50±0.71	8.33	0.1957±0.2768	1.81	50.00	15.03

Table F30 The seasonal food preferences of 0+ walleye from Lake Roosevelt in August, 1990.

PREY ITEM	WE (N=12)					
	NUMBER		WEIGHT (g)		OC.	IRI
	(X±S.D.)	(%)	(X±S.D.)	(%)	(%)	(%)
OESTICHTHYES						
Cottidae	3.83±10.20	8.49	0.0832±0.2102	82.22	50.00	38.38
Unidentified fish	0.42±0.79	0.92	0.0138±0.0278	13.64	25.00	10.79
CLADOCERA						
<i>Daphnia schødleri</i>	33.75±16.91	74.72	0.0026f0.0091	2.59	8.33	23.36
<i>Leptodora kindtii</i>	6.25±21.65	13.84	0.0004f0.0014	0.41	8.33	6.16
DIPTERA						
Chironomidae pupae	0.33±0.89	0.74	0.0000f0.0000	0.02	16.67	4.75
Chironomidae larvae	0.08±0.29	0.18	0.0000f0.0000	0.01	8.33	2.32
OTHER:						
Terrestrial	0.08±0.29	0.18	0.0000f0.0000	0.00	8.33	2.32
Organic detritus	0.33±0.49	0.74	0.0007f0.0015	0.73	33.33	9.49
Unidentifiable items	0.08±0.29	0.18	0.0004f0.0014	0.39	8.33	2.43

Table F31 The seasonal food preferences of 1+ walleye from Lake Roosevelt in August, 1990.

PREY ITEM	WE (N=23)					
	NUMBER		WEIGHT (g)		OC.	IRI
	(X±S.D.)	(%)	(X6. D.)	(%)	%	(%)
OESTICHTHYES						
Catostomidae	0.13±0.46	0.13	0.0129±0.0454	6.33	8.70	4.05
Cottidae	3.17±5.08	3.18	0.1618±0.3205	79.12	52.17	35.96
Percidae	0.04±0.21	0.04	0.0062±0.0295	3.01	4.35	1.98
Unidentified fish	0.17±0.39	0.17	0.0014±0.0048	0.69	17.39	4.88
CLADOCERA						
<i>Daphnia schødleri</i>	11.57±53.31	11.58	0.0007±0.0033	0.34	13.04	6.68
<i>Leptodora kindtii</i>	83.61±253.19	83.68	0.0109±0.0293	5.34	21.74	29.62
DIPTERA						
Chironomidae pupae	0.17±0.65	0.17	0.0044±0.0210	2.15	8.70	2.95
Chironomidae larvae	0.65±2.72	0.65	0.0000±0.0000	0.00	8.70	2.50
OTHER:						
Terrestrial	0.17±0.39	0.17	0.0001 f0.0001	0.03	17.39	4.70
Organic detritus	0.13±0.34	0.13	0.0005f0.0015	0.23	13.04	3.58
Unidentifiable items	0.09±0.29	0.09	0.0057±0.0266	2.77	8.70	3.09

Table F32 The seasonal food preferences of walleye 2+ from Lake Roosevelt in August, 1990.

WE (N=13)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	(X6. D.)	(%)	(X±S.D.)	(%)		
OESTICHTHYES						
Cottidae	4.77±7.53	45.93	0.1713±0.2507	73.07	53.85	51.07
Perci dae	0.08±0.28	0.74	0.0020±0.0072	0.85	7.69	2.74
Unidentified fish	0.23±0.60	2.22	0.0519±0.1862	22.15	15.38	11.75
CLADOCERA						
<i>Leptodora kindtii</i>	4.62±16.64	44.44	0.0011 ±0.0039	0.46	7.69	15.54
DIPTERA						
Chironomidae pupae	0.38±0.77	3.70	0.0004±0.0013	0.18	23.08	7.97
OTHER:						
Organic detritus	0.15±0.38	1.48	0.0009±0.0023	0.39	15.38	5.10
Inorganic detritus	0.08±0.28	0.74	0.0062±0.0225	2.66	7.69	3.28
Unidentifiable items	0.08±0.28	0.74	0.0005±0.0019	0.23	7.69	2.56

Table F33 The seasonal food preferences of 3+ walleye from Lake Roosevelt in August, 1990.

WE (N=6)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	(X±S.D.)	(%)	(X±S.D.)	(%)		
OESTICHTHYES						
Cottidae	0.50±0.55	25.00	0.1965±2.5116	51.32	50.00	39.89
Unidentified fish	1.17±2.40	58.33	1.1128±2.2904	47.72	33.33	44.02
OTHER:						
Organic detritus	0.17±0.41	8.33	0.0031 ±0.0076	0.13	16.67	7.94
Inorganic detritus	0.17±0.41	8.33	0.0193±0.0472	0.83	16.67	8.16

Table F34 The seasonal food preferences of 4+ walleye from Lake Roosevelt in August, 1990.

WE(N=8)						
PREY ITEM	NUMBER		WEI GHT ()		OCC. (%)	IRI (%)
	($\bar{X}\pm S.D.$)	(%)	($\bar{X}\pm S.D.$)	(%)		
OESTICHTHYES						
Cottidae	0.38±1.06	3.16	0.0124±0.0349	0.84	12.50	4.89
Perci dae	0.38±0.74	3.16	0.1200±0.2370	8.16	25.00	10.77
Salmoni dae	0.13±0.35	1.05	1.3197±3.7327	89.99	12.50	30.68
Unidentified fish	0.13±0.35	1.05	0.0003f0.0008	0.02	12.50	4.02
DIPTERA						
Chironomidae pupae	11.71 ±30.55	86.32	0.0021 ±0.0054	0.14	25.00	33.03
OTHER:						
Terrestrial	0.13±0.35	1.05	0.0000±0.0000	0.00	12.50	4.01
Organic detritus	0.38±0.74	3.16	0.0074±0.0192	0.51	25.00	8.49
Unidentifiable items	0.13±0.35	1.05	0.0048±0.0135	0.32	12.50	4.11

Table F35 The seasonal food preferences of 5+ walleye from Lake Roosevelt in August, 1990.

WE (N=3)						
PREY ITEM	NUMBER		WEI GHT (g)		OCC. %	IRI (%)
	($\bar{X}\pm S.D.$)	(%)	($\bar{X}\pm S.D.$)	(%)		
OESTICHTHYES						
Cyprini dae	0.33±0.58	20.00	0.3737±0.6473	20.86	33.33	20.23
Unidentified fish	0.33f0.58	20.00	1.4100±2.4421	78.69	33.33	36.01
OTHER:						
Terrestrial	0.67±0.58	40.00	0.0005±0.0004	0.03	66.67	29.10
Organic detritus	0.33±0.58	20.00	0.0077±0.0133	0.43	33.33	14.66

Table F36 The seasonal food preferences of 0+ walleye from Lake Roosevelt in October, 1990.

WE (N=8)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X}\pm S.D.$)	(%)	($\bar{X}\pm S.D.$)	(%)		
OESTICHTHYES Unidentified fish	0.75±0.71	4.48	0.2318±0.5610	97.39	62.50	45.34
AMPHIPODA Gammarus	0.13±0.35	0.75	0.0027±0.0076	1.13	12.50	3.97
CLADOCERA <i>Daphnia schodleri</i>	15.00±33.49	89.55	0.0006±0.0016	0.24	25.00	31.67
DIPTERA Chironomidae pupae	0.25±0.71	1.49	0.0008±0.0023	0.34	12.50	3.95
Chironomidae larvae	0.25±0.71	1.49	0.000±0.000	0.01	12.50	3.86
OTHER: Unidentifiable items	0.38±0.52	2.24	0.0021±0.0045	0.89	37.50	11.21

Table F37 The seasonal food preferences of 1+ walleye from Lake Roosevelt in October, 1990.

WE (N=16)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X}\pm S.D.$)	(%)	($\bar{X}\pm S.D.$)	(%)		
OESTICHTHYES Cottidae	1.13±4.00	0.69	0.0395±0.1570	10.29	12.50	6.71
Percidae	0.38±0.81	0.23	0.1684±0.4047	43.88	25.00	19.75
Unidentified fish	0.38±0.50	0.23	0.0431±0.0851	11.23	37.50	13.99
CLADOCERA <i>Daphnia schodleri</i>	15.63±62.50	9.52	0.0010±0.0039	0.25	6.25	4.58
<i>Leptodora kindtii</i>	145.63±501.30	88.69	0.0282±0.0905	7.34	12.50	31.01
DIPTERA Chironomidae pupae	0.31±1.01	0.19	0.0001±0.0004	0.03	12.50	3.63
OTHER: Terrestrial	0.38±0.89	0.23	0.0080±0.0266	2.08	18.75	6.02
Organic detritus	0.13±0.34	0.08	0.0077±0.0233	1.99	12.50	4.16
Unidentifiable items	0.25±0.77	0.15	0.0879±0.2585	22.90	12.50	10.16

Table F38 The seasonal food preferences of 2+ walleye from Lake Roosevelt in October, 1990.

WE (N=15)						
PREY ITEM	NUMBER		WEIGHT (g)		ax.	IRI
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)	(%)	(%)
OESTICHTHYES						
Centrachi dae	0.07±0.26	1.89	0.0038f0.0146	0.41	6.67	2.42
Cotti dae	0.07±0.26	1.89	0.0033±0.0127	0.41	6.67	2.40
Perci dae	1.07±1.91	30.19	0.7343±1.6768	92.00	40.00	43.44
Unidentified fish	0.53±0.74	15.09	0.0363f0.0707	4.55	40.00	15.97
CLADOCERA						
<i>Daphnia schodleri</i>	0.13±0.52	3.77	0.0000f0.0001	0.00	6.67	2.80
<i>Leptodora kindtii</i>	0.73±2.84	120.75	0.0001±0.0003	0.01	6.67	7.35
DIPTERA						
Chironomidae pupae	0.27±0.80	7.55	0.0000±0.0001	0.00	13.55	5.59
OTHER:						
Organic detritus	0.60±0.83	16.98	0.0203±0.0537	2.55	46.67	17.73
Unidentifiable items	0.07±0.26	1.89	0.0000±0.0000	0.00	6.67	2.29

Table F39 The seasonal food preferences of 3+ walleye from Lake Roosevelt in October, 1990.

WE (N=7)						
PREY ITEM	NUMBER		WEIGHT (g)		ax.	IRI
	($\bar{X} \pm S.D.$)	(%)	($\bar{X} \pm S.D.$)	(%)	%	(%)
OESTICHTHYES						
Perci dae	1.29±1.38	52.94	0.6242±0.9851	80.72	57.14	58.07
Unidentified fish	0.71±1.50	29.41	0.1424±0.2450	18.42	28.57	23.25
OTHER:						
Organic detritus	0.29±0.49	11.76	0.0000f0.0000	0.00	28.57	12.27
Unidentifiable items	0.14±0.38	5.88	0.0066f0.0175	0.86	14.29	6.40

Table F40 The seasonal food preferences of 4+ walleye from Lake Roosevelt in October, 1990.

WE(N=6)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X}\pm$ S.D.)	(%)	($\bar{X}\pm$ S.D.)	(%)		
OESTICHTHYES						
Percidae	1.83±2.14	25.58	1.5623±2.1285	98.48	66.67	54.49
Unidentified fish	0.17±0.41	2.33	0.0127±0.0310	0.80	16.67	5.66
CLADOCERA						
<i>Leptodora kindtii</i>	4.67±11.43	65.12	0.0008±0.0020	0.05	16.67	23.38
OTHER:						
Organic detritus	0.50±0.55	6.98	0.0106±0.0636	0.67	50.00	16.47

Table F41 The seasonal food preferences of 5+ walleye from Lake Roosevelt in October, 1990.

WE (N=2)						
PREY ITEM	NUMBER		WEIGHT (g)		OCC. (%)	IRI (%)
	($\bar{X}\pm$ S.D.)	(%)	($\bar{X}\pm$ S.D.)	(%)		
OESTICHTHYES						
Percidae	1.50±0.71	100.0	9.1078±10.036	100.0	100.00	10

Table F42 Electivity of kokanee for different size ranges of *Daphnia* spp. at index station 7 on Lake Roosevelt in May, 1990.

<i>Daphnia</i> spp. size ranges (mm)-	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.07	-0.07
0.7-0.9	0.00	0.32	-0.32
1.0-1.2	0.00	0.29	-0.29
1.3-1.5	0.00	0.13	-0.13
1.6-1.8	0.13	0.13	0.00
1.9-2.1	0.63	0.07	0.55
2.2-2.4	0.25	0.00	0.25
2.5-2.7	0.00	0.00	0.00
2.8-3.0	0.00	0.00	0.00
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F43 Electivity of kokanee for different size ranges of *Daphnia* spp. at index station 9 on Lake Roosevelt in May, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.06	-0.06
0.7-0.9	0.00	0.29	-0.29
1.0-1.2	0.11	0.19	-0.09
1.3-1.5	0.16	0.13	0.02
1.6-1.8	0.47	0.17	0.30
1.9-2.1	0.21	0.13	0.08
2.2-2.4	0.05	0.02	0.03
2.5-2.7	0.00	0.00	0.00
2.8-3.0	0.00	0.00	0.00
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F44 Electivity of kokanee for different size ranges of *Daphnia* spp. at index station 7 on Lake Roosevelt in August, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	flectivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.05	-0.05
0.7-0.9	0.00	0.03	-0.03
1.0-1.2	0.00	0.08	-0.08
1.3-1.5	0.20	0.21	-0.01
1.6-1.8	0.30	0.24	0.06
1.9-2.1	0.30	0.08	0.22
2.2-2.4	0.20	0.13	0.07
2.5-2.7	0.00	0.11	-0.11
2.8-3.0	0.00	0.08	-0.08
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F45 Electivity of kokanee for different size ranges of *Daphnia* spp. at index station 8 on Lake Roosevelt in August, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.03	-0.03
0.7-0.9	0.00	0.05	-0.05
1.0-1.2	0.00	0.05	-0.05
1.3-1.5	0.00	0.11	-0.11
1.6-1.8	0.00	0.24	-0.24
1.9-2.1	0.00	0.16	-0.16
2.2-2.4	0.13	0.14	0.00
2.5-2.7	0.73	0.11	0.63
2.8-3.0	0.13	0.08	0.05
3.1-3.3	0.00	0.03	-0.03
3.4-3.6	0.00	0.00	0.00

Table F46 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 8 on Lake Roosevelt in May, 1990.

Daphnia spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.03	-0.03
0.7-0.9	0.00	0.34	-0.34
1.0-1.2	0.00	0.13	-0.13
1.3-1.5	0.00	0.08	-0.08
1.6-1.8	0.22	0.19	0.03
1.9-2.1	0.61	0.15	0.47
2.2-2.4	0.17	0.06	0.10
2.5-2.7	0.00	0.02	-0.02
2.8-3.0	0.00	0.00	0.00
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F47 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 9 on Lake Roosevelt in May, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.08	-0.08
0.7-0.9	0.00	0.41	-0.41
1.0-1.2	0.00	0.27	-0.27
1.3-1.5	0.00	0.19	-0.19
1.6-1.8	0.50	0.24	0.26
1.9-2.1	0.36	0.19	0.17
2.2-2.4	0.14	0.03	0.12
2.5-2.7	0.00	0.00	0.00
2.8-3.0	0.00	0.00	0.00
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F48 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 1 on Lake Roosevelt in August, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.00	0.00
0.7-0.9	0.00	0.50	-0.50
1.0-1.2	0.00	0.00	0.00
1.3-1.5	0.00	0.00	0.00
1.6-1.8	0.00	0.00	0.00
1.9-2.1	0.10	0.00	0.10
2.2-2.4	0.40	0.00	0.40
2.5-2.7	0.50	0.00	0.50
2.8-3.0	0.00	0.50	-0.50
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F49 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 2 on Lake Roosevelt in August, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.00	0.00
0.7-0.9	0.00	0.67	-0.67
1.0-1.2	0.00	0.33	-0.33
1.3-1.5	0.00	0.00	0.00
1.6-1.8	0.00	0.00	0.00
1.9-2.1	0.17	0.00	0.17
2.2-2.4	0.33	0.00	0.33
2.5-2.7	0.33	0.00	0.33
2.8-3.0	0.17	0.00	0.17
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F50 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 5 on Lake Roosevelt in August, 1990.

Daphnia spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.00	0.00
0.7-0.9	0.00	0.00	0.00
1.0-1.2	0.00	0.25	-0.25
1.3-1.5	0.00	0.25	-0.25
1.6-1.8	0.00	0.25	-0.25
1.9-2.1	0.10	0.25	-0.15
2.2-2.4	0.30	0.00	0.30
2.5-2.7	0.50	0.00	0.50
2.8-3.0	0.10	0.00	0.10
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F51 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 7 on Lake Roosevelt in August, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.05	-0.05
0.7-0.9	0.00	0.03	-0.03
1.0-1.2	0.00	0.08	-0.08
1.3-1.5	0.00	0.21	-0.21
1.6-1.8	0.07	0.24	-0.17
1.9-2.1	0.07	0.08	-0.01
2.2-2.4	0.27	0.13	0.14
2.5-2.7	0.40	0.11	0.29
2.8-3.0	0.20	0.08	0.12
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F52 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 9 on Lake Roosevelt in August, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.00	0.00
0.7-0.9	0.00	0.11	-0.11
1.0-1.2	0.00	0.20	-0.20
1.3-1.5	0.00	0.23	-0.23
1.6-1.8	0.00	0.14	-0.14
1.9-2.1	0.06	0.05	0.01
2.2-2.4	0.38	0.16	0.22
2.5-2.7	0.47	0.11	0.36
2.8-3.0	0.09	0.00	0.09
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F53 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 3 on Lake Roosevelt in October, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.00	0.00
0.7-0.9	0.00	0.04	-0.04
1.0-1.2	0.00	0.19	-0.19
1.3-1.5	0.00	0.19	-0.19
1.6-1.8	0.00	0.04	-0.04
1.9-2.1	0.10	0.08	0.02
2.2-2.4	0.10	0.15	-0.05
2.5-2.7	0.60	0.27	0.33
2.8-3.0	0.20	0.04	0.16
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

Table F54 Electivity of rainbow trout for different size ranges of *Daphnia* spp. at index station 7 on Lake Roosevelt in October, 1990.

<i>Daphnia</i> spp. size ranges (mm)	Percent in Stomach	Percent in Environment	Electivity Index
0.1-.03	0.00	0.00	0.00
0.4-0.6	0.00	0.00	0.00
0.7-0.9	0.00	0.06	-0.06
1.0-1.2	0.00	0.39	-0.39
1.3-1.5	0.20	0.08	0.12
1.6-1.8	0.20	0.17	0.03
1.9-2.1	0.20	0.03	0.17
2.2-2.4	0.30	0.14	0.16
2.5-2.7	0.10	0.14	-0.04
2.8-3.0	0.00	0.00	0.00
3.1-3.3	0.00	0.00	0.00
3.4-3.6	0.00	0.00	0.00

APPENDIX G
TAG RETURN DATA

Table G1 Summary of tagging efforts of different fish species in 1990.

Aonth-Year	Release Type	Species	Release Location	Number Tagged	Number Recovered
May 1990	Sampl ing	Brown	Hunters	1	
May 1990	Sampl ing	Small mouth	Porcupine	4	
May 1990	Sampl ing	Yellow Perch	Little Falls	1	
May 1990	Sampl ing	Small mouth	Little Falls	1	
May 1990	Sampl ing	Brown	Little Falls	1	
May 1990	Sampl ing	Largescale	Little Falls	1	
May 1990	Sampl ing	Carp	Seven Bays	1	
May 1990	Sampl ing	Largescale	Seven Bays	4	
May 1990	Sampl ing	Small mouth	Keller Ferry	3	
May 1990	Sampl ing	Carp	Keller Ferry	1	
May 1990	Sampl ing	Largescale	San Poil	5	
May 1990	Sampl ing	Small mouth	San Poil	2	
May 1990	Sampl ing	Carp	San Poil	4	
May 1990	Sampl ing	Small mouth	Spring Canyon	13	
August 1990	Sampl ing	Squawfish	Kettle Falls	1	
August 1990	Sampl ing	Brown	Little Falls	1	
August 1990	Sampl ing	Small mouth	San Poil	9	
August 1990	Sampl ing	Largescale	San Poil	1	
August 1990	Sampl ing	Small mouth	Spring Canyon	4	
October 1990	Sampl ing	Largemouth	Kettle Falls	3	
October 1990	Sampl ing	Brown	Kettle Falls	1	
October 1990	Sampl ing	Yellow Perch	Gifford	1	

Table G1 Continued.

Month-Year	Release Type	Species	Release Location	Number Tagged	Number Recovered
October 1990	Sampling	Burbot	Hunters	1	
October 1990	Sampling	Burbot	Porcupine	1	
October 1990	Sampling	Burbot	Little Falls	1	
October 1990	Sampling	Brown	Little Falls	1	
October 1990	Sampling	Carp	Seven Bays	1	
October 1990	Sampling	Burbot	Keller Ferry	2	
October 1990	Sampling	Yellow perch	San Poil	2	
October 1990	Sampling	Squawfish	San Poil	1	

Table G2 Summary of tagged fish recovered in 1990, including release and recapture dates, locations, and lengths.

Tag Number	Species	Rel. Loc.	Rel. Date	Rel. Len. (mm)	Recap. Loc.	Recap. Date	Recap. Len. (mm)	Dis. Trav. (km)	Days to Recap.	Months to Recap.	Growth per month
R-11868	R	7 Bays	5/1/88	-	Keller Ferry	3/31/90	610	37 d	699	23.30	-
R-21034	R	Little Falls	10/4/88	507	Rufus Woods	1/5/90	546	194 d	458	15.27	2.55
Y-22011	R	Hunters	10/14/88	384	7 Bays	1/27/90	508	51 d	470	15.67	7.91
R-24912	R	Hunters	3/10/89	194	Porcupine Bay	10/14/90	470	46 d	583	19.43	14.20
R-26478	R	7 Bays	4/12/89	203	Rufus Woods	12/2/90	445	144 d	599	19.97	12.12
R-26708	R	7 Bays	4/12/89	189	Spring Canyon	3/31/90	432	58 d	353	11.77	20.65
Y-22131	R	Northport	4/13/89	207	Spring Canyon	6/21/90	502	218 d	434	14.47	20.39
Y-22376	R	Northport	4/13/89	228	Kettle	6/27/90	394	45 d	440	14.67	11.32
Y-22553	R	Northport	4/13/89	218	Hawk Creek	4/23/90	406	162 d	375	12.50	15.04
R-04814	R	Keller	5/8/89	230	7 Bays	1/14/90	457	86 u	251	8.37	27.13
R-09810	R	7 Bays	8/9/89	-	Hunters	12/11/90	483	51 u	489	16.30	-
R-15163	R	Kettle Falls	9/27/89	232	Spring Canyon	2/26/90	323	173 d	152	5.07	17.96
R-15177	R	Kettle Falls	9/27/89	207	Hunters	3/3/90	317	64 d	157	5.23	21.02
R-15196	R	Kettle Falls	9/27/89	240	Marcus	3/1/90	279	5 u	155	5.17	7.55
R-15628	R	Kettle Falls	9/27/89	245	Kettle	1/18/90	278	0	113	3.77	8.76
R-15655	R	Kettle Falls	9/27/89	235	Hunters	2/7/90	337	64 d	133	4.43	23.01
R-15750	R	Kettle Falls	9/27/89	223	7 Bays	2/25/90	-	115 d	151	5.03	-
R-15779	R	Kettle Falls	9/27/89	250	Bradbury	2/10/90	279	15 d	136	4.53	6.40
R-15797	R	Kettle Falls	9/27/89	237	Hunters	2/7/90	305	64 d	133	4.43	15.34
R-15863	R	Kettle Falls	9/27/89	201	Spring Canyon	2/25/90	305	173 d	151	5.03	20.66
R-15877	R	Kettle Falls	9/27/89	235	Spring Canyon	5/7/90	-	173 d	222	7.40	-
R-15892	R	Kettle Falls	9/27/89	220	Spring Canyon	3/7/90	305	173 d	161	5.37	15.84
R-15967	R	Kettle Falls	9/27/89	221	Rufus Woods	1/31/90	318	259 d	126	4.20	23.10
R-17059	R	Hunters	10/7/89	192	Fort Spokane	2/25/90	304	46 d	141	4.70	23.83
R-17077	R	Hunters	10/7/89	181	Spring Canyon	2/18/90	-	109 d	134	4.47	-
R-17087	R	Hunters	10/7/89	206	Porcupine Bay	10/14/90	470	46 d	372	12.40	21.29
R-17166	R	Hunters	10/7/89	212	Keller Ferry	1/26/90	304	88 d	111	3.70	24.86
R-17177	R	Hunters	10/7/89	210	Keller	2/26/90	304	88 d	142	4.73	19.86

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Table G2 Continued.

Tag Number	Species	Rel. Loc.	Rel. Date	Rel. Len. (mm)	Recap. Loc.	Recap. Date	Recap. Len. (mm)	Dis. Trav. (km)	Days to Recap.	Months to Recap.	Growth per month
R- 17214	R	Hunters	10/7/89	209	Spring Canyon	4/3/90	356	109 d	178	5.93	24.78
R- 17280	R	Hunters	10/7/89	193	Spring Canyon	3/7/90	305	109 d	151	5.03	22.25
R- 17289	R	Hunters	10/7/89	214	Spring Canyon	3/4/90	279	109 d	148	4.93	13.18
R- 17421	R	Hunters	10/7/89	204	Spring Canyon	3/7/90	305	109 d	151	5.03	20.07
R- 17421	R	Hunters	10/7/89	204	Spring Canyon	3/7/90	305	109 d	151	5.03	20.07
R- 17497	R	Hunters	10/7/89	205	Keller	2/18/90	355	88 d	134	4.47	33.58
R-25910	R	Spring Canyon	10/11/89	370	Keller Ferry	4/1/90	388	21 u	172	5.73	3.14
B- 21 005	K	7 bays	12/21 /89	255	Sanpoil	4/21/90		45 d	121	4.03	-
B- 21 008	K	7 Bays	12/21/89	336	7 Bays	1/7/90		0	17	0.57	-
B- 21 041	K	7 Bays	12/21/89	291	7 Bays	2/2/90	323	0	43	1.43	22.33
B- 21 077	K	7 Bays	12/21 /89	257	Hawk Creek	2/24/90	260	2 d	65	2.17	1.38
B- 21 128	K	7 Bays	12/21/89	285	Hawk Creek	1/30/90	356	2 d	40	1.33	53.25
B- 21 129	K	7 Bays	12/21/89	271	Hawk Creek	1/1/90	229	2 d	11	0.37	-1 14.55
B- 21215	K	7 Bays	12/21/89	290	7 Bays	3/11/90	304	0	80	2.67	5.25
B- 21 223	K	7 Bays	12/21/89	225	7 Bays	2/24/90	267	0	65	2.17	19.38
B- 21 225	K	7 Bays	12/21/89	290	7 Bays	3/11/90	304	0	80	2.67	5.25
B- 21231	K	7 Bays	12/21 /89	275	7 Bays	2/25/90	279	0	66	2.20	1.82
B- 21 251	K	7 Bays	12/21/89	275	7 Bays	1/27/90	305	0	37	1.23	24.32
B- 21 253	K	7 Bays	12/21/89	262	7 Bays	1/7/90	267	0	17	0.57	8.82
B- 21 278	K	7 Bays	12/21/89	302	7 Bays	1/13/90	254	0	23	0.77	-62.61
B- 21 292	K	7 Bays	12/21 /89	285	7 Bays	2/27/90	304	0	68	2.27	8.38
B- 21 296	K	7 Bays	12/21/89	268	7 Bays	2/3/90	279	0	44	1.47	7.50
B- 21301	K	7 Bays	12/21 /89	269	7 Bays	2/2/90	290	0	43	1.43	14.65
B- 21347	K	7 Bays	12/21/89	289	Hawk Creek	2/25/90	293	2 d	66	2.20	1.82
B- 21361	K	7 Bays	12/21/89	291	Spring Canyon	3/7/90	305	58 d	76	2.53	5.53
B- 21372	K	7 Bays	12/21 /89	235	7 Bays	1/7/90	304	0	17	0.57	121.76
B- 21385	K	7 Bays	12/21/89	293	7 Bays	1/7/90	304	0	17	0.57	19.41
B- 21401	K	7 Bays	12/21/89	283	Hawk Creek	3/10/90	305	2 d	79	2.63	8.35
B- 21 404	K	7 Bays	12/21/89	239	Hawk Creek	3/31/90	238	2 d	100	3.33	-0.30
B- 21442	K	7 Bays	12/21 /89	290	7 Bays	2/24/90	267	0	65	2.17	-10.62

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Table G2 Continued.

Tag Number	Species	Rel. Loc.	Rel. Date	Rel. Len. (mm)	Recap. Loc.	Recap. Date	Recap. Len. (mm)	Dis. Trav. (km)	Days to Recap.	Months to Recap.	Growth per month
B- 21445	K	7 Bays	12/21/89	285	Hawk Creek	1/16/90	279	2 d	26	0.87	-6.92
B- 21462	K	7 Bays	12/21/89	285	7 Bays	1/14/90		0	24	0.80	-
B- 21464	K	7 Bays	12/21/89	222	Hawk Creek	3/21/90		2 d	90	3.00	-
B-21 835	K	7 Bays	12/21/89	293	7 Bays	1/7/90	304	0	17	0.57	19.41
R- 25377	R	7 bays	3/22/90	216	Porcupine		245	51 u			
R- 25503	R	7 Bays	3/22/90	216	McNary	5/2/90		547 d	41	1.37	-
R- 33378	R	Kettle Falls	3/27/90	205	Keller Ferry	7/14/90	305	152 d	109	3.63	27.52
R- 34283	R	Hunters	3/29/90	245	Porcupine Bay	10/8/90	432	46 d	193	6.43	29.07
R- 34321	R	Hunters	3/29/90	207	McNary	5/8/90	215	598 d	40	1.33	6.00
R- 34439	R	Hunters	3/29/90	202	McNary	5/29/90	218	598 d	61	2.03	7.87
R- 33504	R	7 Bays	4/17/90	247	Spring Canyon	6/20/90	305	58 d	64	2.13	27.19
R- 33509	R	7 Bays	4/17/90	262	McNary	5/30/90	257	547 d	43	1.43	-3.49
R- 33547	R	7 Bays	4/17/90	225	Spring Canyon	6/17/90	279	58 d	61	2.03	26.56
R- 33590	R	7 Bays	4/17/90	235	McNary	5/29/90	250	547 d	42	1.40	10.71
R- 33685	R	7 Bays	4/17/90	233	Porcupine	5/23/90	260	26 d	36	1.20	22.50
R- 33704	R	7 Bays	4/17/90	258	Keller	7/28/90	356	37 d	102	3.40	28.82
R- 33777	R	7 Bays	4/17/90	235	Rufus Woods	8/13/90		144 d	118	3.93	-
R- 33779	R	7 Bays	4/17/90	240	Keller	7/4/90	305	37 d	78	2.60	25.00
R- 33839	R	7 Bays	4/17/90	250	Hawk Creek	11/25/90	406	2 d	222	7.40	21.08
R- 33852	R	7 Bays	4/17/90	240	Spring Canyon	5/6/90	228	58 d	19	0.63	-18.95
R- 33859	R	7 Bays	4/17/90	230	McNary	5/30/90	235	547 d	43	1.43	3.49
R- 33966	R	7 Bays	4/17/90	260	Hawk Creek	4/29/90	305	2 d	12	0.40	112.50
R- 34000	R	7 Bays	4/17/90	281	Rufus Woods	8/2/90	305	144 d	107	3.57	6.73
R- 37175	R	Hunter	4/19/90	202	Keller	7/10/90	279	88 d	82	2.73	28.17
R- 37214	R	Hunters	4/19/90	228	Keller	9/1/90	330	88 d	135	4.50	22.67
R- 37349	R	Hunters	4/19/90	209	Spring Canyon	6/10/90	267	109 d	52	1.73	33.46
R- 37429	R	Hunters	4/19/90	206	Hawk Creek	9/21/90	368	53 d	155	5.17	31.35
R- 37461	R	Hunters	4/19/90	220	Rufus Woods	8/1/90	305	195 d	104	3.47	24.52
R- 38002	R	Kettle Falls	4/19/90	221	7 Bays	8/9/90	406	115 d	112	3.73	49.55

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Table G2 Continued.

Tag Number	Species	Rel. Loc.	Rel. Date	Rel. Len. (mm)	Recap. Loc.	Recap. Date	Recap. Len. (mm)	Dis. Trav. (km)	Days to Recap.	Months to Recap.	Growth per month
R- 38083	R	Kettle Falls	4/19/90	215	Rufus Woods	7/27/90	305	259 d	99	3.30	27.27
R- 381 29	R	Kettle Falls	4/19/90	240	Keller	8/4/90	457	152 d	107	3.57	60.84
R- 381 78	R	Kettle Falls	4/19/90	243	Rufus Woods	10/24/90	362	259 d	188	6.27	18.99
R- 381 90	R	Kettle Falls	4/19/90	225	Spring Canyon	7/21/90	330	173 d	93	3.10	33.87
R- 38216	R	Kettle Falls	4/19/90	225	Rufus Woods	8/1/90		259 d	104	3.47	-
R- 38226	R	Kettle Falls	4/19/90	223	Spok Con	9/4/90	356	72 d	138	4.60	28.91
R- 38336	R	Kettle Falls	4/19/90	215	Keller Ferry	10/27/90	349	52 d	191	6.37	21.05
R- 38339	R	Kettle Falls	4/19/90	234	Rufus Woods		381	259 d			
R- 38366	R	Kettle Falls	4/19/90	246	Spring Canyon	6/5/90		173 d	47	1.57	-
R- 38401	R	Kettle Falls	4/19/90	235	Spring Canyon	6/19/90		173 d	61	2.03	-
R- 38439	R	Kettle Falls	4/19/90	223	Spring Canyon	6/26/90	305	173 d	68	2.27	36.18
R- 38456	R	Kettle Falls	4/19/90	210	Sanpoil	10/21/90	343	160 d	185	6.17	21.57
R- 38488	R	Kettle Falls	4/19/90	230	Spring Canyon	6/17/90		173 d	59	1.97	-
Y- 39542	R	Keller	5/12/90	260	Keller Ferry	8/16/90	349	0	96	3.20	27.81
Y- 39614	R	Keller	5/12/90	250	Spring Canyon	6/5/90	279	21 d	24	0.80	36.25
Y- 39623	R	Keller	5/12/90	270	Spring Canyon	6/7/90	305	21 d	26	0.87	40.38
Y- 40016	R	Keller	5/12/90	255	Rufus Woods	8/2/90	305	107 d	82	2.73	18.29
Y- 40028	R	Keller	5/12/90	246	Spring Canyon	8/7/90	330	21 d	87	2.90	28.97
Y- 40035	R	Keller	5/12/90	219	Rufus Woods	8/13/90		107 d	93	3.10	-
Y- 401 14	R	Keller	5/12/90	265	7 Bays		381	37 u			
Y- 401 26	R	Keller	5/12/90	256	Spring Canyon	9/23/90	368	21 d	134	4.47	25.07
Y- 401 95	R	Keller	5/12/90	205	Spring Canyon	8/29/90	330	21 d	109	3.63	34.40
Y- 40203	R	Keller	5/12/90	260	Rock Island	6/5/90	278	253 d	24	0.80	22.50
Y- 40335	R	Keller	5/12/90	245	Spring Canyon	6/8/90	279	21 d	27	0.90	37.78
Y- 40361	R	Keller	5/12/90	252	Spring Canyon	6/15/90	305	21 d	34	1.13	46.76
Y- 40388	R	Keller	5/12/90	225	Fort Spokane	11/25/90	368	42 u	197	6.57	21.78
R- 38668	R	Hunters	5/19/90	210	Fort Spokane	11/25/90	356	46 d	190	6.33	23.05
R- 38890	R	Hunters	5/19/90	240	Sanpoil	8/3/90	325	96 d	76	2.53	33.55
R- 38958	R	Hunters	5/19/90	205	Kettle Falls	10/26/90	394	64 d	160	5.33	35.44

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Table G2 Continued.

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Tag Number	Species	Rel. Loc.	Rel. Date	Rel. Len. (mm)	Recap. Loc.	Recap. Date	Recap. Len. (mm)	Dis. Trav. (km)	Days to Recap.	Months to Recap.	Growth per month
R- 38976	R	Hunters	5/19/90	226	Rufus Woods	8/1/90	305	195 d	74	2.47	32.03
B- 55008	K	7 Bays	5/26/90	380	Fort Spokane	12/13/90	559	5 u	201	6.70	26.72
B- 55010	K	7 Bays	5/26/90	355	Spring Canyon	7/15/90	419	58 d	50	1.67	38.40
B- 55011	K	7 Bays	5/26/90	370	Spring Canyon	6/23/90	406	58 d	28	0.93	38.57
B- 55019	K	7 Bays	5/26/90	360	Hawk Creek	9/1/90	419	2 d	98	3.27	18.06
B- 55029	K	7 Bays	5/26/90	392	7 Bays	6/2/90	356	0	7	0.23	154.29
B- 55046	K	7 Bays	5/26/90	345	Rufus Woods	9/4/90	406	144 d	101	3.37	18.12
B- 55060	K	7 Bays	5/26/90	350	Keller Ferry	6/18/90		37 d	23	0.77	
B- 55095	K	7 Bays	5/26/90	305	Keller		368	37 d			
B- 55102	K	7 Bays	5/26/90	320	Spring Canyon	8/2/90	419	58 d	68	2.27	43.68
B- 55106	K	7 Bays	5/26/90	350	Spring Canyon	7/7/90	451	58 d	42	1.40	72.14
B- 55163	K	7 Bays	5/26/90	350	Sanpoil	8/1/90		45 d	67	2.23	
B- 55164	K	7 Bays	5/26/90	362	Hawk Creek	7/26/90	406	2 d	61	2.03	21.64
B- 55168	K	7 Bays	5/26/90	360	Keller Ferry	7/19/90	432	37 d	54	1.80	40.00
B- 55174	K	7 Bays	5/26/90	356	Sanpoil	8/1/90		45 d	67	2.23	
B- 55186	K	7 Bays	5/26/90	355		7/8/90	432		43	1.43	53.72
B- 55191	K	7 Bays	5/26/90	365	Hawk Creek	6/3/90	381	2 d	8	0.27	60.00
B- 55201	K	7 Bays	5/26/90	340							
B- 55229	K	7 Bays	5/26/90	335	Keller	10/17/90	356	37 d	144	4.80	4.38
B- 55255	K	7 Bays	5/26/90	375	7 Bays	ail 1/90		0	77	2.57	
B- 55291	K	7 Bays	5/26/90	336	Hawk Creek	6/2/90	356	2 d	7	0.23	85.71
B- 55347	K	7 Bays	5/26/90	370	Spring Canyon	7/7/90	451	58 d	42	1.40	57.86
B- 55368	K	7 Bays	5/26/90	358	Rufus Woods	10/1/90	445	14 4 d	128	4.27	20.39
B- 55382	K	7 Bays	5/26/90	478	7 Bays	6/2/90	457	0	7	0.23	-90.00
B- 55394	K	7 Bays	5/26/90	345	Hunters	9/8/90	394	51 u	105	3.50	14.00
B- 55410	K	7 Bays	5/26/90	355	Porcupine	9/15/90	470	26 u	112	3.73	30.80
B- 55437	K	7 Bays	5/26/90	370	Spring Canyon	7/7/90	451	58 d	42	1.40	57.86
B- 55492	K	7 Bays	5/26/90	352	Hawk Creek	6/7/90	336	2 d	12	0.40	-40.00
B- 55497	K	7 Bays	5/26/90	345	Hawk Creek	8/2/90	388	2 d	68	2.27	1 a.97

Table G2 Continued.

Tag Number	Species	Rel. Loc.	Rel. Date	Rel. Len. (mm)	Recap. Loc.	Recap. Date	Recap. Len. (mm)	Dis. Trav. (km)	Days to Recap.	Months to Recap.	Growth per month
R- 39002	R	7 Bays	5/26/90	230	Spring Canyon	7/9/90	330	58 d	44	1. 47	68. 18
R- 39024	R	7 Bays	5/26/90	270	Keller		356	37 d	-		
R- 39037	R	7 Bays	5/26/90	247	Rufus Woods	9/23/90	368	144 d	120	4. 00	30. 25
R- 39077	R	7 Bays	5/26/90	250	Rock Island	6/22/90	272	290 d	27	0. 90	24. 44
R- 39092	R	7 Bays	5/26/90	215	Porcupine	6/16/90	229	46 d	21	0. 70	20. 00
R- 391 52	R	7 Bays	5/26/90	256	Keller Ferry	7/2/90	267	37 d	37	1. 23	8. 92
R- 391 63	R	7 Bays	5/26/90	260	Spring Canyon	6/20/90	318	58 d	25	0. 83	69. 60
R- 39215	R	7 Bays	5/26/90	242	Porcupine Bay	10/14/90	470	26 u	141	4. 70	48. 51
R- 39225	R	7 Bays	5/26/90	240	Keller Ferry	7/17/90		37 d	52	1. 73	
R- 39239	R	7 Bays	5/26/90	255	Keller Ferry	7/11/90	330	37 d	46	1. 53	48. 91
R- 39266	R	7 Bays	5/26/90	262	Rufus Woods	8/1/90	305	144 d	67	2. 23	19. 25
R- 39307	R	7 Bays	5/26/90	247	Rufus Woods	9/23/90	368	144 d	120	4. 00	30. 25
R- 39312	R	7 Bays	5/26/90	250	Spring Canyon	10/1/90	393	58 d	128	4. 27	33. 52
R- 39327	R	7 Bays	5/26/90	250	Rufus Woods	7/17/90	305	144 d	52	1. 73	31. 73
R- 39356	R	7 Bays	5/26/90	245	Keller	8/1/90	305	37 d	67	2. 23	26. 87
R- 39359	R	7 Bays	5/26/90	240	Spring Canyon	7/15/90	279	58 d	50	1. 67	23. 40
R- 39381	R	7 Bays	5/26/90	251	Keller Ferry	8/9/90	318	37 d	75	2. 50	26. 80
R- 39418	R	7 Bays	5/26/90	225	Sanpoil	7/29/90	254	45 d	64	2. 13	13. 59
R- 39439	R	7 Bays	5/26/90	280	Keller Ferry	8/11/90	343	37 d	77	2. 57	24. 55
R- 39448	R	7 Bays	5/26/90	240	Hawk Creek		356	2 d			
R- 39452	R	7 Bays	5/26/90	261	Keller Ferry	8/20/90	305	37 d	86	2. 87	15. 35
R- 39498	R	7 Bays	5/26/90	268	Spring Canyon	6/20/90	305	58 d	25	0. 83	44. 40
R- 34903	R	Hunters	10/4/90	410	Spring Canyon	12/8/90	430	173d	65	2. 17	9. 23

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Table G2 Continued.

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Tag Number	Species	Rel. Loc.	Rel. Date	Rel. Len. (mm)	Recap. Loc.	Recap. Date	Recap. Len. (mm)	Dis. Trav. (km)	Days to Recap.	Months to Recap.	Growth per month
R-05521	W	Sanpoil	5/9/89	420	Keller Ferry	7/1/90	513	8 d	418	13.93	6.67
R-05510	W	Keller	5/15/89	432	Sanpoil		483	8 u			
R-09565	w	Little Falls	10/5/89	421.0	Kettle Falls	5/1/90	445.0	134 u	238.0	7.9	4.2
R-251 18	W	Hunters	10/6/89	475	Sanpoil	3/20/90	490	96 d	165	5.50	2.73
R-251 32	W	Hunters	10/6/89	455	Kieffer Point	3/3/90	457	46 d	148	4.93	0.41
R-25704	W	Keller	5/11/90	335	Sanpoil	7/16/90	355	8 u	66	2.20	9.09
R-34706	W	Kettle	5/17/90	344	Kettle	8/7/90	356	0	82	2.73	4.39
R-1 5581	W	Gifford	5/20/90	374	Gifford	5/26/90	387	0	6	0.20	65.00
Y-00321	W	Porcupine	5/9/87	287	Rufus Woods	10/6/90	457	170 d	1246	41.53	4.09
Y-08060	W	Porcupine	5/21/88	361	Little Falls	1/18/90	400	24 u	901	30.03	1.30
Y-20164	W	Porcupine	5/5/89	395	Hunters	2/15/90	431	46 u	286	9.53	3.78
Y-20250	W	Porcupine	5/5/89	385	Little Falls	6/18/90	406	24 d	409	13.63	1.54
Y-20324	W	Porcupine	5/6/89	365	Little Falls	7/4/90	390	24 d	424	14.13	1.77
Y-20400	W	Porcupine	5/6/89	406	7 Bays	7/5/90	521	26 d	425	14.17	8.12
Y-20707	W	Porcupine	5/6/89	393	Hunters	4/30/90		46 u	359	11.97	
Y-21883	W	Gifford	5/20/89	374	Gifford	5/26/90	387	0	371	12.37	1.05
Y-21740	W	Little Falls	5/31/89	376	Kettle Falls	9/22/90	381	134 u	479	15.97	0.31
Y-19198	W	Porcupine Bay	8/1/89	350	Fort Spokane	6/5/90	368	21 d	308	10.27	1.75
Y-21795	W	Kettle Falls	8/7/89	390	7 Bays	1/17/90	457	50 d	163	5.43	12.33
Y-21819	W	Porcupine Bay	4/21/90	400	Waneta Dam	9/16/90	406	174 u	148	4.93	1.22
Y-21834	W	Porcupine Bay	4/21/90	520	Porcupine Bay	7/14/90		0	84	2.80	
Y-21 838	W	Porcupine Bay	4/21/90	401	Gifford	5/26/90	394	72 u	35	1.17	-6.00
Y-21902	W	Porcupine Bay	4/21/90	441	Little Falls	6/15/90	406	24 u	55	1.83	-19.09
Y-1 9255	W	Little Falls	5/5/90	260	Porcupine Bay	6/3/90	254	24 d	29	0.97	-6.21
Y-34703	W	Porcupine Bay	5/17/90	417	Little Falls	7/8/90	410	24 u	52	1.73	-4.04

APPENDIX H
WATER COLUMN PROFILES

Table H1 Temperature profiles of location 4 during monthly sampling in 1990.

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DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	5.17	3.51	5.47	9.12	12.93	20.13	21.53
3	5.10	3.35	5.15	8.45	12.87	17.71	21.00
6	5.06	3.33	5.10	8.23	12.68	16.59	20.75
9	5.00	3.33	4.99	8.21	12.52	15.82	20.60
12	5.00	3.35	4.79	8.03	12.34	14.92	20.24
15	5.00	3.39	4.79	7.97	12.31	14.29	20.11
18	4.98	3.40	4.74	7.95	12.30	13.86	19.60
21	4.98	3.44	4.72	7.89		13.59	19.24
24	4.96	3.46	4.58	7.89		13.27	19.11
27	4.97	3.46	4.35			13.05	18.98
30	4.97	3.46	4.21				18.03
33	4.96	3.48	4.18				15.62
36		3.51	4.18				
39		3.51	4.14				
42		3.51	4.14				
45			4.14				
mean	5.01	3.43	4.60	8.19	12.56	15.32	19.57
stdev	0.06	0.07	0.43	0.39	0.27	2.27	1.59

Table H2 Temperature profiles of location 6 during monthly sampling in 1990.

DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	4.72	2.81	5.74	8.99	11.91	17.18	21.89
3	4.69	2.75	4.6	8.35	11.84	15.35	21.37
6	4.68	2.73	4.53	8.08	11.64	15.42	20.85
9	4.68	2.74	4.42	7.39	11.6	15.16	20.63
12	4.67	2.72	4.35	7.63	11.48	14.09	20.48
15	4.67	2.7	4.29	7.35	11.13	13.36	20.32
18	4.66	2.71	4.24	7.3	11.2	13.27	20.17
21	4.66	2.69	4.23	7.07	10.85		19.64
24	4.66	2.69	4.21	7.	10.73	19.22	
27	4.66	2.72	4.18	6.95	10.64		19.06
30	4.66	2.71	4.17	6.93	10.56		18.96
33	4.65	2.71	4.16	6.89	10.55		18.84
36	4.66	2.73	4.16	6.8	10.53		
39		2.73	4.16	6.7			
42			4.17	6.67			
45				6.66			
mean	4.67	2.72	4.37	7.30	11.13	14.83	20.12
stdev	0.02	0.03	0.40	0.67	0.52	1.38	0.99

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Table H3 Temperature profiles of all locations during May sampling period in 1990.

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DEPTH	LOCATIONS								
	1	2	3	4	5	6	7	8	9
0	10.75	10.7	12.44	12.93	12.12	11.91	11.95	11.39	11.27
3	10.74	10.66	10.7	12.87	12.12	11.84	11.65	11.37	10.67
6	10.48	10.62	10.52	12.68	12.13	11.64	11.02	11.17	10.33
9	10.4	10.51	10.51	12.52		11.6	10.1	11.0	10.15
12	10.37	10.44	10.51	12.34		11.48	9.82	10.03	10.11
15	10.33	10.33	10.51	12.31		11.13	9.72	9.72	9.97
18	10.3	10.25	10.51	12.3		11.2	9.65	9.66	9.88
21	10.3	10.25	10.5			10.85	9.5	9.58	9.78
24	10.26	10.28	10.5			10.73	9.46	9.57	9.55
27		10.28	10.5			10.64	9.43	9.55	9.52
30		10.38	10.49			10.56	9.4	9.55	9.47
33		10.24	10.48			10.55	9.39	9.52	9.45
36		10.19				10.53		9.5	9.46
39									9.46
42									9.44
45									9.41
48									9.28
51									9.15
54									9.12
mean	10.44	10.39	10.68	12.56	12.12	11.13	10.09	10.12	9.76
stdev	0.19	0.18	0.56	0.27	0.01	0.52	0.92	0.79	0.55

Table H4 D.O. profiles of location 4 during monthly sampling in 1990.

347

DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	12.65	13.69	12.80	13.06	12.04	10.02	8.29
3	12.50	13.75	13.07	13.37	11.94	10.38	8.13
6	12.73	13.78	12.91	13.33	11.77	10.57	7.99
9	12.51	13.60	12.93	13.24	11.58	10.29	7.74
12	12.37	13.92	12.87	13.33	11.39	10.22	6.09
15	12.39	13.58	12.86	13.24	11.33	10.34	5.68
18	12.40	13.55	12.82	13.16	11.27	10.34	5.43
21	12.42	13.52	12.85	13.11		10.22	5.10
24	12.42	13.43	12.82	13.06		10.08	5.03
27	12.42	13.43	12.83			9.43	4.98
30	12.35	13.43	12.89				5.08
33	12.36	13.42	12.83				4.25
36		13.38	12.83				
39		13.38	12.80				
42		13.37	12.80				
45			12.80				
mean	12.46	13.55	12.86	13.21	11.62	10.19	6.15
stdev	0.12	0.07	0.12	0.31	0.31	0.31	1.47

Table H5 D.O. profiles of location 6 during monthly sampling in 1990.

DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	13.15	14.36	12.55	12.92	12.57	11.93	
3	13.02	14.31	13.01	13.39	12.55	12.46	8.76
6	12.91	14.51	12.96	13.3	12.31	12.47	8.78
9	12.84	14.25	12.96	13.08	12.26	12.74	8.55
12	12.92	14.18	12.88	13.	12.22	12.44	8.53
15	12.89	14.21	12.81	12.88	12.3	12.26	8.52
18	13	14.21	12.86	12.81	12.3	12.13	8.48
21	12.19	14.3	12.8	12.69	12.18		8.45
24	12.8	14.14	12.82	12.64	12.13		8.55
27	12.8	14.19	12.83	12.69	12.06		8.65
30	12.8	14.11	12.86	12.54	12.04		8.67
33	12.8	14.13	12.86	12.52	12.		8.64
36	12.8	14.36	12.86	12.66	11.98		
39		14.28	12.86	12.52			
42			12.85	12.43			
45				12.44			
mean	10.84	14.25	12.85	12.78	12.22	12.35	8.61
stdev	7.17	0.11	0.10	0.29	0.19	0.26	0.11

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Table H6 D.O. profiles of all locations during May sampling period in 1990.

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DEPTH	LOCATIONS								
	1	2	3	4	5	6	7	8	9
0	12.64	14.32	12.77	12.04	12.64	12.57	13.21	12.62	12.71
3	12.64	12.71	12.88	11.94	12.25	12.55	13.05	12.63	12.9
6	12.74	12.54	12.5	11.77	12.72	12.31	12.95	12.49	12.87
9	12.72	12.71	12.42	11.58		12.26	12.61	12.41	12.64
12	12.74	12.73	12.37	11.39		12.22	12.53	12.56	12.44
15	12.74	12.75	12.33	11.33		12.3	12.37	13.52	12.42
18	12.7	12.56	12.3	11.26		12.3	12.25	12.91	12.39
21	12.69	12.53	12.25			12.18	12.21	12.94	12.31
24	12.65	12.49	12.25			12.13	12.17	12.81	12.24
27		12.49	12.21			12.06	12.14	12.84	12.21
30		12.48	12.18			12.04	12.21	12.56	12.15
33		12.4	12.18			12.	12.14	12.58	12.16
36		12.35				11.98		12.55	12.12
39									12.17
42									12.13
45									12.24
48									12.07
51									12.1
54									12.04
nean	12.70	12.70	12.39	11.62	12.54	12.22	12.49	12.72	12.33
itdev	0.04	0.50	0.23	0.31	0.25	0.19	0.39	0.29	0.27

Table H7 pH profiles of location 4 during monthly sampling in 1990.

DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	6.49	6.20	6.60	6.12	7.34	7.71	6.55
3	6.62	6.37	6.74	6.39	7.39	7.78	6.91
6	6.73	6.49	6.79	6.52	7.33	7.71	7.06
9	6.81	6.57	6.84	6.60	7.27	7.53	7.16
12	6.85	6.02	6.92	6.67	7.23	7.39	7.16
15	6.88	6.67	6.95	6.70	7.21	7.32	7.13
18	6.91	6.72	6.98	6.74	7.20	7.25	7.40
21	6.93	6.76	7.02	6.75		7.20	7.32
24	6.95	6.79	7.05	6.76		7.14	7.29
27	6.98	6.82	7.09			7.04	7.27
30	7.01	6.85	7.15				7.31
33	7.02	6.86	7.19				7.28
36		6.88	7.23				
39		6.89	7.25				
42		6.91	7.27				
45			7.29				
mean	6.85	6.65	7.02	6.58	7.28	7.41	7.15
stdev	0.16	0.27	0.21	0.21	0.07	0.26	0.23

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Table H8 pH profiles of location 6 during monthly sampling in 1990.

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DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	6.78	6.46	7.31	5.95	7.74	7.85	8.29
3	7.10	6.76	7.36	6.55	7.86	8.06	8.13
6	7.21	6.87	7.38	7.03	7.80	8.10	7.99
9	7.30	6.96	7.39	7.28	7.77	8.11	7.74
12	7.33	7.04	7.39	7.39	7.74	7.99	6.09
15	7.35	7.08	7.39	7.41	7.70	7.86	5.68
18	7.37	7.12	7.40	7.43	7.69	7.79	5.43
21	7.38	7.16	7.42	7.42	7.64		5.10
24	7.39	7.19	7.44	7.42	7.61		5.03
27	7.40	7.21	7.46	7.43	7.59		4.98
30	7.41	7.24	7.49	7.44	7.57		5.08
33	7.42	7.26	7.50	7.45	7.56		4.25
36	7.42	7.28	7.51	7.45	7.55		
39		7.30	7.52	7.45			
42			7.52	7.45			
45				7.46			
mean	7.30	7.07	7.43	7.25	7.68	7.97	6.15
stdev	0.18	0.24	0.07	0.42	0.10	0.13	1.47

Table H9 pH profiles of all locations during May sampling period in 1990.

352

DEPTH	LOCATIONS								
	1	2	3	4	5	6	7	8	9
0	7.16	6.99	7.4	7.34	7.15	7.74	7.71	7.37	7.16
3	7.27	7.34	7.55	7.39	7.14	7.86	7.85	7.58	7.49
6	7.35	7.42	7.52	7.33	7.19	7.8	7.83	7.72	7.56
9	7.39	7.46	7.52	7.27		7.77	7.66	7.7	7.55
12	7.43	7.47	7.53	7.23		7.74	7.58	7.63	7.53
15	7.45	7.46	7.53	7.21		7.7	7.55	7.6	7.52
18	7.46	7.46	7.54	7.2		7.69	7.51	7.5	7.52
21	7.47	7.46	7.54			7.64	7.48	7.27	7.49
24	7.48	7.47	7.55			7.61	7.47	6.96	7.47
27		7.49	7.55			7.59	7.46	7.47	7.45
30		7.52	7.55			7.57	7.46	7.45	7.45
33		7.51	7.55			7.56	7.45	7.44	7.45
36		7.5				7.55		7.29	7.45
39									7.45
42									7.45
45									7.45
48									7.45
51									7.44
54									7.44
mean	7.38	7.43	7.53	7.28	7.16	7.68	7.58	7.46	7.46
stdev	0.11	0.14	0.04	0.07	0.03	0.10	0.15	0.21	0.08

Table H10 Conductivity profiles of location 4 during monthly sampling in 1990.

353

DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	0.1	0.098	0.115	0.081	0.086	0.08	0.14
3	0.1	0.097	0.115	0.08	0.086	0.08	0.144
6	0.1	0.097	0.115	0.079	0.088	0.081	0.146
9	0.1	0.096	0.116	0.08	0.087	0.079	0.148
12	0.1	0.097	0.118	0.08	0.088	0.077	0.161
15	0.1	0.096	0.121	0.079	0.088	0.078	0.154
18	0.099	0.097	0.122	0.079	0.088	0.075	0.143
21	0.1	0.094	0.122	0.08		0.074	0.153
24	0.099	0.095	0.126	0.078		0.072	0.154
27	0.099	0.095	0.13	0.146		0.074	0.151
30	0.098	0.095	0.135				0.115
33	0.098	0.095	0.136				0.096
36		0.095	0.136				
39		0.095	0.137				
42		0.095	0.137				
45			0.138				
mean	0.099	0.096	0.126	0.086	0.087	0.077	0.142
stdev	0.001	0.001	0.009	0.021	0.001	0.003	0.018

Table H11 Conductivity profiles of location 6 during monthly sampling in 1990.

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DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	0.145	0.147	0.136	0.113	0.124	0.125	0.137
3	0.145	0.147	0.138	0.121	0.124	0.126	0.136
6	0.146	0.146	0.137	0.144	0.122	0.127	0.136
9	0.145	0.146	0.137	0.148	0.121	0.127	0.135
12	0.147	0.146	0.137	0.147	0.125	0.126	0.136
15	0.144	0.148	0.138	0.148	0.135	0.129	0.135
18	0.144	0.148	0.140	0.148	0.137	0.130	0.135
21	0.145	0.149	0.140	0.148	0.134		0.135
24	0.144	0.146	0.141	0.148	0.140		0.133
27	0.145	0.145	0.146	0.146	0.141		0.135
30	0.144	0.145	0.146	0.148	0.143		0.134
33	0.144	0.146	0.145	0.147	0.138		0.133
36	0.145	0.146	0.147	0.147	0.140		
39		0.147	0.144	0.145			
42			0.145	0.147			
45				0.147			
mean	0.145	0.147	0.141	0.143	0.133	0.127	0.135
stdev	0.001	0.001	0.004	0.010	0.008	0.002	0.001

Table H12 Conductivity profiles of all locations during May sampling period in 1990.

DEPTH	LOCATIONS								
	1	2	3	4	5	6	7	8	9
0	0.138	0.141	0.142	0.086	0.02	0.124	0.134	0.136	0.135
3	0.138	0.141	0.141	0.086	0.089	0.124	0.133	0.136	0.135
6	0.139	0.141	0.142	0.088	0.089	0.122	0.131	0.136	0.135
9	0.139	0.141	0.141	0.087		0.121	0.133	0.134	0.135
12	0.139	0.142	0.141	0.088		0.125	0.134	0.133	0.134
15	0.139	0.141	0.143	0.088		0.135	0.134	0.135	0.135
18	0.139	0.142	0.141	0.088		0.137	0.134	0.134	0.135
21	0.139	0.14	0.139			0.139	0.134	0.134	0.134
24	0.14	0.14	0.14			0.14	0.134	0.133	0.135
27		0.14	0.14			0.141	0.134	0.134	0.134
30		0.14	0.14			0.143	0.134	0.135	0.134
33		0.141	0.14			0.138	0.138	0.136	0.135
36		0.14				0.14		0.135	0.134
39									0.134
42									0.134
45									0.133
48									0.135
51									0.135
54									0.136
mean	0.139	0.141	0.141	0.087	0.066	0.133	0.134	0.135	0.135
stdev	0.001	0.001	0.001	0.001	0.048	0.008	0.002	0.001	0.001

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Table H13 ORP profiles of location 4 during monthly sampling in 1990.

DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	0.316	0.262	0.223	0.254	0.214	0.157	0.195
3	0.312	0.258	0.222	0.253	0.211	0.153	0.186
6	0.309	0.256	0.222	0.254	0.212	0.153	0.183
9	0.307	0.254	0.221	0.255	0.214	0.154	0.182
12	0.304	0.253	0.222	0.256	0.215	0.158	0.186
15	0.303	0.252	0.222	0.257	0.216	0.164	0.188
18	0.302	0.251	0.222	0.258	0.217	0.168	0.186
21	0.301	0.250	0.222	0.259			0.189
24	0.300	0.250	0.222	0.259			0.191
27	0.300	0.250	0.222				0.192
30	0.299	0.250	0.222				0.192
33	0.299	0.250	0.221				0.196
36		0.249	0.221				
42		0.249	0.221				
45			0.221				
mean	0.304	0.252	0.222	0.256	0.214	0.158	0.189
stdev	0.006	0.004	0.001	0.002	0.002	0.006	0.004

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Table H14 ORP profiles of location 6 during monthly sampling in 1990.

DEPTH	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	SEPTEMBER
0	0.285	0.190	0.216	0.253	0.206	0.157	0.138
3	0.275	0.182	0.215	0.240	0.201	0.153	0.138
6	0.271	0.179	0.216	0.230	0.201	0.153	0.140
9	0.270	0.176	0.216	0.227	0.201	0.154	0.142
12	0.269	0.175	0.217	0.227	0.202	0.158	0.144
15	0.268	0.174	0.217	0.228	0.204	0.164	0.145
18	0.268	0.172	0.217	0.228	0.205	0.168	0.146
21	0.268	0.172	0.217	0.229	0.206		0.150
24	0.268	0.171	0.217	0.230	0.207		0.153
27	0.268	0.172	0.217	0.231	0.208		0.154
30	0.268	0.172	0.217	0.231	0.209		0.156
33	0.268	0.172	0.217	0.232	0.209		0.157
36	0.269	0.172	0.217	0.233	0.210		
39		0.172	0.217	0.233			
42			0.217	0.234			
45				0.234			
mean	0.270	0.175	0.217	0.233	0.205	0.158	0.147
stdev	0.005	0.005	0.001	0.006	0.003	0.006	0.007

Table H15 ORP profiles of all locations during May sampling period in 1990.

DEPTH	LOCATIONS								
	1	2	3	4	5	6	7	8	9
0	0.228	0.211	0.206	0.214	0.241	0.206	0.224	0.243	0.183
3	0.225	0.209	0.203	0.211	0.234	0.201	0.22	0.234	0.171
6	0.222	0.208	0.205	0.212	0.23	0.201	0.22	0.485	0.168
9	0.22	0.209	0.206	0.214		0.201	0.226	0.229	0.168
12	0.22	0.21	0.206	0.215		0.202	0.228	0.229	0.169
15	0.22	0.211	0.206	0.216		0.204	0.229	0.237	0.17
18	0.219	0.212	0.206	0.217		0.205	0.23	0.236	0.171
21	0.22	0.212	0.207			0.206	0.231	0.305	0.172
24	0.22	0.212	0.207			0.207	0.232	0.276	0.173
27		0.212	0.207			0.208	0.232	0.24	0.174
30		0.212	0.208			0.209	0.232	0.238	0.174
33		0.213	0.208			0.209	0.232	0.24	0.175
36		0.213				0.21		0.265	0.176
39									0.176
42									0.176
45									0.177
48									0.178
51									0.179
54									0.18
mean	0.22	0.21	0.21	0.21	0.24	0.21	0.23	0.27	0.17
stdev	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.07	0.00

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