

Attachment 16

2006 FISH SAMPLING REPORT
DRIFT CREEK DAM AND RESERVOIR PROJECT
MARION COUNTY, OREGON

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ELLIS ECOLOGICAL SERVICES, INC.
2006 FISH SAMPLING REPORT FOR DRIFT CREEK DAM PROJECT

Introduction

Fish sampling was conducted at seven sites in Drift Creek and its tributaries, including three sites within the proposed Drift Creek Reservoir footprint. The purpose of the sampling was to collect additional data on fish populations within various reaches of Drift Creek, including the portion of the Drift Creek watershed that could potentially be affected by the proposed dam and reservoir. Particular attention was focused on migratory native fishes including federally listed Upper Willamette River Steelhead Trout (threatened) and Upper Willamette River Chinook Salmon (threatened). This report contains a summary of the general sampling site characteristics and the fish species collected at each sampling site. A brief description of the methods used also is presented.

Methods

Seven sampling sites were established at the locations shown in Figure 1. The sites were selected to provide representation of fish populations above, within, and downstream from the proposed reservoir footprint. Fish sampling was limited to stream reaches where landowner permission was received. The sampling sites included Drift Creek at the proposed dam site (Reach 1) and approximately 2.5 miles downstream (Reach 2). Drift Creek and an unnamed tributary were also surveyed at the same sites sampled in 2005 (Reaches 3, 4, and 5). In addition, both the East Fork (Reach 6) and West Fork (Reach 7) of Drift Creek were sampled approximately 0.3 miles upstream from their confluence.

At each sampling site, a representative reach of stream was established that included the variety of habitats (i.e., pools, riffles, runs and glides) typical of that section of stream. Each survey reach was approximately 20 stream widths in length. A global positioning system (GPS) was used to establish coordinates for the upstream and downstream ends of the sampling reaches for future map presentation and documentation of reach lengths.

Fish sampling at each sampling site was conducted with a Smith-Root Model 12 backpack electrofisher. Fish stunned by the electrofisher were netted, placed in a bucket of clean water, identified, measured to the nearest millimeter, and released back to the stream. The fish data were recorded on standard data sheets and later transferred to computer spreadsheets.

Results

Fish sampling was conducted on June 8, 9, and 29, 2006. Table 1 provides information on the location, habitat types sampled, lot number, and land owners for the seven sampling sites. Table 2 summarizes the sites sampled and species collected. Cutthroat

trout (*Oncorhynchus clarki*) and coho salmon (*Oncorhynchus kisutch*) were the only salmonid species collected in the study area. No Federally listed fish species (steelhead trout, spring chinook) were found during the surveys. The cutthroat trout ranged in size from 46 mm to 215 mm. Cutthroat trout greater than six inches (152.4 mm) are generally considered adults. The coho salmon ranged from 64 mm to 81 mm. These juveniles likely hatched earlier in the year and are utilizing rearing habitat within the reservoir footprint. Other fish captured during fish surveys included Pacific lamprey, redbreasted shiner, speckled dace, Northern pikeminnow, and sculpin. The number of cutthroat trout and coho salmon captured at each site is shown in Table 2. Appendix A provides a summary of each of the fish collected and measured as well as any pertinent comments.

Spawning habitat for salmonids is limited to Drift Creek and the East and West Forks at the far upper portion of the footprint. Although no listed steelhead were captured during the surveys in June 2006 or previous Drift Creek surveys in April 2005, there are no barriers to migration that could prevent steelhead from accessing Drift Creek, as evidenced by the presence of coho salmon within the footprint. Future sampling efforts at the same sampling sites should be conducted to gain additional data on fish use in Drift Creek and its tributaries.

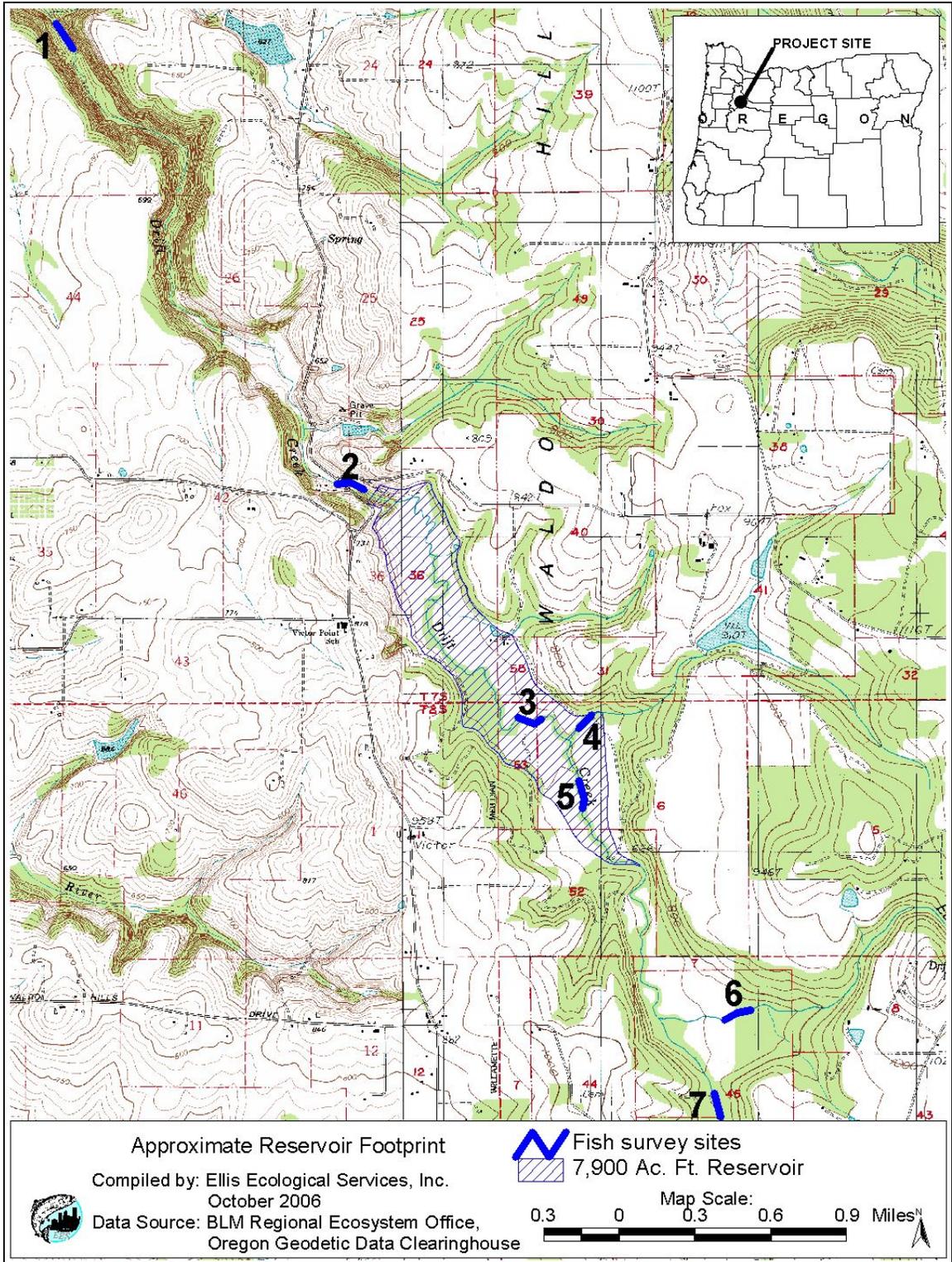


Figure 1. Location of 2006 fish sampling sites.

Table 1. General information on location and habitat conditions and ownership of each reach of stream sampled.

| Reach ID | Location | Habitat Type | Bankfull width (ft.) | Lot number(s) | Owner |
|----------|---|-----------------|---------------------------------------|-----------------------------|-------------------------|
| R1 | Reach 1 - Drift Cr. below dam site | riffle/ run | 30 | 71W14 01200 | S. Klopfenstein |
| R2 | Reach 2 - Drift Cr. @ dam site | riffle/run/pool | Not surveyed | 71W36 00600 | N. Qualey |
| R3 | Reach 3 - Drift Cr. mainstem-lower survey reach | glide/pool | 26.2 (downstream)- 28.9 (upstream) | 81E06 00400, 81E06 00500 | D. Fennimore, F. Fox |
| R4 | Reach 4 - Tributary to Drift Cr. | riffle/run/pool | 9.5 (downstream)- 7.2 (upstream) | 81E06 00400 | F. Fox |
| R5 | Reach 5 - Drift Cr. mainstem-upper survey reach | riffle/run/pool | Not surveyed | 81E06 00400, 81E06 00700 | F. Fox |
| R6 | Reach 6 - East Fork Drift Cr. | riffle/run/pool | 22 | 81E07 00700 | M. Fischer |
| R7 | Reach 7 - West Fork Drift Cr. | riffle/run/pool | 19 | 81E07 00700 | M. Fischer |

Table 2. Drift Creek fish survey summary.

| Reach ID | Location | Date Surveyed | Species collected ¹ |
|----------|---|---------------|----------------------------------|
| R1 | Lower Drift Creek | 6/8/06 | CT (2), DA, RS, SCP |
| R2 | Drift Creek, at dam site | 6/8/06 | CT (11), DA, RS, NP, SCP |
| R3 | Drift Creek, reservoir footprint, lower reach | 6/29/06 | CT (1), DA, LP, RS, NP, SCP |
| R4 | Unnamed tributary to Drift Creek | 6/29/06 | CT (20), CO (3), DA, NP, RS, SCP |
| R5 | Drift Creek, reservoir footprint, upper reach | 6/29/06 | CO (2), DA, LP, NP, RS, SCP |
| R6 | East Fork Drift Cr. | 6/9/06 | CT (18), DA, NP, RS, SCP |
| R7 | West Fork Drift Cr. | 6/9/06 | CT(8), DA, NP, RS, SCP |

Species key: CT=Cutthroat Trout, CO= Coho Salmon, DA= Dace, *sp.*, LP=Lamprey, RS=Redside Shiner, NP= Northern Pikeminnow, SCP=Sculpin, *sp.*

¹Number in Parenthesis represents respective number of cutthroat trout and coho salmon found at each reach.

APPENDIX A

**INDIVIDUAL FISH COLLECTION DATA FOR EACH SITE SAMPLED FOR
THE DRIFT CREEK DAM PROJECT**

| ID | Location | Date | Species | Length (mm) | Comments | Notes |
|----|----------------------------|--------|---------|-------------|----------|-------|
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | CT | 192 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | CT | 55 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 41 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 41 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 52 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 34 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 53 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 52 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 55 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 69 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 68 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 38 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 72 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 58 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 58 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 70 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 30 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 40 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 42 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 43 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 40 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 41 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 33 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 48 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 40 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 41 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 31 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 31 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | DA | 32 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 68 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 38 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 74 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 73 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 28 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 55 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 79 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 30 | mort | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 27 | mort | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 70 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 32 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 32 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | RS | 28 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 94 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 92 | | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 91 | | |

| | | | | | |
|----|----------------------------------|--------|-----|-----|-------------|
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 96 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 77 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 98 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 95 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 53 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 53 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 76 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 45 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 44 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 42 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 65 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 61 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 80 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 40 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 40 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 45 | |
| R1 | Reach 1- Lower Drift Creek | 6/8/06 | SCP | 42 | |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | CT | 157 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | CT | 119 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | CT | 118 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | CT | 123 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | CT | 102 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | CT | 57 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | CT | 46 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | NPM | 79 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | NPM | 75 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | NPM | 61 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | RS | 86 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | RS | 61 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 92 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 45 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 51 | 1st release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 82 | 1st release |

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|----|-------------------------------------|--------|-----|---------|-------------|
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | SCP | 70 | 1st release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | CT | 183 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 59 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 78 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 76 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 78 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 85 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 58 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 60 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 48 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 45 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 34 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | RS | 25 mort | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | SCP | 63 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | SCP | 76 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | SCP | 74 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | SCP | 48 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | SCP | 50 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | DA | 60 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | DA | 50 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | DA | 47 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | DA | 30 | 2nd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | CT | 59 | 3rd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | CT | 49 | 3rd release |
| R2 | site Reach 2- Drift Creek at dam | 6/8/06 | CT | 52 | 3rd release |

| | | | | | |
|----|----------------------------------|---------|-----|---------|-------------|
| | site | | | | |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 61 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 63 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 65 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 52 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 43 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 60 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 74 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | SCP | 49 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | DA | 57 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | DA | 31 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | DA | 67 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | DA | 52 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | DA | 32 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | RS | 75 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | RS | 80 mort | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | RS | 52 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | RS | 88 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | RS | 56 | 3rd release |
| R2 | Reach 2- Drift Creek at dam site | 6/8/06 | RS | 42 | 3rd release |
| R3 | Reach 3- Drift Creek | 6/29/06 | CT | 175 | |
| R3 | Reach 3- Drift Creek | 6/29/06 | DA | 51 | |
| R3 | Reach 3- Drift Creek | 6/29/06 | DA | 53 | |
| R3 | Reach 3- Drift Creek | 6/29/06 | LP | 120 | |
| R3 | Reach 3- Drift Creek | 6/29/06 | LP | 120 | |
| R3 | Reach 3- Drift Creek | 6/29/06 | NP | 48 | |
| R3 | Reach 3- Drift Creek | 6/29/06 | NP | 52 | |
| R3 | Reach 3- Drift Creek | 6/29/06 | NP | 35 mort | |
| R3 | Reach 3- Drift Creek | 6/29/06 | RS | 66 | |
| R3 | Reach 3- Drift Creek | 6/29/06 | RS | 70 | |

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|----|----------------------|---------|----|----|
| R3 | Reach 3- Drift Creek | 6/29/06 | RS | 67 |
| R3 | Reach 3- Drift Creek | 6/29/06 | RS | 78 |
| R3 | Reach 3- Drift Creek | 6/29/06 | RS | 48 |
| R3 | Reach 3- Drift Creek | 6/29/06 | RS | 83 |
| R3 | Reach 3- Drift Creek | 6/29/06 | RS | 51 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 80 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 60 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 54 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 72 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 54 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 58 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 63 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 56 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 63 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 65 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 89 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 67 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 61 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 52 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 80 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 72 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 80 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 50 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 74 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 54 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 76 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 62 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 40 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 62 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 47 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 47 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 40 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 54 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 65 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 48 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 42 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 50 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 63 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 62 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 54 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 38 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 40 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 52 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 58 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 52 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 68 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 62 |

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|----|-----------------------------------|---------|----|---------|
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 51 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 53 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 61 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 53 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 58 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 63 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 52 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 42 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 73 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 58 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 62 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 67 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 60 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 55 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 68 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 55 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 61 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 55 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 42 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 42 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 42 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 41 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 61 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 43 |
| R3 | Reach 3- Drift Creek | 6/29/06 | SC | 50 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CO | 81 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CO | 72 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CO | 66 mort |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 72 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 215 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 90 mort |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 186 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 185 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 140 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 150 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 111 |

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|----|-----------------------------------|---------|----|-----|
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 125 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 135 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 65 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 115 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 68 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 72 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 76 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 65 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 61 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 55 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 111 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | CT | 105 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | RS | 82 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | RS | 75 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | DA | 70 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | DA | 55 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 52 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 65 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 71 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 70 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 72 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 72 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 73 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 55 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 71 |

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|----|--------------------------------|---------|----|---------|
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 52 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 75 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 66 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 71 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 61 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 56 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 65 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 50 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 55 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 70 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 70 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 65 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 52 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 80 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 62 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 55 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 62 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | SC | 55 |
| R4 | Reach 4- Drift Creek Tributary | 6/29/06 | NP | 65 |
| | | 6/29/06 | | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | CO | 66 |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | CO | 64 |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 50 mort |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 51 mort |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 50 mort |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 92 |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 85 |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 80 |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 78 |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 72 |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 62 |

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|----|------------------------------|---------|-----|-----|-------------|
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 70 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | RS | 63 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 126 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 120 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 100 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 95 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 122 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 85 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 45 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 73 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 85 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 60 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | SC | 62 | plus 2 obs |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | DA | 35 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | DA | 45 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | DA | 52 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | DA | 48 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | DA | 45 | plus 1 obs |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | PM | 73 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | PM | 65 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | PM | 61 | |
| R5 | Reach 5-Drift Creek Upper | 6/29/06 | LA | 110 | |
| | | | | | |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 175 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 170 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 160 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 122 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 176 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 105 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 140 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 115 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 125 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 175 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 50 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 65 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 83 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 123 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 94 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 93 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 68 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 52 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 62 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 62 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | RS | 60 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 71 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 88 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 74 | 1st release |

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|----|------------------------------|--------|-----|----------------|-------------|
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 92 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 89 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 96 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 61 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 73 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 48 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 76 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 55 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 58 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 52 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 40 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 53 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 60 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 55 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 48 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 54 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 50 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 52 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 60 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | NPM | 62 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | NPM | 48 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | NPM | 45 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | NPM | 49 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | NPM | 52 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | NPM | 55 | 1st release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 43 add. 5 obs. | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | CT | 46 | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | DA | 65 | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 90 | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 111 | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 96 | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 71 | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 72 | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 61 | 2nd release |
| R6 | Reach 6- East Fork Drift Cr. | 6/9/06 | SCP | 55 | 2nd release |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | RS | 56 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | RS | 86 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | RS | 85 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | RS | 84 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | RS | 87 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | RS | 72 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | RS | 68 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | CT | 195 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | CT | 198 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | CT | 124 | |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | CT | 125 | |

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| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | CT | 60 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | CT | 155 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | CT | 95 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | CT | 95 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | DA | 56 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | DA | 52 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | DA | 54 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | DA | 65 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | DA | 52 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | DA | 52 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | DA | 40 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 61 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 64 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 54 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 66 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 52 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 64 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 50 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 75 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 63 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 52 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 40 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 58 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 50 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 46 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 48 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 44 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 52 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 56 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 53 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 67 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 85 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 65 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 60 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 33 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 52 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 45 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 62 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 45 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 33 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 55 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 60 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 60 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 45 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 60 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 38 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 51 |

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|----|------------------------------|--------|-----|----|
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 40 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 35 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 58 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 56 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 52 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 45 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 42 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 55 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | SCP | 60 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | NP | 64 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | NP | 55 |
| R7 | Reach 7- West Fork Drift Cr. | 6/9/06 | NP | 41 |

Species Codes: CO= Coho Salmon, CT = Cutthroat Trout, DA = Dace, *sp.*, LP = Lamprey, NP= Northern Pikeminnow, RS = Redside Shiner, SCP = Sculpin, *sp.*