

Attachment 11

Columbia River Fish Mitigation Project
Prel. FY05 SCT Measures Worksheet
and outyears

7/15/04

| Line | Activity Type (current year) | Project | Measure | Thru 02 | FY03 | FY04 | FY04 | FY05 | FY05 | FY06 | FY06 | FY07 | FY07 | FY08 | FY08 | FY09 | FY09 | FY10 | FY10 | Total FY 03-10 | FY11+ | Corps priority FY04 |
|------|------------------------------|---------|--|------------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|----------------|---------|---------------------|
| | | | | Estimate (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | | | |
| 1 | I | Bonn | B2 surface bypass | 5,290 | 33,004 | 3,000 | 3,000 | 2,250 | 2,250 | 350 | 350 | | 0 | | 0 | | 0 | | 0 | 38,604 | | 0.0 |
| 2 | I | Bonn | B2 DSM, monitoring and outfall | 51,474 | 502 | 700 | 3,700 | 200 | 2,450 | | 350 | | 0 | | 0 | | 0 | | 0 | 1,402 | | 0.0 |
| 3 | S | Bonn | Juvenile fish passage studies | 6,787 | 2,028 | 4,175 | 7,875 | 6,200 | 8,650 | 300 | 650 | | 0 | | 0 | | 0 | | 0 | 12,703 | | 1.0 |
| 4 | S | Bonn | PH 2 FGE | 6,486 | 1,076 | 2,150 | 10,025 | 2,695 | 11,345 | 6,290 | 6,940 | 3,060 | 3,060 | | 0 | | 0 | | 0 | 15,271 | | 1.0 |
| 5 | S | Bonn | Flat plate PIT tag detector | 175 | 14 | 5 | 10,030 | | 11,345 | | 6,940 | | 3,060 | | 0 | | 0 | | 0 | 19 | | 1.0 |
| 6 | I | Bonn | PH 2 AWS | 1,140 | 315 | 25 | 10,055 | | 11,345 | | 6,940 | | 3,060 | | 0 | | 0 | | 0 | 340 | | 1.0 |
| 7 | I | Bonn | Adult PIT | 2,420 | 59 | 255 | 10,310 | 1,270 | 12,615 | 1,130 | 8,070 | | 3,060 | | 0 | | 0 | | 0 | 2,714 | | 1.0 |
| 8 | I | Bonn | PH 2 fish units intake debris | 109 | 67 | 370 | 10,680 | | 12,615 | | 8,070 | | 3,060 | | 0 | | 0 | | 0 | 437 | | 2.0 |
| 9 | S | Bonn | B1 surface bypass (incl decision doc.) | 45,235 | 62 | 1,143 | 11,823 | 55 | 12,670 | 130 | 8,200 | | 3,060 | | 0 | | 0 | | 0 | 1,390 | | 2.1 |
| 10 | I | Bonn | PH1 DSM, monitoring and outfall | 8,973 | 3 | 0 | 11,823 | 1,480 | 14,150 | 7,840 | 16,040 | 33,265 | 36,325 | 32,035 | 32,035 | 1,380 | 1,380 | 550 | 550 | 76,553 | 1,700 | 2.9 |
| 11 | I | Bonn | PH1 FGE | 10,256 | 65 | 37 | 11,860 | 805 | 14,955 | 725 | 16,765 | 6,170 | 42,495 | 13,200 | 45,235 | 7,450 | 8,830 | 0 | 550 | 28,452 | 610 | 2.9 |
| 12 | I | Bonn | PH2 gatewell debris cleaning | 195 | | 0 | 11,860 | 50 | 15,005 | 650 | 17,415 | 725 | 43,220 | | 45,235 | | 8,830 | | 550 | 1,425 | | 3.0 |
| 13 | I | Bonn | Flow deflectors | 8,715 | 383 | 0 | 11,860 | 230 | 15,235 | | 17,415 | | 43,220 | | 45,235 | | 8,830 | | 550 | 613 | | 3.0 |
| 14 | S | Bonn | Adult fallback | 1,138 | 0 | | 11,860 | | 15,235 | | 17,415 | | 43,220 | | 45,235 | | 8,830 | | 550 | 0 | 550 | 10.0 |
| 15 | I | IH | RSW | | 860 | 6,040 | 17,900 | 14,180 | 29,415 | 4,260 | 21,675 | | 43,220 | | 45,235 | | 8,830 | | 550 | 25,340 | | 0.0 |
| 16 | I | IH | Auxiliary water supply | 6,229 | 2,031 | 180 | 18,080 | 195 | 29,610 | | 21,675 | | 43,220 | | 45,235 | | 8,830 | | 550 | 2,406 | | 1.0 |
| 17 | S | IH | Survival/efficiency study | 32 | 2,431 | 2,375 | 20,455 | 255 | 29,865 | | 21,675 | | 43,220 | | 45,235 | | 8,830 | | 550 | 5,061 | | 1.0 |
| 18 | I | IH | PIT tag detector-main transportation | | 23 | 174 | 20,629 | 545 | 30,410 | | 21,675 | | 43,220 | | 45,235 | | 8,830 | | 550 | 742 | | 1.0 |
| 19 | I | IH | Adult PIT detectors | 133 | 881 | | 20,629 | | 30,410 | | 21,675 | | 43,220 | | 45,235 | | 8,830 | | 550 | 881 | | 10.0 |
| 20 | I | IH | BGS | | | | 20,629 | 500 | 30,910 | 2,055 | 23,730 | 11,845 | 55,065 | 10,675 | 55,910 | 3,045 | 11,875 | | 550 | 28,120 | | |
| 21 | S | JD | John Day mitigation evaluation | 2,756 | 50 | 120 | 20,749 | 125 | 31,035 | 130 | 23,860 | 175 | 55,240 | 135 | 56,045 | | 11,875 | | 550 | TBD | | 0.0 |
| 22 | I | JD | John Day ladder jumping and holding | 771 | 2,545 | 30 | 20,779 | 30 | 31,065 | | 23,860 | | 55,240 | | 56,045 | | 11,875 | | 550 | 2,605 | | 1.0 |
| 23 | S | JD | Configuration decision doc. & surface bypass placeholder | 6,664 | 268 | 270 | 21,049 | 515 | 31,580 | 6,000 | 29,860 | 25,000 | 80,240 | 25,000 | 81,045 | 5,000 | 16,875 | 11,000 | 11,550 | 73,053 | 11000 | 1.8 |
| 24 | I | JD | Extended length screens | 17,374 | 169 | 550 | 21,599 | 750 | 32,330 | 4,150 | 34,010 | 15,000 | 95,240 | 15,000 | 96,045 | 14,000 | 30,875 | 3,000 | 14,550 | 52,619 | 300 | 2.0 |
| 25 | S | JD | Biological studies | 11,017 | 4,122 | 460 | 22,059 | 1,900 | 34,230 | 1,900 | 35,910 | 6,270 | 101,510 | 6,270 | 102,315 | | 30,875 | | 14,550 | 20,922 | | 2.2 |
| 26 | S | JD | North shore AWS | 222 | 1 | 0 | 22,059 | 500 | 34,730 | 350 | 36,260 | 10,150 | 111,660 | 10,450 | 112,765 | 500 | 31,375 | 50 | 14,600 | 22,001 | (90/FY) | 2.3 |
| 27 | I | JD | Adult PIT | | 0 | 0 | 22,059 | 215 | 34,945 | 595 | 36,855 | 2,150 | 113,810 | | 112,765 | | 31,375 | | 14,600 | 2,960 | | 2.5 |
| 28 | I | JD | Less intrusive PIT tag | | 0 | 0 | 22,059 | 100 | 35,045 | 200 | 37,055 | | 113,810 | | 112,765 | | 31,375 | | 14,600 | 300 | | 3.0 |
| 29 | I | JD | Gas fast track | 125 | 0 | 0 | 22,059 | | 35,045 | | 37,055 | | 113,810 | | 112,765 | | 31,375 | | 14,600 | 0 | | 10.0 |
| 30 | S | JD | Ladder temperature | 13 | | | 22,059 | | 35,045 | | 37,055 | | 113,810 | | 112,765 | | 31,375 | | 14,600 | 0 | | 10.0 |
| 31 | I | LGo | Extended length screens | 26 | 8 | 286 | 22,345 | 100 | 35,145 | | 37,055 | | 113,810 | | 112,765 | | 31,375 | | 14,600 | 394 | | 1.5 |
| 32 | S | LGo | Survival/efficiency study | | 0 | 0 | 22,345 | 3,020 | 38,165 | 2,900 | 39,955 | 2,500 | 116,310 | | 112,765 | | 31,375 | | 14,600 | 8,420 | | 2.3 |

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|------|------------------------------|---------|--|---------|------------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|-------|
| | | | | | Estimate (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | 03-10 |
| 33 | S | LGo | Flow deflectors and divider wall evaluations | 2,463 | 218 | 0 | 22,345 | 550 | 38,715 | 385 | 40,340 | 2,180 | 118,490 | | 112,765 | | 31,375 | | 14,600 | 3,333 | | 3.0 |
| 34 | I | LGo | Juv. fac. PIT tag improvements | 2 | 46 | | 22,345 | | 38,715 | | 40,340 | | 118,490 | | 112,765 | | 31,375 | | 14,600 | 46 | | 10.0 |
| 35 | I | LGo | Adult PIT detectors | | | 0 | 22,345 | | 38,715 | | 40,340 | | 118,490 | | 112,765 | | 31,375 | | 14,600 | 0 | | 10.0 |
| 36 | I | LGo | Trash shear boom | | 0 | 0 | 22,345 | | 38,715 | | 40,340 | | 118,490 | | 112,765 | | 31,375 | | 14,600 | 0 | | 10.0 |
| 37 | I | LGo | Auxiliary water supply | 982 | 59 | 0 | 22,345 | | 38,715 | | 40,340 | | 118,490 | | 112,765 | | 31,375 | | 14,600 | 59 | | 10.0 |
| 38 | I | LGo | Removable spillway weir | | | | 22,345 | 1,733 | 40,448 | 7,554 | 47,894 | 9,554 | 128,044 | 3,000 | 115,765 | 350 | 31,725 | | 14,600 | 22,191 | | 10.0 |
| 39 | I | LGo | BGS | | | | 22,345 | | 40,448 | 760 | 1,500 | 2,055 | 130,099 | 17,000 | 132,765 | 2,750 | 34,475 | | 14,600 | 22,565 | | |
| 40 | I | LGr | Extended length screens | 30 | 8 | 272 | 22,617 | 95 | 40,543 | | 1,500 | | 130,099 | | 132,765 | | 34,475 | | 14,600 | 375 | | 1.5 |
| 41 | S | LGr | Surface bypass program | 79,185 | 4,549 | 2,104 | 24,721 | 3,358 | 43,901 | | 1,500 | | 130,099 | | 132,765 | | 34,475 | | 14,600 | 10,011 | | 2.1 |
| 42 | S | LGr | Flow deflectors and divider wall evaluations | 18 | 0 | 0 | 24,721 | 530 | 44,431 | 350 | 1,850 | 200 | 130,299 | 550 | 133,315 | | 34,475 | | 14,600 | 1,630 | | 3.0 |
| 43 | I | LGr | Adult PIT detectors | 74 | 457 | | 24,721 | | 44,431 | | 1,850 | | 130,299 | | 133,315 | | 34,475 | | 14,600 | 457 | | 10.0 |
| 44 | I | LGr | Auxiliary water supply | 686 | 756 | | 24,721 | | 44,431 | | 1,850 | | 130,299 | | 133,315 | | 34,475 | | 14,600 | 756 | | 10.0 |
| 45 | I | LGr | Juvenile bypass facility | | 0 | 0 | 24,721 | 300 | 44,731 | 400 | 2,250 | 9,325 | 139,624 | 10,375 | 143,690 | | 34,475 | | 14,600 | 20,400 | | 10.0 |
| 46 | S | LGr | Survival/efficiency study | | | 0 | 24,721 | | 44,731 | | 2,250 | | 139,624 | 2,500 | 146,190 | 2,500 | 36,975 | 250 | 14,850 | 5,250 | | 10.0 |
| 47 | I | LGr | Additional barge moorage | 70 | | | 24,721 | | 44,731 | | 2,250 | | 139,624 | | 146,190 | | 36,975 | | 14,850 | TBD | | 10.0 |
| 48 | S | LoMo | Survival/efficiency study | | 859 | 2,340 | 27,061 | 3,187 | 47,918 | 3,100 | 5,350 | 3,100 | 142,724 | | 146,190 | | 36,975 | | 14,850 | 12,586 | | 1.0 |
| 49 | I | LoMo | Barge loading improv.-dewaterer | | 274 | 106 | 27,167 | 108 | 48,026 | | 5,350 | | 142,724 | | 146,190 | | 36,975 | | 14,850 | 488 | | 1.0 |
| 50 | I | LoMo | RSW | | 0 | 267 | 27,434 | 2,550 | 50,576 | 14,112 | 19,462 | 3,250 | 145,974 | 2,850 | 149,040 | | 36,975 | | 14,850 | 23,029 | | 1.8 |
| 51 | I | LoMo | PIT tag detector-main transportation | | 4 | 0 | 27,434 | 177 | 50,753 | 545 | 20,007 | | 145,974 | | 149,040 | | 36,975 | | 14,850 | 726 | | 2.0 |
| 52 | S | LoMo | JBS outfall and divider wall | | 160 | 202 | 27,636 | 200 | 50,953 | 550 | 20,557 | 10,000 | 155,974 | | 149,040 | | 36,975 | | 14,850 | 11,112 | | 2.3 |
| 53 | I | LoMo | Flow deflectors | 2,166 | 1,228 | 120 | 27,756 | 140 | 51,093 | | 20,557 | | 155,974 | | 149,040 | | 36,975 | | 14,850 | 1,488 | | 2.3 |
| 54 | S | LoMo | ESBS evaluations | 17 | 0 | 0 | 27,756 | | 51,093 | | 20,557 | | 155,974 | 505 | 149,545 | 4000 | 40,975 | 3856 | 18,706 | 8,361 | | 10.0 |
| 55 | I | LoMo | Adult PIT detectors | | 0 | | 27,756 | | 51,093 | | 20,557 | | 155,974 | 500 | 150,045 | | 40,975 | | 18,706 | 500 | | 10.0 |
| 56 | I | LoMo | Auxiliary water supply | 580 | 27 | 26 | 27,782 | 100 | 51,193 | | 20,557 | | 155,974 | | 150,045 | | 40,975 | | 18,706 | 153 | (79/FY) | 10.0 |
| 57 | I | LoMo | BGS | | | | 27,782 | | 51,193 | 760 | 21,317 | 1,500 | 157,474 | 17,000 | 167,045 | 2,750 | 43,725 | | 18,706 | 22,010 | | |
| 58 | | McN | Gate and hoist rehab | | 75 | 2368 | 30,150 | 1330 | 52,523 | | 21,317 | | 157,474 | | 167,045 | | 43,725 | | 18,706 | 3,773 | | 1.0 |
| 59 | I | McN | Extended length screens | 35 | 37 | 5 | 30,155 | 255 | 52,778 | | 21,317 | | 157,474 | | 167,045 | | 43,725 | | 18,706 | 297 | | 1.5 |
| 60 | S | McN | Survival/efficiency study | 1,500 | 549 | 2,100 | 32,255 | 2,794 | 55,572 | 2,100 | 23,417 | 2,100 | 159,574 | | 167,045 | | 43,725 | | 18,706 | 9,643 | | 1.5 |
| 61 | S | McN | Turbine survival above 1% | | 0 | 0 | 32,255 | | 55,572 | | 23,417 | | 159,574 | | 167,045 | | 43,725 | | 18,706 | 0 | | 1.5 |
| 62 | S | McN | Temperature Control | 267 | 260 | 150 | 32,405 | 275 | 55,847 | | 23,417 | | 159,574 | | 167,045 | | 43,725 | | 18,706 | TBD | | 2.0 |
| 63 | I | McN | Juvenile fish facility debris | 355 | 2 | 0 | 32,405 | | 55,847 | | 23,417 | | 159,574 | | 167,045 | | 43,725 | | 18,706 | 2 | | 3.0 |
| 64 | I | McN | Flow deflectors and divider wall | 6,385 | 50 | 0 | 32,405 | 680 | 56,527 | 550 | 23,967 | 10,000 | 169,574 | | 167,045 | | 43,725 | | 18,706 | 11,280 | | 3.0 |
| 65 | I | McN | Adult PIT detectors | 1,179 | 4 | | 32,405 | | 56,527 | | 23,967 | | 169,574 | | 167,045 | | 43,725 | | 18,706 | 4 | | 10.0 |

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|------|------------------------------|---------|--|------------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|-------|---------------------|
| | | | | Estimate (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | Estimate (000's) | Cuml. (000's) | | |
| 66 | I | McN | Juvenile facility improvements | | 68 | | 32,405 | | 56,527 | | 23,967 | | 169,574 | | 167,045 | | 43,725 | | 18,706 | 68 | | 10.0 |
| 67 | I | McN | Removable spillway weir | | | 0 | 32,405 | | 56,527 | | 23,967 | 750 | 170,324 | 19,300 | 186,345 | 31,050 | 74,775 | 12,600 | 31,306 | 63,700 | | 10.0 |
| | I | McN | BGS | | | | | | | | 500 | 170,824 | 1,500 | 187,845 | 16,500 | 91,275 | 2,500 | 33,806 | 21,000 | | | |
| 68 | I | TD | Spillway modifications | 1,239 | 357 | 6,806 | 39,211 | 790 | 57,317 | 450 | 24,417 | 3,150 | 173,974 | 15,000 | 202,845 | 15,000 | 106,275 | | 33,806 | 41,553 | | 0.0 |
| 69 | S | TD | Spillway and sluiceway survival | 16,456 | 3,512 | 4,600 | 43,811 | 5,950 | 63,267 | 2,900 | 27,317 | 4,440 | 178,414 | 4,400 | 207,245 | 240 | 106,515 | | 33,806 | 26,042 | | 1.0 |
| 70 | S | TD | Surface bypass/forebay passage | 24,559 | 1,090 | 5,145 | 48,956 | 4,675 | 67,942 | 1,655 | 28,972 | 3,245 | 181,659 | 3,730 | 210,975 | 1,070 | 107,585 | | 33,806 | 20,610 | | 1.0 |
| 71 | S | TD | Decision document | | 225 | 150 | 49,106 | 40 | 67,982 | 540 | 29,512 | | 181,659 | | 210,975 | | 107,585 | | 33,806 | 955 | | 1.0 |
| 72 | S | TD | Spillway improvements studies | | 1,012 | 460 | 49,566 | 150 | 68,132 | 650 | 30,162 | 600 | 182,259 | | 210,975 | | 107,585 | | 33,806 | 2,872 | | 1.1 |
| 73 | I | TD | Adult channel dewatering | 1,830 | 4,349 | 63 | 49,629 | | 68,132 | | 30,162 | | 182,259 | | 210,975 | | 107,585 | | 33,806 | 4,412 | | 10.0 |
| 74 | I | TD | Sluiceway outfall/ emergency AWS | 4,977 | 0 | 0 | 49,629 | 300 | 68,432 | 1,100 | 31,262 | 0 | 182,259 | 0 | 210,975 | 17,550 | 125,135 | 16,000 | 49,806 | 34,950 | | 10.0 |
| 75 | S | TD | N. Shore AWS (new) | | | | 49,629 | 50 | 68,482 | | 31,262 | | 182,259 | | 210,975 | | 125,135 | | 49,806 | TBD | | 10.0 |
| 76 | I | TD | Adult PIT | | | 0 | 49,629 | 250 | 68,732 | 1,025 | 32,287 | | 182,259 | | 210,975 | | 125,135 | | 49,806 | 1,275 | | 10.0 |
| 77 | I | TD | Forebay passage device (curtain) | | | | | 440 | 69,172 | 1,580 | 33,867 | 21,750 | 204,009 | 15,050 | 226,025 | | 125,135 | | 49,806 | 38,820 | | |
| 78 | I | TD | Sluiceway improvement | | | | | 370 | 69,542 | 400 | 34,267 | 1,330 | 205,339 | | 226,025 | | 125,135 | | 49,806 | 2,100 | | |
| 79 | S | tSYSp | High flow PIT@ B2 corner collector | 109 | 431 | 3,725 | 3,725 | 4,410 | 73,952 | 1,155 | 35,422 | 120 | 205,459 | | 226,025 | | 125,135 | | 49,806 | 9,841 | | 1.0 |
| 80 | S | tSYSp | Investigate headburn | 189 | 158 | 40 | 3,765 | | 73,952 | | 35,422 | | 205,459 | | 226,025 | | 125,135 | | 49,806 | 198 | | 1.0 |
| 81 | S | tSYSp | Adult passage AFEP | 6,121 | 1,652 | 1,405 | 5,170 | 1,190 | 75,142 | 970 | 36,392 | 785 | 206,244 | | 226,025 | | 125,135 | | 49,806 | 6,002 | | 1.0 |
| 82 | S | tSYSp | RPA 179 | | 0 | 300 | 5,470 | | 75,142 | | 36,392 | | 206,244 | | 226,025 | | 125,135 | | 49,806 | 300 | | 1.0 |
| 83 | S | tSYSp | Lamprey passage studies | 1,240 | 244 | 270 | 5,740 | 450 | 75,592 | 580 | 36,972 | 1,410 | 207,654 | | 226,025 | | 125,135 | | 49,806 | 2,954 | | 1.5 |
| 84 | S | tSYSp | Turbine passage survival, Ph II | | | 810 | 6,550 | 2,590 | 78,182 | 3,070 | 40,042 | 2,370 | 210,024 | 1,180 | 227,205 | 2,870 | 128,005 | 5,150 | 54,956 | 18,040 | 300 | 2.1 |
| 85 | S | tSYSp | Turbine passage survival, Ph I | 14,155 | 393 | | 6,550 | | 78,182 | | 40,042 | | 210,024 | | 227,205 | | 128,005 | | 54,956 | 393 | | 10.0 |
| 86 | S | tSYSw | Multiple bypass accumulated | 1,864 | -27 | 0 | 5,740 | 0 | 78,182 | | 40,042 | | 210,024 | | 227,205 | | 128,005 | | 54,956 | -27 | | 1.0 |
| 87 | S | tSYSw | Delayed mortality of juvenile salmonids | 5,685 | 2,419 | 4,122 | 9,862 | 3,200 | 81,382 | 3,200 | 43,242 | 1,500 | 211,524 | 1,300 | 228,505 | | 128,005 | | 54,956 | 15,741 | | 1.0 |
| 88 | S | tSYSw | PIT tag recovery-estuary & avian isl. | 3,764 | 878 | 1,320 | 11,182 | 1,405 | 82,787 | 1,460 | 44,702 | 1,230 | 212,754 | | 228,505 | | 128,005 | | 54,956 | 6,293 | | 1.0 |
| 89 | S | tSYSw | Fish ladder transition pool and weir mods eval | 804 | 85 | 200 | 11,382 | 1,500 | 84,287 | 350 | 45,052 | 3,300 | 216,054 | 1,500 | 230,005 | | 128,005 | | 54,956 | 6,935 | | 1.0 |
| 90 | S | tSYSw | Evaluation of juv. fish separators | 6,964 | 144 | 200 | 11,582 | 115 | 84,402 | 200 | 45,252 | | 216,054 | | 230,005 | | 128,005 | | 54,956 | 659 | | 1.0 |
| 91 | S | tSYSw | Snake/McN decision document | | 313 | 410 | 11,992 | 440 | 84,842 | 395 | 45,647 | 350 | 216,404 | | 230,005 | | 128,005 | | 54,956 | 1,908 | | 1.0 |
| 92 | S | tSYSw | Flood control study | | 158 | 150 | 12,142 | | 84,842 | | 45,647 | | 216,404 | | 230,005 | | 128,005 | | 54,956 | 308 | | 1.0 |
| 93 | S | tSYSw | Adult passage temperature effects | 2,737 | 815 | 799 | 12,941 | 459 | 85,301 | 244 | 45,891 | 55 | 216,459 | | 230,005 | | 128,005 | | 54,956 | 2,372 | | 1.5 |
| 94 | S | tSYS | Survival study methodologies (formerly summer spill tests) | | | 150 | 13,091 | 250 | 85,551 | | 45,891 | | 216,459 | | 230,005 | | 128,005 | | 54,956 | 400 | | 2.0 |

