# Appendix D
# Post Processor Inputs

# FTABLES.csv

This file contains the channel geometry and discharge-elevation data used in HSPF. The file has the following format for each reach:

```
15                Number of lines of discharge-elevation data
1,12,0.06         Bank sideslope, channel bottom width, Manning's "n"
0,0               Elevation (ft), discharge (cfs)
0.2,2.66          Elevation (ft), discharge (cfs)
0.4,8.43          Elevation (ft), discharge (cfs)
0.6,16.54         Elevation (ft), discharge (cfs)
0.8,26.7          Elevation (ft), discharge (cfs)
1,38.73           Elevation (ft), discharge (cfs)
1.2,52.5          Elevation (ft), discharge (cfs)
1.4,67.95         Elevation (ft), discharge (cfs)
1.6,85.02         Elevation (ft), discharge (cfs)
1.8,103.65        Elevation (ft), discharge (cfs)
2,123.83          Elevation (ft), discharge (cfs)
4,408.06          Elevation (ft), discharge (cfs)
8,1443.51         Elevation (ft), discharge (cfs)
12,3184.35        Elevation (ft), discharge (cfs)
18,7362.11        Elevation (ft), discharge (cfs)
```

The data contained in the FTABLES.csv file follows:

```
15
1,12,0.06
0,0
0.2,2.66
0.4,8.43
0.6,16.54
0.8,26.7
1,38.73
1.2,52.5
1.4,67.95
1.6,85.02
1.8,103.65
2,123.83
4,408.06
8,1443.51
12,3184.35
18,7362.11
15
1,14,0.06
0,0
0.2,3.43
0.4,10.87
0.6,21.33
0.8,34.41
1,49.89
1.2,67.61
```

```
1.4,87.46
1.6,109.35
1.8,133.23
2,159.04
4,519.1
8,1799.9
12,3905.86
21,12263.77
16
1.5,20,0.045
0,0
0.2,3.68
0.4,11.69
0.6,23.02
0.8,37.28
1,54.22
1.3,84.35
1.7,132.84
2,175.2
2.3,222.55
2.7,293.34
3,352.14
6,1211.65
9,2596.6
12,4566.48
36,48712.37
16
1.5,23,0.045
0,0
0.2,4.15
0.4,13.2
0.6,25.99
0.8,42.06
1,61.14
1.3,95.03
1.7,149.46
2,196.9
2.3,249.83
2.7,328.77
3,394.17
6,1338.9
9,2535.59
12,4936.63
36,50457.43
16
1.5,30,0.045
0,0
0.2,4.64
0.4,14.75
0.6,29.03
0.8,46.94
1,68.19
1.3,105.86
1.7,166.19
2,218.59
2.3,276.88
2.7,363.51
```

```
3,435.02
6,1448.46
9,3008.6
12,5147.54
58,142706.41
17
1.5,35,0.045
0,0
0.2,5.06
0.4,16.08
0.6,31.63
0.8,51.14
1,74.27
1.3,115.24
1.7,180.76
2,237.6
2.3,300.75
2.7,394.44
3,471.65
6,1556.19
9,3202.02
12,5430.19
15,8276.35
58,141041.23
16
2,41,0.03
0,0
0.2,8.35
0.4,26.56
0.6,52.31
0.8,84.68
1,123.11
1.3,191.34
1.7,300.81
2,396.05
2.3,502.14
2.7,660.01
3,790.47
6,2647.03
9,5515.92
12,9455.89
24,37571.06
17
2,46,0.03
0,0
0.2,8.49
0.4,27.01
0.6,53.19
0.8,86.08
1,125.11
1.3,194.36
1.7,305.34
2,401.78
2.3,509.1
2.7,668.59
3,800.22
6,2660.86
```

```
9,5505.65
12,9376.55
15,14339.04
25,39708.38
18
2,50,0.03
0,0
0.2,9.93
0.4,31.59
0.6,62.19
0.8,100.62
1,146.22
1.3,227.07
1.7,356.56
2,469.02
2.3,594.06
2.7,779.75
3,932.87
6,3087.8
9,6359.15
12,10782.2
15,16421.67
25,44979.76
50,197754.51
18
2,56,0.03
0,0
0.2,11.22
0.4,35.67
0.6,70.22
0.8,113.6
1,165.03
1.3,256.2
1.7,402.07
2,528.65
2.3,669.29
2.7,877.93
3,1049.81
6,3455.64
9,7075.47
12,11929.84
15,18075.19
25,48802.16
50,209904.75
```

# Habitat Suitability Data

The habitat suitability criteria are contained in the following three files. The files have the following format for each species:

```
Optimum Vel,.7,1.76     Habitat parameter, lower value, upper value
Acceptable Vel,.16,2.3  Habitat parameter, lower value, upper value
Optimum d,.86,1.93      Habitat parameter, lower value, upper value
Acceptable d,.33,2.46   Habitat parameter, lower value, upper value
```

The habitat parameters must be listed in the order above.

The contents of the habitat suitability file for each species are listed below:

## Central Stoneroller.csv

```
Optimum Vel,.7,1.76
Acceptable Vel,.16,2.3
Optimum d,.86,1.93
Acceptable d,.33,2.46
```

## Fantail Darter.csv

```
Optimum Vel,.9,1.72
Acceptable Vel,.49,2.13
Optimum d,.45,.7
Acceptable d,.33,.82
```

## Smallmouth Bass.csv

```
Optimum Vel,.41,1.23
Acceptable Vel,0,1.64
Optimum d,1.68,4.06
Acceptable d,.49,5.25
```