

Table B-1. Rainbow Trout Spawning Habitat Suitability Curve Metadata.

| Curve ID | Used for MFP | Fish Characteristics | | Sample Size ¹ | | Stream Location | | | Stream Characteristics ² | | | | | | Sampling Info | | | | | Available HSC Curves | | | | | Notes | Reference | | | | | |
|---------------|--------------|----------------------|-----------|--------------------------|-----------------|-----------------|-------------|---------|-------------------------------------|-------|------------------------|------------------------|------------|-----------------------|----------------------|-----------------------|----------------|----------------------------|----------------------------|----------------------------------|----------------|-----------------|----------------------------|---------------------------------|-------|-----------|-------------------------|------------------------------|-------------|--|--|
| | | Species | Lifestage | Min Length (cm) | Max Length (cm) | No. HSC Obs | No. Fish | Country | State | River | Min Elevation (ft msl) | Max Elevation (ft msl) | Width (ft) | Mean Streamflow (cfs) | Low Streamflow (cfs) | High Streamflow (cfs) | Mean Slope (%) | Min Water Temperature (°F) | Max Water Temperature (°F) | Species Composition ³ | Site-Specific? | Sampling Season | Survey Design ⁴ | Observation Method ⁵ | | | Curve Type ⁶ | Curve Smoothing ⁷ | Total Depth | Mean Col | Focal |
| Bovee | Y | RBT | spawning | | | USA,CAN | OR,ID,BC | various | | | | | | | | | | | | N | | | | Cat I | | Y | Y | | Y | | Bovee 1978 |
| Raleigh | Y | RBT | spawning | | | USA,CAN | OR,ID,CA,BC | various | | | | | | | | | | | | N | | | | Cat I | | Y | Y | | Y | original substrate code modified to approximate Bovee code | Raleigh et al. 1984 |
| Roaring | Y | RBT | spawning | 13 | 30 | 73 | USA | CA | Roaring | 1,300 | 1,600 | 30-40 | 40 | | 4-6 | 45 | 50 | rbt,brn,scp | Y | Apr-May | total stream | DO uw | Cat II | | Y | Y | | Y | | TRPA unpublished HSC data | |
| UNFFR | Y | RBT | spawning | 15 | 40 | 172 | USA | CA | upper NF Feather | 2,300 | 3,500 | 40-50 | 35-150 | | 0.5-2.6 | 46 | 57 | rbt,skr,scp | Y | April | reaches | DO uw | Cat II | hist w Sturges rule | Y | Y | | Y | | TRPA 2002 | |
| Butt | Y | RBT | spawning | 15 | 40 | 57 | USA | CA | Butt Creek | 3,180 | 3,260 | 18 | 5-10 | | 4.5 | 48 | 52 | rbt | Y | April | reaches | DO uw | Cat II | hist w Sturges rule | Y | Y | | Y | | TRPA 2002 | |
| NF Kings | Y | RBT | spawning | | | 51 | USA | CA | NF Kings & tribs | | | | | <5 | 30 | low-high | | | | Y | | proportional | | Cat II | | Y | Y | | Y | original substrate code modified to approximate Bovee code | EA Engineering, Science, and Technology, Inc. 1987 |
| E Sierra | Y | RBT | spawning | | | 50 | USA | CA | various | 4,400 | 9,400 | 7-26 | | | low-high | | | | | Y | | reaches | | Cat III | | Y | Y | | Y | | Smith and Aceituno 1987 |
| Klamath River | Y | RBT | spawning | | | 66 | USA | CA | upper Klamath | 3,335 | 3,750 | 87 | 325 | | 1.7 | 55 | 62 | rbt,skr,scp, chub,imp | Y | July-Sept | EA | DO uw | Cat II | | | | | Y | | Only substrate HSC were used | TRPA 2004 |

¹# HSC observations is number of independent measurements at fish positions, # fish is total number of fish seen at the measurement locations

²stream habitat characteristics during the period of sampling for HSC

³species abbreviations: chs=chinook salmon, coh=coho salmon, sth=steelhead, rbt=rainbow trout (resident), brn=brown trout, brk=brook trout, bul=bull trout, cut=cutthroat trout, wtf=whitefish, skr=suckers, scp=sculpin, pkm=pikeminnow, hdh=hardhead, dac=dac

⁴survey design: sampling design used to collect hsc data, i.e. reaches - samples collected in representative reach(es), proportional - samples collected within mesohabitat types with effort in proportional to availability, equal-area - samples collected with effort equalized among habitat types

⁵observation method: DOuw-direct observation underwater (snorkeling/scuba), DOow-direct observation out-of-water (wading, boat, or bank observation), EF-electrofishing, VID-underwater video, NET-seining or other net capture, Other (see comments)

⁶curve type: Cat I - hand-drawn or a composite of various curves based on professional judgment, Cat II - based on habitat use data, Cat III - based on habitat use data adjusted by habitat availability data, Bio - bioenergetics hsc

⁷curve smoothing: method used (if any) to smooth raw observation or frequency histogram data

⁸see hsc data sets for cover and substrate coding details