

Table B-8. Sacramento Sucker Adult Habitat Suitability Curve Metadata.

| Curve ID | Used for MFP | Fish Characteristics | | | | Sample Size ¹ | | Stream Location | | | | Stream Characteristics ² | | | | | | | Sampling Info | | | | | | Available HSC Data | | | | | Comments | Reference | | | | | |
|--------------------------------|--------------|----------------------|------------|-----------------|-----------------|--------------------------|----------|-----------------|-------|------------------|------------------------|-------------------------------------|-----------------|----------------|----------------|-----------------------|----------------------|-----------------------|----------------|-----------------------------|----------------------------|----------------------------|----------------------------------|----------------|--------------------|----------------------------|---------------------------------|-------------------------|------------------------------|----------|-----------|-------------|----------|---|---|--------------------------|
| | | Species | Life-stage | Length Min (cm) | Length Max (cm) | No. HSC Obs | No. Fish | Country | State | River | Elevation Min (ft msl) | Elevation Max (ft msl) | Mean Width (ft) | Min Width (ft) | Max Width (ft) | Mean Streamflow (cfs) | Low Streamflow (cfs) | High Streamflow (cfs) | Mean Slope (%) | Mean Water Temperature (°F) | 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 | Cover ⁸ | Substrate ⁹ |
| Yosemite | Y | Sac | adult | 13 | 30 | 399 | | USA | CA | Eleanor, Cherry | | | | 15 | 36 | | 46 | 73 | | | | | Y | July-Aug | | | DO | II | | Y | Y | Y | | Y | curve points approximated from graphs | Baltz & Moyle 1984 |
| Pit Pref and Use | Y | Sac | adult | | | 256 | | USA | CA | Pit | 1445 | 2650 | 40 | 200 | | 50 | 150 | 0.9 | | | | skr,rbt,dkm,hdh,smb | Y | | | | DO | II and III | | Y | Y | | Y | Y | 2 methods used (utilization and preference; preference curve reweighted to equalize effort) | Baltz and Vondracek 1985 |
| Deer 3 Juv+Adult | Y | Sac | juv+adult | 10 | | 172 | | USA | CA | Deer | 500 | 1500 | 50 | | | 120 | 140 | | 59 | 70 | | skr,rbt,dkm,hdh | Y | Aug-Sept | pools | DO | II | | Y | Y | | | | only pools surveyed | Alley 1977 | |
| NFFR-Pref, Util, Density, PrAb | Y | Sac | adult | 16 | | 76 | 76 | USA | CA | lower NF Feather | 925 | 2010 | 70-106 | | | 96 | 131 | 0.75 | 64 | 72 | | skr,rbt,dkm,hdh,smb | Y | July-Aug | EA | DO | II, III, IV | | Y | Y | | Y | | 4 methods used (utilization, preference, pres-abs, density) | TRPA 2001 | |
| UNFFR | Y | Sac | adult | 16 | 46 | 89 | 132 | USA | CA | upper NF Feather | 2300 | 3500 | 40 | 80 | | 40 | 140 | 1.5 | 57 | 72 | | skr,rbt,dkm | Y | June-Aug | EA | DO | composite | | Y | Y | | Y | | 6 curve types developed, composite curve is based on average values, density HSC derived from quadrat counts according to depth and velocity ranges | TRPA 2002 | |

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, IV - incl bioenergetics, density, and presence/

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

⁸see hsc data sets for cover and substrate coding details