

Table B-2. Rainbow Trout Fry 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	Life-stage	Length Min (cm) Max (cm)	No. HSC Obs	No. Fish	Country	State	River	Elevation Min (ft msl) Max (ft msl)	Width Mean (ft) Min (ft) Max (ft)	Streamflow Low (cfs) High (cfs)	Mean Slope (%)	Water Temperature Mean (°F) Min (°F) Max (°F)	Species Composition ³	Site-Specific?	Sampling Season	Survey Design ⁴	Observ Method ⁵	Curve Type ⁶	Curve Smoothing ⁷	Total Depth	Velocity Mean Col	Focal	Cover ⁸	Substrate ³								
Bovee	N	RBT	fry				USA,CAN	OR,ID,BC	various																					Bovee 1978				
Raleigh	Y	RBT	fry				USA,CAN	OR,ID,CA,BC	various																					Original substrate code modified to approximate Bovee code.	Raleigh et al. 1984			
E Sierra	N	RBT	fry			50	USA	CA	various	4,400	9,400	7	26		low-high															Smith and Aceituno 1987				
Pit	Y	RBT	fry			61	USA	CA	Pit	1,445	2,650	40	200	50	150	0.7-1.1	65		rbt,skr,scp,hdh,pkm				PROP	DO uw	Cat III						Curve points taken from IFG HSC summary printout, preference estimated using electivity ratios, see data for definitions.	Baltz and Vondracek 1985		
Battle	Y	RBT	fry	2	4	212	USA	CA	Battle	1,400	3,000	14	29	4	108	1-5		36	73	rbt,scp			May-Dec	EA	DO uw	Cat II	polynomial regr						TRPA 2002	
MF Stanislaus Use	Y	RBT	fry			45	USA	CA	MF Stanislaus																					Used Stanislaus HSC.	TRPA 2002			
Alt Q's pref and util	Y	RBT	fry				USA	CA	Tule																					Not included intentionally.	Wise et al. 1987			
Up Klamath	Y	RBT	fry	2	4	175	186	USA	OR	upper Klamath	3,335	3,750	87		325 mean	1.7		55	62	rbt,skr,scp, chub,Imp			July-Sept	EA	DO uw	Cat III	3pt running means						TRPA 2004	
NFKings	Y	RBT	fry			51	-	USA	CA	NF Kings & tribs					<5	30	low-high							proportional		Cat II					Original substrate code modified to approximate Bovee code.	EA Engineering, Science, and Technology, Inc.		
Deer Use and Electivity	Y	RBT	fry					USA	CA	Deer	30	3,475			100	200		55		rbt,bm,skr,scp,hdh,pkm,rch,dac,smb			June-Oct	RCH	DO uw	Cat II and III	histogram						Curve points taken from IFG HSC summary printout.	Moyle & Baltz 1985
Yosemite	Y	RBT	fry			406		USA	CA	Eleanor, Cherry					15	36		46	73	rbt,skr,scp			July-Aug	RCH	DO uw	Cat II	histogram						Curve points approximated from graphs.	Baltz & Moyle 1984
Studley-Spina*	Y	BRN	fry					USA	CA																					Thomas Studley, Pers. Comm.				

*brown trout data
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