

Table B-6. Sacramento Pikeminnow Adult 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									
		Name	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)	Width Mean (ft)	Width Min (ft)	Width Max (ft)	Streamflow Mean (cfs)	Streamflow Low (cfs)	Streamflow High (cfs)	Mean Slope (%)	Water Temperature Mean (°F)	Water Temperature Min (°F)	Water Temperature Max (°F)	Species Composition ³			Site-Specific?	Sampling Season	Survey Design ⁴	Observation Method ⁵	Curve Type ⁶	Curve Smoothing ⁷	Total Depth	Velocity Mean Col	Focal
NFFR - Pref, Util, Density, PrAb	Y	Sac Pikeminnow	adult	>15		70	USA	CA	NF Feather	925	2010	avg 70-106				96	131	0.4-1.1	64	72	skr,rbt,pkm,hdh,smb	Y	July-Aug	EA	DO uw	II and III		Y	Y		Y			4 methods used (utilization, preference, pres-abs, density)	TRPA 2001
Pit Pref and Util	Y	Sac Pikeminnow	adult			97	USA	CA	Pit	1445	2650	40	200		50	150	0.7-1.1			skr,rbt,pkm,hdh,smb	Y	summer	RCH	DO uw	II and III		Y	Y		Y	Y		2 methods used (utilization and preference; preference curve reweighted to equalize effort)	Baltz and Vondracek 1985	
Deer Util and Electivity	Y	Sac Pikeminnow	adult	>16 SL		49	USA	CA	Deer	30	3,500	20	50		100	200	1		50	90			June-Oct			II and III		Y	Y	Y	Y		2 methods used (utilization and electivity)	Moyle and Baltz 1985	
Deer 3 Juv +Adult	Y	Sac Pikeminnow	adult	>10 TL		92	USA	CA	Deer	50	1500	50	60		120	140			59	70			Aug-Sept			II		Y	Y				only pools surveyed	Alley 1977	
W Sierra	Y	Sac Pikeminnow	adult	>12 TL		195	USA	CA	Sierra streams	203	1,460	6	59				0.1-2.9		49	77			July - Oct			I/II		Y	Y				reaches surveyed	Knight 1985	

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), bm=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