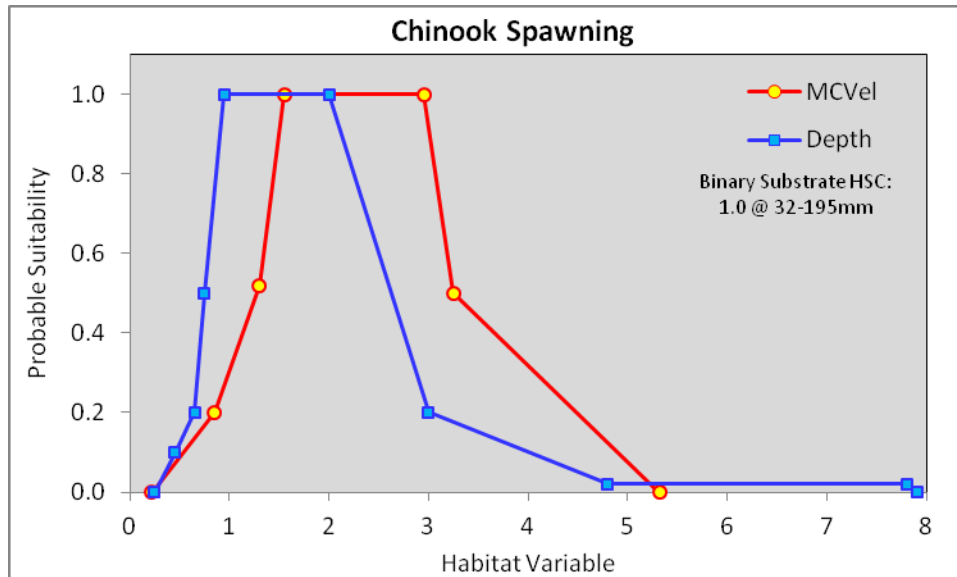


The following are habitat suitability criteria for Chinook salmon, rainbow trout adult, and Pacific lamprey agreed to by YCWA and Relicensing Participants present at the Lower Yuba River Instream Flow technical meeting, August 20, 2012. Suitability criteria were agreed to for application in the Lower Yuba River SRH2D habitat model developed for YRDP relicensing studies.

Chinook Spawning (8/20/2012)

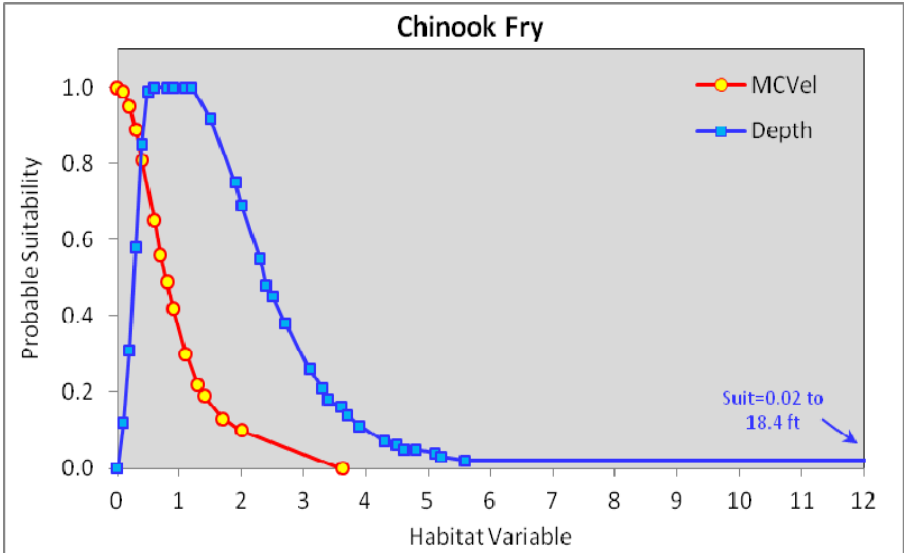
Species	Lifestage	MCVel	HSC	Depth	HSC	Substrate ¹	HSC	Cover	HSC
Chinook	Spawning	0.22	0.00	0.25	0.00	31	0.00	n/a	n/a
		0.85	0.20	0.45	0.10	32	1.00		
		1.30	0.52	0.65	0.20	195	1.00		
		1.55	1.00	0.75	0.50	196	0.00		
		2.95	1.00	0.95	1.00				
		3.25	0.50	2.00	1.00				
		5.32	0.00	3.00	0.20				
				4.80	0.02				
				7.80	0.02				
				7.90	0.00				

¹ mean diameter (mm) in polygons



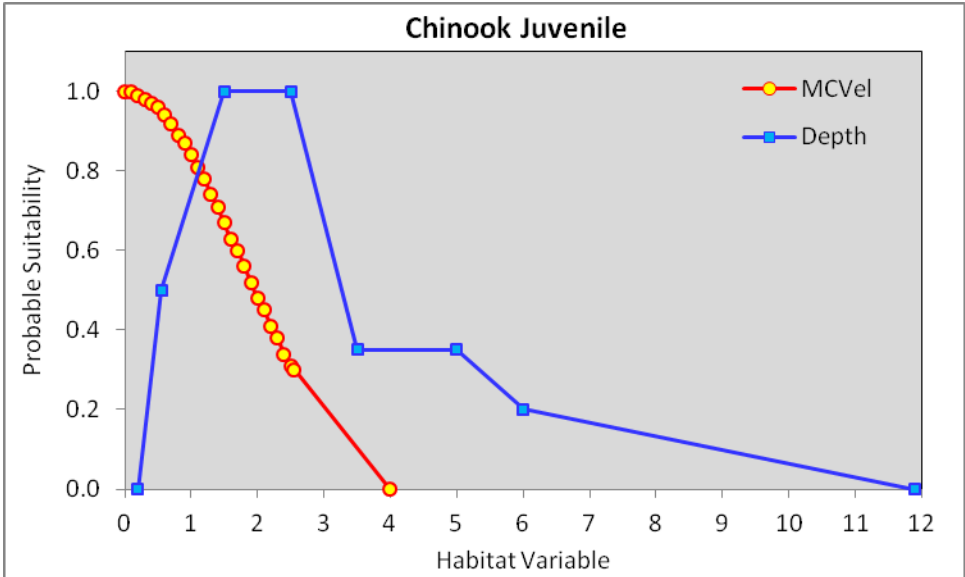
Chinook Fry (8/20/2012)

Species	Lifestage	MCVel	HSC	Depth	HSC
Chinook	Fry	0.00	1.00	0.00	0.00
		0.10	0.99	0.10	0.12
		0.20	0.95	0.20	0.31
		0.30	0.89	0.30	0.58
		0.40	0.81	0.40	0.85
		0.60	0.65	0.50	0.99
		0.70	0.56	0.60	1.00
		0.80	0.49	0.80	1.00
		0.90	0.42	0.90	1.00
		1.10	0.30	1.10	1.00
		1.30	0.22	1.20	1.00
		1.40	0.19	1.50	0.92
		1.70	0.13	1.90	0.75
		2.00	0.10	2.00	0.69
		3.62	0.00	2.30	0.55
				2.40	0.48
				2.50	0.45
				2.70	0.38
				3.10	0.26
				3.30	0.21
				3.40	0.18
				3.60	0.16
				3.70	0.14
				3.90	0.11
				4.30	0.07
				4.50	0.06
				4.60	0.05
				4.80	0.05
				5.10	0.04
				5.20	0.03
				5.60	0.02
				18.40	0.02
				18.50	0.00



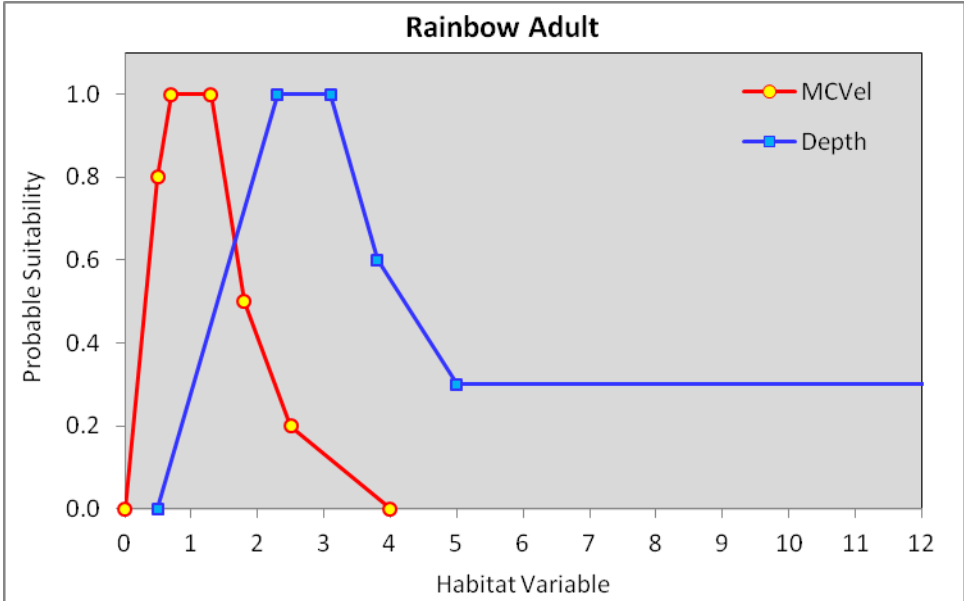
Chinook Juvenile (8/20/2012)

Species	Lifestage	MCVel	HSC	Depth	HSC
Chinook	Juvenile	0.00	1.00	0.20	0.00
		0.10	1.00	0.55	0.50
		0.20	0.99	1.50	1.00
		0.30	0.98	2.50	1.00
		0.40	0.97	3.50	0.35
		0.50	0.96	5.00	0.35
		0.60	0.94	6.00	0.20
		0.70	0.92	11.90	0.00
		0.80	0.89		
		0.90	0.87		
		1.00	0.84		
		1.10	0.81		
		1.20	0.78		
		1.30	0.74		
		1.40	0.71		
		1.50	0.67		
		1.60	0.63		
		1.70	0.60		
		1.80	0.56		
		1.90	0.52		
		2.00	0.48		
		2.10	0.45		
		2.20	0.41		
		2.30	0.38		
		2.40	0.34		
		2.50	0.31		
		2.55	0.30		
		4.00	0.00		



Rainbow Trout Adult (7/20/2012)

Species	Lifestage	MCVel	HSC	Depth	HSC
Rainbow	Adult	0.00	0.00	0.50	0.00
		0.50	0.80	2.30	1.00
		0.70	1.00	3.10	1.00
		1.30	1.00	3.80	0.60
		1.80	0.50	5.00	0.30
		2.50	0.20	30.00	0.30
		4.00	0.00		



Pacific Lamprey (7/20/2012)

Species	Lifestage	MCVel	HSC	Depth	HSC	Substrate	HSC	Cover	HSC
Lamprey	Spawning	0.00	0.00	0.00	0.00	0	0.00	0	org debris
		0.66	1.00	0.52	1.00	1	0.00	1	silt
		3.28	0.00	4.20	0.10	2	0.00	2	sand
				4.60	0.00	3	1.00	3	sml gravel
				<i>last pt added by M Allen</i>		5	1.00	4	gravel
						6	0.00	5	lrg gravel
						8	0.00	6	sml cobble
						9	0.00	7	cobble
						10	0.00	8	lrg cobble
								9	boulder
								10	bedrock
Lamprey	Ammocoetes	0.00	1.00	0.00	0.00	0	0.22		
		0.16	0.83	0.01	1.00	1	1.00		
		0.33	0.38	99.00	1.00	2	0.54		
		0.66	0.09			3	0.15		
		0.98	0.00			5	0.05		
		1.31	0.00			6	0.06		
		1.64	0.04			7	0.06		
		1.65	0.00			8	0.06		
		<i>last pt added by M Allen</i>				9	0.05		
						10	0.22		
						<i>R Martinez will check validity</i>			

