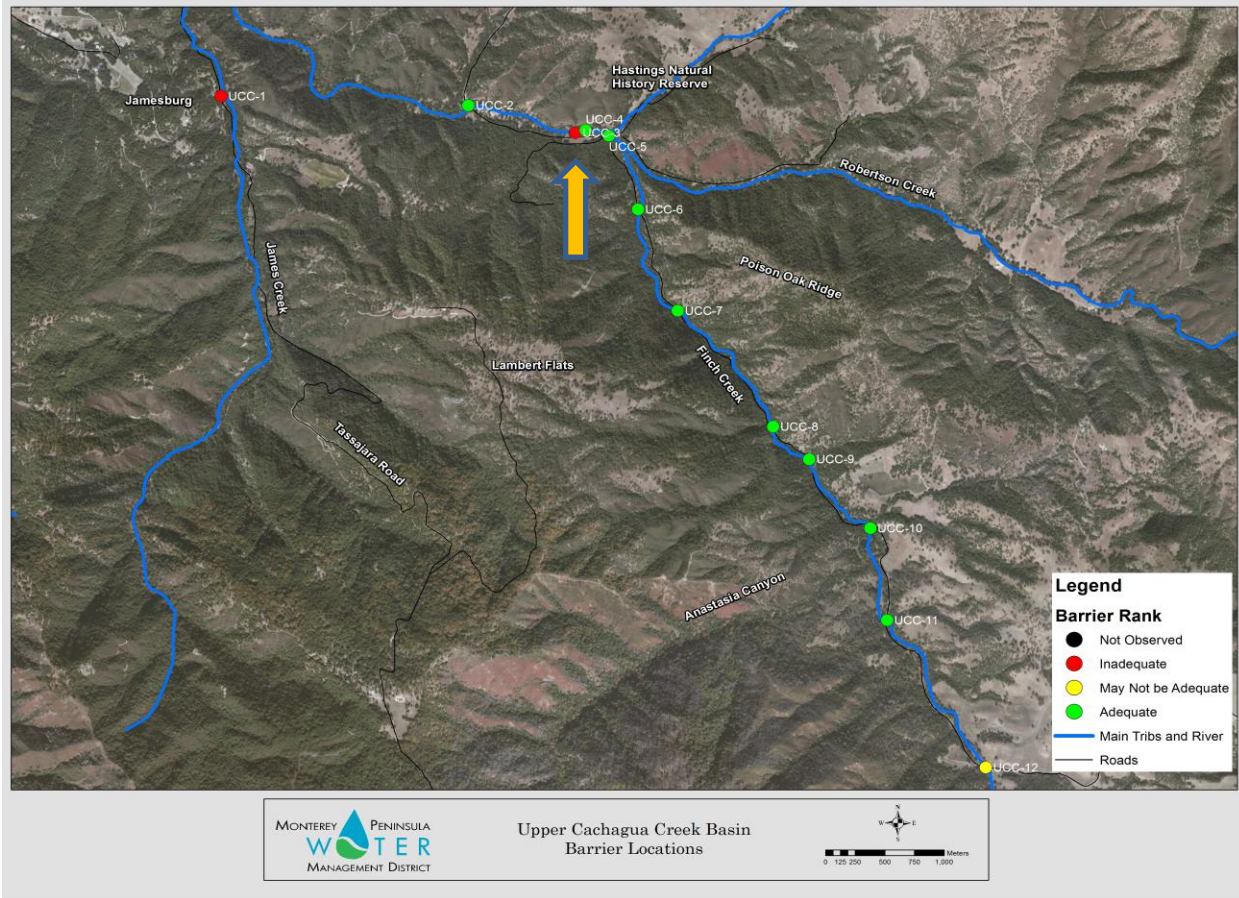


## EXHIBIT 4-A



## **EXHIBIT 4-A**

<b>Fish Passage Barrier Removal/Improvement Rankings - Four Carmel River Tributaries</b>					
Ranking #*	Location	Site	# Miles Additional Stream Access	Recommendation	Notes
1	San Clemente Cr.	Trout Lake Dam, Ladder, and Spillway	6.8	At minimum, ladder and spillway must be brought up to modern standards.	Largest manmade fish barrier on tribs. Blocks or delays access to two productive upper tributaries. Unclear how structure operates in the winter.
2	Cachagua Cr.	Ford near Boronda Cr.	8.3	Replace with small bridge	Depth and velocity barrier. Has caused a large scour hole d/s and sediment trap upstream
3	Cachagua Cr.	Ringer's Ford	8.1	Replace with small bridge	Depth and velocity barrier. Has caused a large scour hole d/s and sediment trap upstream
4	San Clemente Cr.	No Name Rd. Ford	3.0	Replace with small bridge	Ford is in very poor condition. Complete barrier at low flows.
5	San Clemente Cr.	Summer Dam near clubhouse	6.3	Remove	This structure is a total fish barrier at low flows and a sediment trap.
6	Cachagua Cr. (Finch)	Hastings Reserve Ford	3.8	Replace with small bridge	Depth and velocity barrier. Has caused a large scour hole d/s and sediment trap upstream
7	Potrero Cr.	CVAC parking lot Culvert	2.8	Replace with small bridge	Complete velocity and depth barrier. Very poor design.
8	Potrero Cr.	CVAC access road Culverts	2.7	Replace with small bridge	Double culverts in poor condition. Velocity barriers.
9	Potrero Cr.	Quail Lodge Golf Course	3.2	Reconfigure reach between confluence and VG Rd.	Too steep for fish passage and no has habitat value.
10	Cachagua Cr.	Jensen's Camp Ford and Culverts	10.4	Replace with small bridge or larger culverts	Likely velocity barriers in high flows.
11	Mainstem C.R.	Flavin's Crossing (Ford)	9	Remove	Low flow fish passage barrier and sediment trap.
12	San Clemente Cr.	Summer Dam on Dormody Rd.	3.2	Remove	This structure is a fish barrier and sediment trap.
* Rankings are based on a combination of the severity of the barrier, the length of additional stream that would become assessable if the barrier were removed, and the general "value" of the creek for steelhead spawning and rearing.					