

Keystone Barrier Priority Ranking Table

Immediate Keystone Barrier Priorities

Keystone Barrier ID	Watershed (Stream Name)	Ownership / Interest
BR_GA_20****	Gaviota	CALTRANS
BR_AH_1**	Arroyo Hondo	CALTRANS
BR_AO_SJ_1*****	San Jose	SBCFCD
BR_CA_2	Carpinteria	Bliss
BR_AO_MY_13***	Maria Ygnacio	SBCPWRD
BR_MN_2 and BR_MN_5*	Mission	CALTRANS
BR_GA_CA_1****	Gaviota (Las Canovas)	CALTRANS
BR_MO_14	Montecito	Casa Dorina
BR_SY_9 and BR_SY_10*	San Ysidro	Montecito WA / SBCFCD
BR_DP_1	Dos Pueblos	Schulte
BR_RN_1	Rincon	CALTRANS
BR_AP_1	Arroyo Paredon	CALTRANS
BR_TS_1	Tajiguas	UPRR / CALTRANS
BR_SA_3	Santa Anita	Hollister Ranch
BR_TE_1	Tecolote	UPRR,CALTRANS,SBCPWRD
BR_EC_2	El Capitan	CALTRANS
BR_CL_1	Corral	UPRR/CALTRANS
BR_CO_2	Cojo	Bixby Ranch
BR_AQ_2	Arroyo Quemado	UPRR/CALTRANS
BR_AO_MY_SA_4***	Atascadero (San Antonio)	SBCPD
BR_SO_2	San Onofre	UPRR/CALTRANS
BR_JA_EO_2	Jalama (Escondido)	Bixby Ranch
BR_AB_2	Arroyo Burro	CALTRANS
BR_JA_EA_1	Jalama (Espada)	Bixby Ranch
BR_RE_6	Refugio	SBCPWRD
BR_GO_2	Gato	Las Varas Ranch
BR_JA_GR_1	Jalama (Gasper)	SBCPWRD
BR_AO_SJ_SP_1*****	San Jose (San Pedro)	UPRR
BR_AO_TO_GA_5	Tecolotito (Glen Annie)	
BR_AA_1	Alegria	Hollister Ranch
BR_AC_1	Agua Caliente	Hollister Ranch
BR_AS_2	Arroyo San Augustin	Hollister Ranch

Combined Watersheds

Watersheds with more than one Keystone Barrier:
Atascadero***
San Jose*****
Gaviota****
Jalama

Stream Miles from Keystone Barrier to Natural Upstream Limits	Total Watershed Stream Miles from Ocean to All Natural Limits	% of Stream Miles Within the Watershed Occuring Upstream of Keystone Barrier(s)	Total Habitat Score Upstream of Keystone Barrier to Next 0.9 - 1.0 Severity Barrier	Salmonid Status	Immediate Keystone Barrier Priority Rank
2.45	7.83	31.3%	1.92	1.00	1
1.87	1.89	98.9%	1.66	1.00	2
4.36	11.14	39.1%	1.04	1.00	3
13.97	16.07	86.9%	0.95	1.00	4
1.87	12.03	15.5%	0.76	1.00	5
8.16	9.26	88.1%	0.58	1.00	6
0.92	7.83	11.7%	0.46	1.00	7
3.14	4.17	75.3%	1.45	0.80	8
1.30	3.25	40.0%	1.23	0.80	9
4.80	4.81	99.8%	1.15	0.90	10
7.26	7.42	97.8%	1.01	0.90	11
3.23	4.14	78.0%	0.85	0.80	12
5.25	5.28	99.4%	0.69	0.90	13
1.93	2.58	74.8%	0.38	0.90	14
3.28	4.08	80.4%	0.23	0.90	15
5.27	5.62	93.8%	3.66	0.50	16
6.88	6.94	99.1%	1.98	0.70	17
3.64	3.72	97.8%	1.15	0.30	18
2.17	2.28	95.2%	0.71	0.70	19
4.07	12.03	33.8%	0.51	0.70	20
0.71	0.82	86.6%	0.45	0.60	21
3.80	21.18	17.9%	0.34	0.70	22
6.57	7.21	91.1%	0.19	0.50	23
1.98	21.18	9.3%	0.15	0.70	24
3.38	5.72	59.1%	0.13	0.70	25
3.38	3.80	88.9%	0.09	0.40	26
2.09	21.18	9.9%	0.03	0.70	27
3.25	11.14	29.2%	0.02	0.70	28
4.03	6.76	59.6%	0.01	0.40	29
3.74	3.94	94.9%	na	0.30	na
2.78	2.96	93.9%	na	0.30	na
3.42	3.50	97.7%	na	0.30	na
124.95	168.40	74.2%			

% of Stream Miles Within the Watershed Occuring Upstream of All Keystone Barriers
49.4%
68.3%
43.0%
37.2%

Long-term Keystone Barrier Priorities

Keystone Barrier ID	Stream Name
BR_CA_2	Carpinteria
BR_RN_1	Rincon
BR_MN_2 and BR_MN_5	Mission
BR_CL_1	Corral
BR_EC_2	El Capitan
BR_AO_SJ_1	San Jose
BR_AB_2	Arroyo Burro
BR_DP_1	Dos Pueblos
BR_TS_1	Tajiguas
BR_TE_1	Tecolote
BR_MO_14	Montecito
BR_RE_6	Refugio
BR_AO_MY_SA_4	Atascadero (San Antonio)
BR_AP_1	Arroyo Paredon
BR_JA_EO_2	Jalama (Escondido)
BR_GA_20	Gaviota
BR_CO_2	Cojo
BR_AO_SJ_SP_1	San Jose (San Pedro)
BR_GO_2	Gato
BR_AO_TO_GA_5	Tecolotito (Glen Annie)
BR_AH_1	Arroyo Hondo
BR_AO_MY_13	Maria Ygnacio
BR_JA_GR_1	Gasper (Jalama)
BR_SA_3	Santa Anita
BR_SY_9 and BR_SY_10	San Ysidro
BR_JA_EA_1	Jalama (Espada)
BR_AQ_2	Arroyo Quemado
BR_GA_CA_1	Gaviota (Las Canovas)
BR_SO_2	San Onofre
BR_AA_1	Alegria
BR_AC_1	Agua Caliente
BR_AS_2	Arroyo San Augustin

Total Habitat Score Upstream of Keystone Barrier to Natural Upstream Limits	Long-Term Keystone Barrier Priority Rank
11.84	1
5.37	2
5.33	3
5.15	4
3.90	5
3.36	6
3.13	7
3.12	8
3.04	9
2.51	10
2.46	11
2.34	12
2.28	13
2.19	14
2.05	15
1.92	16
1.90	17
1.80	18
1.70	19
1.70	19
1.65	21
1.41	22
1.30	23
1.24	24
1.23	25
1.16	26
1.09	27
0.46	28
0.45	29
na	na
na	na
na	na

All stream lengths and habitat scores are derived from identified stream reaches with assigned habitat quality values. See Habitat Reach Table and watershed maps for included stream reaches.

*Two pairs of barriers (BR_SY_9 and 10 and BR_MN_2 and 5) were included together as one keystone barrier for these calculations due to their structural relationship with each other and need for a fish passage improvement project that will address both structures simultaneously.

**BR_AH_1 was included, despite having a lower severity ranking of 0.8, due to it being the only anthropogenic barrier to steelhead migration in the watershed and its high severity ranking.

*** Atascadero Creek stream length and Habitat Scores upstream of the Maria Ygnacio Creek confluence were not included in this ranking due to the relatively poor salmonid conditions occurring there.

**** West Fork Gaviota Creek and "Las Cruces" Creek stream length and Habitat Scores were not included in this ranking due to the relatively poor salmonid conditions occurring there or lack of ground surveying and habitat observations due to access restrictions.

***** San Jose Creek sub-watershed calculations include San Pedro Creek values.