

Migration Barrier
Table: Refugio and
Tajiguas Watersheds

BARRIER ID

**Refugio
Creek**

BR_RE_1
BR_RE_2
BR_RE_3
BR_RE_4
BR_RE_5
BR_RE_6
BR_RE_7
BR_RE_8
BR_RE_9
BR_RE_10
BR_RE_11
BR_RE_12
BR_RE_13
BR_RE_WF_1
BR_RE_WF_2
BR_RE_WF_WNF_1
BR_RE_EF_1

Primary Stream
Primary Tributary
Secondary Tributary
Tertiary Tributary
Physical Description of Barrier Location

Refugio				State Park Crossing at u/s end of Lagoon
Refugio				Under Highway 101 Bridges and u/s
Refugio				~ Elevation 40'
Refugio				#2 Refugio Road Crossing
Refugio				d/s of #3 Refugio Road Crossing
Refugio				#3 Refugio Road Crossing
Refugio				-0.48 mile u/s #3 Refugio Road Crossing
Refugio				#4 Refugio Road Crossing
Refugio				#5 Refugio Road Crossing
Refugio				#6 Refugio Road Crossing
Refugio				#7 Refugio Road Crossing
Refugio				~ Elevation 935'
Refugio				~ Elevation 1030'
Refugio	West Fork			~ Elevation 780'
Refugio	West Fork			~ Elevation 880'
Refugio	West Fork	West North Fork		~ Elevation 880'
Refugio	East Fork			~ Elevation 830'

Ownership / Interest
Barrier Type
Severity

CALTRANS	Double Box Culvert	0.70
CALTRANS	Riprap Channelization	0.50
Freeman	Stream Crossing	0.50
SBCPWRD	Culvert Stream Crossing	0.90
Refugio Canyon Ranch	Bedrock Chute	0.60
SBCPWRD	Culvert Stream Crossing and Apron	1.00
Alegria	Box Culvert Stream Crossing	0.90
SBCPWRD	Culvert Stream Crossing	0.90
SBCPWRD	Culvert Stream Crossing	0.90
SBCPWRD	Culvert Stream Crossing	0.90
SBCPWRD	Culvert Stream Crossing	0.90
Brown	Culvert Stream Crossing	0.60
Brown	Bedrock Chute	1.00
Saralegui	Stream Crossing	0.90
Saralegui	Boulder Cascade	1.00
Saralegui	Boulder Waterfall	1.00
LPNF	Bedrock Waterfall	1.00

Stream Miles from Ocean to Downstream End
Stream Miles from Ocean to Upstream End
Total Length of Structure (miles)

0.12	0.18	0.06
0.18	0.34	0.16
0.40		
0.64		
2.21		
2.35		
2.83		
3.51		
3.55		
3.74		
3.84		
4.48		
4.59		
4.25		
4.33		
4.36		
4.55		

Stream Miles to Natural Upstream Limits
Stream Miles to Next Known 1.0 Severity Barrier
Total Habitat Score to Natural Upstream Limits

5.61	2.22	3.20
5.55	2.16	3.18
5.33	1.94	3.10
5.09	1.70	2.97
3.52	0.13	2.39
3.38	3.38	2.34
2.90	2.90	2.21
2.22	2.22	1.71
2.18	2.18	1.68
1.06	1.06	0.86
0.87	0.87	0.78
0.11	0.11	0.09
NA	NA	NA
0.14	0.14	0.12
NA	NA	NA
NA	NA	NA
NA	NA	NA

Migration Barrier Priority Ranking
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**Tajiguas
Creek**

BR_TS_1
BR_TS_2
BR_TS_3
BR_TS_4
BR_TS_5
BR_TS_6
BR_TS_7
BR_TS_8
BR_TS_9
BR_TS_10
BR_TS_11
BR_TS_12
BR_TS_13
BR_TS_14
BR_TS_NF_1
BR_TS_WF_1
BR_TS_WF_WNF_1
BR_TS_WF_WNF_2
BR_TS_LN_1
BR_TS_LN_2

Tajiguas				UPRR/Highway 101 Crossing
Tajiguas				~0.67 mile u/s from Highway 101 Culvert
Tajiguas				~0.82 mile u/s from Highway 101 Culvert
Tajiguas				~Elevation 85'
Tajiguas				~ Elevation 160', near "Dam" on USGS Map
Tajiguas				~ Elevation 180'
Tajiguas				~ Elevation 280'
Tajiguas				~ Elevation 290'
Tajiguas				~ Elevation 310'
Tajiguas				~ Elevation 320'
Tajiguas				~ Elevation 350'
Tajiguas				~ Elevation 395'
Tajiguas				~ Elevation 500'
Tajiguas				~ Elevation 840
Tajiguas	North Fork			~ Elevation 600'
Tajiguas	West Fork	West North Fork		~ Elevation 680'
Tajiguas	West Fork	West North Fork		~ Elevation 520'
Tajiguas	West Fork	West North Fork		~ Elevation 600'
Tajiguas	Leon			~ Elevation 220'
Tajiguas	Leon			~ Elevation 360'

UPRR/CALTRANS	Culvert Stream Crossing	1.00
MAZ Properties Inc.	Dam	0.00
MAZ Properties Inc.	Stream Crossing	0.00
MAZ Properties Inc.	Stream Crossing and Riprap Apron	0.90
MAZ Properties Inc.	Stream Crossing and Riprap Apron	0.90
MAZ Properties Inc.	Culvert Stream Crossing and Apron	0.90
MAZ Properties Inc.	Stream Crossing?	0.00
MAZ Properties Inc.	Stream Crossing?	0.00
MAZ Properties Inc.	Stream Crossing?	0.00
MAZ Properties Inc.	Stream Crossing?	0.00
MAZ Properties Inc.	Dam	0.90
MAZ Properties Inc.	Stream Crossing?	0.00
MAZ Properties Inc.	Stream Crossing?	0.00
MAZ Properties Inc.	Sustained Slope Exceeding 10%	1.00
MAZ Properties Inc.	Sustained Slope Exceeding 10%	1.00
MAZ Properties Inc.	Sustained Slope Exceeding 10%	1.00
MAZ Properties Inc.	Stream Crossing?	0.00
MAZ Properties Inc.	Sustained Slope Exceeding 10%	1.00
MAZ Properties Inc.	Dam	1.00
MAZ Properties Inc.	Sustained Slope Exceeding 10%	1.00

0.02	0.08	0.06
0.75		
0.90		
1.47		
2.14		
2.28		
2.88		
2.92		
2.97		
3.03		
3.13		
3.24		
3.49		
4.24		
3.64		
3.79		
3.49		
3.61		
2.12		
2.71		

5.25	5.25	3.03
4.52	4.52	2.69
4.37	4.37	2.62
3.80	3.80	2.34
3.13	3.13	2.02
2.99	2.99	1.95
2.39	2.39	1.67
2.35	2.35	1.63
2.30	2.30	1.59
2.24	2.24	1.54
2.14	2.14	1.44
1.21	1.21	0.80
0.75	0.75	0.46
NA	NA	NA
NA	NA	NA
NA	NA	NA
0.11	0.11	0.06
NA	NA	NA
0.59	0.59	NA
NA	NA	NA

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Physical Description of Barrier Location:

- GPS used to input some barrier locations into the GIS Database (available from CCP).
- Barrier location elevations are based on contour line and stream intersections locations derived in the field and using USGS topographical 7.5 minute quad maps. Barriers located using GPS were assigned approximate elevations using USGS 30-meter Digital Elevation Models. Approximate (~) elevations are given in feet (').
- Approximate (~) elevations are given in feet (').
- The lower number and sign(#) refer to most downstream structure with a similar name.
- For example, "#1 Highway 150 Bridge" refers to the first, or most downstream, of the Highway 150 Bridges encountered by upstream migrating steelhead.
- u/s= upstream -d/s= downstream -Ck.= Creek -Conf.= Confluence

Migration Barrier Priority Ranking:

- u=unknown
- n=natural