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# 2012 Census of California Water Transit Services ,MTI Report 12-02

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# 2012 Census of California Water Transit Services



MTI Report 12-02



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REPORT 12-02

# 2012 CENSUS OF CALIFORNIA WATER TRANSIT SERVICES

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## EXECUTIVE SUMMARY

This study provides a comprehensive assessment of current ferry operations in the state of California. This work was conducted to assist the California Department of Transportation (Caltrans) comply with requirements in the federal MAP-21 legislation (the Moving Ahead for Progress in the 21st Century Act). MAP-21 is the first multi-year transportation authorization enacted since 2005 and funds surface transportation programs at over \$105 billion for fiscal years 2013 and 2014. The Caltrans Division of Local Assistance has been asked by the Federal Highway Administration (FHWA) to gather data regarding ferry operations under MAP-21 since the Act includes a new formula program for ferry boats and ferry terminal facilities eligible under 23 USC 129(c) which authorizes federal participation in toll roads, bridges, tunnels, and ferries. FHWA has asked that Caltrans assure the ferry data is current for MAP-21.

Our first task was to develop a complete listing of all ferry operators in the state. The research revealed that water transit vessels in California provide services beyond what is commonly considered to be traditional “ferry” operations, and this necessitated the creation of three primary classifications of water transit service: commuter, non-commuter, and recreational/“circular”. Broadly speaking:

- **Commuter services** are commonly understood as “ferries” and provide essential, “point A to point B” transportation such as traditional vehicle or passenger ferries.
- **Non-commuter** services also provide “point A to point B” operations but provide a variety of connecting services beyond those that are essential for vehicle and passenger commuting purposes.
- **Recreational/“circular” services** begin and end at the same terminal and include services such as dinner cruises or sport fishing operations. We have included these services in order to capture a wider array of water transportation vessels.

During our research we also learned of a number of “water taxis,” small vessels that transport passengers on either a fixed-route or non-fixed route basis for short-distance trips. Since water taxis can provide commuter and/or non-commuter services, we have integrated them into the appropriate classifications wherever relevant. Table 1 provides a summary of the commuter and non-commuter water transit services in California organized by region listed at the left. Note that the table is as complete as possible through November 2012, considering that a small number of operators were not forthcoming with needed data.



**Table 1. Commuter and Non-Commuter Water Transit Services by Region**

	Type	Total Number of Operators	Total Number of Vessels	Total Nautical Miles	Ownership (OW) / Operator Type (OP)	
					Total Number of Private	Total Number of Public
<b>SF Bay Area (incl. Santa Cruz)*</b>	Commuter	4	28	188.25	OW: 2 / OP: 2	OW: 2 / OP: 2
	Non-commuter	3	15	46.25	OW: 2 / OP: 3	OW: 1 / OP: 0
	Water taxi	4	8**	N/A	OW: 3 / OP: 3	OW: 1 / OP: 1
<b>Sacramento/Delta</b>	Commuter	2	4	1.16	OW: 0 / OP: 1	OW: 2 / OP: 1
	Non-commuter	N/A	N/A	N/A	N/A	N/A
	Water taxi	N/A	N/A	N/A	N/A	N/A
<b>Santa Barbara</b>	Commuter	N/A	N/A	N/A	N/A	N/A
	Non-commuter	1	3	88.0	OW: 1 / OP: 1	OW: 0 / OP: 0
	Water taxi	3	2**	N/A	OW: 2 / OP: 2	OW: 0 / OP: 0
<b>Los Angeles / Orange County*</b>	Commuter	3	12	208.17	OW: 2 / OP: 2	OW: 0 / OP: 0
	Non-commuter	1	1	28.0	OW: 1 / OP: 1	OW: 1 / OP: 1
	Water taxi	3	4**	N/A	OW: 1 / OP: 0	OW: 0 / OP: 1
<b>San Diego Area*</b>	Commuter	1	4	10.0	OW: 1 / OP: 1	OW: 0 / OP: 0
	Non-commuter	1	4	10.0	OW: 1 / OP: 1	OW: 0 / OP: 0
	Water taxi	1	1	N/A	OW: 1 / OP: 1	OW: 0 / OP: 0

\* Some operators in this region provide both “commuter” and “non-commuter” services and are thus double-counted; see individual operator tables for more detail.

\*\* Some operators in this region did not respond to repeated requests for information; table entries reflect data available at the operator’s website.

Section One of this report presents an overview of the research methodology.

Section Two presents tabular summaries and detailed route maps of the 23 commuter and non-commuter “Point A to Point B” water transportation services in California, organized by region. Water taxis are also included in this section. This section constitutes the 2012 Census of Water Transit Services that we set out to produce for this report.

Since our charge was to conduct an exhaustive search for all water transportation services in California, Section Three provides a listing of 37 additional operators that we discovered during the development of the census; these services are classified as “circular”/recreational in nature. Our research concluded that these services are not directly relevant to the scope and impetus for this census since they provide lake cruises, charter yachts, whale watching adventures, sport fishing, and bay-based “cruises to nowhere.” Also, none of these operators appear to offer fixed-route service, and all are almost exclusively recreational in nature; therefore, they did not meet the threshold for essential water transportation for residents and commuters of our state. However, future researchers might wish to reference this list in terms of possibilities for providing water transportation in cases of major regional emergencies.

The spreadsheet of information we developed can be integrated into Caltrans’ geographic information system (GIS) since it includes the latitude/longitude coordinates of all commuter and non-commuter water transportation terminal locations; the route lines are also available in GIS format.

Additionally, in a pocket at the back of this report is a foldable poster map of all of the California water transit operators documented in Section Two.



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## I. RESEARCH METHODOLOGY

Our first task was to develop a complete listing of all ferry operators in the state. To identify an initial set of operator data, we searched the following websites: ferry-service.findthedata.org, angelislandferry.com, balboaislandferry.com, sdhe.com, google.com, takethewave.com, baycrossings.org, sanfranciscobayferry.com, watertransit.org, boatharbors.com and baylinkferry.com. Additionally, a number of website search terms proved useful: “Ferries in California,” “Association of California Ferry Operators,” “(County name) Cruises,” “(County name) Ferry Service,” “Water Taxi Services California,” and “Water Taxi Company.”

The initial research revealed that water transit vessels in California provide services beyond what is commonly considered to be traditional “ferry” operations, and this necessitated the creation of three primary classifications of water transit service: commuter, non-commuter, and recreational/“circular.” Broadly speaking:

- **Commuter services** are commonly understood as “ferries” and provide essential, “point A to point B” transportation such as traditional vehicle or passenger ferries.
- **Non-commuter services** also provide “point A to point B” operations but provide a variety of connecting services beyond those that are vehicle and passenger commuting purposes.
- **Recreational/“circular” services** begin and end at the same terminal and include services such as dinner cruises or sport fishing operations. We have included these services in order to capture a wider array of water transportation vessels.

During our research we also learned of a number of “water taxis,” small vessels that transport passengers on either a fixed-route or non-fixed route basis for short-distance trips. Since water taxis can provide commuter and/or non-commuter services, we have integrated them into the appropriate classifications when relevant.

With the three-tiered classification scheme in place, we contacted each of the 23 water transit operators in the state of California by telephone. Most of the operators gladly participated in this census, although a few did not return our calls despite many repeated efforts and numerous e-mail follow-ups. We have noted missing information where appropriate. Wherever such roadblocks presented themselves, we gathered current information from operator websites to the best of our ability. For each of the 23 unique operators, we collected the information listed below. A few of these variables were not relevant to particular operators (e.g., capacity for automobiles is not relevant to “cruises to nowhere”) so those were omitted wherever appropriate.

- Type of service (commuter, non-commuter, water taxi)
- Operates within (ocean, bay, river)
- Total number of segments

- Segment name (e.g., “Angel Island to Tiburon”) and length in nautical miles
- Advertised fares and regulatory authority
- Hours of operation
- Number of vessels
- Seating capacity
- Capacity for automobiles and bicycles
- Passenger boarding statistics and daily trip counts
- Projections for future service expansion, if provided
- Ownership and operator type (public or private)
- Name and contact information for chief executive officer
- Primary contact (name, email address and/or telephone number)
- Website
- Address and latitude/longitude coordinates of terminal locations

Note that the information in this report is as complete as possible through November 2012, considering that a small number of operators were not forthcoming with needed data.

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## II. 2012 CENSUS OF COMMUTER AND NON-COMMUTER WATER TRANSPORTATION SERVICES IN CALIFORNIA

This section of the report presents the results of the census of 23 water transportation providers conducted in October and November of 2012. It is organized by the five geographic regions listed in Table 1 proceeding north to south, starting with the San Francisco Bay Area, then proceeding to the Sacramento/Delta region, the Santa Barbara region, Los Angeles and Orange County, and the San Diego area.

Each regional section begins with a map that presents an overview of the services in that region. Following this overview, subsequent pages present details for each water transit operator, coupled with a detailed map that shows terminal locations and routes. Red points and lines on the maps in this section indicate primary water transit services and yellow points and lines indicate smaller, short-distance water taxis. The poster map in the pocket at the back of this report presents all water transit services statewide that qualify for our definition of commuter and non-commuter.

### SAN FRANCISCO BAY AREA WATER TRANSIT SERVICES

There are a total of nine water transit providers in the San Francisco Bay Area:

- Alcatraz Cruises
- Angel Island – Tiburon Ferry Company
- Blue and Gold Fleet
- Golden Gate Bridge Highway and Transportation District
- Water Emergency Transportation Authority
- Tideline Marine Group
- San Francisco Water Taxi Company
- Westar Marine Services
- Santa Cruz Port District, Harbor Water Taxi

These providers, two of which offer both commuter and non-commuter services (Angel Island-Tiburon Ferry Co. and Blue and Gold Fleet), are summarized in Table 3.

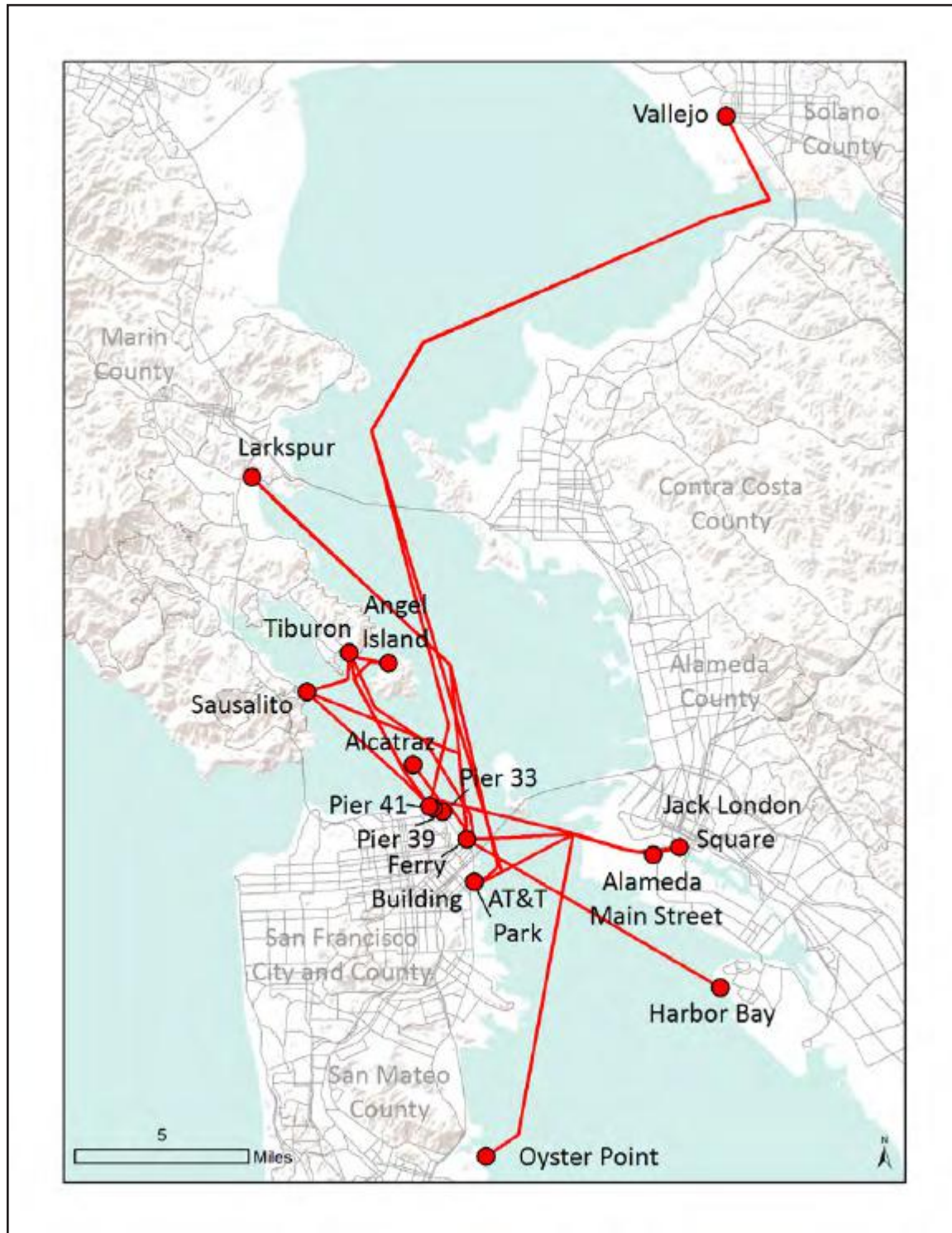
**Table 2. Summary of Commuter and Non-Commuter Water Transit Services in the San Francisco Bay Area (incl. Santa Cruz)\***

Type	Total Number of Operators*	Total Number of Vessels	Total Nautical Miles	Ownership (OW) / Operator Type (OP)	
				Total Number of Private	Total Number of Public
Commuter	4	28	188.25	OW: 2 / OP: 2	OW: 2 / OP: 2
Non-commuter	3	15	46.25	OW: 2 / OP: 3	OW: 1 / OP: 0
Water taxi	4	8**	N/A	OW: 3 / OP: 3	OW: 1 / OP: 1

\* Two operators in this region provide both “commuter” and “non-commuter” services; see individual operator tables for more detail and thus are double-counted. There are nine unique operators in the region.

\*\* Some operators in this region did not respond to repeated requests for information; table entries reflect data available at the operator’s website.

Figure 1 presents an overview of water transit services operating in the San Francisco Bay Area. This regional section concludes with water taxi services in Santa Cruz, although those services are not reflected in Figure 1 in order to maintain a detailed geographic focus; however, the poster map in the back pocket of this report does show the Santa Cruz area services.

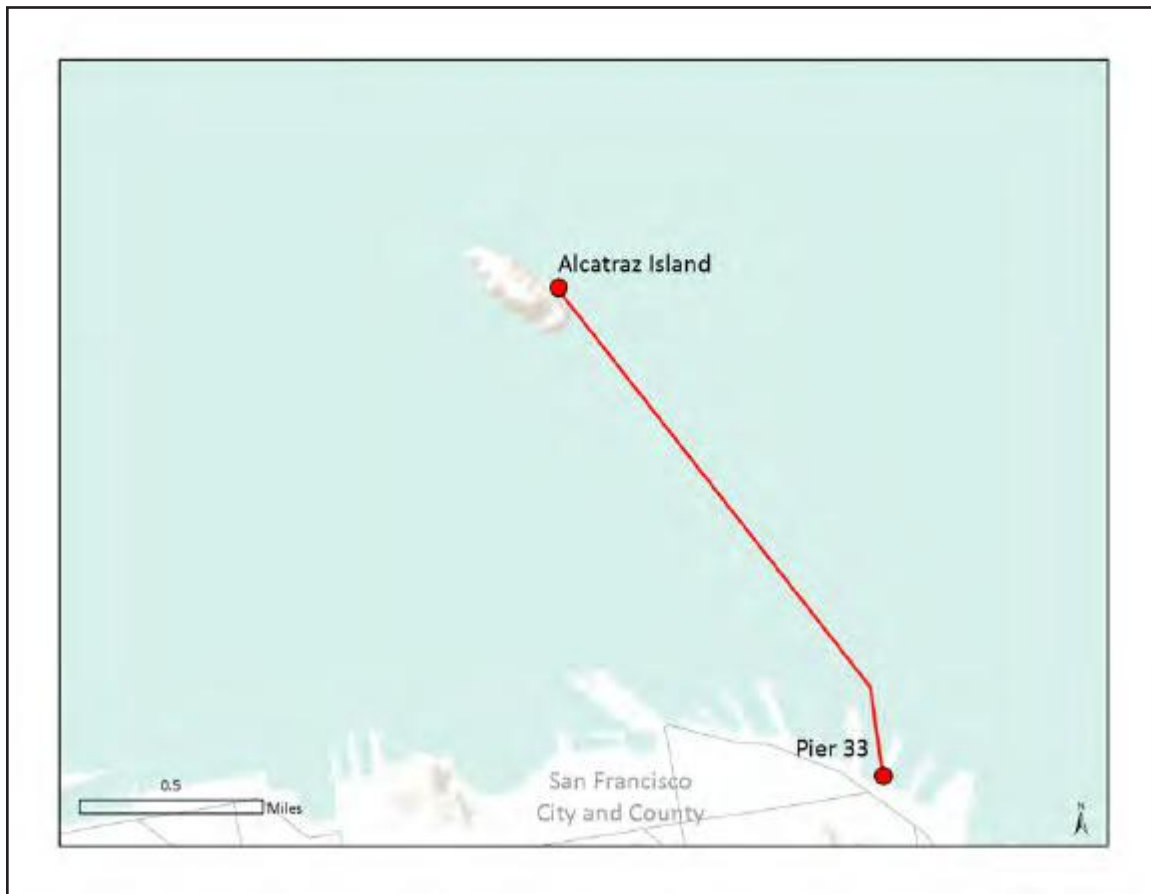


**Figure 1. Overview of San Francisco Bay Area Water Transit Services**



**Table 3. Alcatraz Cruises**

<b>Type</b>	Non-commuter
<b>Operates within</b>	Bay
<b>Total number of segments</b>	1
<b>Segment names and length (nautical miles)</b>	Pier 33 – Alcatraz Island (1.00 nmi)
<b>Advertised fares</b>	Adults \$28; Senior \$26.25
<b>Regulated by</b>	National Park Service
<b>Hours of operation</b>	Monday – Sunday, 8:45 am – 7:15 pm
<b>Total number of vessels</b>	5
<b>Seating capacity by vessel</b>	159-699
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	N/A
<b>Boarding statistics (2011)</b>	Served 1.3 million passengers; 5,200 round trips; 15-20 average daily trips
<b>Plans for future expansion</b>	Converting current vessels to hybrid vessels; may add boats
<b>Ownership type</b>	Public
<b>Operator type</b>	Private
<b>CEO</b>	Terry Macrae 415-788-8866
<b>Contact</b>	Lorelai Octavo 415-438-8320 x2343 loctavo@alcatrazcruises.com
<b>Website</b>	<a href="http://alcatrazcruises.com">http://alcatrazcruises.com</a>



**Figure 2. Alcatraz Cruises**

**Table 4. Angel Island – Tiburon Ferry Company**

<b>Type</b>	Commuter & non-commuter
<b>Operates within</b>	Bay
<b>Total number of segments</b>	1
<b>Segment names and length (nautical miles)</b>	Tiburon – Angel Island (1.00 nmi)
<b>Advertised fares</b>	Adults \$13.50; Child \$11.50; Small Child \$3.50; Toddler FREE
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	Monday – Sunday 10:00 am – 4:00 pm
<b>Total number of vessels</b>	3
<b>Seating capacity by vessel</b>	98-342
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	30-100
<b>Boarding statistics (2011)</b>	Served 65,000 passengers; 5 average daily trips
<b>Plans for future expansion</b>	Operator not sure yet
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Maggie McDonough 415-435-2131
<b>Contact</b>	Maggie McDonough 415-435-2131
<b>Website</b>	<a href="http://angelislandferry.com">http://angelislandferry.com</a>



**Figure 3. Angel Island – Tiburon Ferry Company**

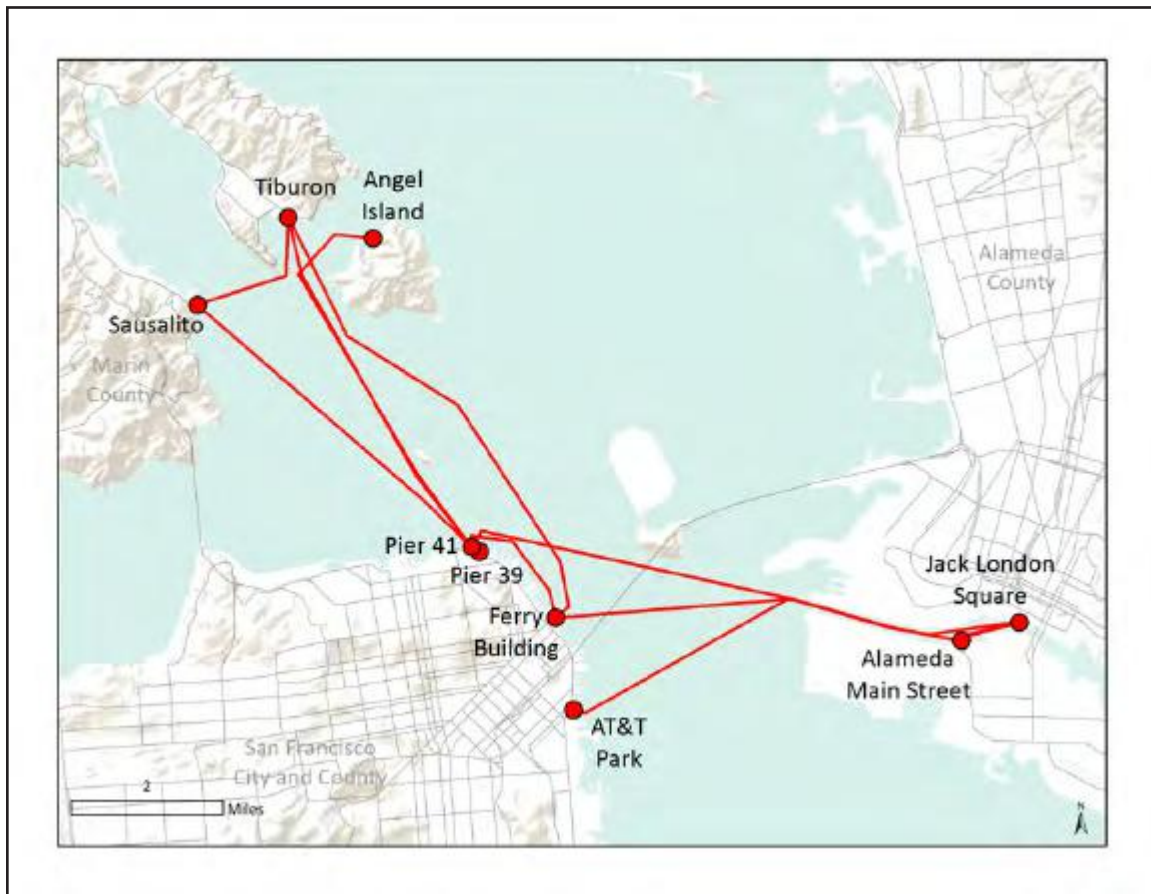
**Table 5. Blue and Gold Fleet**

<b>Type</b>	Commuter & non-commuter
<b>Operates within</b>	Bay
<b>Total number of segments</b>	10
<b>Segment names &amp; length (nautical miles)</b>	Main Street, Alameda – Jack London Square, Oakland (0.8 nmi)* Angel Island – Pier 41 (3.75 nmi)* Sausalito – Pier 41 (4.2 nmi) Tiburon – Pier 41 (3.9 nmi) Main Street, Alameda – Pier 41 (8.4 nmi) Tiburon – Sausalito (1.6 nmi) Ferry Building – Tiburon (5.60 nmi) Ferry Building – Jack London Square, Oakland (7.2 nmi)* Ferry Building – Pier 41 (2.0 nmi)* Alameda – Jack London Square - AT&T Park** (6.8 nmi)
<b>Advertised fares</b>	Adults \$6.50-10.50; Child \$3.50-6.25; Senior \$3.10-6.25
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	Monday – Friday 6:05 am – 8:45 pm
<b>Total number of vessels</b>	7 (+11 for WETA)
<b>Seating capacity by vessel</b>	300-750
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	50-100
<b>Boarding statistics (2011)</b>	Served 2.5 million passengers
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Carolyn Horgan Carolyn@blueandgoldfleet.com 415-705-8207
<b>Contact</b>	Patrick Murphy 415-705-8248
<b>Website</b>	http://blueandgoldfleet.com

*Note:* The Water Emergency Transportation Authority (WETA) recently assumed service for the City of Alameda Ferry, Harbor Bay, and Vallejo Baylink Ferry, although Blue and Gold Fleet provides the daily operation of these services. See Table 7 and Figure 6 for more information about WETA services.

\* Segment within larger route; high frequency use.

\*\* Operates only on Game Days for AT&T Park.

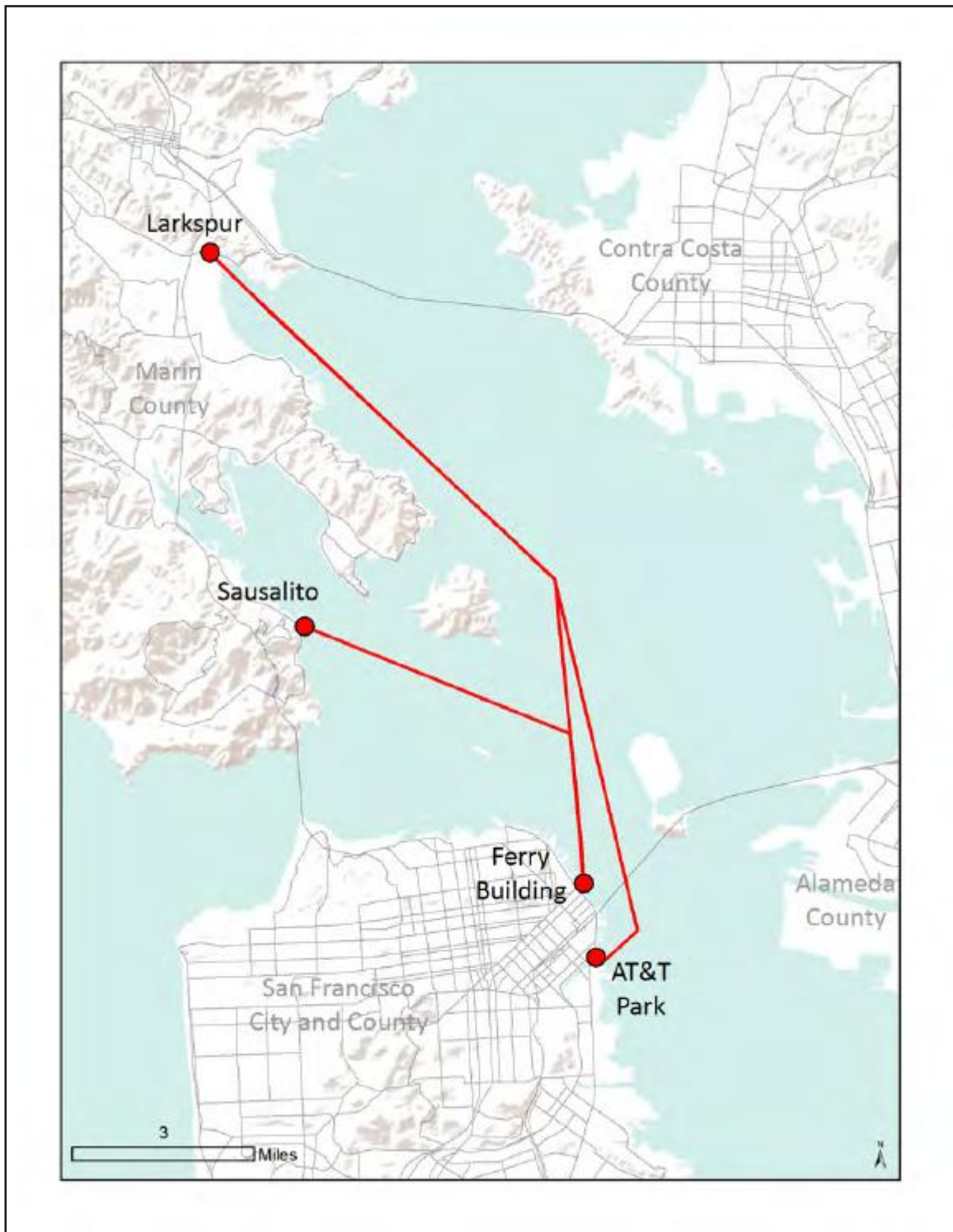


**Figure 4. Blue and Gold Fleet**

**Table 6. Golden Gate Bridge Highway and Transportation District**

<b>Type</b>	Commuter
<b>Operates within</b>	Bay
<b>Total number of segments</b>	3
<b>Segment names &amp; length (nautical miles)</b>	Ferry Building – Larkspur (15.00 nmi) Ferry Building – Sausalito (6.00 nmi) Larkspur – AT&T Park* (14.60 nmi)
<b>Advertised fares</b>	Adults \$9.00; Senior \$4.50; Child FREE
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	Weekdays 5:50 am – 10:05 pm; Weekends 9:40 am – 8:10 pm
<b>Total number of vessels</b>	7
<b>Seating capacity by vessel</b>	399-750
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	20-180
<b>Boarding statistics (2011)</b>	Served 65,000 passengers; 60 average daily trips
<b>Plans for future expansion</b>	No firm plans but actively interested in expanding service
<b>Ownership type</b>	Public
<b>Operator type</b>	Public
<b>CEO</b>	Denis Mulligan
<b>Contact</b>	Colin McDermott 415-925-5576 cmcdermott@goldengate.org
<b>Website</b>	<a href="http://Goldengateferry.org">http://Goldengateferry.org</a>

\* Operates only on Game Days for AT&T Park.



**Figure 5. Golden Gate Bridge Highway and Transportation District**

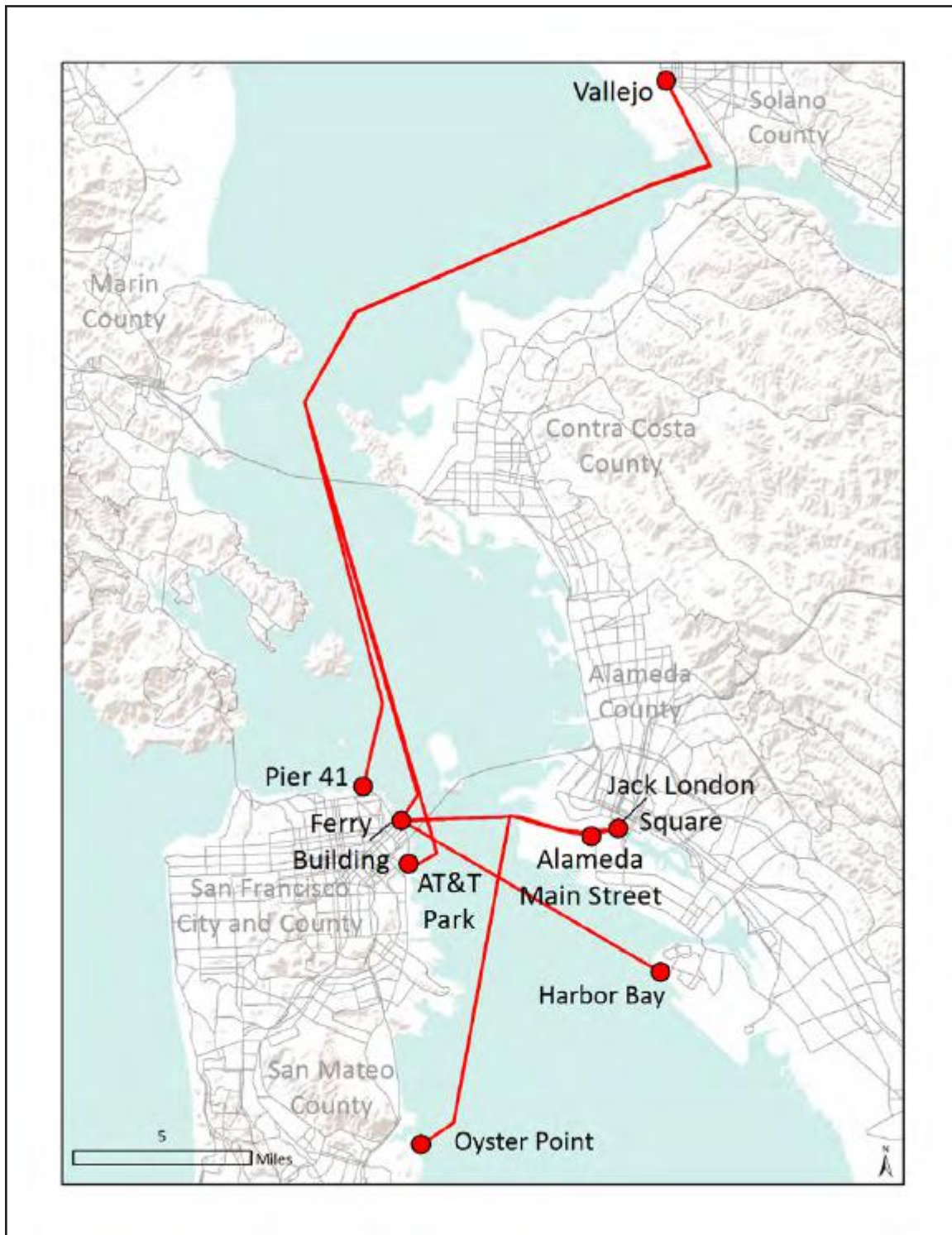


**Table 7. Water Emergency Transportation Authority (WETA)**

<b>Type</b>	Commuter
<b>Operates within</b>	Bay
<b>Total number of segments</b>	7
<b>Segment names &amp; length (nautical miles)</b>	Ferry Building – Jack London Square (8.5 nmi) Ferry Building – Main Street, Alameda (8.5 nmi) Vallejo – Pier 41 (24.00 nmi) Vallejo – Ferry Building (24.00 nmi) Vallejo – AT&T Park** (24.00 nmi) Ferry Building – Harbor Bay (7.5 nmi) Main Street, Alameda – Oyster Point (10.9 nmi)
<b>Advertised fares (one-way)</b>	Adult \$6.25; Youth \$3.50; Senior \$3.10; Child FREE
<b>Regulated by</b>	Self-regulated
<b>Hours of operation</b>	Weekdays 5:30 am – 5:45 pm; Weekends 8:30 am – 7:30 pm
<b>Total number of vessels</b>	11
<b>Seating capacity by vessel</b>	149-400
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	15-30
<b>Boarding statistics (2011)</b>	13-30 average daily trips
<b>Plans for future expansion</b>	In 10 years, expand routes to Richmond, Berkeley, Treasure Island
<b>Ownership type</b>	Public
<b>Operator type</b>	Public
<b>CEO</b>	Nina Rannells <a href="mailto:rannells@watertransit.org">rannells@watertransit.org</a>
<b>Contact</b>	Keith Stahnke <a href="mailto:stahnke@watertransit.org">stahnke@watertransit.org</a> 415-364-3192
<b>Website</b>	<a href="http://watertransit.org">http://watertransit.org</a>

*Note:* Took over City of Alameda Ferry, Harbor Bay, Vallejo Baylink Ferry; Operated by Blue & Gold Fleet.

\*\* Operates only on Game Days for AT&T Park.



**Figure 6. Water Emergency Transportation Authority (WETA)**

**Table 8. Tideline Marine Group\***

<b>Type</b>	Water taxi
<b>Operates within</b>	Bay
<b>Port locations</b>	Pier 50 (SF); Berth 9 (Oakland)
<b>Advertised fares</b>	N/A
<b>Regulated by</b>	N/A
<b>Hours of operation</b>	N/A
<b>Total number of vessels</b>	N/A
<b>Seating capacity by vessel</b>	N/A
<b>Boarding statistics</b>	N/A
<b>Plans for future expansion</b>	N/A
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Ryan Craves 415-339-0196
<b>Contact</b>	Ryan Craves 415-339-0196
<b>Website</b>	<a href="http://Tidelinesf.com/services/water-taxi-service/">http://Tidelinesf.com/services/water-taxi-service/</a>

\* Operator did not respond to repeated requests for information; table entries reflect data available at the operator's website.

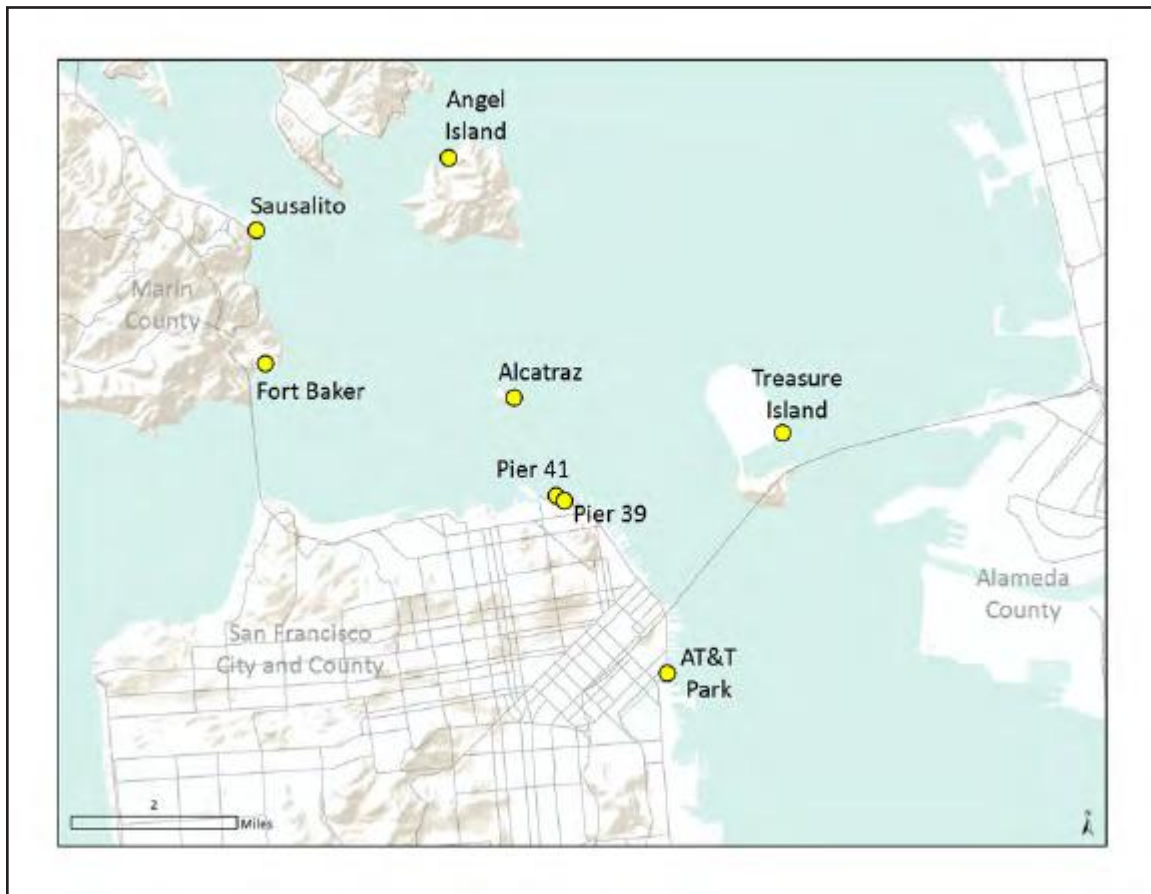


**Figure 7. Tideline Marine Group**

**Table 9. San Francisco Water Taxi Co.\***

<b>Type</b>	Water taxi
<b>Operates within</b>	Bay
<b>Port locations</b>	Sausalito; Angel Island; Fort Baker; Alcatraz; Pier 41; Pier 39; AT&T Park; Treasure Island
<b>Advertised fares</b>	N/A
<b>Regulated by</b>	N/A
<b>Hours of operation</b>	N/A
<b>Total number of vessels</b>	N/A
<b>Seating capacity by vessel</b>	12
<b>Boarding statistics</b>	N/A
<b>Plans for future expansion</b>	N/A
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Dave Thomas
<b>Contact</b>	N/A
<b>Website</b>	N/A

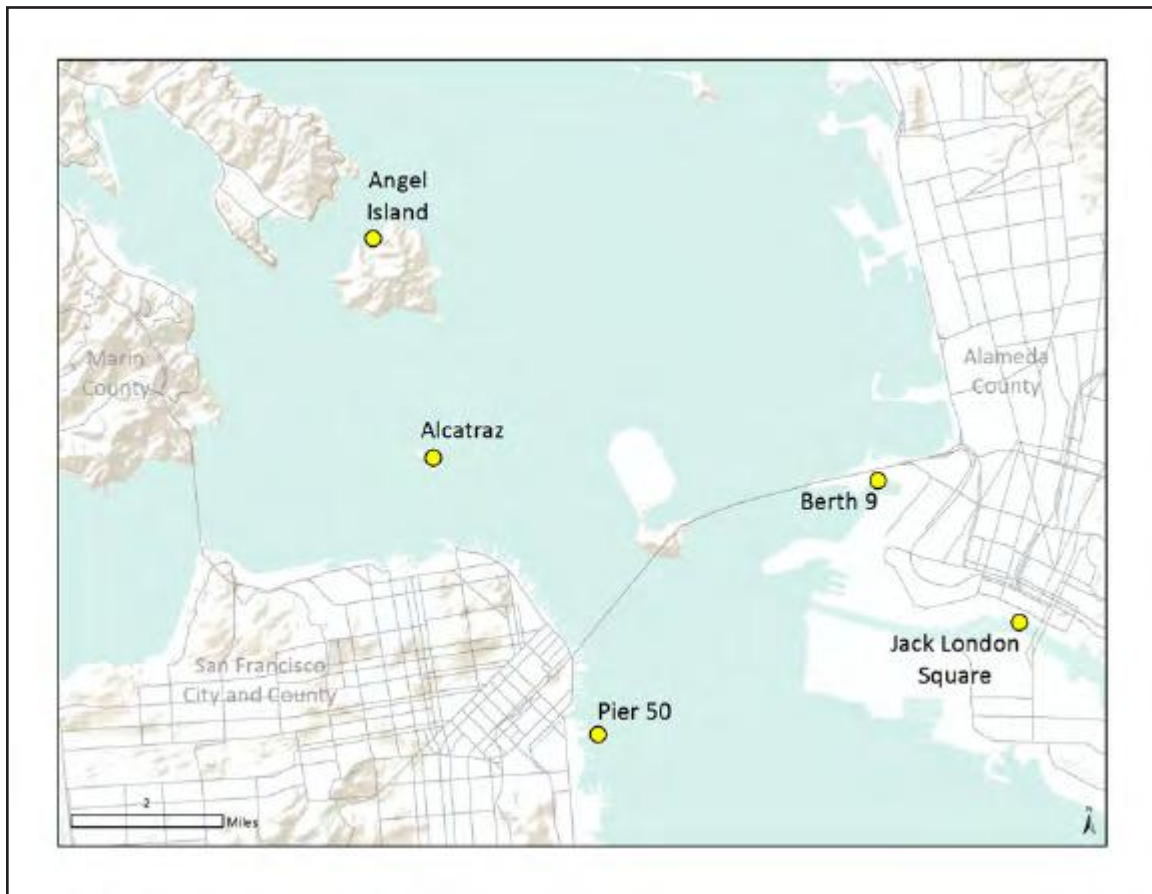
\* Operator did not respond to repeated requests for information; table entries reflect data available at the operator's website.



**Figure 8. San Francisco Water Taxi Co.**

**Table 10. Westar Marine Services**

<b>Type</b>	Water taxi
<b>Operates within</b>	Ocean/Bay
<b>Port locations</b>	Pier 50 (SF); Berth 9 (Oakland); Angel Island; Alcatraz; Jack London Square
<b>Advertised fares</b>	\$315 per hour up to 49 passengers
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	24/7/365
<b>Total number of vessels</b>	6
<b>Seating capacity by vessel</b>	28-49
<b>Boarding statistics (2011)</b>	15 average daily trips
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Mary McMillan 415-495-3191
<b>Contact</b>	Rich Smith 415-495-3191
<b>Website</b>	<a href="http://Westarmarineservices.com/watertaxilist.htm">http://Westarmarineservices.com/watertaxilist.htm</a>



**Figure 9. Westar Marine Services**



**Table 11. Santa Cruz Port District, Harbor Water Taxi**

<b>Type</b>	Water taxi
<b>Operates within</b>	Bay
<b>Port locations</b>	Santa Cruz Harbor
<b>Advertised fares</b>	Free
<b>Regulated by</b>	Port District
<b>Hours of operation</b>	Memorial Day – Labor Day: Weekends 11 am – 5 pm
<b>Total number of vessels</b>	2
<b>Seating capacity by vessel</b>	6-20
<b>Boarding statistics (2011)</b>	Served 10,000 passengers; 20 average daily trips
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Public
<b>Operator type</b>	Public
<b>CEO</b>	Chuck Izenstark 831-475-6161 x20 cizenstark@santacruzharbor.org
<b>Contact</b>	Chuck Izenstark 831-475-6161 x20 cizenstark@santacruzharbor.org
<b>Website</b>	<a href="http://santacruzharbor.org/parkingWaterTaxi.html">http://santacruzharbor.org/parkingWaterTaxi.html</a>



**Figure 10. Santa Cruz Port District, Harbor Water Taxi**

## SACRAMENTO/DELTA AREA WATER TRANSIT SERVICES

There are a total of two water transit providers in the Sacramento/Delta area:

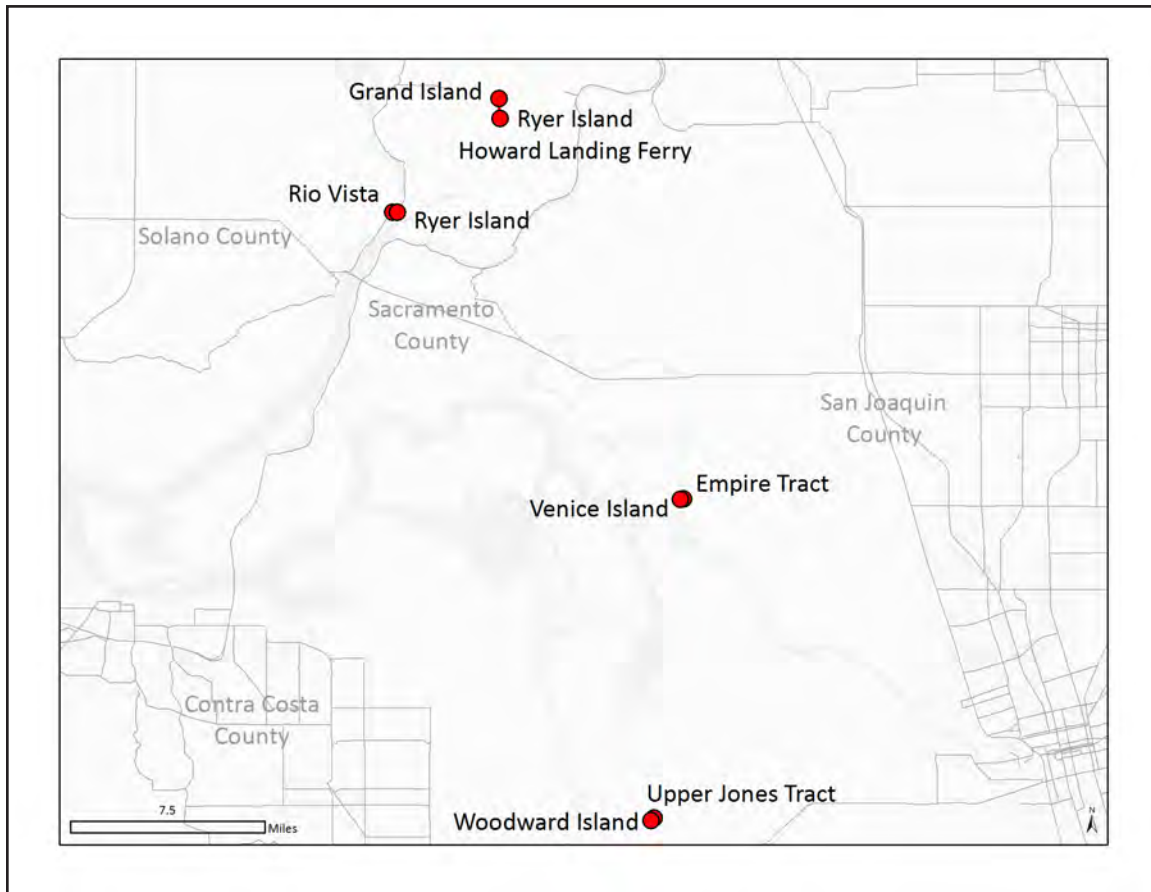
- Caltrans Water Transit Services
- San Joaquin County Dept. of Public Works

These providers are summarized in Table 12.

**Table 12. Summary of Commuter and Non-Commuter Water Transit Services in the Sacramento/Delta Area**

Type	Total Number of Operators	Total Number of Vessels	Total Nautical Miles	Ownership (OW) / Operator Type (OP)	
				Total Number of Private	Total Number of Public
Commuter	2	4	1.16	OW: 0 / OP: 1	OW: 2 / OP: 1
Non-commuter	N/A	N/A	N/A	N/A	N/A
Water taxi	N/A	N/A	N/A	N/A	N/A

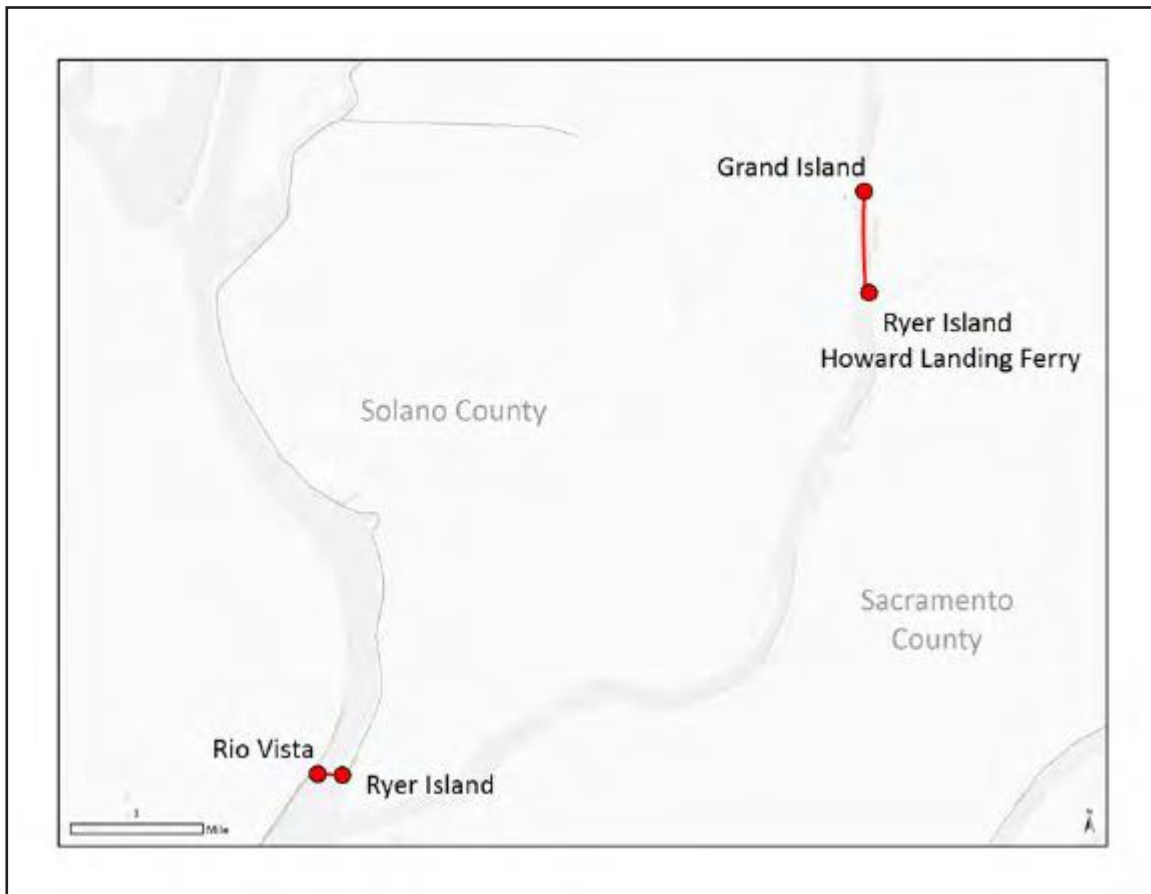
Figure 11 presents an overview of water transit services serving the Sacramento/Delta area. These services are what might be called “short-hops” between the various islands and along the many rivers and sloughs in this part of the state.



**Figure 11. Overview of Sacramento/Delta Area Water Transit Services**

**Table 13. Caltrans Water Transit Services**

<b>Type</b>	Commuter
<b>Operates within</b>	River
<b>Total number of segments</b>	2
<b>Segment names and length (nautical miles)</b>	Grand Island – Howard Landing Ferry, Ryer Island (0.13 nmi) Rio Vista – Ryer Island (0.8 nmi)
<b>Advertised fares</b>	Free
<b>Regulated by</b>	N/A
<b>Hours of operation</b>	24/7
<b>Total number of vessels</b>	2
<b>Seating capacity by vessel</b>	N/A
<b>Car capacity by vessel</b>	6-8
<b>Bike capacity by vessel</b>	No max capacity
<b>Boarding statistics (2011)</b>	200 average daily trips
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Public
<b>Operator type</b>	Public
<b>CEO</b>	Dijan Sartipi 510-286-4444
<b>Contact</b>	Vince Jacala 510-286-5206
<b>Website</b>	<a href="http://dot.ca.gov/dist4/deltaferries/index.html">http://dot.ca.gov/dist4/deltaferries/index.html</a>



**Figure 12. Caltrans Water Transit Services**

**Table 14. San Joaquin County Department of Public Works**

<b>Type</b>	Commuter
<b>Operates within</b>	River
<b>Total number of segments</b>	2
<b>Segment names &amp; length (nautical miles)</b>	Empire Tract – Venice Island (0.12 nmi) Upper Jones Tract – Woodward Island (0.11 nmi)
<b>Advertised fares</b>	FREE
<b>Regulated by</b>	N/A
<b>Hours of operation</b>	Monday – Sunday 6:30 am – 5 pm & on-call
<b>Total number of vessels</b>	2
<b>Seating capacity by vessel</b>	N/A
<b>Car capacity by vessel</b>	Trucks only
<b>Bike capacity by vessel</b>	N/A
<b>Boarding statistics</b>	None
<b>Plans for future expansion</b>	Remove 1 vessel, adding bridge
<b>Ownership type</b>	Public
<b>Operator type</b>	Private
<b>CEO</b>	Mark Connally 805-642-1393 mc@islandpackers.com
<b>Contact</b>	Dan McCann 209-468-3106 dmccann@sjgov.org
<b>Website</b>	<a href="http://Ferry-service.findthedata.org/I/215/Upper-Jones-Tract-Stockton-CA-Woodward-Island-CA">http://Ferry-service.findthedata.org/I/215/Upper-Jones-Tract-Stockton-CA-Woodward-Island-CA</a>



**Figure 13. San Joaquin County Department of Public Works**



## SANTA BARBARA AREA WATER TRANSIT SERVICES

There are a total of four water transit providers in the Santa Barbara area:

- Island Packers Corporation
- Avila Beach Water Taxi
- Santa Barbara Water Taxi
- Ventura Water Taxi

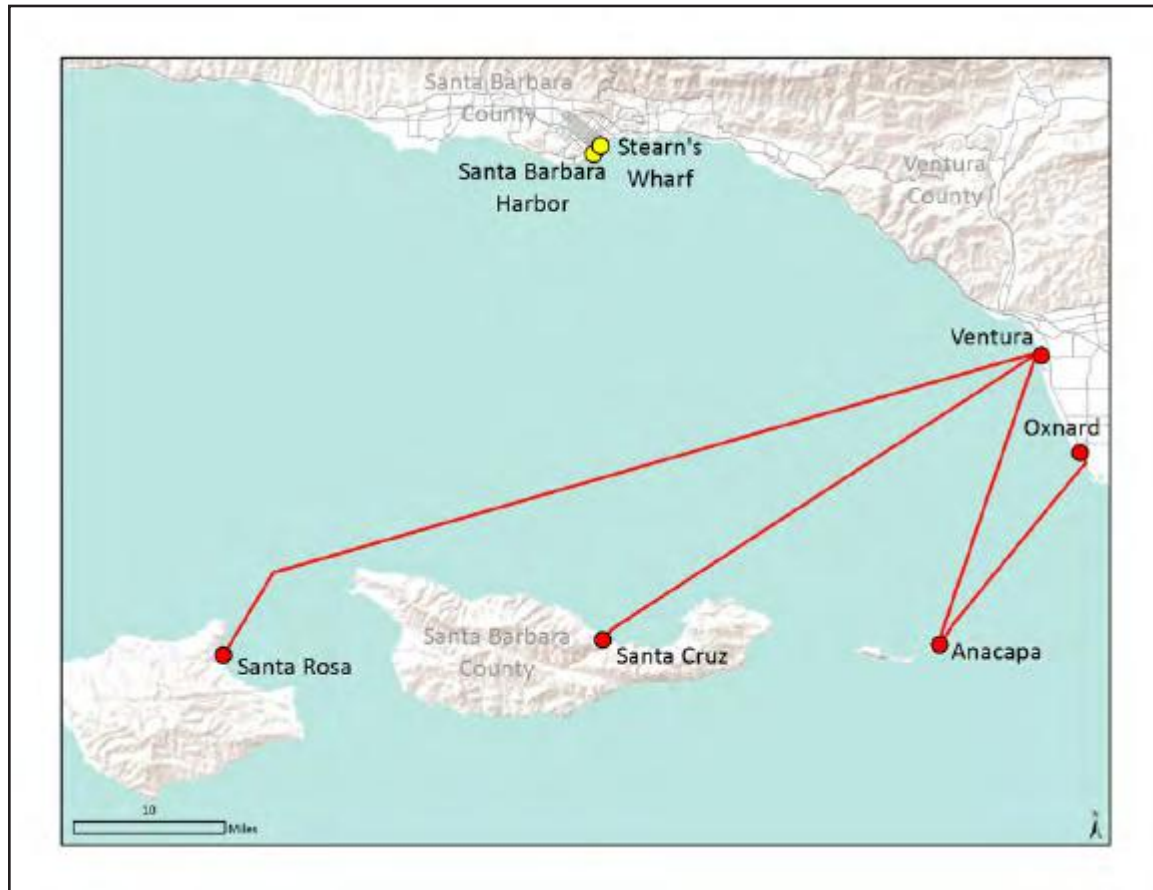
These providers are summarized in Table 15.

**Table 15. Summary of Commuter and Non-Commuter Water Transit Services in the Santa Barbara Area**

Type	Total Number of Operators	Total Number of Vessels	Total Nautical Miles	Ownership (OW) / Operator Type (OP)	
				Total Number of Private	Total Number of Public
Commuter	N/A	N/A	N/A	N/A	N/A
Non-commuter	1	3	88.0	OW: 1 / OP: 1	OW: 0 / OP: 0
Water taxi	3	2**	N/A	OW: 2 / OP: 2	OW: 0 / OP: 0

\*\* Some operators in this region did not respond to repeated requests for information; table entries reflect data available at the operator's website.

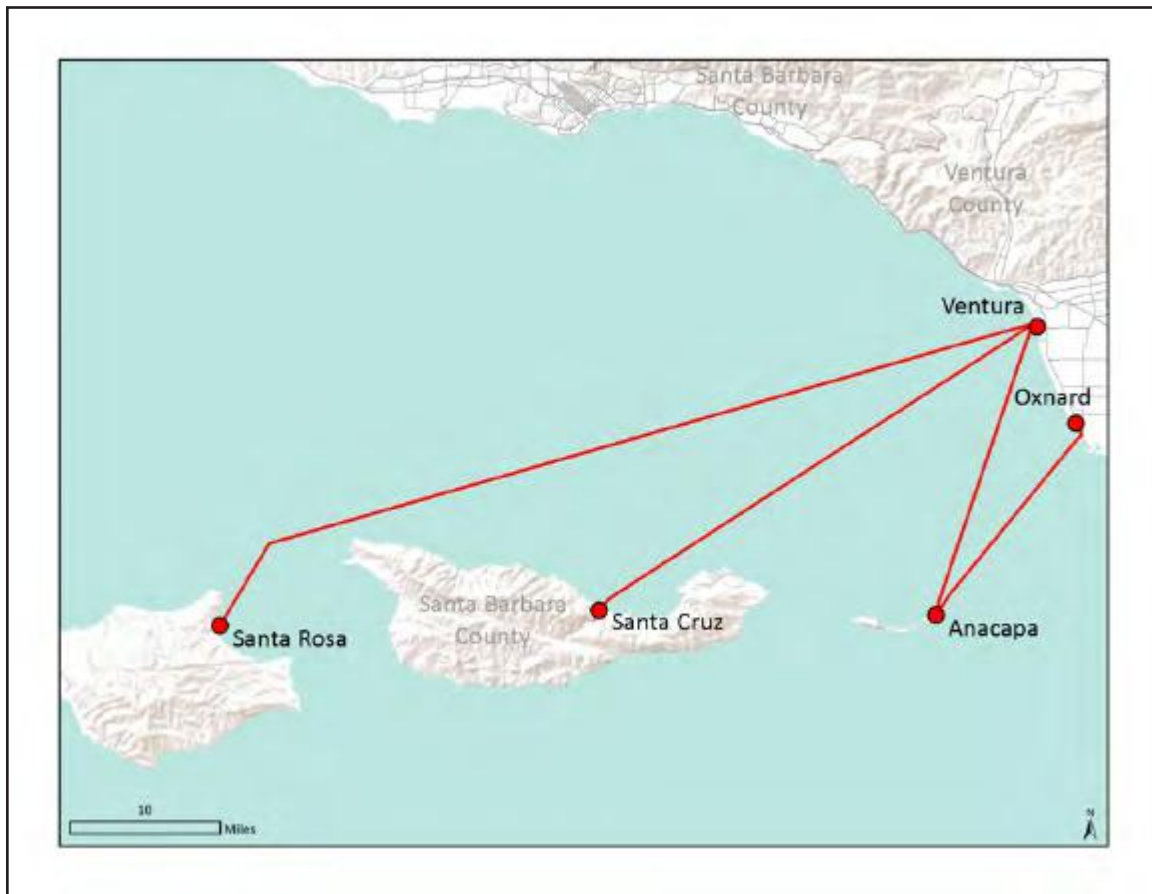
Figure 14 presents an overview of water transit services serving the Santa Barbara region. Red points and lines on the map indicate primary water transit services and yellow points and lines indicate water taxi terminals. This regional section includes one operator (Avila Beach Water Taxi), although it is not reflected in Figure 14 in the interest of maintaining the detailed geographic focus; however, the poster map in the back pocket of this report does show Avila Beach area services. Avila Beach is situated approximately seventy miles north of the map area shown in Figure 14.



**Figure 14. Santa Barbara Area Water Transit Services**

**Table 16. Island Packers Corporation**

<b>Type</b>	Non-commuter
<b>Operates within</b>	Ocean
<b>Total number of segments</b>	4
<b>Segment names &amp; length (nautical miles)</b>	Ventura – Anacapa (17.00 nmi) Ventura – Santa Cruz (21.00 nmi) Ventura – Santa Rosa Island (39.00 nmi) Oxnard – Anacapa (11.00 nmi)
<b>Advertised fares</b>	Adult \$56; Child \$39; Senior \$51; Infant FREE
<b>Regulated by</b>	National Park Service
<b>Hours of operation</b>	Monday – Sunday 9 am – 5 pm
<b>Total number of vessels</b>	3
<b>Seating capacity by vessel</b>	80-149
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	N/A
<b>Boarding statistics (2011)</b>	Served 67,064 passengers; 1,454 round trips; 10 average daily trips
<b>Plans for future expansion</b>	Add 1-149 passenger vessel by April 2013
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Mark Connally 805-642-1393 mc@islandpackers.com
<b>Contact</b>	Alex Brodie 805-642-1391 x311 abrodie@islandpackers.com
<b>Website</b>	<a href="http://islandpackers.com">http://islandpackers.com</a>



**Figure 15. Island Packers Corporation**

**Table 17. Avila Beach Water Taxi**

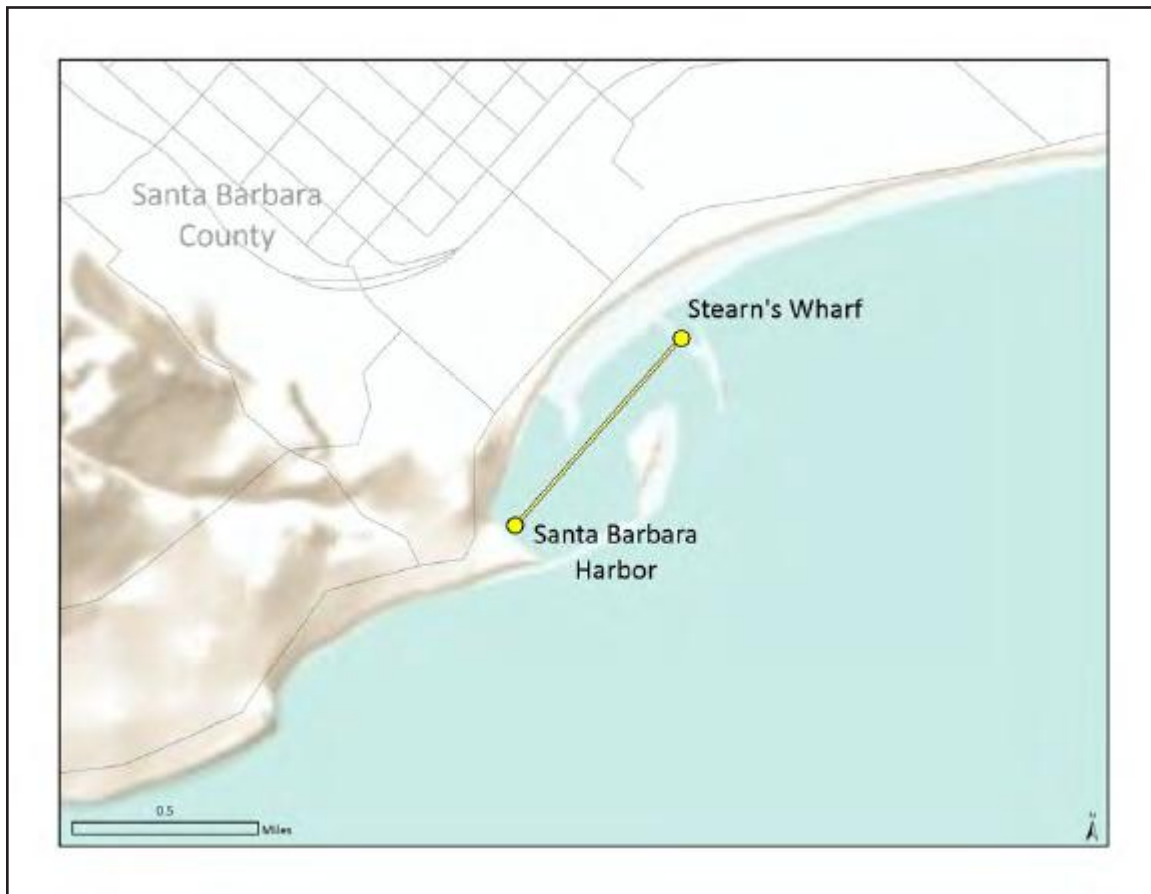
<b>Type</b>	Water taxi
<b>Operates within</b>	Ocean
<b>Port locations</b>	Public landing of Harford Pier
<b>Advertised fares</b>	FREE or \$18 one-way split between passengers
<b>Regulated by</b>	Self-regulated
<b>Hours of operation</b>	Monday – Sunday 8 am – 4 pm
<b>Total number of vessels</b>	1
<b>Seating capacity by vessel</b>	6
<b>Boarding statistics (2011)</b>	2 average daily trips
<b>Plans for future expansion</b>	Depends on Port of San Luis subsidy and growth of port
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Lee Egan 805-703-0397 seaweedxps@gmail.com
<b>Contact</b>	Lee Egan 805-703-0397 seaweedxps@gmail.com
<b>Website</b>	<a href="http://avilabeachpier.com/information/water-taxi-boat-yard.html">http://avilabeachpier.com/information/water-taxi-boat-yard.html</a>



**Figure 16. Avila Beach Water Taxi**

**Table 18. Santa Barbara Water Taxi**

<b>Type</b>	Water taxi
<b>Operates within</b>	Bay
<b>Segment name &amp; length (nautical miles)</b>	Santa Barbara – Stearn’s Wharf (0.75 nmi)
<b>Advertised fares</b>	Adult \$8; Child \$2
<b>Regulated by</b>	Self-regulated
<b>Hours of operation</b>	Fridays 1:30 pm – 3:30 pm; Weekends 12 pm – 5 pm
<b>Total number of vessels</b>	1
<b>Seating capacity by vessel</b>	21
<b>Boarding statistics (2011)</b>	Served 300,00 passengers in 9 years; 24 average daily trips
<b>Plans for future expansion</b>	Possible service extension to Newport Beach
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Denis Mulligan
<b>Contact</b>	Fred Hershman 888-316-9363 fred@celebrationsantabarbara.com
<b>Website</b>	<a href="http://sbwatertaxi.com">http://sbwatertaxi.com</a>



**Figure 17. Santa Barbara Water Taxi**



**Table 19. Ventura Water Taxi\***

<b>Type</b>	Water taxi
<b>Operates within</b>	Bay
<b>Port locations</b>	Ventura Boat Rentals Dock; Marina Park Dock; National Parks Visitor's Center Dock G
<b>Advertised fares</b>	\$2
<b>Regulated by</b>	N/A
<b>Hours of operation</b>	Memorial Day – Labor Day; Weekends 11 am – 7 pm
<b>Total number of vessels</b>	N/A
<b>Seating capacity by vessel</b>	N/A
<b>Boarding statistics</b>	N/A
<b>Plans for future expansion</b>	N/A
<b>Ownership type</b>	N/A
<b>Operator type</b>	N/A
<b>CEO</b>	N/A
<b>Contact</b>	N/A
<b>Website</b>	<a href="http://venturaboatrentals.com/VenturaWaterTaxi.htm">http://venturaboatrentals.com/VenturaWaterTaxi.htm</a>

\* Operator did not respond to repeated requests for information; table entries reflect data available at the operator's website.



**Figure 18. Ventura Water Taxi**

## LOS ANGELES/ORANGE COUNTY AREA WATER TRANSIT SERVICES

There are a total of six water transit providers in the Los Angeles/Orange County area:

- Balboa Island Ferry
- Catalina Express
- Long Beach Transit
- Catalina Flyer
- Marina Del Rey Waterbus
- Avalon Shoreboats

These providers, some of which offer both commuter and non-commuter services, are summarized in Table 20.

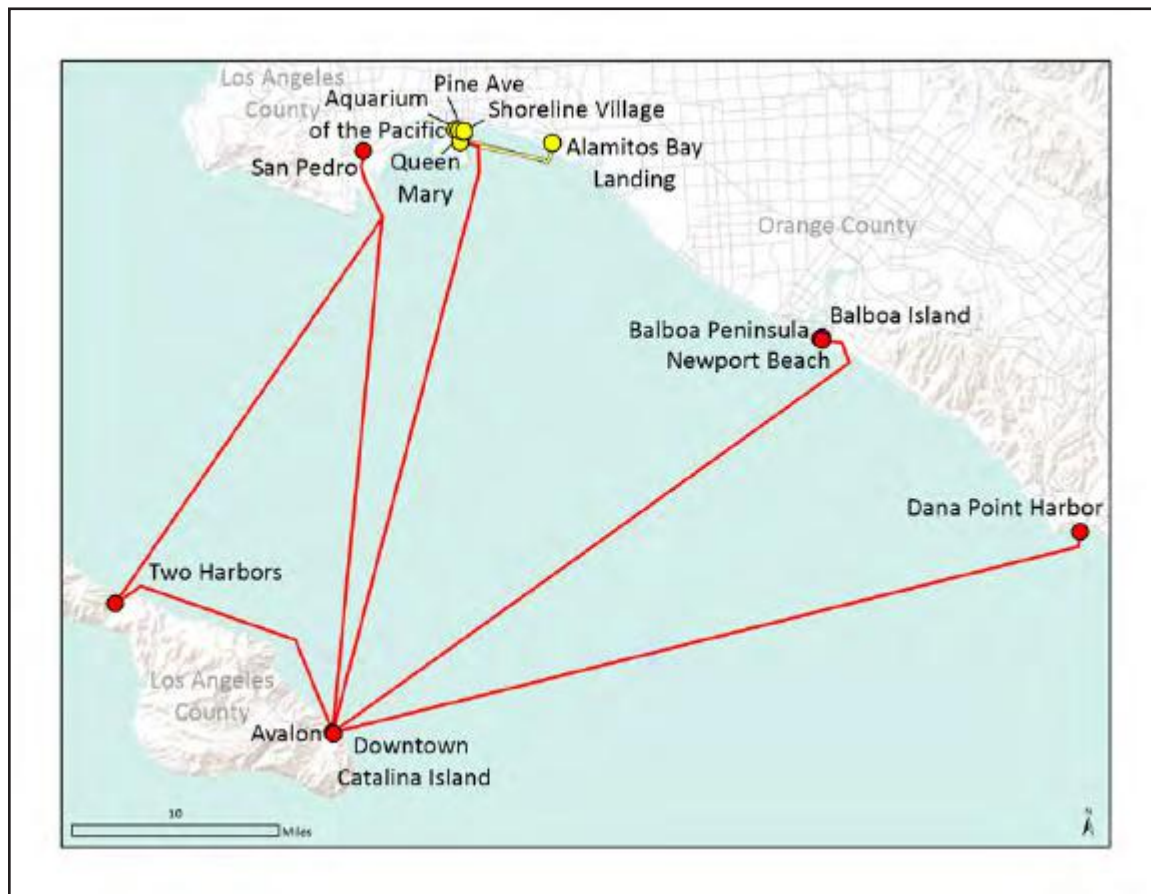
**Table 20. Summary of Commuter and Non-Commuter Water Transit Services in the Los Angeles/Orange County Area**

Type	Total Number of Operators*	Total Number of Vessels	Total Nautical Miles	Ownership (OW) / Operator Type (OP)	
				Total Number of Private	Total Number Public
Commuter	3	12	208.17	OW: 2 / OP: 2	OW: 0 / OP: 0
Non-commuter	1	1	28.0	OW: 1 / OP: 1	OW: 1 / OP: 1
Water taxi	3	4**	N/A	OW: 1 / OP: 0	OW: 0 / OP: 1

\* Some operators in this region provide both “commuter” and “non-commuter” services and are thus double-counted; see individual operator tables for more detail.

\*\* Some operators in this region did not respond to repeated requests for information; table entries reflect data available at the operator’s website.

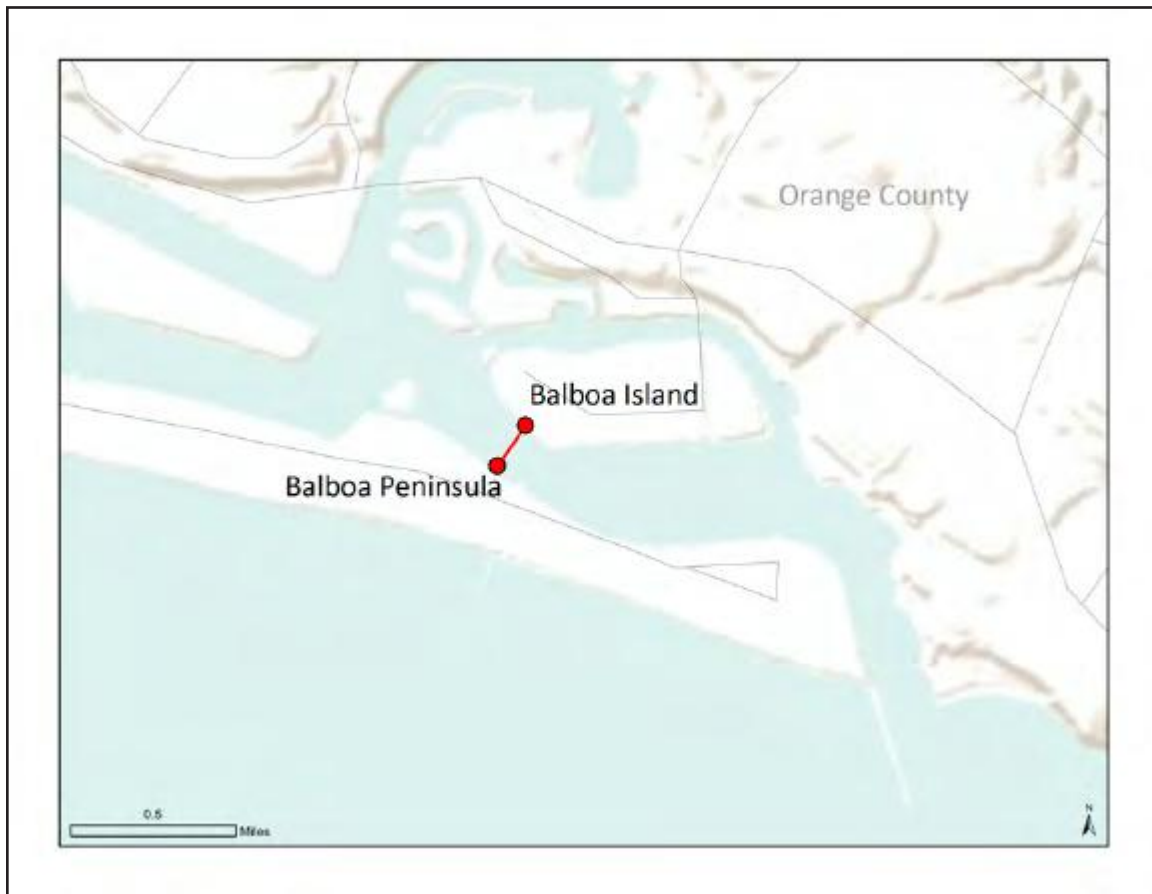
Figure 19 presents an overview of water transit services in the southern Los Angeles County and Long Beach areas as well as northern Orange County and westward to Catalina Island. Red points and lines on the map indicate primary water transit services and yellow points and lines indicate water taxi services.



**Figure 19. Los Angeles/Orange County Area Water Transit Services**

**Table 21. Balboa Island Ferry**

<b>Type</b>	Commuter
<b>Operates within</b>	Bay
<b>Total number of segments</b>	1
<b>Segment name &amp; length (nautical mi.)</b>	Balboa – Balboa Island (0.17 nmi)
<b>Advertised fares</b>	Adult \$1; Child \$0.50; Car \$2; Motorcycle \$1.50; Bicycle & Adult \$1.25; Bicycle & Child \$0.75
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	Monday – Sunday 6:30 am – 12 am
<b>Total number of vessels</b>	3
<b>Seating capacity by vessel</b>	75
<b>Car capacity by vessel</b>	3
<b>Bike capacity by vessel</b>	60
<b>Boarding statistics (2011)</b>	Served 1 million passengers; 263,000 cars; 360 average daily trips
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Seymour Beek 949-673-1070
<b>Contact</b>	Casey Jones 949-673-1070
<b>Website</b>	<a href="http://balboaislandferry.com">http://balboaislandferry.com</a>



**Figure 20. Balboa Island Ferry**

**Table 22. Catalina Express**

<b>Type</b>	Commuter
<b>Operates within</b>	Ocean
<b>Total number of segments</b>	6
<b>Segment names &amp; length (nautical mi.)</b>	Avalon, Catalina Island – Dana Point Harbor (30.00 nmi)
	Avalon, Catalina Island – Queen Mary (30.00 nmi)
	Avalon, Catalina Island – San Pedro (30.00 nmi)
	San Pedro – Two Harbors, Catalina Island (30.00 nmi)
	Avalon, Catalina Island – Downtown Catalina Landing (30.00 nmi)
	Two Harbors, Catalina Island – Downtown Catalina Landing (30.00 nmi)
<b>Advertised fares</b>	Adult \$72.50; Child \$57; Senior \$66; Infant \$5
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	Monday – Sunday 6:15 am – 8:50 pm
<b>Total number of vessels</b>	8 (+4 Long Beach Transit water taxis)
<b>Seating capacity by vessel</b>	149-350
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	8
<b>Boarding statistics (2011)</b>	Served 500,000 passengers; 30 average daily trips
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Greg Bombard 310-519-7971 x1000
<b>Contact</b>	Tom Rutter 310-519-7971 x1000 trutter@catalinaexpress.com
<b>Website</b>	<a href="http://catalinaexpress.com">http://catalinaexpress.com</a>

*Note:* Operates Long Beach Transit.

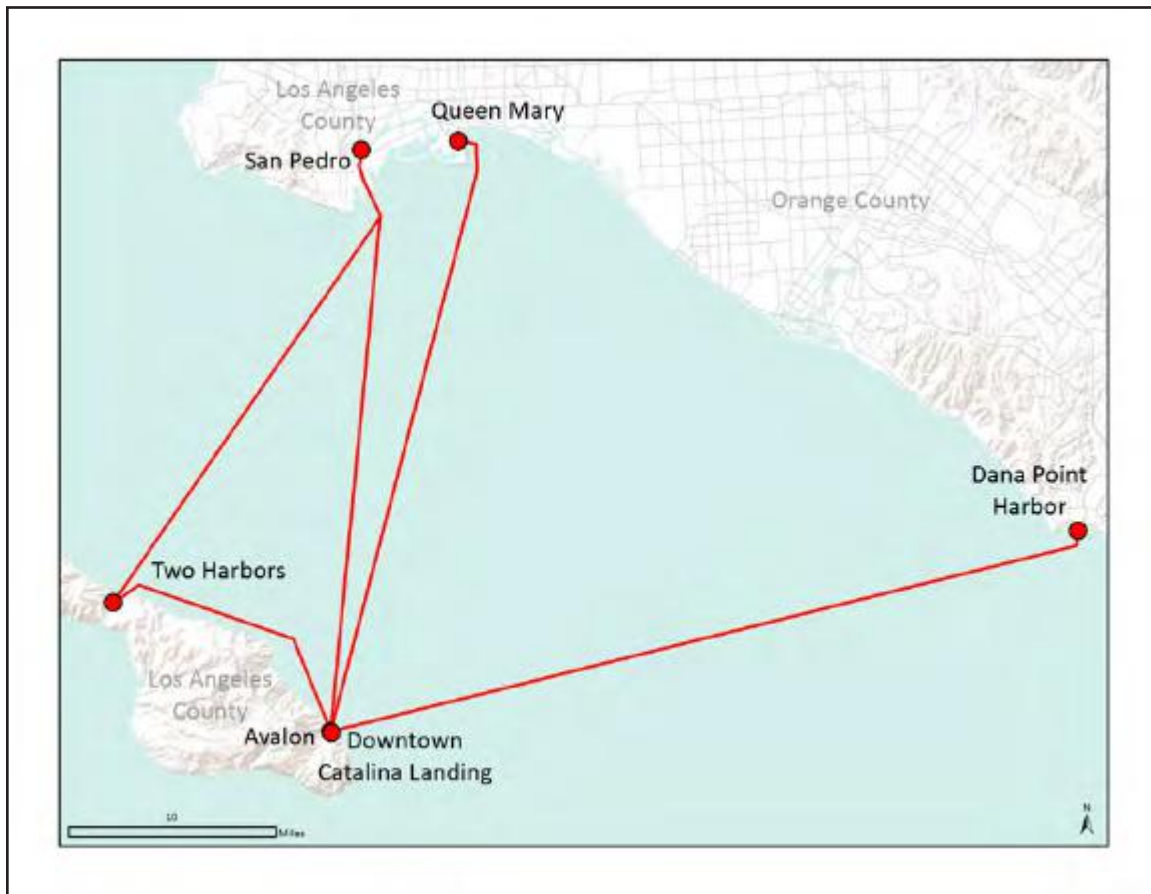


Figure 21. Catalina Express



**Table 23. Long Beach Transit**

<b>Type</b>	Water taxi
<b>Operates within</b>	Bay
<b>Total number of segments</b>	6
<b>Segment names &amp; length (nautical miles)</b>	Aquarium of the Pacific – Alamitos Bay Landing (5.00 nmi)
	Aquarium of the Pacific – Queen Mary (0.35 nmi)
	Alamitos Bay Landing – Queen Mary (4.65 nmi)
	Aquarium of the Pacific – Pine Avenue (0.05 nmi)
	Pine Avenue – Shoreline Village (0.1 nmi)
	Shoreline Village – Queen Mary (0.25 nmi)
<b>Advertised fares</b>	\$1
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	Summer Only
<b>Total number of vessels</b>	4
<b>Seating capacity by vessel</b>	37-74
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	N/A
<b>Boarding statistics (2011)</b>	Served 35,364 passengers; (2012) Served 50,063 passengers
<b>Plans for future expansion</b>	Not at this time, depends on ridership trend
<b>Ownership type</b>	Private
<b>Operator type</b>	Public
<b>CEO</b>	Lawrence W. Jackson
<b>Contact</b>	Kevin Lee 562-591-2301 klee@lbtransit.com
<b>Website</b>	<a href="http://lbtransit.com/Services/Aqualink.aspx">http://lbtransit.com/Services/Aqualink.aspx</a>

*Note:* Operated by Catalina Express.

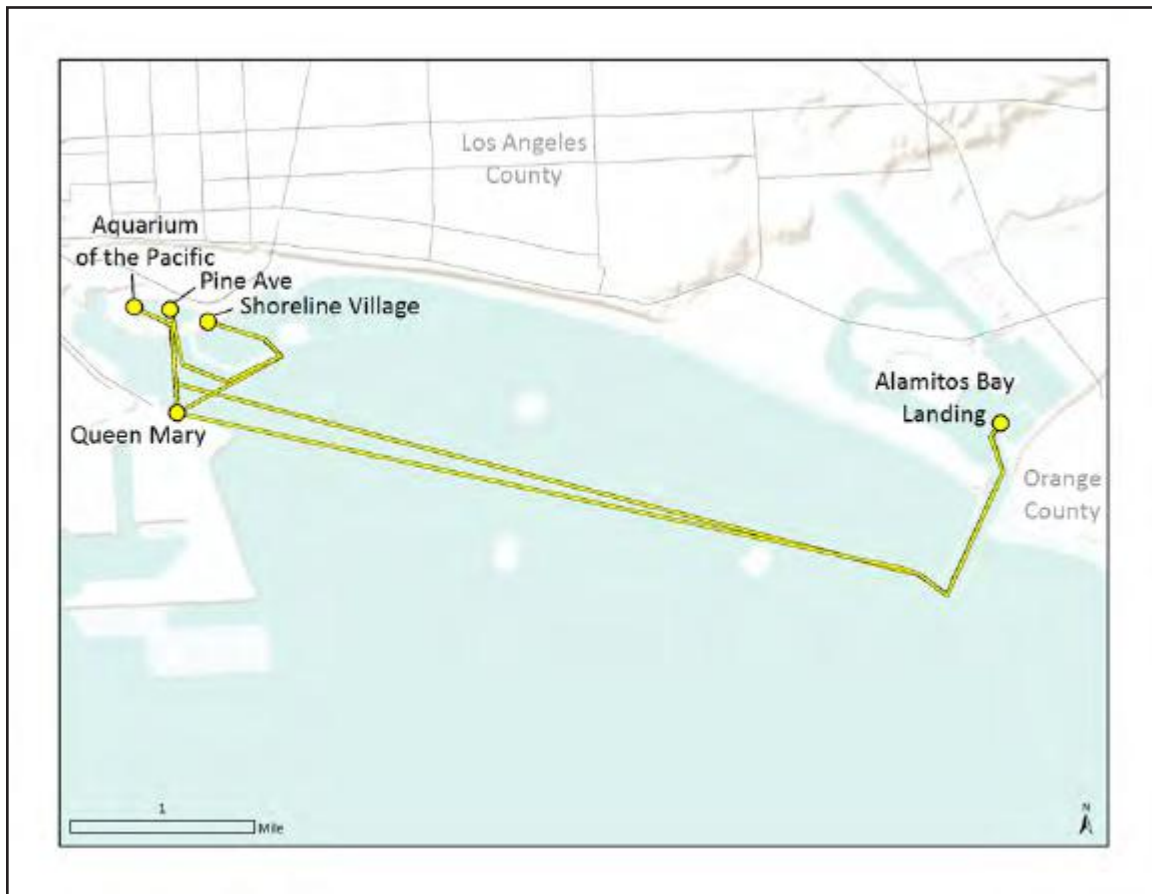


Figure 22. Long Beach Transit

**Table 24. Catalina Flyer**

<b>Type</b>	Commuter & non-commuter
<b>Operates within</b>	Ocean
<b>Total number of segments</b>	1
<b>Segment names &amp; length (nautical miles)</b>	Avalon, Catalina Island – Newport Beach (28.00 nmi)
<b>Advertised fares</b>	Adult \$69; Senior \$64; Child \$52; Infant \$5
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	Monday – Sunday 9 am – 5:45 pm
<b>Total number of vessels</b>	1
<b>Seating capacity by vessel</b>	600
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	50
<b>Boarding statistics (2011)</b>	Served 88,207 passengers; 246 trips; 1 average daily trip
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Public/Private
<b>Operator type</b>	Public/Private
<b>CEO</b>	Armond Gugasian 800-830-7744
<b>Contact</b>	Bob Black 800-830-7744 x110 bob@catalinainfo.com
<b>Website</b>	<a href="http://catalina-info.com/catalina-passenger-service.html">http://catalina-info.com/catalina-passenger-service.html</a>

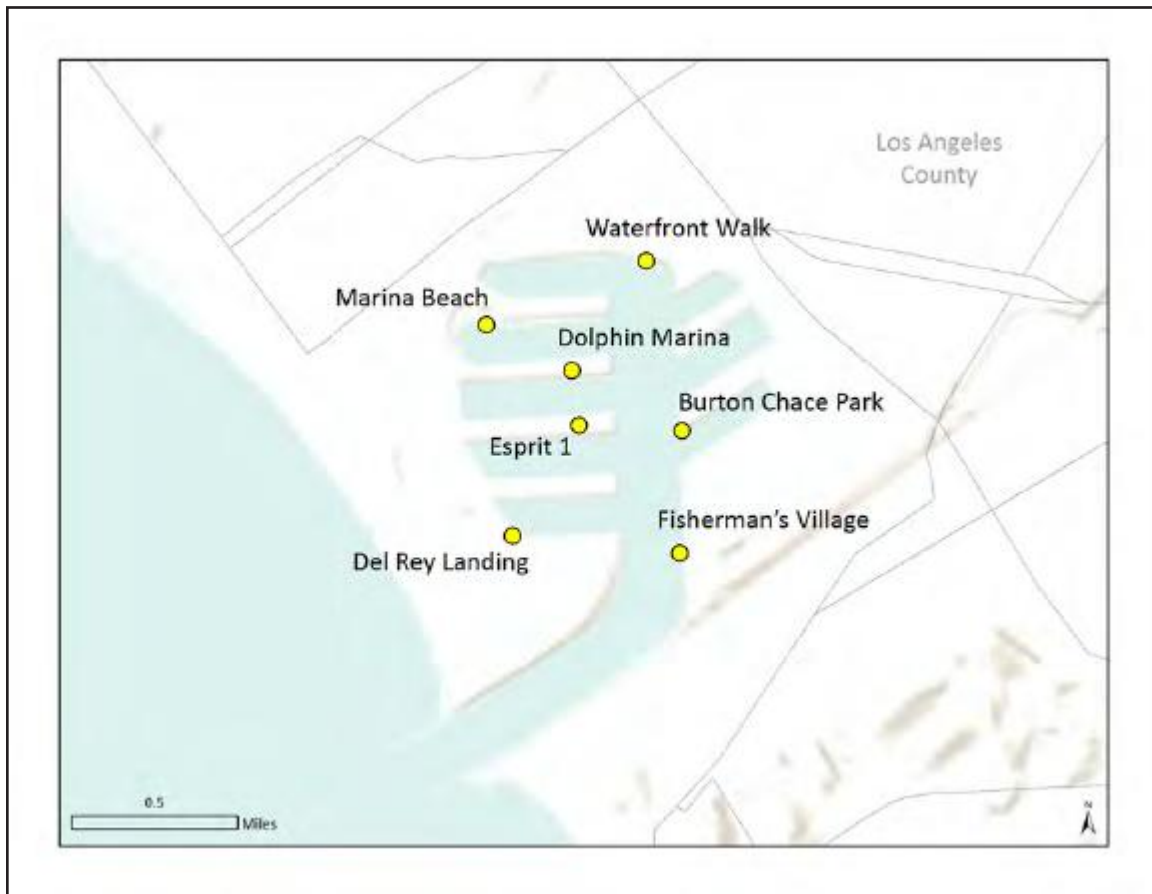


**Figure 23. Catalina Flyer**

**Table 25. Marina Del Rey Waterbus\***

<b>Type</b>	Water taxi
<b>Operates within</b>	Bay
<b>Port locations</b>	Fisherman's Village; Burton Chace Park, Waterfront Walk/Fire Station #110; Marina Beach; Dolphin Marina; Esprit 1; Del Rey Landing
<b>Advertised fares</b>	\$1
<b>Regulated by</b>	N/A
<b>Hours of operation</b>	Summer Only: Friday 5 am – midnight; Saturday 11 am – midnight; Sunday 11 am – 9 pm
<b>Total number of vessels</b>	N/A
<b>Seating capacity by vessel</b>	12
<b>Boarding statistics</b>	N/A
<b>Plans for future expansion</b>	N/A
<b>Ownership type</b>	N/A
<b>Operator type</b>	N/A
<b>CEO</b>	N/A
<b>Contact</b>	310-628-3219; mdr@hornblower.com
<b>Website</b>	<a href="http://marinewaterbus.com">http://marinewaterbus.com</a>

\* Operator did not respond to repeated requests for information; table entries reflect data available at the operator's website.

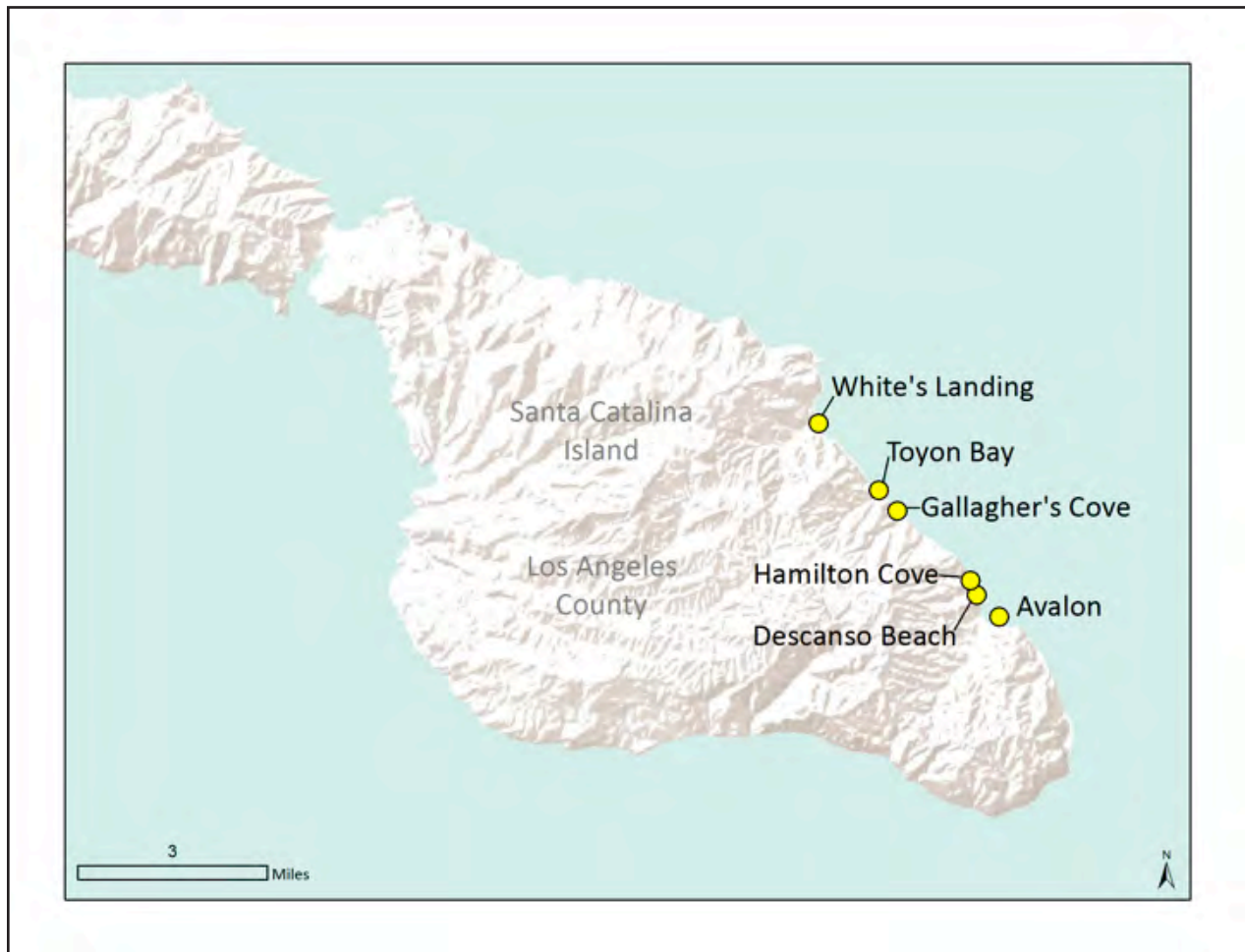


**Figure 24. Marina Del Rey Waterbus**

**Table 26. Avalon Shoreboats\***

<b>Type</b>	Water taxi
<b>Operates within</b>	Ocean
<b>Port locations</b>	Avalon Harbor, Gallagher's Cove, Toyon Bay, White's Landing, Descanso Beach, Hamilton Cove
<b>Advertised fares</b>	Adults \$4.75; Child \$2.00; Charter Service \$150 per hour
<b>Regulated by</b>	N/A
<b>Hours of operation</b>	June 1st – June 30th: Monday – Thursday 7:00 am – 12:00 am; Friday and Saturday 7:00 am – 2:00 am; July 1st – October 15th: Monday – Thursday 7:00 am – 2:00 am; Friday, Saturday, Sunday and Holidays 7:00 am – 2:00 am; U.S. Holidays and Island Special Events 7:00 am – 2:00 am; October 16th – June 1st: Sunday – Thursday 8:00 am – 10:00 pm; Friday and Saturday and New Years 8:00 am – 2:00 am
<b>Total number of vessels</b>	N/A
<b>Seating capacity by vessel</b>	39
<b>Boarding statistics</b>	N/A
<b>Plans for future expansion</b>	N/A
<b>Ownership type</b>	N/A
<b>Operator type</b>	N/A
<b>CEO</b>	N/A
<b>Contact</b>	Michelle Bower 877-510-2888
<b>Website</b>	<a href="http://www.catalinaadventuretours.com/avalon-shoreboats/avalonshoreboat1">http://www.catalinaadventuretours.com/avalon-shoreboats/avalonshoreboat1</a>

\* Operator did not respond to repeated requests for information; table entries reflect data available at the operator's website.



**Figure 25. Avalon Shoreboats**



## SAN DIEGO AREA WATER TRANSIT SERVICES

There are a total of two water transit providers in the San Diego area:

- Flagship Cruises and Events
- Mission Bay Water Taxi

These providers, some of which offer both commuter and non-commuter services, are summarized in Table 26.

**Table 27. Summary of Commuter and Non-Commuter Water Transit Services in the San Diego Area**

Type	Total Number of Operators*	Total Number of Vessels	Total Nautical Miles	Ownership (OW) / Operator Type (OP)	
				Total Number of Private	Total Number Public
Commuter	1	4	10.0	OW: 1 / OP: 1	OW: 0 / OP: 0
Non-commuter	1	4	10.0	OW: 1 / OP: 1	OW: 0 / OP: 0
Water taxi	1	1	N/A	OW: 1 / OP: 1	OW: 0 / OP: 0

\* Some operators in this region provide both commuter and non-commuter services and are thus double-counted; see individual operator tables for more detail.

Figure 25 presents an overview of water transit services in the San Diego County area. Red points and lines on the map indicate primary water transit services and yellow points and lines indicate water taxi services.



**Figure 26. San Diego Area Water Transit Services**

**Table 28. Flagship Cruises and Events**

<b>Type</b>	Commuter & non-commuter & water taxi
<b>Operates within</b>	Bay
<b>Total number of segments</b>	2
<b>Segment names &amp; length (nautical miles)</b>	Broadway Pier – Coronado Ferry Landing (5.00 nmi) Coronado Ferry Landing – Convention Center (5.00 nmi)
<b>Advertised fares</b>	\$8.50; Water taxi (\$7 one-way)
<b>Regulated by</b>	California Public Utilities
<b>Hours of operation</b>	Sunday – Thursday 9:25 am – 8:25 pm; Friday & Saturday 9:25 am – 10:25 pm
<b>Total number of vessels</b>	4
<b>Seating capacity by vessel</b>	15-250
<b>Car capacity by vessel</b>	N/A
<b>Bike capacity by vessel</b>	32
<b>Boarding statistics (2011)</b>	Served 600,000 passengers; 40 average daily trip
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	George Palermo 619-522-6159 george@flagshipsd.com
<b>Contact</b>	Brad Engel 619-522-6183
<b>Website</b>	<a href="http://sdhe.com">http://sdhe.com</a>

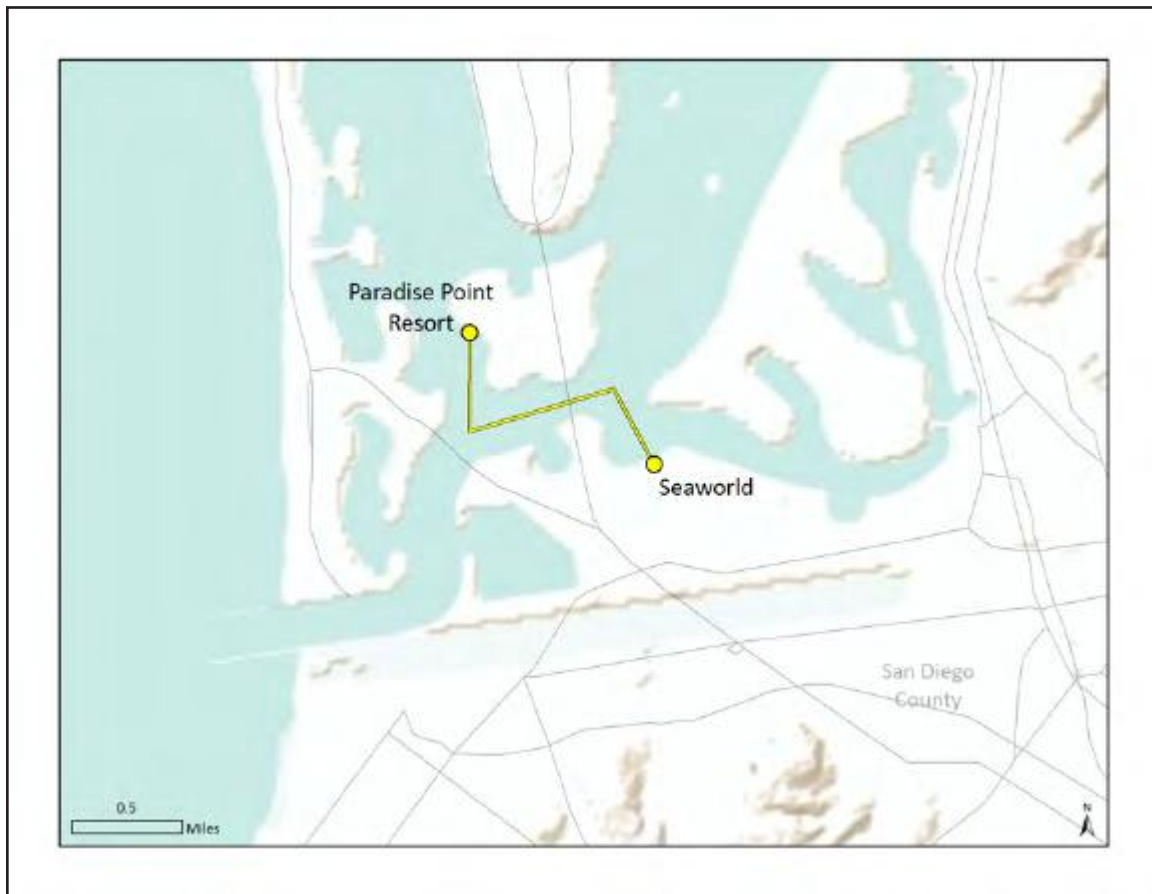
*Note:* Previously known as San Diego Harbor Excursion.



**Figure 27. Flagship Cruises and Events**

**Table 29. Mission Bay Water Taxi**

<b>Type</b>	Water taxi
<b>Operates within</b>	Bay
<b>Segment names &amp; length (nautical miles)</b>	Paradise Point Resort - Seaworld (0.5 nmi)
<b>Advertised fares</b>	Adult \$9; Child \$5
<b>Regulated by</b>	Self-regulated
<b>Hours of operation</b>	Summer only 10:15 am – 7:15 pm
<b>Total number of vessels</b>	1
<b>Seating capacity by vessel</b>	21
<b>Boarding statistics (2011)</b>	4 average daily trip
<b>Plans for future expansion</b>	No
<b>Ownership type</b>	Private
<b>Operator type</b>	Private
<b>CEO</b>	Gary Pelder 619-226-2929
<b>Contact</b>	Matthew Hartung 619-246-7171 mhartung@yahoo.com
<b>Website</b>	<a href="http://missionbaywatertaxi.com">http://missionbaywatertaxi.com</a>



**Figure 28. Mission Bay Water Taxi**



### III. “CIRCULAR”/RECREATIONAL WATER TRANSIT SERVICES IN CALIFORNIA

The previous section provides comprehensive details about each commuter and non-commuter water transit operator in the state of California. In the interest of demonstrating the thoroughness with which we conducted this census, Table 30 presents a listing of 37 additional water transportation operators in the state that we have classified as “circular”/recreational in nature since they do not provide “Point A to Point B” service. The relevant website for the operator is provided if it exists. Our research concluded that these operators were not directly relevant to the scope of services and impetus for this census since they provide lake cruises, charter yachts, whale watching adventures, sport fishing and bay-based “cruises to nowhere.”

Also, since none of the operators listed in Table 30 appear to offer fixed-route service and all are almost exclusively recreational in nature, they did not qualify as meeting the threshold for essential water transportation for residents and commuters of our state. However, future researchers might wish to reference this list in terms of possibilities for providing water transportation in cases of major regional emergencies.

**Table 30. “Circular”/Recreational Water Transportation Operators in California**

Action Beach and Bay Rentals Inc. (water taxi)	(Website not found)
Anchor Yacht Charters Bay	<a href="http://aycharters.com/">http://aycharters.com/</a>
Adventure Cat Sailing Cruises	<a href="http://adventurecat.com/">http://adventurecat.com/</a>
Bella Monterey Bay	<a href="http://bellamontereybay.com/">http://bellamontereybay.com/</a>
Blue Water Hunter; Adult \$9; Child \$5	<a href="http://blueh20.com/index.html">http://blueh20.com/index.html</a>
Bleu Wave	<a href="http://tahoebleuwave.com/">http://tahoebleuwave.com/</a>
Captain Jack’s Tours & Events	<a href="http://captainjackstours.com/">http://captainjackstours.com/</a>
Catalina Classic Cruises Paradise Point Resort - Seaworld	<a href="http://catalinaclassiccruises.com/">http://catalinaclassiccruises.com/</a>
Celebration Cruises	<a href="http://celebrationsantabarbara.com/">http://celebrationsantabarbara.com/</a>
Commodore Cruises and Events	<a href="http://commodoreevents.com/">http://commodoreevents.com/</a>
Condor Express	<a href="http://condorexpress.com/">http://condorexpress.com/</a>
County of Santa Barbara Parks Division	<a href="http://countyofsb.org/parks/parks05.aspx?id=7564">http://countyofsb.org/parks/parks05.aspx?id=7564</a>
Crowley Maritime Corp.	<a href="http://crowley.com/">http://crowley.com/</a>
Cruise Newport Beach	<a href="http://cruisewportbeach.com/">http://cruisewportbeach.com/</a>
Cruise Orange	<a href="http://get2sea.com/">http://get2sea.com/</a>
Cruise with Pride	<a href="http://cruisingwithpride.com/">http://cruisingwithpride.com/</a>
D&G Marine Inc.	(Website not found)



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Dana Wharf Sport Fishing & Whale Watching	<a href="http://danawharf.com/contact.html">http://danawharf.com/contact.html</a>
Delta Discovery Cruises	<a href="http://deltadiscoverycruises.com/">http://deltadiscoverycruises.com/</a>
Electra Cruises	<a href="http://electracruises.com/">http://electracruises.com/</a>
Empress Events	<a href="http://empressevents.com/">http://empressevents.com/</a>
Hornblower Cruises and Events	(Website not found)
Island Navigation Company Inc.	(Website not found)
Monterey Bay Sailing	<a href="http://montereysailing.com/">http://montereysailing.com/</a>
Napa Valley Adventures	<a href="http://napariveradventures.com/">http://napariveradventures.com/</a>
Newport Beach Tours	<a href="http://newportbeachtours.net">http://newportbeachtours.net</a>
Newport Landing Whalewatch	<a href="http://newportwhales.com/">http://newportwhales.com/</a>
Next Level Sailing	<a href="http://nextlevelsailing.com/">http://nextlevelsailing.com/</a>
Princess Monterey Whale Watching	<a href="http://montereywhalewatching.com/">http://montereywhalewatching.com/</a>
Red and White Fleet	<a href="http://redandwhite.com/">http://redandwhite.com/</a>
Sacramento Tours	<a href="http://sacramentotours.net/">http://sacramentotours.net/</a>
Sacramento Yacht Charters LLC	(Website not found)
Sanctuary Cruises	<a href="http://sanctuarycruises.com/">http://sanctuarycruises.com/</a>
San Diego Yacht Charters	<a href="http://sdbaywatchcruises.com/">http://sdbaywatchcruises.com/</a>
Santa Barbara Sailing Center	<a href="http://sbsail.com/double_dolphin.html">http://sbsail.com/double_dolphin.html</a>
Sea Landing Dive Center	<a href="http://sealanding.net/">http://sealanding.net/</a>
SF Bay Adventures	<a href="http://sfbayadventures.com/">http://sfbayadventures.com/</a>
Star and Crescent Boat Company	(Website not found)
Stardust Sport Fishing	<a href="http://stardustsportfishing.com">http://stardustsportfishing.com</a>
Sunset Kidd Sailing Charters	<a href="http://sunsetkidd.com/">http://sunsetkidd.com/</a>
Tahoe Cruises	<a href="http://tahoecruises.com">http://tahoecruises.com</a>
Tahoe Gal	<a href="http://tahoegal.com/">http://tahoegal.com/</a>
The Gondola Company	<a href="http://gondolacompany.com/">http://gondolacompany.com/</a>
Truth Aquatics	<a href="http://truthaquatics.com/index.html">http://truthaquatics.com/index.html</a>
Two Harbors Enterprise Inc.	(Website not found)
Wave Walker Charters	<a href="http://wavewalker.com/">http://wavewalker.com/</a>
Zephyr Cove Resort Lake Tahoe Cruises	<a href="http://zephyrcove.com/cruises.aspx">http://zephyrcove.com/cruises.aspx</a>

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## ABOUT THE AUTHORS

### **RICHARD M. KOS, AICP**

Richard Kos is a certified urban planner and geographic information systems expert. After earning a BS degree in Environmental Planning and Design from Rutgers University, Mr. Kos put his skills into practice with local governments in New Jersey and North Carolina, serving as assistant or senior planner for a number of rapidly-growing communities. He earned his masters degree in Urban and Regional Planning from the University of North Carolina at Chapel Hill. In 2000, Mr. Kos served as a transportation planner and GIS analyst with the Metropolitan Transportation Commission in Oakland, California, where he produced numerous maps related to welfare-to-work and lifeline transportation projects. From there, Mr. Kos spent four years as GIS manager for DC&E, an innovative planning and design firm in Berkeley. In 2008, Mr. Kos decided to bring his skills into academia where he currently teaches graduate-level Geographic Information Systems and studio-based community improvement projects at San Jose State University. Mr. Kos also teaches short-term GIS workshops at City College of San Francisco and the California Academy of Art and offers his consulting services to a variety of clients including Mobility Planners, the City of Mountain View, and WorldLink.

### **MARIA-LOUISE JAVIER**

A native of the Bay Area, Ms. Javier earned her bachelors degree in Conservation Resource Studies from the University of California, Berkeley. Her research experiences focus on waste management and education. She has presented her work at two professional conferences and stood on a panel for sustainable college practices. After graduation, Ms. Javier volunteered in Tanzania, Africa, before working in the outdoor education field as a naturalist for two years. She is now working on her masters degree in Urban Planning from San Jose State University. In addition to her work with the Mineta Transportation Institute, Ms. Javier is currently an intern with the City of Fremont Environmental Services Division working on the city's municipal solid waste program. She aspires to work in the urban planning field before pursuing a professorship at the junior college level. Her passion is to plant seeds of thought and action into the next generation. Ms. Javier led the research effort in collecting and organizing the water transit operator data for this report.

### **BRENT CARVALHO**

A self-professed “mapaholic,” Mr. Carvalho is currently earning a masters degree in Urban and Regional Planning at San Jose State University with a focus on community design and development. His passion for mapping has its roots in an introductory GIS class taken with Mr. Kos, and he produced all of the maps for this report. Mr. Carvalho received his BA in Humanities with a minor in Human Sexuality Studies from San Francisco State University in 2005 and became a U.C.C.E. Certified Master Gardener for Santa Clara County in 2011. Understanding food systems and how they operate in our urban and rural landscapes has been his primary research interest.

**ASHA W. AGRAWAL, PHD**

Dr. Agrawal is the director of the MTI National Transportation Finance Center and also an associate professor and chair of Urban and Regional Planning at San José State University. Her research and teaching interests in transportation policy and planning include transportation finance, pedestrian and bicycle planning, and planning and transportation history. She holds a BA degree from Harvard University in Folklore and Mythology, an M.Sc. from the London School of Economics and Political Science in Urban and Regional Planning, and a Ph.D. from the University of California, Berkeley, in City and Regional Planning. For a complete listing of her publications, see <http://sjsu.edu/faculty/weinstein.agrawal/>.

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