

FIESTA ISLAND PARK PRECISE PLAN- TRAFFIC GENERATION & PARKING ANALYSIS FOR SUMMER WEEKEND AVERAGE CONDITION

Land Use	Units ^(a)	Trip Rate ^(b)	Daily Trips	Daily Person & Parking Calculations									
				Persons per Day	Persons per Acre per Day	Near Peak Design Total Persons for Area	Near Peak Design Total Persons per Acre	Turnover Rates per Day	Average Length of Stay	Parking Required	Parking per Acre	Parking Provided	
				Average Persons per Vehicle (c)									
EXISTING				2.25									
Undeveloped Park (semi-improved, fenced dog walking)	95.64 AC	12 / AC	1,148	2,583	27.01	646	6.75	4.00	1.00	287	3.00	300	
Natural Recreation Area (semi-improved / dog walking)	115.96 AC	2 / AC	232	522	4.50	261	2.25	2.00	1.50	116	1.00	150	
Sand Recreation Areas / (non-OLT time-semi-improved)	36.31 AC	4 / AC	145	326	8.99	82	2.25	4.00	0.50	36	1.00	50	
Shoreline Parkland (semi-improved)	95.00 AC	20 / AC	1,900	4,275	45.00	1,069	11.25	4.00	2.50	475	5.00	1,450	
Existing Aquatic Center (fully improved)	3.25 AC or 11.13 KSF	40 / KSF	445	1,001	308.08	501	154.04	2.00	3.00	223	68.46	100	
Existing Youth Campground (semi-improved)	34.12 AC or 27 CS	4 / CS	108	243	7.12	243	7.12	1.00	24.00	108	3.17	81	
Habitat Areas (unimproved)	51.01 AC	No vehicular trips generated by this land use											
Sand Disposal and Management Area (unimproved)	29.09 AC	1 / AC	29	65	2.24			4.00	0.50	7	0.25	0	
Roads	25.34 AC	No vehicular trips generated by this land use											
	485.72 AC		4,007	9,016	18.56	2,801	5.77			1,252	2.58	2,131	
										Actual Parking in Parking Lots (Remainder along Roadways)		181	
PROPOSED													
General Regional Parkland (fully improved)													
Regional Parkland Southeast	15.80 AC	40 / AC	632	1,422	89.98	474	89.98	3.00	1.00	211	13.33	215	
Swimming Beach Southeast Regional Park	1.26 AC or 1.100 KLF	200 / KLF	220	495	392.04	165	392.04	3.00	1.00	73	58.08	94	
Regional Parkland South Central	19.22 AC	40 / AC	769	1,730	90.04	577	90.04	3.00	1.00	256	13.34	266	
Regional Parkland Southwest	37.69 AC	20 / AC	754	1,697	45.01	566	45.01	3.00	1.00	251	6.67	352	
Semi-developed Park (semi-improved, fenced dog walking)	39.06 AC	20 / AC	781	1,757	44.99	293	44.99	6.00	1.00	130	3.33	148	
Natural Recreation Area (semi-improved with trails)	52.17 AC	12 / AC	626	1,409	27.00	704	27.00	2.00	1.00	313	6.00	311	
Sand Recreation Areas / (non-OLT time-semi-improved)	27.43 AC	4 / AC	110	248	9.02	62	9.02	4.00	1.00	28	1.00	50	
Shoreline Parkland (semi-improved)	79.26 AC	30 / AC	2,378	5,351	67.51	1,338	67.51	4.00	1.00	595	7.50	600	
Existing Aquatic Center (fully improved)	3.25 AC or 11.13 KSF	40 / KSF	445	1,001	308.08	501	308.08	2.00	1.00	223	68.46	100	
Existing Youth Campground (semi-improved)	21.20 AC or 27 CS	4 / CS	108	243	11.46	243	11.46	1.00	1.00	108	5.09	81	
New Primitive Camping (semi-improved)	13.50 AC or 50 CS	4 / CS	200	450	33.33	225	33.33	2.00	1.00	100	7.41	100	
Habitat Areas (unimproved)	111.93 AC	No vehicular trips generated by this land use											
Sand Disposal and Management Area (unimproved)	14.89 AC	1 / AC	15	34	2.27	17	2.27	2.00	1.00	8	0.50	10	
Swimming Beach (fully improved)	4.43 AC or 0.690 KLF	400 / KLF	276	621	140.18	155	140.18	4.00	1.00	69	15.58	70	
Roads	56.33 AC	No vehicular trips generated by this land use											
	497.43 AC		7,314	16,457	33.08	5,319				2,364		2,397	
										Actual Parking in Parking Lots (Remainder along Roadways)		1,497	
			Net New Trips (Proposed - Existing) 3,307								Surplus Parking for Near Peak Time (Proposed + Existing- Required)	33	
											Additional Parking Provided on Turf Fields for Special Events	250	

Note:

(a) AC = acre, KSF = 1,000 square feet, CS = campsite, KLF = 1,000 linear feet

(b) Trip rates referenced from the May 2003 *City of San Diego Trip Generation Manual*, Table 1 and on SANDAG's *Brief Guide of Vehicular Traffic Generation Rates for the San Diego Region*, April 2002.

(c) From the 1994 Mission Bay Park Master Plan