



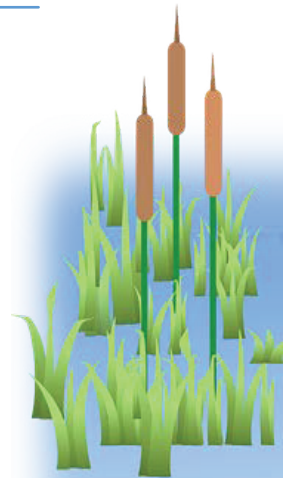
NTS Fact Sheet

General Information

	Total Site Area	Drainage Area	Portion of 76,000 acre Watershed	Inflow	Outflow
NTS Sites (27)	180.3 acres	15,275.2 acres	20%	346,600,000 gallons	278,200,000 gallons
San Joaquin Marsh	429 acres	63,536.4 acres	84%	879,200,000 gallons	476,800,000 gallons

Pollutant Removal

Pollutant		Total Load Reduction		Removal Efficiency	
		NTS Sites	San Joaquin Marsh	NTS Sites	San Joaquin Marsh
Nitrogen (TN)		7,475 lbs	33,000 lbs	67%	85%
Selenium (Se)		5.3 lbs	140	60%	79%
Orthophosphate (PO ⁴)		351.4 lbs	80.04	74%	100%
Copper (Cu)		8.3 lbs	36.4	71%	59%
Total Coliform		-	-	73%	99%
Trash		14,055 lbs	4,929 lbs	90%	75%
Sediment		3 tons	47.1 tons	50%	20%



San Joaquin Marsh

The San Joaquin Marsh, the first and largest of IRWD's Natural Treatment Systems (NTS) was established in 1997. The Marsh has a water residence time of approximately 21 days, and receives urban runoff from 84% of the San Diego Creek/Newport Bay Watershed.

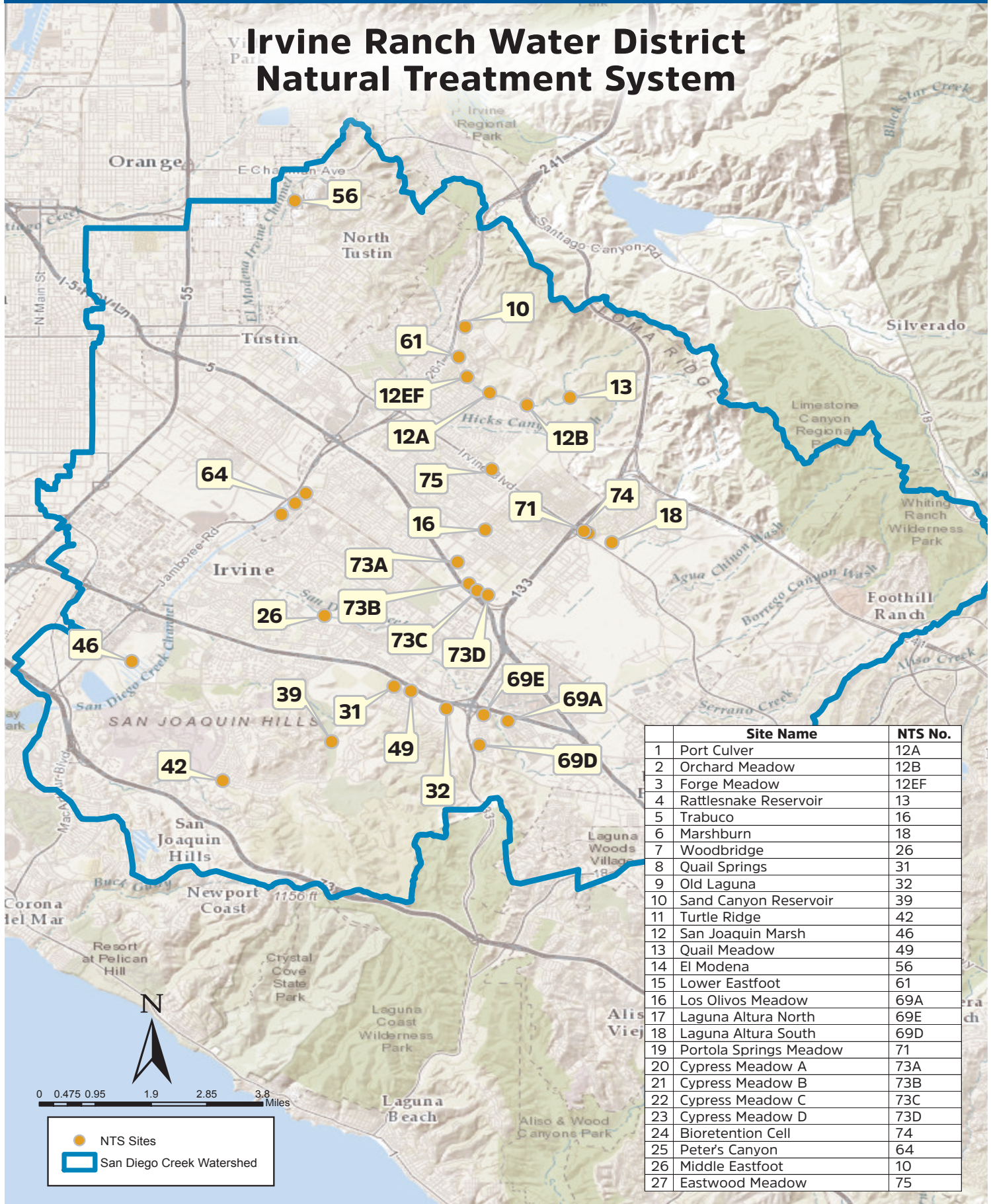
Marsh Facts

- 429 acres
- Treats on average over 1 billion gallons of water annually
- 12.3 miles of nature trails
- 121 plant species
- 282 birds species
- 7,500 people participated in dozens of educational programs carried out by 108 naturalists volunteering over 8,500 hours





Irvine Ranch Water District Natural Treatment System



	Site Name	NTS No.
1	Port Culver	12A
2	Orchard Meadow	12B
3	Forge Meadow	12EF
4	Rattlesnake Reservoir	13
5	Trabuco	16
6	Marshburn	18
7	Woodbridge	26
8	Quail Springs	31
9	Old Laguna	32
10	Sand Canyon Reservoir	39
11	Turtle Ridge	42
12	San Joaquin Marsh	46
13	Quail Meadow	49
14	El Modena	56
15	Lower Eastfoot	61
16	Los Olivos Meadow	69A
17	Laguna Altura North	69E
18	Laguna Altura South	69D
19	Portola Springs Meadow	71
20	Cypress Meadow A	73A
21	Cypress Meadow B	73B
22	Cypress Meadow C	73C
23	Cypress Meadow D	73D
24	Bioretention Cell	74
25	Peter's Canyon	64
26	Middle Eastfoot	10
27	Eastwood Meadow	75