



The Arroyo Seco Foundation and volunteers conducted a headcount on the Gabrielino Trail during Memorial Day Weekend, 2013. The goal of this headcount was to gain an understanding of the usage of this trail during a peak weekend. The information gained from this count will be used to influence the design of the Arroyo Seco Canyon Project, a water resources enhancement, habitat restoration, and recreation improvement project funded by the state integrated regional water management program and Pasadena Water and Power.

The successful implementation of the additional recreational amenities, that will be included as part of this project, requires knowledge of trail use. The Hahamongna Master Plan includes a 200 space parking lot for recreationists on the site of the former Jet Propulsion Laboratory (JPL) parking lot. The community input received during a public stakeholder meeting almost unanimously called for a reduction in total parking spaces dedicated for recreational use. The project proposal included a public restroom off the Gabrielino Trail in the canyon. This restroom will improve water quality of the Arroyo Seco by reducing human waste entering the stream. This restroom must be designed to accommodate the maximum use of the trail in order to meet design standards.

Headcount data was collected at the mouth of the Arroyo Seco Canyon between the JPL Bridge and the Millard Canyon confluence with the Arroyo Seco Stream. Headcounters were Jonathan Frame, Dorothy Wong, Barbara Ellis and Lin Cher. The exact counting location varied based on the counter's comfort. Only and all trail users that crossed the boundary of the JPL Bridge, heading north into the canyon, were counted. This does not include any users of the Gabrielino Trail south of the JPL Bridge, nor does it include users of Hahamongna Watershed Park south of the JPL Bridge. Trail users heading south, out of the canyon, were not counted.

ASF and volunteers conducted the count from 8:30AM-4:00PM on Sunday, May 26th, and from 6:15AM-4:00PM on Monday, May 27th. For the most part the count was broken into one hour intervals, with the exception of the earliest counts of each day.

Although the headcount did not take place over the entirety of the three day weekend, the sample size, of about 16.6 hours out of an estimated 36 hour weekend, should be enough to get a good idea of trail users on a peak weekend. With a count of 1231 representing about 46% of trail use time, it may be reasonable to assume that on a peak weekend well over 2000 trail users will enter the Arroyo Seco Canyon heading north on the Gabrielino Trail.

DATA

	Between times:		Hike	Bicycle	Equestrian	Dogs
5/26/2013	8:30 AM	9:00 AM	31	12	0	NA
5/26/2013	9:00 AM	10:00 AM	36	23	1	3
5/26/2013	10:00 AM	11:00 AM	78	14	2	14
5/26/2013	11:00 AM	12:00 PM	55	30	1	14
5/26/2013	12:00 PM	1:00 PM	36	13	1	2
5/26/2013	1:00 PM	2:00 PM	40	11	0	6
5/26/2013	2:00 PM	3:00 PM	60	7	0	6
5/26/2013	3:00 PM	4:00 PM	42	9	0	7
	Between times:		Hike	Bicycle	Equestrian	Dogs
5/27/2013	6:15 AM	7:30 AM	26	10	0	3
5/27/2013	8:05 AM	9:00 AM	42	16	0	10
5/27/2013	9:00 AM	10:00 AM	46	24	4	8
5/27/2013	10:00 AM	11:00 AM	91	34	1	24
5/27/2013	11:00 AM	12:00 PM	65	23	1	15
5/27/2013	12:00 PM	1:00 PM	81	22	0	14
5/27/2013	1:00 PM	2:00 PM	55	20	0	2
5/27/2013	2:00 PM	3:00 PM	90	20	1	5
5/27/2013	3:00 PM	4:00 PM	37	20	0	2

Table 1. This table shows the raw data of the headcount. Note the inconsistency of the first interval on 5/26/2013 and the first and second intervals on 5/27/2013

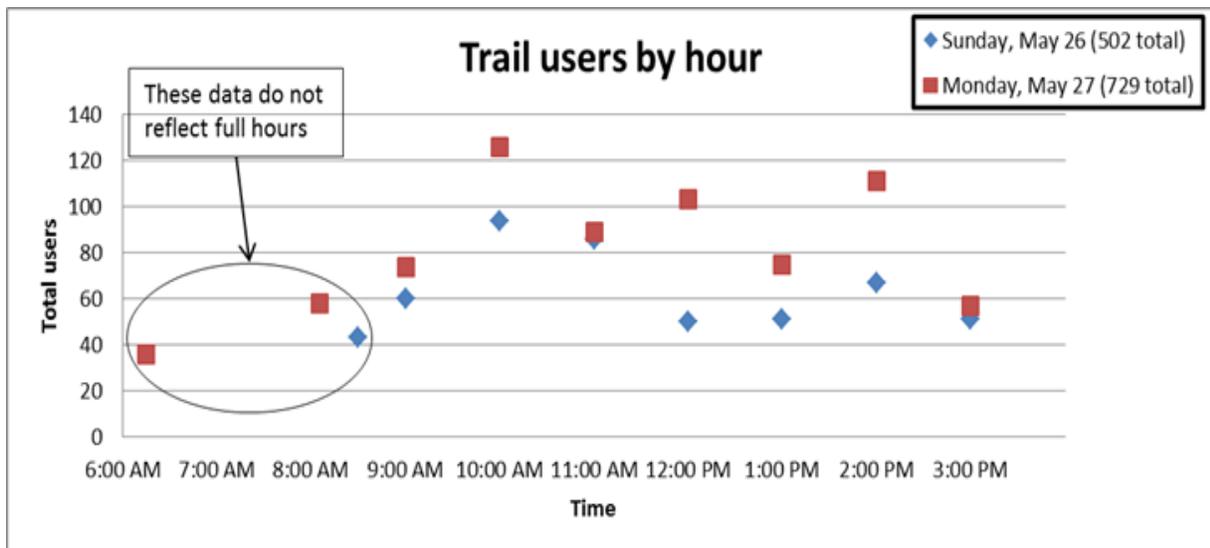


Figure 1. Graphical representation of the headcount throughout the days of 5/26 and 5/27. On both Sunday and Monday, the 10:00AM hour was the most popular.

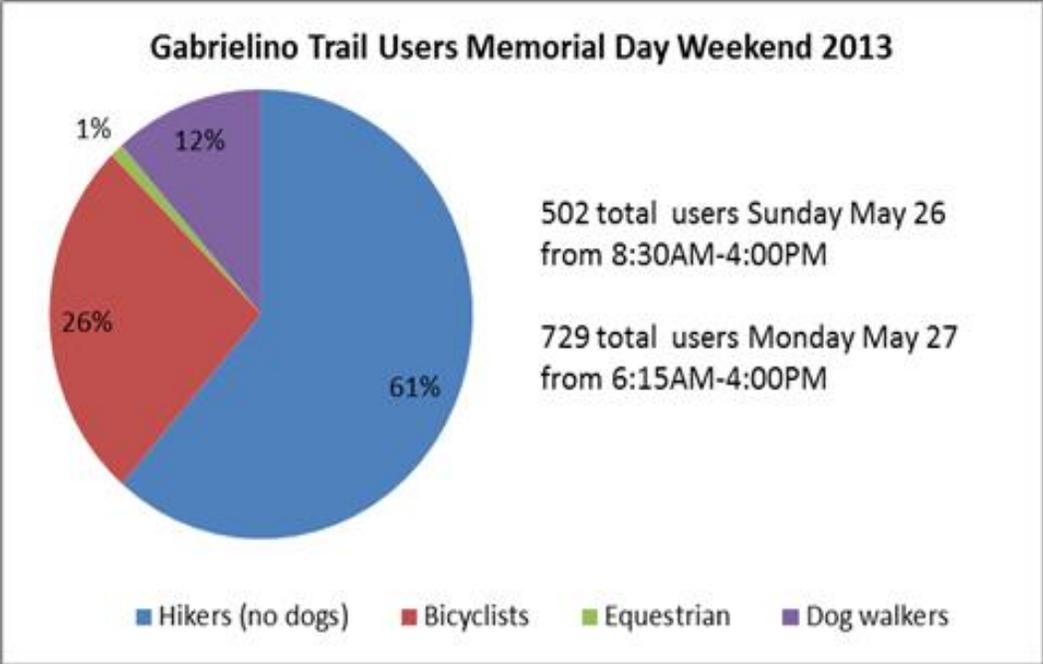


Figure 2. Pie chart of total trail users counted during these sample times. Given an estimated trail use of between 6AM-6PM each day of the 3 day Memorial Day Weekend, this sample represents about 46% of trail use time.