





# Memorandum

DATE: January 27, 2021

MEMO TO: Board of Directors

THROUGH: Ana Ruiz, General Manager 

FROM: Matt Anderson, Chief Ranger 

SUBJECT: Summary of Visitor Counter Data and the COVID Pandemic

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## SUMMARY

This report summarizes the data collected from vehicle and pedestrian counters that have been in place on Midpeninsula Regional Open Space District (District) preserves since January 2017 and focuses on changes due to the COVID pandemic and other recent events (e.g., closures due to wildfires) that impacted District visitation. Visitation during COVID restrictions when compared to previous years increased 88% overall, nearly doubling the number of visitors.

## DISCUSSION

### Background

As a result of previous initiatives and projects, staff have been collecting data about District visitation since January of 2017 at seven locations. This historical data is useful to compare previous years' visitation trends to visitation trends in 2020, which has been impacted by the COVID pandemic, as well as unusual wildfire and weather events.

Five vehicle counters are included in this discussion. The vehicle counters capture the number of *vehicles* detected by the counter and not the number of *people* in those vehicles; the numbers in this report for these counters are vehicle count only. The vehicle counters are located at:

1. El Corte de Madera Parking Lot
2. Monte Bello Main Parking Lot
3. Mount Umunhum Road at Gate SA39
4. Windy Hill Lower Parking Lot
5. Rancho San Antonio Main Entrance

Two pedestrian counters are included in this report. These numbers reflect the number of people on trails detected by the counters. The pedestrian counters are located at:

1. Fremont Older, near Cora Older Trail
2. St. Joseph's Hill, Jones Trail

## **Counter Limitations and Correction Methodology**

The counters collect data constantly and aggregate it on a daily basis. Both the vehicle and pedestrian counters can be finicky and experience errors or malfunctions that result in very low (or null) counts, or in some cases, extremely high counts. Reasons for these anomalous counts can include vandalism, theft, insects, dead batteries, collection errors, random counter malfunctions, high winds, groups traveling very close together, and many other possible occurrences. To address these counter errors, a series of correction methodologies have been put into practice. See Attachment 1 for an explanation of these methodologies.

## **Discussion of Trends**

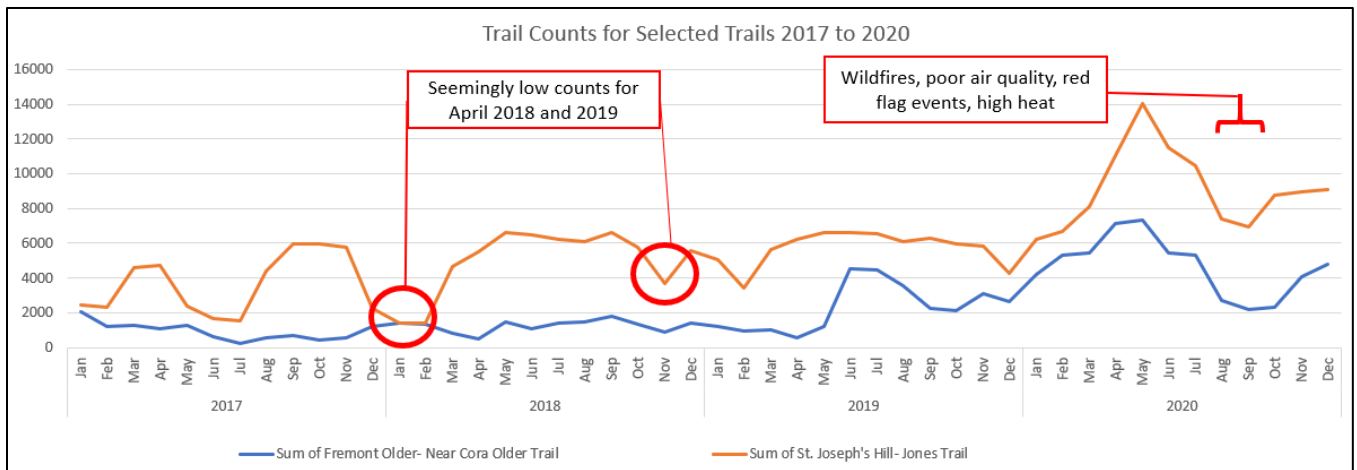
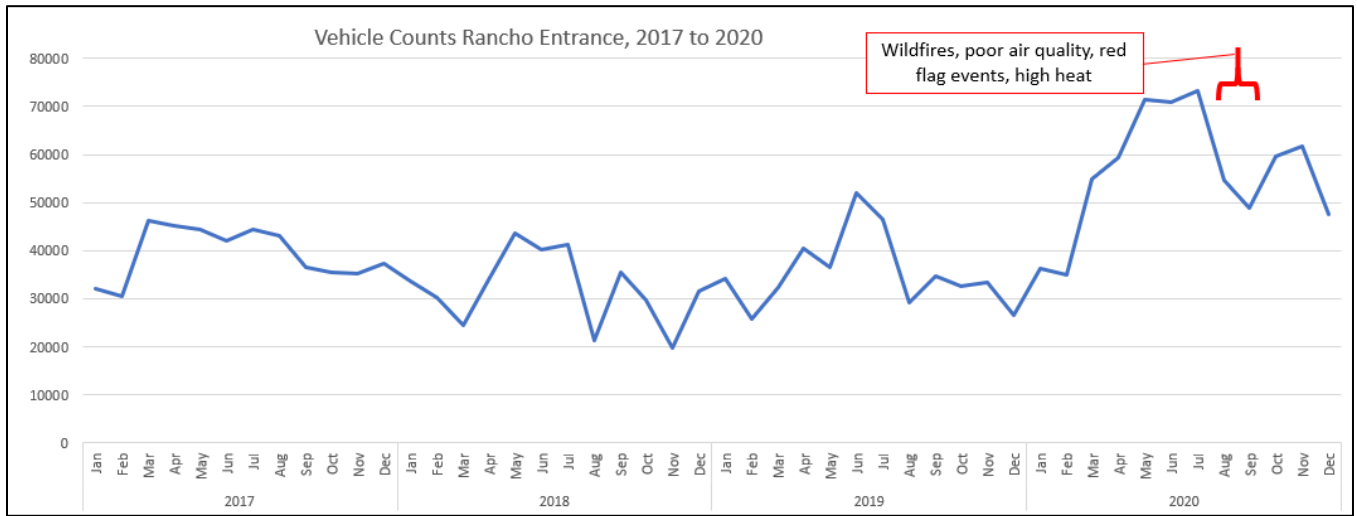
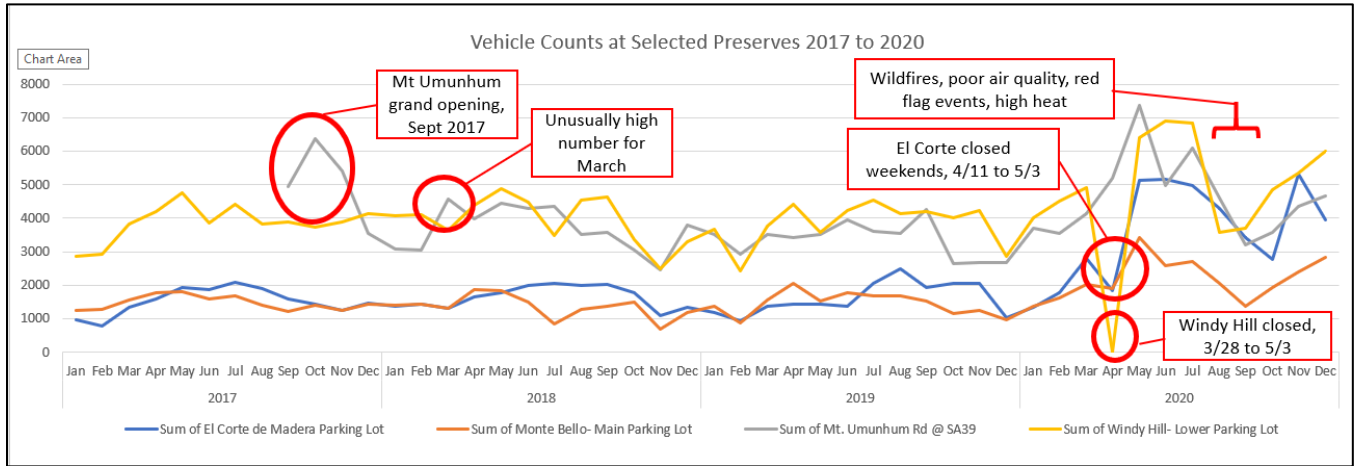
Shelter-in-place for the Bay Area in response to the COVID pandemic was enacted on March 16, 2020 and restrictive public health orders remain in effect. Preserve visitation during the COVID pandemic was at unprecedented levels. For the months March through December, vehicle and pedestrian counters measured an 88% overall increase over the average of previous years. However, closures at some preserves due to the pandemic (Windy Hill from 3/28/2020 to 5/3/2020 and weekend closures for all San Mateo County preserves from 4/11/2020 to 5/3/2020, which includes El Corte de Madera) tempered the overall increased visitation. Other factors that may have limited visitation increases include temporary parking lot closures, roadside parking prohibitions, maximized parking capacity, and the prohibition of bicycles and equestrians in the preserves during the first part of the pandemic.

The preserves that were not closed during the onset of the pandemic experienced record-breaking visitation numbers compared to previous years. While the COVID pandemic obviously increased visitation across the preserves, it should be noted that the year was already demonstrating an increase in usage *prior to COVID*, with an average increase of 20% for vehicle counters and an average increase of 63% for pedestrian counters in January and February of 2020. However, winter visitation tends to be the most variable due to weather. Average increases during the onset of the pandemic (March, April, May, June, July 2020) are at 59% for the vehicle counters and 130% for the pedestrian counters.

Impacts of the wildfires, red flag events, poor air quality, and high heat occurring in mid-August through mid-September slowed the increases in visitation due to COVID. In some cases, visitation decreased compared to previous years. Visitation was reduced especially for preserves directly affected by closures due the August CZU Lightning Fire (Monte Bello, Windy Hill, and El Corte de Madera were closed for intermittent periods of time during these months). Rancho San Antonio Preserve was not threatened or closed due to fires but did register a low point of COVID visitation in September likely due to unhealthy air from drift smoke that was still only just below a previously recorded monthly peak of visitation in June 2019.

After the fires and red flag/weather events in August and September 2020, all but one of the counters registered steady increases to levels not seen previously in October, November, or December. The average percent change for October, November, and December 2020 is 87% for vehicle counters and 87% for pedestrian counters, demonstrating a continuation of increased visitation.

The following charts demonstrate the visitation patterns over time, with significant events called out.



## **Parking Capacities and Constraints**

The increased visitation highlighted new and existing parking constraints at several District preserves. Available parking includes designated parking in preserve parking lots and roadside parking under jurisdiction of the state, counties, or municipalities. When preserve parking is at capacity, users turn to roadside parking; when roadside parking reaches capacity, illegal parking increases. Several preserves or trail heads (Bear Creek, El Sereno, Ravenswood, and parts of Rancho San Antonio and Sierra Azul Open Space Preserves) have no legal off-street parking due to local parking restrictions. Illegal parking causes unsafe traffic congestion, impacts neighborhoods, and puts an additional burden on law enforcement resources, including District rangers.

Based on internal records and field accounting, we have 41 parking lots or areas (including permit and special event areas) on District property. Surfaces range from paved to gravel to dirt. Parking lots vary in capacity from 3 vehicles to 88 vehicle parking spaces (includes Rancho San Antonio County Parks lots). Total number of standard spaces is 1,068 (312 of which are in Rancho) and 55 ADA spaces. We have 7 areas with designated equestrian parking for 37 horse trailers. See Attachment 2 for more information on the District's parking areas.

Estimated legal parking along adjacent roadsides (within 100 yards) and parking lots not on District land equals an additional 622 spaces. The majority exist adjacent to Skyline area preserves along Hwy 35, and the Foothills area preserves of Rancho San Antonio, Fremont Older, Pulgas Ridge, Sierra Azul, and Saint Joseph's Hill. See Attachment 2 for more information on District parking areas. Early in the pandemic, District worked with local jurisdictions to limit parking temporarily in order to manage visitation. However, as the science has evolved, outdoor recreation has been recognized as one of the safest ways to get out of your house, resulting in the lifting of the temporary restrictions. In many locations, roadside parking provides sufficient overflow parking, but adjacent jurisdictions have increasingly limited roadside parking near preserves. Parking restrictions were instituted in previous years near Rancho San Antonio Preserve in Cupertino and Los Altos. In 2020, the city of Saratoga restricted parking on roads near Fremont Older. Currently, the District is working with the County of San Mateo to designate no parking zones on Purisima Creek Road next to Purisima Creek Preserve, and Los Gatos is evaluating a neighbor request to restrict parking adjacent to the Kennedy trailhead in Sierra Azul Preserve.

To ensure that visitors parked safely, and respected parking limitations, rangers enforced parking restrictions. From March 2020 to December 2020, rangers averaged 132 tickets a month compared to 54 a month over the previous three years. The majority of these were for after-hours violations, which increased by 65% from the previous three years. The preserves with the highest frequency in 2020 of after-hours parking citations were: 1) Rancho San Antonio, 2) Mount Umunhum, and 3) Russian Ridge in that order. The second most common violation in 2020 was illegal parking in posted No Parking zones along adjacent roadside areas or neighborhoods, which increased by 1038% in 2020 compared to averages for 2017 to 2019. Purisima Creek Redwoods by far had the most No Parking roadway violations in 2020, followed by El Corte de Madera and Mt. Umunhum coming in a distant second and third.

**Data**

Below is a chart that shows the 2020 percent change from previous years for vehicle counts:

| <b>2020 Percent Change from Average of Previous Years (2017–2019) for Vehicle Counts</b> |                                       |                                     |   |                                     |   |   |
|--|---------------------------------------|-------------------------------------|---|-------------------------------------|---|---|
|  | <b>El Corte de Madera Parking Lot</b> | <b>Monte Bello Main Parking Lot</b> | <b>Mount Umunhum Road at Gate SA39*</b> | <b>Windy Hill Lower Parking Lot</b> | <b>Rancho San Antonio Main Entrance</b> | <b>Notes</b>  |
| <b>Jan</b>   | 16%                                   | 2%                                  | 12%                                     | 13%                                 | 9%                                      |   |
| <b>Feb</b>   | 69%                                   | 35%                                 | 19%                                     | 43%                                 | 21%                                     | Rancho San Antonio closed 2/16 to 2/21/2020 because of mountain lion incident.            |
| <b>Mar</b>   | 109%                                  | 36%                                 | 2%                                      | 15%                                 | 60%                                     | Windy Hill closed 3/28 to 5/3/2020.   |
| <b>Apr</b>   | 17%                                   | 4%                                  | 40%                                     | -100%                               | 49%                                     | Windy Hill closed 3/28 to 5/3/2020. El Corte de Madera closed weekends 4/11 and 5/3/2020. |
| <b>May</b>   | 198%                                  | 97%                                 | 84%                                     | 46%                                 | 72%                                     | Windy Hill closed 3/28 to 5/3/2020. El Corte de Madera closed weekends 4/11 and 5/3/2020. |
| <b>Jun</b>   | 195%                                  | 59%                                 | 21%                                     | 65%                                 | 58%                                     |   |
| <b>Jul</b>   | 139%                                  | 89%                                 | 53%                                     | 65%                                 | 66%                                     |   |
| <b>Aug</b>   | 58%                                   | -6%                                 | 30%                                     | -14%                                | 75%                                     | Wildfire closures and poor air quality/heat.  |
| <b>Sep</b>   | 85%                                   | 0%                                  | -25%                                    | -13%                                | 37%                                     | Poor air quality/heat.  |
| <b>Oct</b>   | 59%                                   | 43%                                 | -11%                                    | 32%                                 | 83%                                     |   |
| <b>Nov</b>   | 261%                                  | 128%                                | 24%                                     | 51%                                 | 106%                                    |   |
| <b>Dec</b>   | 209%                                  | 137%                                | 43%                                     | 75%                                 | 96%                                     |   |

*\*Note that data for this counter begins on September 16, 2017, when Mount Umunhum opened to the public. No data is included for the period of January 2017 through mid-September 2017.*

Below is a chart that shows the 2020 percent change from previous years for pedestrian counts:

| <b>2020 %-Change from Average of Previous Years (2017–2019) for Pedestrian Counts</b> |   |                                       |  |
|---|---|---------------------------------------|--|
|   | <b>Fremont Older, Near Cora Older Trail</b> | <b>St. Joseph's Hill, Jones Trail</b> | <b>Notes</b>   |
| <b>Jan</b>  | 23%   | 49%                                   |  |
| <b>Feb</b>  | 92%   | 98%                                   |  |
| <b>Mar</b>  | 315%  | 59%                                   |  |
| <b>Apr</b>  | 1125%                                       | 84%                                   | For Fremont Older, April 2018 and 2019 seem to have very low counts resulting in a percent change being excessively high, but we were not able to correlate those anomalies to any event, so they stand. |
| <b>May</b>  | 294%  | 121%                                  |  |
| <b>Jun</b>  | 149%  | 63%                                   |  |
| <b>Jul</b>  | 165%  | 65%                                   |  |
| <b>Aug</b>  | 84%   | 18%                                   |  |
| <b>Sep</b>  | 63%   | 11%                                   |  |
| <b>Oct</b>  | 154%  | 42%                                   |  |
| <b>Nov</b>  | 190%  | 76%                                   |  |
| <b>Dec</b>  | 134%  | 83%                                   |  |

The monthly and yearly data for each individual counter is contained in Attachment 3.

A few notable instances affecting the data are addressed below:

- In March 2018, there was a significant increase in the number of vehicles visiting Mount Umunhum compared to the previous and subsequent years. The cause of this is likely due to it being the first spring month that Mount Umunhum was open, along with two news stories featuring the mountain top covered in snow. The unusually large number of visitors in March 2018 significantly lowers the percent change for March 2020.
- The grand opening of Mount Umunhum in September 2017 resulted in unusually high numbers for the months of September and October 2017, which lowers the percent change for September and October of 2020.
- At Fremont Older, there were extremely low counts for the months of April 2018 and 2019. The reason for this is not known. It is likely attributed to poor counter performance; staff is unaware of other events that would have caused a visitation drop. The counts are low, but not low enough to be overwritten using the correction methodology discussed in Attachment 1, so those counts are reported as recorded. However, they result in a substantially high percent change for March 2020.
- Vehicles that entered a full parking lot, circled without finding parking, and then left are included in the vehicle counts. This consideration is most significant for Rancho San Antonio.

### **Conclusions**

During the pandemic, parks and open spaces have been recognized as crucial outlets for mental and physical health. With basic precautions such as masking and social distancing, visiting open space is safe and essential. The need for this resource is illustrated in the increase in visitation even while initial actions by public health officials and the District, including preserve closures, travel restrictions, parking restrictions, and bike and horse prohibitions, were designed to manage access. Visitation trends for locations that have had vehicle or pedestrian counters installed since January 2017 indicate a significant increase due to the COVID pandemic. After the pandemic began, there were some decreased counts based on preserve closures, wildfires, and weather events that temporarily reduced visitation in certain preserves in March, April, May, August, and September. After September 2020, visitation numbers continued at higher levels than seen in previous years. It is impossible to tell if an increase in visitation will persist after COVID restrictions are lifted and the options for leisure activities are expanded. Mostly likely, there will be a significant return to “normal,” but visitation may remain higher than the previous years’ baseline through increased awareness of District preserves, thereby establishing a “new normal” of higher use in years to come. Predictably, parking-related issues and parking capacity will become more of a problem as visitation levels continue to rise.

### **Attachments**

Attachment 1 - Correction Methodologies

Attachment 2 - Parking Areas

Attachment 3 - Individual Counter Data by Month and Year

## **Attachment 1 - Correction Methodologies**

The following correction methodologies have been implemented into the raw counter data:

### **Correcting Data for Cell Containing >2/day:**

1. If data is missing for individual cells or less than 10 consecutive cells, then the function looks to the previous same weekday entry and subsequent same weekday entry, and averages the two (i.e., if Tuesday, Feb 15 is missing, the function looks to Tuesday Feb 8 and Tuesday Feb 23, averages those values, and enters that average into the cell). If the previous and/or subsequent Tuesdays are also missing, the function keeps looking up and/or down for the next Tuesday cell with a value in it and uses that for the average.
2. If data is missing for 10 or more consecutive cells, the function looks at all weekday and weekend values for that month for all years. It then calculates an average weekday or average weekend value and inserts that average based on whether the missing data is on a weekday or weekend.
3. During known preserve closures, the corrected data function is manually overwritten and the counts for days closed are zeroed out.

### **Data Not Corrected**

1. When only a section of a preserve is closed, no corrections are made.
2. When counts are low, but not >2/day, no corrections are made.

## ATTACHMENT 2

| Preserve Name                   | Name of Parking Location   | Type       | Owner                  | Responsible Party                | Surface                | # of Standard Spaces            | # of ADA Spaces | # of Eq. Spaces  |
|---------------------------------|--|------------|------------------------|----------------------------------|------------------------|---------------------------------|-----------------|--|
| <b>Bear Creek Redwoods</b>      |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | Bear Creek Redwoods Main Parking Area at Upper Lake              | Lot        | MROSD                  | MROSD                            | Asphalt                | 50                              | 3               | 0  |
|                                 | Bear Creek Redwoods Permit Lot at Bear Creek Stables A           | Equestrian | MROSD                  | MROSD                            | Gravel / Rocked        | 0                               | 0               | 1  |
|                                 | Bear Creek Redwoods Permit Lot at Bear Creek Stables B           | Equestrian | MROSD                  | MROSD                            | Gravel / Rocked        | 0                               | 0               | 1  |
|                                 | Bear Creek Road  | Roadside   | Santa Clara County     | Santa Clara County               | Gravel / Rocked        | 0                               | 0               | 0  |
| <b>El Corte De Madera Creek</b> |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | El Corte de Madera Main Parking Area                             | Lot        | MROSD                  | MROSD                            | Asphalt                | 62                              | 3               | 4  |
|                                 | Skeggs Vista Point   | Lot        | State                  | Cal Trans                        | Asphalt                | 30                              | 1               | 0  |
|                                 | El Corte de Madera Roadside at Methuselah Trail (CM02)           | Roadside   | State                  | Cal Trans                        | Gravel / Rocked        | 35                              | 0               | 0  |
|                                 | El Corte de Madera Roadside at CM03                              | Roadside   | State                  | Cal Trans                        | Dirt / Native          | 25                              | 0               | 0  |
|                                 | El Corte de Madera Star Hill Roadside (CM08)                     | Roadside   | San Mateo County       | San Mateo County                 | Dirt / Native          | 6                               | 0               | 0  |
| <b>El Sereno</b>                |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | El Sereno Roadside Monte Vina                                    | Roadside   | County of Santa Clara  | County Roads                     | Gravel / Rocked        | 2                               | 0               | 0  |
|                                 | El Sereno Permit Lot at Overlook Drive                           | Lot        | MROSD                  | MROSD                            | Gravel / Rocked        | 6                               | 0               | 0  |
|                                 | Overlook Road  | Roadside   | Roads Association      | Roads Association                | Paved                  | 0                               | 0               | 0  |
|                                 | Sheldon Road   | Roadside   | Roads Association      | Roads Association                | Paved                  | 0                               | 0               | 0  |
|                                 | Bohman Road  | Roadside   | Santa Clara County     | Santa Clara County               | Paved                  | 0                               | 0               | 0  |
| <b>Foothills</b>                |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | Foothills Roadside   | Roadside   | Palo Alto              | Palo Alto                        | Gravel / Rocked        | 2                               | 0               | 0  |
| <b>Fremont Older</b>            |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | Fremont Older Parking Area                                       | Lot        | MROSD                  | MROSD                            | Gravel / Rocked        | 20                              | 1               | 0  |
|                                 | Prospect Road  | Roadside   | City of Saratoga       | City of Saratoga                 | Dirt / Native          | 30                              | 0               | 0  |
|                                 | Fremont Older Roadside at FO03                                   | Roadside   | MROSD                  | MROSD                            | Gravel / Rocked        | 2                               | 0               | 0  |
| <b>La Honda Creek</b>           |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | La Honda Creek at Allen Road Permit Parking                      | Lot        | MROSD                  | MROSD                            | Gravel / Rocked/ paved | 10                              | 1               | 0  |
|                                 | La Honda Creek at Driscoll Event Center Equestrian Permit Lot    | Equestrian | MROSD                  | MROSD                            | Gravel / Rocked        | Plan to add 5 per day by permit | 0               | 2/4- 4 spaces but 2 can be assigned to passenger vehicle parking |
|                                 | La Honda Creek Main Parking Area at Sears Ranch                  | Lot        | MROSD                  | MROSD                            | Paved                  | 21                              | 1               | 0  |
|                                 | La Honda Creek Staff Parking Area at CAO                         | Lot        | MROSD                  | MROSD                            | Gravel / Rocked        | 5                               | 0               | 0  |
| <b>Long Ridge</b>               |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | Long Ridge Grizzly Flat  | Roadside   | State                  | Cal Trans                        | Dirt / Native          | 20                              | 0               | 0  |
|                                 | Long Ridge LR10 "Bar Y"  | Roadside   | State                  | Cal Trans                        | Dirt / Native          | 8                               | 0               | 0  |
|                                 | Long Ridge Roadside at LR01                                      | Roadside   | State                  | Cal Trans                        | Dirt / Native          | 18                              | 0               | 0  |
|                                 | Long Ridge Roadside at LR13                                      | Roadside   | State                  | Cal Trans/State Parks            | Dirt / Native          | 5                               | 0               | 0  |
|                                 | Long Ridge Private Roadside at Portola Heights-Eagle Rock access | Roadside   | MROSD                  | MROSD                            | Dirt / Native          | 3                               | 0               | 0  |
| <b>Los Trancos</b>              |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | Los Trancos Parking Area   | Lot        | MROSD                  | MROSD                            | Gravel / Rocked        | 23                              | 1               | 0  |
|                                 | Los Trancos Roadside (LT01)                                      | Roadside   | Palo Alto              | Palo Alto                        | Dirt / Native          | 6                               | 0               | 0  |
| <b>Monte Bello</b>              |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | Monte Bello Main Parking Area                                    | Lot        | MROSD                  | MROSD                            | Gravel / Rocked        | 51                              | 2               | 0  |
|                                 | Monte Bello Roadside MB03  | Roadside   | San Mateo County       | San Mateo County                 | Dirt / Native          | 12                              | 0               | 0  |
|                                 | Monte Bello Permit Parking at MB08                               | Lot        | MROSD                  | MROSD                            | Dirt / Native          | 12                              | 0               | 0  |
|                                 | Monte Bello Special Event Parking at MB04                        | Equestrian | MROSD                  | MROSD                            | mowed grass            | 40                              | 0               | 15   |
| <b>Purisima Creek Redwoods</b>  |  |            |                        |                                  |                        |                                 |                 |  |
|                                 | Purisima Creek Redwoods Main Parking Area                        | Lot        | MROSD                  | MROSD                            | Gravel / Rocked        | 30                              | 1               | 0  |
|                                 | Purisima Creek Redwoods Small Parking Area-Redwood Trail         | Roadside   | Cal Trans / ADA- MROSD | Cal Trans/ ADA parking are MROSD | Dirt / Native          | 11                              | 2               | 0  |
|                                 | Purisima Creek Redwoods Higgins Canyon Parking Area              | Lot        | MROSD                  | MROSD                            | Gravel / Rocked        | 7                               | 1               | 0  |



ATTACHMENT 2

| Preserve Name                          | Name of Parking Location                                     | Type       | Owner                    | Responsible Party     | Surface         | # of Standard Spaces | # of ADA Spaces | # of Eq. Spaces |
|--|--|------------|--------------------------|-----------------------|-----------------|----------------------|-----------------|-----------------|
|  | Purissima Creek Redwoods Higgins Canyon Overflow Lot         | Lot        | MROSD                    | MROSD                 | Dirt / Native   | 8                    | 0               | 0               |
|  | Purissima Creek Redwoods- Purissima Creek Road               | Roadside   | San Mateo County         | San Mateo County      | Dirt / Native   | 40                   | 0               | 0               |
| <b>Picchetti Ranch</b>                 |  |            |                          |                       |                 |                      |                 |                 |
|  | Picchetti Ranch Main Parking Area                            | Lot        | MROSD                    | MROSD                 | Gravel / Rocked | 80                   | 2               | 0               |
|  | Monte Bello Road   | Roadside   | Santa Clara County       | Santa Clara County    | Paved           | 0                    | 0               | 0               |
|  | Picchetti Ranch Roadside - Stevens Canyon Rd.                | Roadside   | Santa Clara County       | Santa Clara County    | Gravel / Rocked | 6                    | 0               | 0               |
| <b>Pulgas Ridge</b>                    |  |            |                          |                       |                 |                      |                 |                 |
|  | Pulgas Ridge Main Parking Area                               | Lot        | MROSD                    | MROSD                 | Gravel / Rocked | 23                   | 2               | 0               |
|  | Edmonds Drive  | Roadside   | County of San Mateo      | County of San Mateo   | Paved           | 50                   | 0               | 0               |
| <b>Russian Ridge</b>                   |  |            |                          |                       |                 |                      |                 |                 |
|  | Russian Ridge Main Parking Area                              | Lot        | MROSD                    | MROSD                 | Gravel / Rocked | 35                   | 2               | 0               |
|  | Russian Ridge Roadside- Ancient Oaks Trail                   | Roadside   | MROSD                    | San Mateo County      | Gravel / Rocked | 6                    | 0               | 0               |
|  | Russian Ridge Parking Area at Mindego Gateway                | Lot        | MROSD                    | MROSD                 | Asphalt         | 18                   | 2               | 0               |
|  | Silicon Valley Vista Point aka Clouds Rest                   | Lot        | State                    | Cal Trans             | paved           | 12                   | 1               |                 |
|  | RR01   | Roadside   | State                    | Cal Trans             | Dirt / Native   | 10                   | 0               | 0               |
| <b>Rancho San Antonio</b>              |  |            |                          |                       |                 |                      |                 |                 |
|  | Rancho San Antonio OSP Lot on Rhus Ridge Road                | Lot        | MROSD                    | MROSD                 | Gravel / Rocked | 8                    | 1               |                 |
|  | Rhus Ridge Rd  | Roadside   | Roads Association        | Roads Association     | Paved           | 0                    | 0               | 0               |
|  | Rancho San Antonio County Park Lower Equestrian Lot          | Equestrian | Santa Clara County Parks | MROSD                 | Gravel / Rocked | 0                    | 0               | 2               |
|  | Rancho San Antonio County Park Lower Lot                     | Lot        | Santa Clara County Parks | MROSD                 | Asphalt         | 80                   | 4               | 0               |
|  | Rancho San Antonio County Park Main Parking Lot              | Lot        | Santa Clara County Parks | MROSD                 | Asphalt         | 83                   | 5               |                 |
|  | Rancho San Antonio County Park Middle Upper Lot              | Lot        | Santa Clara County Parks | MROSD                 | Asphalt         | 22                   | 2               | 0               |
|  | Rancho San Antonio County Park Northern Upper Lot            | Lot        | Santa Clara County Parks | MROSD                 | Concrete        | 49                   | 0               | 0               |
|  | Rancho San Antonio County Park Parking Lot 5                 | Lot        | Santa Clara County Parks | MROSD                 | Asphalt         | 30                   | 0               |                 |
|  | Rancho San Antonio County Park Southern Upper Lot            | Lot        | Santa Clara County Parks | MROSD                 | Asphalt         | 48                   | 1               | 0               |
|  | Cristo Rey Drive   | Roadside   | City of Los Altos        | City of Los Altos     | Paved           | 50                   | 0               | 0               |
|  | St. Joesphs Ave  | Roadside   | City of Los Altos        | City of Los Altos     | Paved           | 0                    | 0               | 0               |
|  | Canyon Oaks Way Neighbor Hood                                | Roadside   | City of Los Altos        | City of Los Altos     | Paved           | 0                    | 0               | 0               |
|  | Mora   | Roadside   | City of Los Altos        | City of Los Altos     | Gravel / Rocked | 5                    | 0               | 0               |
|  | Ravensbury   | Roadside   | City of Los Altos        | City of Los Altos     | Paved           | 0                    | 0               | 0               |
|  | Olive Tree   | Roadside   | City of Los Altos        | City of Los Altos     | Paved           | 0                    | 0               | 0               |
|  | Stonebrook Dr.   | Roadside   | Los Altos Hills          | Los Altos Hills       | Paved           | 2                    | 0               | 0               |
| <b>Ravenswood</b>                      |  |            |                          |                       |                 |                      |                 |                 |
|  | Ravenswood   | Lot        | MROSD                    | MROSD                 | Paved           | 12                   | 1               | 0               |
|  | Cooley Landing   | Lot        | East Palo Alto           | East Palo Alto        | Paved           | 28                   | 2               | 0               |
|  | Bay Road   | Roadside   | East Palo Alto           | East Palo Alto        | Paved           | 0                    | 0               | 0               |
| <b>Sierra Azul</b>                     |  |            |                          |                       |                 |                      |                 |                 |
|  | Sierra Azul Parking Area at Mount Umunhum Summit Area        | Lot        | MROSD                    | MROSD                 | Asphalt         | 54                   | 3               | 0               |
|  | Sierra Azul Accessible-only Lot at Mount Umunhum Summit Area | Accessible | MROSD                    | MROSD                 | Asphalt         | 0                    | 3               | 0               |
|  | Hicks Road   | Roadside   | Santa Clara County       | Santa Clara County    | Gravel / Rocked | 5                    | 0               | 0               |
|  | Kennedy  | Lot        | MROSD                    | MROSD                 | Gravel / Rocked | 3                    | 0               | 0               |
|  | Top Of The Hill  | Roadside   | Town of Los Gatos        | Town of Los Gatos     | Paved           | 30                   | 0               | 0               |
|  | Black Berry Hill   | Roadside   | Town of Los Gatos        | Town of Los Gatos     | Paved           | 0                    | 0               | 0               |
|  | Sierra Azul Parking Lot at Jacques Ridge                     | Lot        | MROSD                    | MROSD                 | Gravel / Rocked | 11                   | 1               | 0               |
|  | Sierra Azul Parking Lot at Bald Mountain                     | Lot        | MROSD                    | MROSD                 | Asphalt         | 23                   | 1               | 0               |
|  | Sierra Azul Roadside at Bald Mountain                        | Roadside   | MROSD                    | MROSD                 | Gravel / Rocked | 4                    | 0               | 0               |
|  | Alma Bridge Road   | Roadside   | Santa Clara County       | Santa Clara County    | Paved / Gravel  | 30                   | 0               | 0               |
| <b>Skyline Ridge</b>                   |  |            |                          |                       |                 |                      |                 |                 |
|  | Skyline Ridge Main Parking Area                              | Lot        | MROSD                    | MROSD                 | Gravel / Rocked | 27                   | 2               | 0               |
|  | Skyline Ridge Accessible-only Parking                        | Accessible | MROSD                    | MROSD                 | Gravel / Rocked | 0                    | 5               | 0               |
|  | Skyline Ridge Equestrian Parking                             | Equestrian | MROSD                    | MROSD                 | Gravel / Rocked | 25                   | 0               | 10              |
|  | Skyline Ridge Staff and Special Event Parking at SFO         | Lot        | MROSD                    | MROSD                 | Gravel / Rocked | 40                   | 1               | 0               |
| <b>Stevens Creek Nature Study Area</b> |  |            |                          |                       |                 |                      |                 |                 |
|  | Crittenden Road  | Roadside   | City of Mountain View    | City of Mountain View | Paved           | 3                    | 0               | 0               |
| <b>St Josephs Hill</b>                 |  |            |                          |                       |                 |                      |                 |                 |
|  | Jones Road   | Roadside   | Town of Los Gatos        | Town of Los Gatos     | Paved           | 50                   | 0               | 0               |

ATTACHMENT 2

| Preserve Name     | Name of Parking Location                                 | Type     | Owner              | Responsible Party  | Surface         | # of Standard Spaces | # of ADA Spaces | # of Eq. Spaces |
|-------------------|--|----------|--------------------|--------------------|-----------------|----------------------|-----------------|-----------------|
|                   | Alma Bridge Road   | Roadside | Santa Clara County | Santa Clara County | Gravel / Rocked | 20                   | 0               | 0               |
| <b>Thornewood</b> |  |          |                    |                    |                 |                      |                 |                 |
|                   | Thornewood   | Lot      | MROSD              | MROSD              | Gravel / Rocked | 5                    | 1               | 0               |
|                   | Old La Honda- Bridle Trail                               | Roadside | Town of Woodside   | San Mateo County?  | Dirt / Native   | 5                    | 0               | 0               |
| <b>Windy Hill</b> |  |          |                    |                    |                 |                      |                 |                 |
|                   | Windy Hill Parking Area at Portola Road                  | Lot      | MROSD              | MROSD              | Gravel / Rocked | 47                   | 2               | 0               |
|                   | Windy Hill Parking Area at Anniversary Trail-Picnic      | Roadside | State              | Cal Trans          | Gravel / Rocked | 12                   | 1               | 0               |
|                   | Windy Hill Roadside at WH01                              | Roadside | State              | Cal Trans          | Gravel / Rocked | 15                   | 0               | 0               |
|                   | Windy Hill Roadside at Upper Razorback Ridge Trailhead   | Roadside | State              | Cal Trans          | Dirt / Native   | 6                    | 0               | 0               |
|                   | Alpine Rd. at Willowbrook (not including street parking) | Roadside | Portola Valley     | Portola Valley     | Dirt / Native   | 15                   | 0               | 0               |

Attachment 3: Individual Counter Data by Month and Year

Vehicle Counters

| El Corte de Madera Parking Lot |      |      |      |      |  |
|--------------------------------|------|------|------|------|--|
|                                | 2017 | 2018 | 2019 | 2020 | 2020 %-Change from Average of Previous 3 Years |
| Jan                            | 962  | 1378 | 1180 | 1357 | 16%  |
| Feb                            | 791  | 1441 | 948  | 1794 | 69%  |
| Mar                            | 1343 | 1298 | 1379 | 2802 | 109%   |
| Apr                            | 1598 | 1662 | 1440 | 1830 | 17%  |
| May                            | 1933 | 1783 | 1440 | 5126 | 198%   |
| Jun                            | 1860 | 2007 | 1366 | 5147 | 195%   |
| Jul                            | 2104 | 2062 | 2071 | 4971 | 139%   |
| Aug                            | 1899 | 1985 | 2493 | 3362 | 58%  |
| Sep                            | 1585 | 2014 | 1931 | 3418 | 85%  |
| Oct                            | 1429 | 1765 | 2043 | 2780 | 59%  |
| Nov                            | 1252 | 1087 | 2069 | 5306 | 261%   |
| Dec                            | 1464 | 1345 | 1037 | 3955 | 209%   |

| Monte Bello- Main Parking Lot |      |      |      |      |  |
|-------------------------------|------|------|------|------|--|
|                               | 2017 | 2018 | 2019 | 2020 | 2020 %-Change from Average of Previous 3 Years |
| Jan                           | 1248 | 1415 | 1368 | 1364 | 2%   |
| Feb                           | 1268 | 1428 | 880  | 1615 | 35%  |
| Mar                           | 1547 | 1318 | 1566 | 2012 | 36%  |
| Apr                           | 1778 | 1818 | 1755 | 1861 | 4%   |
| May                           | 1820 | 1841 | 1538 | 3410 | 97%  |
| Jun                           | 1602 | 1492 | 1792 | 2592 | 59%  |
| Jul                           | 1695 | 923  | 1681 | 2703 | 89%  |
| Aug                           | 1406 | 1314 | 1699 | 1389 | -6%  |
| Sep                           | 1224 | 1372 | 1525 | 1373 | 0%   |
| Oct                           | 1406 | 1441 | 1199 | 1926 | 43%  |
| Nov                           | 1252 | 669  | 1257 | 2415 | 128%   |
| Dec                           | 1428 | 1192 | 970  | 2834 | 137%   |

| Rancho Entrance |       |       |       |       |  |
|-----------------|-------|-------|-------|-------|--|
|                 | 2017  | 2018  | 2019  | 2020  | 2020 %-Change from Average of Previous 3 Years |
| Jan             | 32136 | 33774 | 34150 | 36371 | 9%   |
| Feb             | 30476 | 30227 | 25679 | 34947 | 21%  |
| Mar             | 46370 | 24546 | 32287 | 55011 | 60%  |
| Apr             | 45238 | 34011 | 40505 | 59388 | 49%  |
| May             | 44376 | 43651 | 36502 | 71492 | 72%  |
| Jun             | 41978 | 40278 | 52120 | 70842 | 58%  |
| Jul             | 44517 | 41247 | 46460 | 73231 | 66%  |
| Aug             | 43106 | 21239 | 29239 | 54525 | 75%  |
| Sep             | 36571 | 35544 | 34619 | 48828 | 37%  |
| Oct             | 35408 | 29742 | 32556 | 59505 | 83%  |
| Nov             | 35190 | 19844 | 33453 | 60721 | 106%   |
| Dec             | 37351 | 31621 | 26627 | 62421 | 96%  |

| Mt. Umunhum Rd @ SA39 |      |      |      |      |   |
|-----------------------|------|------|------|------|---|
|                       | 2017 | 2018 | 2019 | 2020 | 2020 %-Change from Average of Previous 2 or 3 Years |
| Jan                   |      | 3092 | 3513 | 3694 | 12%   |
| Feb                   |      | 3061 | 2914 | 3550 | 19%   |
| Mar                   |      | 4584 | 3527 | 4132 | 2%  |
| Apr                   |      | 3978 | 3412 | 5186 | 40%   |
| May                   |      | 4461 | 3517 | 7359 | 84%   |
| Jun                   |      | 4300 | 3960 | 4987 | 21%   |
| Jul                   |      | 4360 | 3621 | 6104 | 53%   |
| Aug                   |      | 3521 | 3550 | 4589 | 30%   |
| Sep                   | 4948 | 3569 | 4266 | 3202 | -25%  |
| Oct                   | 6371 | 3052 | 2648 | 3579 | -11%  |
| Nov                   | 5407 | 2448 | 2684 | 4352 | 24%   |
| Dec                   | 3540 | 3796 | 2669 | 4669 | 43%   |

| Windy Hill- Lower Parking Lot |      |      |      |      |  |
|-------------------------------|------|------|------|------|--|
|                               | 2017 | 2018 | 2019 | 2020 | 2020 %-Change from Average of Previous 3 Years |
| Jan                           | 2854 | 4082 | 3661 | 4000 | 13%  |
| Feb                           | 2935 | 4106 | 2433 | 4508 | 43%  |
| Mar                           | 3837 | 3631 | 3778 | 4303 | 15%  |
| Apr                           | 4196 | 4388 | 4407 | 0    | -100%  |
| May                           | 4765 | 4868 | 3584 | 6412 | 46%  |
| Jun                           | 3858 | 4468 | 4236 | 6913 | 65%  |
| Jul                           | 4431 | 3488 | 4544 | 6847 | 65%  |
| Aug                           | 3817 | 4552 | 4143 | 3568 | -14%   |
| Sep                           | 3884 | 4630 | 4212 | 3707 | -13%   |
| Oct                           | 3719 | 3358 | 4007 | 4855 | 31%  |
| Nov                           | 3886 | 2505 | 4224 | 5334 | 51%  |
| Dec                           | 4149 | 3285 | 2879 | 6013 | 75%  |

**Attachment 3: Individual Counter Data by Month and Year**

**Pedstrian Counters**

| <b>Fremont Older- Near Cora Older Trail</b> |             |             |             |             |   |
|---|-------------|-------------|-------------|-------------|---|
|   | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2020 %-Change from Average of Previous 3 Years</b> |
| <b>Jan</b>                                  | 3030        | 3598        | 3598        | 4201        | 23%   |
| <b>Feb</b>                                  | 1371        | 3440        | 3440        | 5289        | 92%   |
| <b>Mar</b>                                  | 1314        | 1247        | 1393        | 5470        | 315%  |
| <b>Apr</b>                                  | 1057        | 177         | 510         | 7120        | 1125%   |
| <b>May</b>                                  | 1293        | 2654        | 1648        | 7342        | 294%  |
| <b>Jun</b>                                  | 629         | 1289        | 4641        | 5442        | 149%  |
| <b>Jul</b>                                  | 207         | 1361        | 4449        | 5310        | 165%  |
| <b>Aug</b>                                  | 151         | 619         | 3554        | 2650        | 84%   |
| <b>Sep</b>                                  | 179         | 1272        | 2277        | 2025        | 63%   |
| <b>Oct</b>                                  | 162         | 1331        | 1236        | 2312        | 154%  |
| <b>Nov</b>                                  | 180         | 944         | 3099        | 4083        | 190%  |
| <b>Dec</b>                                  | 1744        | 1784        | 2662        | 4823        | 134%  |

| <b>St. Joseph's Hill- Jones Trail</b> |             |             |             |             |   |
|---------------------------------------|-------------|-------------|-------------|-------------|---|
|                                       | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2020 %-Change from Average of Previous 3 Years</b> |
| <b>Jan</b>                            | 2738        | 4748        | 5047        | 6227        | 49%   |
| <b>Feb</b>                            | 2459        | 4132        | 3518        | 6674        | 98%   |
| <b>Mar</b>                            | 4596        | 5102        | 5660        | 8136        | 59%   |
| <b>Apr</b>                            | 4755        | 7046        | 6204        | 11069       | 84%   |
| <b>May</b>                            | 5102        | 7362        | 6589        | 14045       | 121%  |
| <b>Jun</b>                            | 8060        | 6484        | 6646        | 11509       | 63%   |
| <b>Jul</b>                            | 6254        | 6259        | 6529        | 10483       | 65%   |
| <b>Aug</b>                            | 6656        | 6078        | 6124        | 7404        | 18%   |
| <b>Sep</b>                            | 5937        | 6632        | 6319        | 6969        | 11%   |
| <b>Oct</b>                            | 5962        | 5768        | 5958        | 8753        | 48%   |
| <b>Nov</b>                            | 5762        | 3710        | 5855        | 8990        | 76%   |
| <b>Dec</b>                            | 5059        | 5608        | 4292        | 9104        | 83%   |