

APPENDICES

Appendix A

Estimation of Total Use Levels on Sample Trails

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As discussed in detail in chapter 2, the total numbers of people using the three trails included in the study were estimated through a complicated procedure involving several variables. Basically, the numbers of users counted by rangers on periodic trail patrols were: 1) expanded to compensate for users not seen by the ranger on his or her trail pass (determined through periodic calibration counts), and 2) to avoid double counting any users, corrected for users' length of stay on the trail. These corrections resulted in an adjusted estimate of the number of users on the trail during each trail patrol. This estimate was then expanded into an estimate of total number of users per day by incorporating the time required per patrol and the number of daylight hours available each season. This daily use estimate was extrapolated to the number of days in each season to provide the total seasonal use estimates (Table A-1).

For the Heritage Trail, calibration counts showed that the rangers counted 42.5% of the total trail users during an average pass. Trail users stayed on the trail an average of 150 minutes, while the trail patrol took an average of 108.6 minutes, yielding a length of stay correction factor of .724. The number of passes possible per day ranged from 4.97 in winter (based on 9 hours of daylight) to 6.63 (12 hours) for spring and fall and 8.28 for summer (15 hours). Higher counts of users, coupled with more available daylight hours, resulted in much higher use levels in summer on the Heritage Trail. Use levels remained relatively high during the fall but were quite low during the spring and winter months.

On the St. Marks Trail, rangers' trail counts represented 37.6% of all trail users during trail passes. Trail users' length of stay on the trail was 140.5 minutes, compared to a trail patrol time of 126.1 minutes, resulting in a length of stay correction factor of .897. The number of possible passes per day ranged from 4.3 in winter to 5.7 for fall/spring and 7.1 for summer. Use levels on the St. Marks trail were quite consistent across seasons.

On the Lafayette/Moraga Trail, the patrol counts represented 52.9% of the trail users. It was not necessary to adjust for length of stay because users' time spent on the trail (67.7 minutes) was less than the length of the patrol (115.1 minutes), and therefore double counting of users would not occur. For extrapolation purposes, the number of patrols possible per day ranged from 4.7 in winter to 6.3 for fall/spring and 7.8 for summer. Total use levels on the Lafayette/Moraga trail were highest in spring and summer (nearly 1,500 users per day), and dropped considerably during the fall and winter months.

Appendix B

Representative Open-Ended Responses from User Survey

Heritage Trail User Comments

I use the trail in all seasons and, of course, sometimes it is ice-packed and dangerous for walking. That is the only time I don't use it. I would like better publicized information as to the condition of the trail before I set out to travel the 10 miles by car to get to an access point. Maybe a phone number to call to ask about the condition, which sections are allowed for snow mobiles, etc. I would like more information along the trail as to the kinds of nature and history of the area and where I could find out information, where to pay my fees, etc.

I have been an avid supporter of the Heritage since the very beginning. I enjoy many quiet moments on the trail, and consider it the most valuable, and readily accessible outlet for me to exercise my body and get away from the pressures of my job — in nature! It's great, perhaps the best thing to happen to Dubuque since I moved here 11 years ago.

The utilization of railroad rights-of-way is extremely important for future recreation. The preservation of the natural surroundings that has been accomplished has benefited the wildlife immensely. I hope in the future that more facilities of this type will also be developed the same way as the Heritage trail.

Heritage Trail is a home away from home! Sometimes I use it for pure aerobic exercising, other times it serves as social function when I walk/bike with friends. It's a great place to get away from everything late Autumn through early Spring when use decreases and the wildlife that don't migrate (deer, wild turkey, etc.) re-populate the trail surroundings.

Trail parking lot safety is important to me—my car was shot up as a friend and I came back to the car from a walk. The car was parked in the Twin Spring lot. One bullet went through the driver side door and another shattered the two front door windows; another dented the frame at the base. No one was ever caught - we heard shots and saw a car speeding away.

I don't know if this is the place to express this concern: I have a friend who has farm land on both sides of Heritage Trail. The area across the trail from his farm is wooded pasture (east of Budd Crossing) but has not water. He cannot utilize this land because there is no underpass. So, he pays taxes on this approx 15 acres. The neighbors may use it, but he would like to have access for his cattle. Public relations (image) would be helped if this expenditure could be made.

I'm very impressed with the way the trail is managed and maintained. More restrooms and drinking water would be nice. Also, I live in Dubuque and usually use the Twin Springs access point. I would like to use some other access points to see different areas of the trail, but I can find no detailed maps of the roads to these points that also have parking. We pass some of these spots on the trail, but have no idea how to get to them by car. The maps we have of the trail are adequate for the trail itself, but not for county roads or highways that may parallel the trail or bisect it.

Table A-1
Summary of Trail User Counts

	Number Counted by Ranger	Correction For Users Not Counted	Correction For Length of Stay	Estimated Total Users Per Day	Estimated Total Users Per Season
Heritage Trail					
Spring	12.1	28.5	20.6	136.6	12,468
Summer	56.4	132.7	96.1	795.5	72,593
Fall	40.2	94.6	68.5	454.0	41,429
Winter	11.0	25.9	18.7	93.1	8,496
Total	28.3				134,986
Rounded to					135,000
St. Marks Trail					
Spring	42.6	113.3	101.6	580.3	52,953
Summer	24.3	64.6	58.0	413.9	37,769
Fall	32.9	87.5	78.5	448.2	40,896
Winter	43.1	114.6	102.8	440.1	40,156
Total	34.7				171,774
Rounded to					170,000
Lafayette/Moraga Trail					
Spring	121.8	230.2	230.2	1441.4	131,525
Summer	98.0	185.3	185.3	1448.7	132,197
Fall	81.6	154.3	154.3	965.6	88,112
Winter	70.6	133.5	133.5	625.9	57,116
Total	93.5				408,950
Rounded to					400,000

St. Marks Trail User Comments

I would like to see the trail expanded into a series of bike/hike (and other uses) ways throughout the city and surrounding counties - not just Leon and Wakulla. In the few years it has been open, usage has soared and any time, day or night, that I have been on it, it has been in use. I would like to see it connecting with or passing near some of our local and other state parks. Rest rooms and water facilities would be nice (restrooms at each end would be wonderful!). Because of our use and enjoyment of this trail, we've traveled to 12 or 14 states such as Ohio, Wisconsin, Michigan, Maryland, West Virginia, and other states I haven't named to ride their rail-trails. Each is different and unique - and each was enjoyed. It is one of the most efficient and productive ways to create new parks for both city and country dwellers. We can only benefit from these wonderful greenways. I also think it's important that trails are patrolled regularly, either by vehicle or by a cycle-patrol. It is good public relations for the park services and helps keep vandalism and littering at a minimum level.

I think it's a great place; it gets a lot of use by people of all ages. I really don't think I would ride as often as I do now were it not for the Trail. Since my first visit in mid-December, I have returned every weekend and will continue to do so after my Physical Therapy has been completed. The formation of the Trail was a great idea. Thanks!

The rangers were extremely friendly and seemed very willing to lend assistance. It appeared that they had a genuine interest in their job and I appreciated their attitude and professionalism. The trip was a positive experience for me and I am looking forward to bicycling again soon and more often. I would like to see restrooms made available since I bicycle with my daughter who is a pre-schooler.

The trail has made my life happier and more fulfilling than any other aspect of Tallahassee/Leon/Wakulla Counties. There is no other way for my husband and I and our 5 year old girl (who rides in a seat on his bike) to spend a day than on this healthful and happy and natural trail. I wish the State of Florida would make them all over the state to promote a healthy, outdoor appreciation of Florida. I wish there was one on the north end of town going up from Lake Jackson to Havana. That's the part of town we live in.

Wish it could be extended both into town so I could actually use it as a way to get into town without driving and that there were more bike routes or trails off of it like to Wakulla Springs and St. Marks Wildlife Refuge and Natural Bridge. It's a great idea and I'd like to see more of them — would be willing to pay a fee to use and maintain them.

The St. Marks trail should be used as the backbone of a trail network through southern and central Wakulla Counties. Connector spur trails should be signed to all other adjacent state and federal facilities: Natural Bridge, Wakulla Springs, St. Marks NWR, San Marcos, Apalachicola National Forest. The trail must be continued into Tallahassee and connected to city bikeway system and city recreational centers. Reforestation should be conducted along barren strips of right-of-way; wild flowers should be encouraged by attention to mowing schedules.

Because my husband and I are retired and are not travellers, the St. Marks Trail is very important to us. We probably will never use any other trail for this reason, but I hope that trails are being made available all over the country. If I were younger, I would love to do that sort of vacationing. Because of the danger of traffic, the trail is the only place we would dare ride or walk. We appreciate it very much.

I enjoyed riding the St. Marks Trail very much. My wife and I and two children go to Florida to the beach about twice a year. Sometimes we stay for three or four days, sometimes a week. This was the first time I visited the trail because I wasn't sure where it was until I asked a few bicycle shops. All of our future vacations will be planned around this area now. We can go to the beach, stay at the beach and travel just a few miles to go biking. I'm trying to teach my 7-year-old daughter to ride safely so she can ride with me. The trail is ideal for this due to no hills and no traffic. Wish I lived closer so I could use it more.

The trail is great—I've enjoyed it tremendously. I've ridden on it almost exclusively since purchasing my bike 3 or 4 months ago. The nature trail loops off to the side are a good addition to the trail. It was the perfect setting to learn about off-road biking. Now that I'm more comfortable riding off-road, I may decrease time spent on the trail and replace it with riding the other nature trails in the area that are not paved in the local national forests and parks. I'm sure I'll continue to enjoy the St. Marks trail as well.

I cycle for exercise, and the St. Marks Trail is the only available cycling path in the area. I don't like to cycle on the road due to the danger from traffic. (Actually, I started cycling because of the availability of the trail; otherwise, I would probably do something else to exercise.)

I was very pleased when I was approached to contribute to this study, especially since I recently joined Rails-to-Trails and am very interested in promoting trails. This trail has helped make some important changes in my life—mainly the 30 pounds I've lost.

A few years ago when the St. Marks trail was developed, I thought to myself what a waste of money, but now with a family, I look at the St. Marks Trail as one activity the whole family can participate in and enjoy. Although when surveyed by the Park Ranger, we were doing only part of the trail, we have since returned and went the entire length. My wife, daughter, and I look forward to many years of enjoyment, exercise, and family togetherness on the St. Marks Trail and applaud any efforts to improve or even tie into the trail with a sister trail maybe to Wakulla Springs Park.

In early July of this year, a group of friends and I rode the trail (and bicycled) for the first time in our adult lives. Of the 9 people in our group that day, 4 of us have made a ritual of riding the trail each Sunday morning. Two others of that group have become bi-weekly riders. One other member of the group is a jogger and now uses the trail for jogging several times weekly. Bicycling has become a very enjoyable past-time for me and has given me much needed exercise along with the joy of experiencing the solitude and natural beauty of the trail.

I use the trail 2-3 days a week — weekdays and weekends at various times of day. Usual trip is 12-18 miles. Longest ride was 50 miles - Sageville to Dyersville and back this summer. In my opinion, the \$5.00 annual fee is the best bargain in town. The trail is well maintained (especially the section from Sageville to Graf). This trail is used by young and old. The only suggestions I would have is to have more frequent ranger patrols. It's a great trail, and a great asset to the Dubuque community.

Heritage (Trail) is a great addition to the recreational resources of our area. It is developing nicely. It is not overcrowded yet. Having to travel a bit for access helps limit the amount of frivolous use and cuts down on the prankish damage. I'm grateful to have it.

for it and exerted leadership to preserve it for us. It is truly an outstanding community asset and is one of the significant reasons why Moraga is such a fine place to live in. Management is fine and maintenance is satisfactory. The only improvement I see is controlling the bikers by giving them restricted hours on certain days only. This is to protect children and seniors. Use same plan as at Lafayette Reservoir. Thanks for this opportunity.

The best part of my day is walking at lunch time on the trail.

I object to questions about money. It is obvious that the point is that trails may generate additional local revenue, particularly from outside visitors. I appreciate that local agencies may be motivated by the greed factor. However, this should be a footnote at best. In addition, I do not want any encouragement for "outsiders" to come and use "our" trail. Locals treat "their" trail with great respect. My extensive experience with trails that are used by non-locals is that non-locals have far less respect for the trails and other people using them. The Lafayette/Moraga trail has a highly conscientious and courteous group of users. We do not need or want disrespectful and abusive "transients" frequenting the trail, encouraged by those who seek "revenue" which largely goes into the pockets of businessmen.

It would be extremely nice if there were snack stands somewhere so people could buy drinks. It also needs more water fountains. But, besides these two factors, I love the trail. I'm not sure if it would be fair to charge people for use of the trail, but I would definitely be willing to pay anyways.

The major problem with the Lafayette/Moraga Trail is the unsafe conditions created by bicyclists: (1) they go too fast for trail conditions and pedestrians; (2) they show too little consideration for safety of pedestrians; (3) they seldom comply with present signs requiring speed reduction and calling out when passing pedestrians; (4) they fail to observe stop signs; (5) they fail to slow down and/or stop when there is pedestrian congestion on the trail. It is only a matter of time until there is a serious accident on the trail. The condition is growing worse as time goes on.

As our nation grows older, it is very important that our local, state, and federal government give serious attention to providing parks and trails as we have in the Lafayette/Moraga area to encourage our youth and Senior citizens to stay active and healthy by this type of recreation. I am disturbed, as well as my family and friends, that our various governments do not see or understand that long term investment in this recreation area would help reduce crime, increase the health of our nation, thereby reducing the amount of money now being spent and wasted because of dishonesty on the aforementioned subjects. As for improving the trail or management of it, I think it is fine "as is." Local citizen participation keeps it "fine tuned" and will let the local officials know when something needs attention.

My husband insisted on living in Moraga so he could jog on the easy grades of the trail. My children enjoy hiking on the trail although I do worry about the dangerous intersection for access at Moraga Road and Corliss. Some sections may be too isolated for children or women to travel alone. My son had one incident where he had to fight an older boy from stealing his bike

I strongly promote fitness. The trail has been wonderful for hundreds of people. I see and talk to folks constantly that tell me that the reason they ride is because the trail is available. I find the trail rather boring and too full of dirt which causes me to have to slow down too much. But for kids and non-athletes, the Trail is the best! I would pay an annual fee, not so much because I would use it, but because I strongly believe in the concept. I must say that I enjoy riding on the trail during the winter months when it gets dark early and I often get caught in the dark. I don't feel it is unsafe to travel on the path as dusk sets in. I feel very uncomfortable on the road at dusk, however. MORE trails need to be created! They're wonderful and a much needed concept.

The Rail Trail was supposed to be for horses as well as other uses. Until the Jefferson Co. Horseshows Association started working on it, there was no place for horse people. Supposedly there wasn't enough money left for the project. If it hadn't been for ICHA, there wouldn't be a horse trail today. Approximately 425 man hours of time was donated or volunteered to make it happen. I feel like horse people got a raw deal. I never saw one hiker or biker doing work on the trail. Any future improvements should include horse people who support the local economy much, much more in feed and expenses than any other user.

The ants are tunneling up under the trail, and that is causing some pot holes. Horses shoes shouldn't be allowed on the trail as it makes an indentation in the asphalt. Kids should be able to loiter on the trail in Woodville. Mr. Tooke shouldn't be able to ride his golf cart on the trail. The two officers that patrol the trail have been told not to say anything to him from their boss. Who is liable if someone gets hurt on the trail by this man that can't see well enough to drive but is allowed to drive a golf cart on the trail?

Any green space we manage to keep is of major benefit to everyone and everything. It is nice to have a healthy alternative to group activities. I am very proud of the state of Florida making this commitment and hope to see this continued in many, many areas.

The St. Marks trail is a beautiful recreational area and a great asset to the Tallahassee Big Bend areas. However, the past 3 years, I have lived here, I've noticed a consistent pattern of land clearing and development along the margins of the trail. This concerns me very much as it threatens the integrity of the trail. The continued development of the land (especially the clear and burn tactics employed by the St. Joe Paper Co., et al.) will surely detract from the beauty of the trail and reduce its wide appeal.

We feel very fortunate in having this special resource nearby. My husband and I look forward to having our children get a little older so they can cycle with us.

It is very important that the trail be maintained in its natural, quiet and safe condition. It should be free to those who choose to use it and if manpower is needed to clean it up or for repairs, volunteers would readily be available. Efforts should be made to keep people aware of how they can participate in the maintenance of the trail rather than creating an annual pass fee.

Appendix C

Representative Open-Ended Responses from Landowner Survey

Lafayette/Moraga Trail Users Comments

The only thing that keeps me from using the trail more is the length of the day. In the summer, I use it more because there is obviously more light—longer days. I generally use the trail in the afternoon and evenings on weekdays. Perhaps some lighted areas along the trail would be useful to more people like myself. I agree that pets should be on leashes along the trail, and the vast majority of dog owners comply with this rule. It would be very helpful, however, to have open areas designated for off-leash pets. I greatly enjoy walking with my dog, but it isn't always fun for us if he is on a leash. The only area nearby that is legal to have him loose is in Briones Park at the opposite end of my tour. I have lived in the Bay Area for 17 years, in various locations. This trail makes this area my favorite of them all, as I can walk safely in a natural area close to my home. This is very important to me.

Part V, Question 5 upset me. I try to imagine what would happen if the trail required a pass to use it. I think the beauty of the trail is that it is like "a little bit of heaven" right in my neighborhood and anyone at all is free to use this trail. The community should care for and take care of its trail — I don't mind donating money to these ends, but I do not like the idea of requiring passes.

It doesn't matter to me if the paths were in a semi-natural state, but once they were paved, it is the expectation the paths will be safe for those of all ages and abilities. Pot holes and hazards would be dangerous for fast bicycling or roller skating or those pushing children in strollers, etc. I truly love the trail and the convenience to my home. It's what makes our community special. However, in the light of costs for maintenance, a more natural trail might be appropriate.

I wish there were more trails. There are better trails in Minneapolis and Lexington, MA. I would do this activity better there! All I really use is a small section of the trail — a favorite the undeveloped part towards the staging area.

Every time the natural vegetation fills in and makes the trail more lovely, they come through with saws and destroy the beauty and the birds leave for long periods. Quite unnecessary. Many bike riders bike fast and carelessly. I'm handicapped, so I'm very slow. They have frightened me many times. I haven't had an accident yet, but it seems unavoidable. They need to enforce the biking rules.

As noted in Question 5, part V, the trail is just right as it is. I have grown up and gone to school in the Lafayette/Moraga area and have been using the trail continuously since its construction (circa 1975). Over the years, I have used this trail quite often for either practical purposes, exercise, or whatever. My 9 and 10 year old son and daughter are now frequent users of this trail and my wife and I feel very comfortable in allowing them to go off with friends or other on the trail without adult supervision. I hope that this trail doesn't become too commercialized. It's just right. Thank you.

It is tremendous having this trail facility. We owe much appreciation to those who f

at a water fountain. Overall, the trail is a valuable asset to the community which favorably impacts real estate values and makes exercising convenient and enjoyable.

It's a great place to enjoy walking, riding, or running. I appreciate that it is maintained but don't have loyalty to it or identify with it. I would like to see it continued to be provided and maintained.

I enjoy both the Lafayette Reservoir, where I do pay \$60 for an annual pass, as much as Lafayette/Moraga Trail. Together, the 2 trails are of extreme importance in my lifestyle.

The Lafayette/Moraga trail is a very valuable resource for this community. I use the trail 2-3 times a week for walking/jogging and get a great deal of pleasure and benefit (both mental and physical) from doing so. The trail has become an important and valuable part of my routine. Trails like this are very important community assets.

Since it is paved, I think it should be carefully reviewed and holes filled in when needed (that is not the case presently). The Lafayette-Moraga Trail is very special to me and it was a decisive factor in choosing this area for my permanent residence. I walked and rode the trail long before it was paved and in many ways I preferred it (undeveloped) because far fewer people used it. However, I think it is wonderful that many people avail themselves to walks and bicycle rides as it is healthier for them. I am very grateful for this lovely setting and feel very lucky that I may go for walks and rides (even at dusk) and feel perfectly safe. It's a constant battle fought by developers and real estate tycoons who want to build on open space and hopefully we will be able to keep this area as is for a long time. Thank you for your interest and for your part in keeping trails like ours alive and well.

The trail has been a definite plus to our community and has provided a safe and convenient avenue for many activities. I've personally used it for running, walking, biking, and horse back riding. The trail also adds a strong sense of community and friendliness to our town of Moraga. It's fun to go out and be able to say "hi" to so many people, and I'd say 99.9% of them respond back.

Heritage Trail Landowner Comments

We are a small town and most everyone uses the trail at one time or another. The city of Durango has no bad comments to make of the trail; they all like it very much.

My biggest problem is just in the way *this* trail was acquired.

I like living by the Heritage Trail. To watch people. Plus, for my own family purposes.

There should never have been a Heritage Trail. By rights, the land should have gone back to the landowners first. Then, if they wanted to sell the ground for a trail, they could.

We receive two free passes a year, as a landowner along the trail. We could afford to buy these passes, but the gesture of thanks means a lot. Keep up the good work.

I don't like the way the trail was taken from the original owners of the land. It was theirs to begin with; I think it should have been given back.

It's a great asset to the community. I feel it's much safer for people to bike on a trail than on streets and highways. Be willing to share the beauty of the trail with others. We have never had any problems with the people who use the trail. The trail is well managed. Most bikers do not see the real beauty of the trail. When you walk it, you really notice your surroundings. Keep up the good work.

People that use the trail are good people and friendly. Good sports. Bad people don't use the trail because they don't have enough ambition to get out to use it.

We were on the committee opposing the trail—but for a different purpose. Our land is not split—we were in support of our neighbors who had land on both sides—they wanted one piece again, but we are not ready to give up the beauty and serenity of the quiet place to escape. There was a lot of garbage—beer parties and such from teenagers (15-25) in this road by our farm, so we just wanted land back to fence it off to try to arrest this problem. Since the trail, the problem has almost stopped. Once a year a huge party goes on—the management and us get along great. No problem.

St. Marks Trail Landowner Comments

The trail was a good idea and is used much more than I thought it would be . We use it, but because it is unsafe to ride on U.S. 98 between the Wakulla River and the trail. We don't use it often (not near as much as we would like to). The impact on St. Marks can be helped by the state and federal governments and as soon as the short term problems are solved, the trail will be a great asset, now and for many generations to come.

The trail has been utilized by many more individuals on a regular basis than I anticipated. Its use and operation has been a pleasant surprise to many of us.

As far as I am personally concerned, the trail is the most beneficial contribution the state of Florida has made.

One of its best uses is by teenagers, providing them affordable, outdoor recreation. In the areas along the trail, other such wholesome activities are desperately lacking.

I think the trail is good for the people that choose to use it. It has not bothered us in any way. It also keeps bikes off the road. The road is not in sight of our house.

I am sure that some people enjoy the trail, but as I don't use it and it's not adjacent to my property, it really doesn't affect me at all.

I think the bike trail has excellent management and would encourage any public or private people/organization to pursue purchasing additional land for additional bike trails or an extension of the present ones.

I was very opposed to the idea at first, fearing that it would be used by motorcyclists, but I am very pleased with the trail—it provides a safe alternative to riding on highways for joggers and bicyclists, and gives me a safe and comfortable place for my walks. I think the trail concept is excellent and am glad it is "catching on" in other places.

Best investment government money could be used for.

My wife was born in and grew up in the house adjoining what is now the St. Marks Trail. We both enjoy the trail and consider it an improvement to the communities through which it passes. We enjoy watching the bicyclists, joggers, and hikers using the trail, especially families with young children. We feel this is an outstanding example of good use of public land for enjoyment of all citizens. P.S., we especially enjoy the wildflowers on our walks.

I see no advantages or disadvantages to the trail.

Horses. The horse trail is not clearly marked. We were not aware of a horse trail until recently. The horses harass our dogs. Riders do not stay on the trail.

The Trail is a haven for child molesters (young and old), female attackers, and robbers. Relatives of mine who live near the trail (property adjoining) cannot let their kids ride their bikes on the trail without an accompanying adult. Older teenagers and adults harass and threaten them. We have heard of many bad experiences.

I appreciate having the trail adjacent to my property. The trail provides a means of exercise for the adults and recreation for my tenants. Also, it insures cleanliness across the front of my property because it is very well maintained.

The trail is good for families. And kids have a place to ride their bikes.

I really think that a lot of tax payers money is wasted on the upkeep of this trail. The users should help with this cost.

I resent a state agency taking property from private owners without compensation. The small property owner does not have the money to go to court to fight big government with all of its resources, even though the deeds of many adjoining property owners indicated that they owned part of the former railroad bed. This includes me among many others.

I went to all notified meetings in our town about this trail and voiced my opinion for the trail from the very first. I was very excited for the prospect of having a wonderful trail in our area. It lets all people have a good place to walk and ride away from concrete and traffic.

I think the county commissioners should force land owners along the trail to keep this property clean and free of "junk" cars and trash, etc. I think a comfort station would help too.

Woodville Jaycees would like to help beautify the trail by planting along the strip between the trail and the road which runs parallel.

I have been extremely pleased with the upkeep and improvements to the trail. Just keep up the good work. Thank you.

Lafayette/Moraga Trail Landowner Comments

If the trail is forced upon us, let's maintain it in terms of litter control, landscaping, and drainage control. Provide police protection. Limit speed of bikers. Some go by children walking at 25 mph plus.

It has been well designed and managed from the beginning. A great improvement over a noisy electric Railroad.

There is nothing but praise. The trail is well-maintained and warnings given of any difficulties. Most cyclists are courteous. The animals, and there are many, generally use the area between the trail and adjacent homes to take care of their needs. There's an immense amount of pleasure in a friendly "HI" to strangers or simply conversing with old and young alike, whether you do or don't know them. Parents with babies and young children are secure in the knowledge that they are safe, not only from traffic, but from the fact that the trail is so well used. Many hundreds of other communities would be well-blessed with a trail such as ours.

The trail would be a wonderful addition to any area.

It's very popular here. Many, many people enjoy and use it. A good investment.

It is a definite asset for the community and a value added for the nearby properties.

We wouldn't want to be right next to the trail. Our house is one property plus a street away from the trail, so we get its benefits without any of its problems.

We are pleased to have the trail in our community. It is well-used and for the most part, respected by all who use it.

For any adjacent landowner, the desirability of a trail is the result of a trade-off between some loss of privacy and ease of access. How these attributes are weighted will be uniquely determined by the specific configuration of the property and the owners' taste for trail-supported activities.

Despite initial concerns of robbery, lack of privacy, noise, unleashed pets, traffic, etc., after one month here, we developed a sense of small town America. Although we don't know everyone's names, we meet people constantly. Trail has developed a community sense in town. People refer to it as "our trail"—stops isolation of the big city.

I think we are very lucky to have such a trail. It is used by many with increasing numbers each year. It would be nice if it were interconnected to other public use areas.

I believe the trail is successful because the neighbors in general have a value for health, environment, and community. Without that, the trail would be a negative element for adjacent homes.

Vandalism, robbery, and safety concerns I originally had were unfounded.

In Lafayette, this trail is very successful. Other communities with higher crime rates may not have the same advantages. The trail could be a source of trouble. Each community should be evaluated separately for a trail.

We are extremely pleased with the cleanliness and quality of the Lafayette/Moraga trail. It helps to make our community a special place to live.

I have enjoyed the trail. I'd like to think users respect the privacy of bordering homes, as I do. Perhaps planners can offer some landscaping/screening type plants/fence construction to help ensure privacy.

We are glad that our property is at least 150 feet from the trail. I wouldn't want to be any closer. Privacy and noise could become a problem.

I hope many places copy the concept. It is ideal for relieving the stress of city life.

It is a collection point for all kinds of weirdos.

My only concern is the occasional feeling of being watched since the trail is elevated above most lot levels. If it could have been lower, it would have prevented this problem. It's a minor point, though. The trail seems to work out great.

Love the trail. Love the trail. Love the trail. Wish there were more funds so that the mowing and other grooming along our section was not so stingy.

From my experience with this one, trails are great and community benefit is extremely high.

We enjoy seeing all the pleasure users derive from the trail—family usage is very encouraging. We have formed friendships with (former) complete strangers.

Appendix D

Summary of What Users and Landowners Liked Best and Least About Trails

The following four tables summarize the responses to four open-ended questions which asked trail users and landowners what they liked best and least about the trails. Notice that some of the landowners responded based on their experiences as trail users and others from their perspective as owners of property along the trail.

Users' Top Three "Things Liked Best About Trail"

Response	Heritage		St. Marks		Laf/Moraga		Combined	
	n	%	n	%	n	%	n	%
SETTING (Scenic Area/Rural Atmosphere)								
Scenery/Scenic area/Scenic beauty	129	18.4%	71	6.1%	200	12.3%	400	11.5%
Attractive setting-place/Pleasant setting	8	1.1%	12	1.0%	38	2.3%	58	1.7%
Country setting/Rural atmosphere/Undeveloped	5	0.7%	8	0.7%	43	2.6%	56	1.6%
Interesting surroundings/Variety	5	0.7%			20	1.2%	25	0.7%
Varied scenery/sections	3	0.4%	2	0.2%	12	0.7%	17	0.5%
Pleasant atmosphere	1	0.1%	2	0.2%	9	0.6%	12	0.3%
Limestone walls/Bluffs/Rocks	9	1.3%					9	0.3%
No commercialism/No food concessions			3	0.3%	3	0.2%	6	0.2%
Historic value			2	0.2%			2	0.1%
SETTING (Nature)								
Natural/Natural beauty/Nature surroundings	48	6.9%	48	4.1%	49	3.0%	145	4.2%
Trees/Woods/Woodsy	13	1.9%	30	2.6%	23	1.4%	66	1.9%
Shade	15	2.1%	18	1.5%	10	0.6%	43	1.2%
Wildlife/Birds	20	2.9%	11	0.9%	11	0.7%	42	1.2%
Being outdoors/Open spaces	6	0.9%	1	0.1%	16	1.0%	23	0.7%
Flowers/Flora	7	1.0%	3	0.3%	3	0.2%	13	0.4%
Unpolluted/Fresh air	4	0.6%	2	0.2%	6	0.4%	12	0.3%
River/Creek	9	1.3%			1	0.1%	10	0.3%
Hills					6	0.4%	6	0.2%
Caves	2	0.3%					2	0.1%
Fall colors/Seasons changing	2	0.3%					2	0.1%
Blueberries/Fruit			1	0.1%			1	0.0%
Good wind cover	1	0.1%					1	0.0%
SETTING (Secluded)								
Quiet	44	6.3%	31	2.7%	66	4.1%	141	4.0%
Peace and tranquility	34	4.9%	22	1.9%	37	2.3%	93	2.7%
Remoteness/Wilderness/Secluded	8	1.1%	17	1.5%	10	0.6%	35	1.0%
Private/Privacy	3	0.4%	1	0.1%	3	0.2%	7	0.2%
SETTING (Nearby Amenities)								
Stores/Restaurants/Poseys/Museums/Trailside cafe	2	0.3%	8	0.7%	2	0.1%	12	0.3%
Smitty's	8	1.1%					8	0.2%
Par course					7	0.4%	7	0.2%
Small towns	4	0.6%					4	0.1%
Kids park					1	0.1%	1	0.0%
TRAIL (Safety)								
Protected from traffic	44	6.3%	198	17.0%	124	7.6%	366	10.5%
Safe/Safety	10	1.4%	86	7.4%	91	5.6%	187	5.4%
Cross walks					1	0.1%	1	0.0%
TRAIL (Design/Characteristics)								
Level/Flat	39	5.6%	75	6.4%	69	4.2%	183	5.2%
Good surface	36	5.1%	36	3.1%	22	1.4%	94	2.7%
Long/Good length	4	0.6%	40	3.4%	31	1.9%	75	2.1%
Paved			41	3.5%	34	2.1%	75	2.1%
Mile markers/Well marked	7	1.0%	20	1.7%	19	1.2%	46	1.3%
Good trail lay-out/construction/condition	4		2		9	0.6%	15	0.4%
Wide			6	0.5%	8	0.5%	14	0.4%
Straight			7	0.6%	6	0.4%	13	0.4%
It exists/Its there			4	0.3%	3	0.2%	7	0.2%
No curbs	1	0.1%			1	0.1%	2	0.1%
Bridges nice	2	0.3%					2	0.1%
No dust or mud					2	0.1%	2	0.1%
Familiar	1	0.1%					1	0.0%
Made on old rail line	1	0.1%					1	0.0%
TRAIL (Access/Transportation)								
Conveniently located/Easy access	19	2.7%	74	6.4%	236	14.5%	329	9.4%
Commute/Where it goes			7	0.6%	16	1.0%	23	0.7%
Good parking			13	1.1%	4	0.2%	17	0.5%
Access/Connections to other bike areas			4	0.3%			4	0.1%
Access to forest			1	0.1%			1	0.0%
MANAGEMENT								
Well maintained/Clean/No litter	31	4.4%	95	8.2%	102	6.3%	228	6.5%
All weather/Open all the time	1	0.1%	4	0.3%	10	0.6%	15	0.4%
Drinking fountains/Restrooms/Facilities	4	0.6%			10	0.6%	14	0.4%
Dedicated rangers/Good patrols	2	0.3%	7	0.6%			9	0.3%
Free to use			8	0.7%	1	0.1%	9	0.3%
Bollards wide enough now			1	0.1%	5	0.3%	6	0.2%
Landscaped					6	0.4%	6	0.2%
Benches/Place to sit and think	2	0.3%					2	0.1%
Not overmanaged					1	0.1%	1	0.0%
"I like everything about the trail"	48	6.9%	46	4.0%	76	4.7%	170	4.9%

Users' Top Three "Things Liked Best About Trail" (Cont'd)

<u>Response</u>	<u>Heritage</u>		<u>St. Marks</u>		<u>Laf/Moraga</u>		<u>Combined</u>	
	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>
SOCIAL								
Not crowded (at times)	10	1.4%	20	1.7%	33	2.0%	63	1.8%
Nice/Friendly people	7	1.0%	10	0.9%	45	2.8%	62	1.8%
Good neighborhood/Enough people to feel safe			1	0.1%	17	1.0%	18	0.5%
Meeting people	1	0.1%	1	0.1%	5	0.3%	7	0.2%
Others	1	0.1%	4	0.3%	2	0.1%	7	0.2%
Promote family togetherness & health			3	0.3%	1	0.1%	4	0.1%
Only few bikers					1	0.1%	1	0.0%
ACTIVITIES								
Nice/Good place to walk,run,bike,ride	26	3.7%	34	2.9%	31	1.9%	91	2.6%
Variety of uses			3	0.3%	9	0.6%	12	0.3%
Outdoor exercise	4	0.6%	3	0.3%	5	0.3%	12	0.3%
Safe place to walk, run, bike			7	0.6%	5	0.3%	12	0.3%
Satisfying/Enjoyable/Relaxing	1	0.1%	3	0.3%	2	0.1%	6	0.2%
Chance to get out of town			1	0.1%			1	0.0%
ANIMALS								
Dogs allowed/Nice dogs	1	0.1%			5	0.3%	6	0.2%
No dogs	2	0.3%	1	0.1%			3	0.1%
Horses allowed			1	0.1%	2	0.1%	3	0.1%
The horse trail			3	0.3%			3	0.1%
Dogs on leashes					1	0.1%	1	0.0%
No horses	1	0.1%					1	0.0%
Totals	700	100.0%	1163	100.0%	1627	100.0%	3490	100.0%

Table D-2
Users' Top Three "Things Liked Least About Trail"

RESPONSE	Heritage		St. Marks		Laf/Moraga		Combined	
	n	%	n	%	n	%	n	%
TRAIL (Surface)								
Rough surface, slippage, cracks, bumps, ruts, and holes	32	9.4%	7	0.9%	117	11.6%	156	7.3%
Soft surface/Not paved	34	10.0%					34	1.6%
Surface paved/too hard	2	0.6%	3	0.4%	9	0.9%	14	0.7%
Too much sand on trails/intersections/Sand used for repairs	5	1.5%	6	0.8%	1	0.1%	12	0.6%
Muddy surface/Soft when wet/Muddy shoulders	4	1.2%			1	0.1%	5	0.2%
Rough entry ramps/curbs/shoulders			1	0.1%	2	0.2%	3	0.1%
Soft tar patches					2	0.2%	2	0.1%
TRAIL (Design/Characteristics)								
Too narrow	5	1.5%	19	2.4%	22	2.2%	46	2.2%
Too short	2	0.6%	20	2.6%	20	2.0%	42	2.0%
Too flat	4	1.2%	22	2.8%	4	0.4%	30	1.4%
Too straight			17	2.2%			17	0.8%
Should be separate bike path					4	0.4%	4	0.2%
Some trails sideslope too much					1	0.1%	1	0.0%
TRAIL (Miscellaneous)								
Bollards inadequate/too close/cause slow-downs			10	1.3%	19	1.9%	29	1.4%
Need better mile markers/more mile markers	4	1.2%	9	1.2%	3	0.3%	16	0.8%
Not enough loops/side-trails/off-road trails			3	0.4%	5	0.5%	8	0.4%
Hills					4	0.4%	4	0.2%
Signs to points of interest/attractions			2	0.3%	1	0.1%	3	0.1%
Better marking on mountain bike trail			1	0.1%			1	0.0%
FACILITIES								
Number of restrooms inadequate	26	7.6%	92	11.8%	37	3.7%	155	7.3%
Number of drinking water stops inadequate	15	4.4%	96	12.3%	33	3.3%	144	6.8%
Need more benches	8	2.4%	4	0.5%	9	0.9%	21	1.0%
Need more picnic & rest areas, rain & shade shelters	2	0.6%	16	2.1%	1	0.1%	19	0.9%
Lack of facilities	4	1.2%	14	1.8%			18	0.8%
Inadequate parking/Need more parking areas			12	1.5%	5	0.5%	17	0.8%
No drink machines/food concessions/restaurants	1	0.3%	10	1.3%			11	0.5%
No emergency facilities or phones	2	0.6%	5	0.6%	1	0.1%	8	0.4%
Need one or more trash cans			2	0.3%	5	0.5%	7	0.3%
Need more or better par courses					5	0.5%	5	0.2%
Disappointing end: no tables or parks			3	0.4%	1	0.1%	4	0.2%
No repair facilities for bikes	1	0.3%	2	0.3%			3	0.1%
Rest stop in wrong place			2	0.3%			2	0.1%
Smitty's store closed on Mondays/Need more Smitty's	2	0.6%					2	0.1%
USERS (Bikers)								
Inconsiderate bikers/2 abreast/Pass with no warning	8	2.4%	11	1.4%	85	8.4%	104	4.9%
Bikers going too fast			7	0.9%	81	8.0%	88	4.1%
Bikers	1	0.3%	3	0.4%	43	4.3%	47	2.2%
Kids with training wheels/Kids on bikes	1	0.3%			1	0.1%	2	0.1%
Slow bikers			2	0.3%			2	0.1%
Bikes parking on trail			1	0.1%			1	0.0%
Bikers impatient with kids on trail			1	0.1%			1	0.0%
Bikes & horses not compatible			1	0.1%			1	0.0%
USERS (Other Users)								
Too crowded/Too crowded at times (esp. weekends)	5	1.5%	15	1.9%	52	5.1%	72	3.4%
Inconsiderate users	4	1.2%	6	0.8%	9	0.9%	19	0.9%
Inconsiderate walkers/3 abreast	1	0.3%	2	0.3%	15	1.5%	18	0.8%
Uncontrolled kids (coming from school/pre-school)	2	0.6%	6	0.8%	3	0.3%	11	0.5%
Snowmobiles allowed	6	1.8%					6	0.3%
Reckless skaters/skateboarders			1	0.1%	2	0.2%	3	0.1%
ATVs/Snowmobilers not allowed on all of it	3	0.9%					3	0.1%
Need center line/separation	1	0.3%	1	0.1%	1	0.1%	3	0.1%
People with walkmans/headphones					3	0.3%	3	0.1%
Conflicts with other users			1	0.1%	1	0.1%	2	0.1%
Mothers with babies in strollers/back of bikes, etc.					2	0.2%	2	0.1%
ANIMALS (Dogs)								
Dog manure	1	0.3%			117	11.6%	118	5.5%
Unleashed/Uncontrolled dogs	2	0.6%	7	0.9%	37	3.7%	46	2.2%
Dogs	3	0.9%	8	1.0%	9	0.9%	20	0.9%
Leash law					6	0.6%	6	0.3%
Stray dogs that seem to live there	2	0.6%					2	0.1%
Dog was poisoned here					1	0.1%	1	0.0%
ANIMALS (Other Animals)								
Mosquitoes, bugs, ticks	33	9.7%			1	0.1%	34	1.6%
Horse manure			1	0.1%	14	1.4%	15	0.7%
Snakes	5	1.5%	5	0.6%	1	0.1%	11	0.5%
Horses			4	0.5%	4	0.4%	8	0.4%
Smell of pigs	2	0.6%					2	0.1%
Blackbirds	1	0.3%					1	0.0%

Table D-2

Users' Top Three "Things Liked Least About Trail" (Cont'd)

RESPONSE	Heritage		St. Marks		Laf/Moraga		Combined	
	n	%	n	%	n	%	n	%
SETTING (Nature)								
Tall bushes, grass and weeds/Brush needs trimming	3	0.9%	2	0.3%	20	2.0%	25	1.2%
Not enough shade	3	0.9%	7	0.9%	10	1.0%	20	0.9%
Poison oak					6	0.6%	6	0.3%
Rainy days/Areas washed out after rain	6	1.8%					6	0.3%
Not enough nature/wildlife/flowers			3	0.4%	2	0.2%	5	0.2%
Weather	1	0.3%			3	0.3%	4	0.2%
Too many/wrong kind of trees			1	0.1%	2	0.2%	3	0.1%
Allergies in spring			1	0.1%	1	0.1%	2	0.1%
SETTING (Location)								
Too far from home/Hard to get there	14	4.1%	15	1.9%	5	0.5%	34	1.6%
Extend it to other destinations and other trails	3	0.9%	12	1.5%	2	0.2%	17	0.8%
Woodville			8	1.0%			8	0.4%
Too close to houses, backyards, farms	1	0.3%	3	0.4%	1	0.1%	5	0.2%
Access to camping	1	0.3%					1	0.0%
SETTING (Scenery)								
Rather dull after a few visits/Boring scenery sections	4	1.2%	17	2.2%	6	0.6%	27	1.3%
Developed/Unnatural areas	1	0.3%	8	1.0%	2	0.2%	11	0.5%
West end (Dyersville to Graf)	5	1.5%					5	0.2%
Took out neat bridge above Graf	1	0.3%					1	0.0%
SETTING (Miscellaneous)								
Adjacent road	2	0.6%	21	2.7%	5	0.5%	28	1.3%
Dust/Noise from adjacent road	2	0.6%	13	1.7%	4	0.4%	19	0.9%
Odor from sewage vent pipes					1	0.1%	1	0.0%
SAFETY (Roads)								
Too many road crossings/driveways	2	0.6%	37	4.8%	25	2.5%	64	3.0%
Dangerous crossings/Intersection traffic	2	0.6%	25	3.2%	9	0.9%	36	1.7%
No safe streets to get there/Inconsiderate drivers			4	0.5%			4	0.2%
SAFETY (Setting)								
Not safe enough to use alone/Unsafe areas/Brushy areas	1	0.3%	12	1.5%	6	0.6%	19	0.9%
Cat calls from locals/Undesirable locals			2	0.3%			2	0.1%
SAFETY (Miscellaneous)								
No lights at night/Unsafe in evenings			3	0.4%	10	1.0%	13	0.6%
Not enough security/Patrol inadequate			6	0.8%	1	0.1%	7	0.3%
Not enough others/Feel isolated sometimes/Too secluded	2	0.6%	1	0.1%	3	0.3%	6	0.3%
Drop off between Budd & Twin Springs/Need more safety rails	2	0.6%					2	0.1%
MANAGEMENT								
Poor maintenance of trail, shoulder, and parallel trail	4	1.2%	1	0.1%	20	2.0%	25	1.2%
Stopping at crossings/Stop signs			20	2.6%	4	0.4%	24	1.1%
Glass on trail			23	3.0%			23	1.1%
Trash, garbage, litter on trail	1	0.3%	11	1.4%	3	0.3%	15	0.7%
Horse trail inadequate			12	1.5%	2	0.2%	14	0.7%
No information stands/directions/maps			4	0.5%	4	0.4%	8	0.4%
Need more signs (about rules & courtesy)			3	0.4%	3	0.3%	6	0.3%
No interpretation of nature or history	2	0.6%	1	0.1%			3	0.1%
Some bridges need repair	2	0.6%			1	0.1%	3	0.1%
Fee	2	0.6%					2	0.1%
Road part not well-marked					2	0.2%	2	0.1%
Rangers/Overbearing rangers	1	0.3%			1	0.1%	2	0.1%
Management uncooperative (with landowners and horse people)	1	0.3%	1	0.1%			2	0.1%
Speed limits			1	0.1%			1	0.1%
Not plowed in winter	1	0.3%					1	0.1%
Chemical spraying					1	0.1%	1	0.1%
Rocks in path					1	0.1%	1	0.1%
New pine trees planted along trail					1	0.1%	1	0.1%
Too expensive to maintain			1	0.1%			1	0.1%
Need more limestone past Durango	1	0.3%					1	0.1%
"I do not dislike anything about the trail"	32	9.4%	32	4.1%	40	4.0%	104	4.4%
ILLEGAL ACTIVITIES-								
Motorcycles, dirt bikes, go carts, motorized vehicles	2	0.6%	5	0.6%			7	0.3%
Worried about crime/fire					2	0.2%	2	0.1%
Sabotage (thumbtacks on trail)					1	0.1%	1	0.1%
Vandalism			1	0.1%			1	0.1%
Someone with a gun	1	0.3%					1	0.1%
Totals	340	100.0%	778	100.0%	1010	100.0%	2128	100.0%

Owners' Top Three "Things Liked Best About Trail"

<u>Response</u>	<u>Heritage</u>		<u>St. Marks</u>		<u>Laf/Moraga</u>		<u>Combined</u>	
	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>	<u>n</u>	<u>%</u>
ACTIVITY								
Easy recreational/exercise access	34	27.6%	89	41.6%	222	47.5%	345	42.9%
I exercise more/Health			2	0.9%	16	3.4%	18	2.2%
Family outings	3	2.4%	4	1.9%	10	2.1%	17	2.1%
Good place to walk dog	1	0.8%			4	0.9%	5	0.6%
SETTING (Access)								
Easy trail access	19	15.4%	12	5.6%	38	8.1%	69	8.6%
Transportation/Commuting route			1	0.5%	40	8.6%	41	5.1%
SETTING (Nature)								
Natural beauty/Open space	2	1.6%	3	1.4%	46	9.9%	51	6.3%
Seeing wildlife/Wildlife habitat	2	1.6%	2	0.9%	3	0.6%	7	0.9%
Buffers development			1	0.5%	5	1.1%	6	0.7%
"There are no advantages"	41	33.3%	56	26.2%	17	3.6%	114	14.2%
TRAIL (Safety)								
Safe recreation area (esp. for kids)	6	4.9%	11	5.1%	34	7.3%	51	6.3%
TRAIL (Improved Area)								
Increased property values			3	1.4%	8	1.7%	11	1.4%
Trail construction cleaned area up	2	1.6%	4	1.9%			6	0.7%
Attracts good people to the area			2	0.9%			2	0.2%
Quieter than trains			1	0.5%			1	0.1%
They keep roads better now	1	0.8%					1	0.1%
Stopped motorized use			1	0.5%			1	0.1%
Gets bikers off road			1	0.5%			1	0.1%
TRAIL (Management)								
Area well kept	1	0.8%	2	0.9%	1	0.2%	4	0.5%
Free annual passes	2	1.6%					2	0.2%
They maintain my fences	2	1.6%					2	0.2%
It's their responsibility now, not mine			1	0.5%			1	0.1%
SOCIAL								
Seeing friendly users	1	0.8%	10	4.7%	10	2.1%	21	2.6%
Meeting friends there	2	1.6%	2	0.9%	12	2.6%	16	2.0%
Adds sense of community/Community pride			5	2.3%			5	0.6%
Nice for visitors	1	0.8%					1	0.1%
MISCELLANEOUS								
Tourism/Business development	2	1.6%	1	0.5%			3	0.4%
Preserves for future rail use	1	0.8%					1	0.1%
Easier to find my house					1	0.2%	1	0.1%
Totals	123	100.0%	214	100.0%	467	100.0%	804	100.0%

Owners' Top Three "Things Liked Least About Trail"

Response	Heritage		St. Marks		Laf/Moraga		Combined	
	n	%	n	%	n	%	n	%
"There are no disadvantages"	70	60.3%	113	66.9%	194	59.7%	377	61.8%
USERS (Noise)								
Noise	4	3.4%	3	1.8%	31	9.5%	38	6.2%
Noise wakes us up			2	1.2%	6	1.8%	8	1.3%
Loud snowmobiles	3	2.6%					3	0.5%
Night loitering/"Parties"					3	0.9%	3	0.5%
USERS (Congestion)								
More traffic on local road	8	6.9%	3	1.8%	7	2.2%	18	3.0%
Trail crowded/Trail traffic			4	2.4%	4	1.2%	8	1.3%
Parking along road congests it	2	1.7%			3	0.9%	5	0.8%
Attracts too many people			1	0.6%	1	0.3%	2	0.3%
USERS (Inconsiderate)								
Litter	1	0.9%	2	1.2%	4	1.2%	7	1.1%
Parking on my land/in front of house	1	0.9%			1	0.3%	2	0.3%
Rude/Fast bike riders					2	0.6%	2	0.3%
Some disrespectful people					1	0.3%	1	0.2%
USERS (Danger From/To Users)								
Danger of hitting users/They don't yield			3	1.8%			3	0.5%
Watching for users at crossings			1	0.6%	1	0.3%	2	0.3%
Use more care driving near it	1	0.9%					1	0.2%
Danger from car traffic (crossings)			1	0.6%			1	0.2%
Some bikers still use road			1	0.6%			1	0.2%
Unsafe bikers			1	0.6%			1	0.2%
Unsafe crossings					1	0.3%	1	0.2%
USERS (Miscellaneous)								
Loss of privacy	8	6.9%	10	5.9%	27	8.3%	45	7.4%
Loitering			6	3.6%			6	1.0%
Hunters	3	2.6%					3	0.5%
Tourists/Non-residents come			1	0.6%	1	0.3%	2	0.3%
Seeing trail users	1	0.9%					1	0.2%
FEAR OF CRIME								
Fear of burglary/vandalism/crime	2	1.7%	4	2.4%	13	4.0%	19	3.1%
Trespassers	1	0.9%	1	0.6%	2	0.6%	4	0.7%
Heard of crime problems					3	0.9%	3	0.5%
Drug sales					1	0.3%	1	0.2%
Concern about "strangers"					1	0.3%	1	0.2%
Feel less safe					1	0.3%	1	0.2%
ANIMALS								
My/neighbor's dog barks at users	1	0.9%	2	1.2%	2	0.6%	5	0.8%
Animals harassed			3	1.8%	2	0.6%	5	0.8%
Dogs off leashes					4	1.2%	4	0.7%
Dog manure					1	0.3%	1	0.2%
Horses trespassing			1	0.6%			1	0.2%
TRAIL (Affects My Land)								
Can't drive on it anymore to get cows	1	0.9%					1	0.2%
Sharing my driveway			1	0.6%			1	0.2%
Harder to access backyard now					1	0.3%	1	0.2%
Inconvenient to get to other field now	1	0.9%					1	0.2%
Loss of crop ground	1	0.9%					1	0.2%
Cuts field in two	1	0.9%					1	0.2%
Took more of my property than necessary			1	0.6%			1	0.2%
Took my land			1	0.6%			1	0.2%
TRAIL (Management)								
Needs better maintenance					2	0.6%	2	0.3%
Park police sometimes too zealous on trail					1	0.3%	1	0.2%
Costs our town some money	1	0.9%					1	0.2%
TRAIL (Safety)								
Fear of fire					1	0.3%	1	0.2%
Legal bills	1	0.9%					1	0.2%
Had to purchase more insurance	1	0.9%					1	0.2%
MISCELLANEOUS								
I miss the trains			2	1.2%			2	0.3%
Many	1	0.9%					1	0.2%
Need to keep my yard clean					1	0.3%	1	0.2%
Hard for me to access the trail					1	0.3%	1	0.2%
Dust from adjacent road			1	0.6%			1	0.2%
No hunting allowed	1	0.9%					1	0.2%
Drives wildlife away	1	0.9%					1	0.2%
Visual impact					1	0.3%	1	0.2%
Totals	116	100.0%	169	100.0%	325	100.0%	610	100.0%

Appendix E

Trail User Survey Instruments and Cover Letters

ON-SITE INTERVIEW FORM LAFAYETTE/MORAGA TRAIL

The managers of the Lafayette/Moraga Trail are interested in how people use this trail and what they think about it. Please take a few minutes and answer the following questions.

1. About how many miles is it from your home to where you got on the trail today? _____ One-way miles

2. *How long* did it take you to travel from your home to where you got on the trail today? _____

3. How did you travel from your home to where you got on the trail today? (Please check one)

___ Car, truck, van, motorcycle, etc.

___ Bicycle

___ Run, jog, or walk

___ Other (Please specify _____)

4. How long do you plan to be *on the trail* today? _____

IF ALONE, GO TO #7

5. *How many* people from each of the following age categories are in your group *on the trail* today? (Please include yourself and write *the numbers* in the spaces provided)

___ 15 and under

___ 46 to 55

___ 16 to 25

___ 56 to 65

___ 26 to 35

___ 66 and over

___ 36 to 45

6. How many people in your group (*excluding yourself*) are members of your immediate family? _____ People

7. Is your visit to this trail part of an overnight trip away from home? ___ Yes ___ No (IF "NO", GO TO #8)

a. How many days will you be away from home during this trip? _____ Days

b. During your stay, *how many nights* will you be using each of the following types of accommodations *in this area*? (Please write *number* in space provided.)

___ Hotel/motel

___ State campground

___ Private campground

___ Rented home or cottage

___ With friends or relatives

___ Other (Please specify _____)

c. Was visiting the Lafayette/Moraga Trail one of the reasons for your trip to this area?

___ yes (If "yes", was it the *primary* reason? ___ Yes ___ No)

___ no (If "no", what was the *primary* reason for this visit? _____)

8. On about how many different days did you visit the Lafayette/Moraga Trail during the *past twelve months*?n
_____ Days

9. What is your age? _____ Years

10. Trail managers and planners can better serve your interests if they understand your entire trail visit and experience. Therefore, we would very much like to send you a follow-up survey to complete at your convenience. Would you be willing to give us your name and address so we can mail you a follow-up survey?

NAME _____

ADDRESS _____

TO BE COMPLETED BY INTERVIEWER

OBSERVE AND RECORD THE FOLLOWING FOR *EACH* USER SELECTED (EVEN REFUSALS):

Sex: Male Female

Type of use: ☐ Walking
☐ Running/Jogging
☐ Bicycling
☐ Horseback riding
☐ Other (Specify _____)

Date _____ Day-of-week (Circle one) SU M T W TR F ST

Time period when interview took place (Circle one):

6-9 9-NOON NOON-3 3-6 6-9 PM

	East End				West End
Trail section (Circle one):	1	2	3	4	5

Weather (Circle one): Sunny Partly Sunny Cloudy Rain

Approximate temperature _____

Interviewer name _____

Interviewer comments:



Dear Lafayette/Moraga Trail user,

Recently you visited the Lafayette/Moraga Trail. At that time we contacted you and a small number of other randomly-selected trail users and asked for details about your trip. The information you provided is presently being analyzed for inclusion in a report to the East Bay Regional Park District and the National Park Service. The National Park Service is sponsoring this study and ones like it on two other trails across the country. The purpose of these studies is to determine what makes trails successful and to gain a better understanding of how and why people use them. This part of the study is being conducted by Pennsylvania State University in cooperation with the East Bay Regional Park District.

Enclosed is the follow-up survey to the short form you completed on the trail. Thank you for agreeing to receive it. Your participation is voluntary. In order that the results will truly represent the thinking of all Lafayette/Moraga Trail users, however, it is important that each survey be completed and returned to us. Please take the time to answer the questions. We have provided a stamped, addressed envelope for your convenience.

All your responses are confidential, only statistical totals of answers will ever be published. Each survey has an identification number for mailing purposes only. When you return your survey to us, we will use the number to remove your name from our mailing list so that you do not receive any follow-up mailings.

The results of this survey, like the information you already gave us in the field, will be used by the East Bay Regional Park District and the National Park Service to help trail managers and planners to better serve trail users and to plan for future trail developments.

We would be happy to answer any questions you might have. Please write or call. The telephone number is (814) 865-1851.

Thank you for your assistance.

Sincerely,

Alan R. Graefe
Associate Professor

Roger L. Moore
Project Coordinator

OMB# 10240053; Expires 2/28/91 The estimated time required to complete this survey is twelve minutes.

1990 LAFAYETTE/MORAGA TRAIL SURVEY

Thank you very much for agreeing to participate in this follow-up survey about the Lafayette/Moraga Trail and the people who use it. The results of this study will help trail managers and planners to better serve trail users and to plan for future trail developments.

Your participation in this survey is voluntary. There are no penalties for not answering some or all of the questions, but since each randomly selected person will represent many other trail users who were not surveyed, your cooperation is extremely important. All your responses are confidential and when the mailing procedures are completed, all files containing names and addresses will be destroyed.

Since this is a follow-up to the short survey you completed on the trail, several questions refer to the *particular trip you took that day*. Other questions relate to your trail use in general and your trail and activity preferences. Please read the instructions at the beginning of each section.

PLEASE NOTE: It is very important that the person who is listed on the address label fill out this survey.

PART I. In this section we would like to learn more about YOUR LAFAYETTE/MORAGA TRAIL VISIT on the *day you were interviewed*. Please answer these questions in terms of that trip only.

1. What activity were you engaged in while on the trail? (Check one)

- ☐ Walking
- ☐ Running/jogging
- ☐ Bicycling
- ☐ Horseback riding
- ☐ Other (please specify _____)

2. Approximately how long were you on the trail that day? _____

3. Was this your *first* visit to the trail? ☐ Yes ☐ No

4. Please describe *why* you decided to visit the Lafayette/Moraga Trail that day.

5. If the Lafayette/Moraga Trail had not been available on the day you were interviewed, what would you have done? (Check one)

☐ Participated in the same activity somewhere else

☐ Done something different

If so, where? (Check one)

- ☐ Another trail (which one? _____)
- ☐ Sidewalks or public roads
- ☐ Other (Please specify _____)

If so what? _____

Where? _____

6. On this trip, which of the following best describes how you handled your expenses from the time you left home until you returned there? (check one)

- ☐ I paid all of my *own expenses* and no one else's.
- ☐ My group *shared* some or all expenses (members made some purchases *for one another*)
(*how many* in the group were 16 years old or older? ☐)
(*how many* in the group were under 16 years old? ☐)
- ☐ Someone else paid all my expenses (if so, go to Part II).
- ☐ My group had *no* expenses associated with this trip at all (if so, go to Part II).

Please include *all* the expenses associated *with that particular trip* from your preparations before leaving home up to your return home. Please indicate where the expenditures took place by recording the amounts in the appropriate columns. Refer to the map on the facing page to help determine what is included in the local county.

	Contra Costa County	<i>AMOUNT SPENT IN:</i> Other Parts of California	Outside of California
ESTIMATED AMOUNT SPENT FOR:			
a. Restaurants (including fast food, sit down, etc.)	_____	_____	_____
b. Food and beverage in retail stores	_____	_____	_____
c. Lodging expenses:			
hotel/motel	_____	_____	_____
camping	_____	_____	_____
other	_____	_____	_____
d. Retail purchases <i>during</i> trip (personal items, souvenirs, etc.) <i>excluding</i> durable purchases such as equipment	_____	_____	_____
e. Auto expenses:			
gas and oil	_____	_____	_____
repairs and service	_____	_____	_____
parking and tolls	_____	_____	_____
f. Other Transportation Costs:			
airfare and busfare	_____	_____	_____
public transit, taxis, etc.	_____	_____	_____
g. Film and Developing	_____	_____	_____
h. Fees for other attractions/entertainment	_____	_____	_____
i. All other expenses <i>for this trip</i> (program fees, licenses, rental fees for bikes, horses, etc.) please specify			
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

PART II. In this section we would like to know about your opinions of the LAFAYETTE/MORAGA TRAIL and its management.

1. Please estimate when you *first visited* the Lafayette/Moraga Trail. _____ Month _____ Year

2. How did you find out about the Lafayette/Moraga Trail? (check one)

- ☐ Word-of-mouth (from friends or others)
☐ Newspaper article
☐ Magazine article
☐ I just happened to see it
☐ Other (please specify) _____

3. Overall, how satisfied are you with the Lafayette/Moraga Trail? (Circle *one* number)

VERY UNSATISFIED							VERY SATISFIED
1	2	3	4	5	6	7	

4. What things do you like *best* about the Lafayette/Moraga Trail?

5. What things do you like *least* about the Lafayette/Moraga Trail?

6. To what extent do you feel the following items are problems on the Lafayette/Moraga Trail? (Circle one number for *each* item)

	NOT A PROBLEM					MAJOR PROBLEM	
	1	2	3	4	5	6	7
a. Too crowded	1	2	3	4	5	6	7
b. Conflicts with other activities	1	2	3	4	5	6	7
c. Reckless behavior of trail users	1	2	3	4	5	6	7
d. Inadequate ranger/safety patrols	1	2	3	4	5	6	7
e. Rough trail surface	1	2	3	4	5	6	7
f. Narrow trail width	1	2	3	4	5	6	7
g. Traffic barriers	1	2	3	4	5	6	7
h. Pets off leashes	1	2	3	4	5	6	7
i. Litter and glass	1	2	3	4	5	6	7
j. Dangerous road intersections	1	2	3	4	5	6	7
k. Trail vandalism	1	2	3	4	5	6	7
l. Personal safety	1	2	3	4	5	6	7
m. Lack of restrooms	1	2	3	4	5	6	7
n. Lack of drinking water	1	2	3	4	5	6	7
o. Lack of trail direction signs	1	2	3	4	5	6	7
p. Not enough access points	1	2	3	4	5	6	7
q. Not enough parking at access points	1	2	3	4	5	6	7
r. Lack of information to plan visits	1	2	3	4	5	6	7
s. Lack of services (food and drink, bike repair, etc)	1	2	3	4	5	6	7
t. other? (please specify)	1	2	3	4	5	6	7
_____	1	2	3	4	5	6	7

7. Which *one* item listed above do you feel is the most important problem on the Lafayette/Moraga Trail? Letter _____

PART III. In this section we are interested in YOUR TRAIL PREFERENCES.

Listed below are some of the characteristics that many people consider desirable for trails like the Lafayette/Mo. Please consider each characteristic and *circle the number* that best indicates how important it is to you.

	NOT AT ALL IMPORTANT				EXTREMELY IMPORTANT			
Characteristic:								
1. level grades	1	2	3	4	5	6	7	
2. natural surroundings	1	2	3	4	5	6	7	
3. quiet settings	1	2	3	4	5	6	7	
4. historic interest	1	2	3	4	5	6	7	
5. trees for shade	1	2	3	4	5	6	7	
6. wildlife and birds	1	2	3	4	5	6	7	
7. long straight sections	1	2	3	4	5	6	7	
8. points of interest	1	2	3	4	5	6	7	
9. occasional curves	1	2	3	4	5	6	7	
10. safe crossings at roads, streams, etc.	1	2	3	4	5	6	7	
11. no motorized vehicles	1	2	3	4	5	6	7	
12. smooth trail surfaces	1	2	3	4	5	6	7	
13. good maintenance	1	2	3	4	5	6	7	
14. places to buy food and drink	1	2	3	4	5	6	7	
15. parking facilities	1	2	3	4	5	6	7	
16. no crowds	1	2	3	4	5	6	7	
17. many different activities allowed	1	2	3	4	5	6	7	
18. wide enough to travel beside others	1	2	3	4	5	6	7	
19. ranger/safety patrols	1	2	3	4	5	6	7	
20. maps, directional signs and trail information	1	2	3	4	5	6	7	
21. conveniently located	1	2	3	4	5	6	7	
22. varied surroundings	1	2	3	4	5	6	7	
23. drinking water and toilet facilities	1	2	3	4	5	6	7	
24. signs and information on historic and natural features	1	2	3	4	5	6	7	
25. benches for resting	1	2	3	4	5	6	7	
26. challenging settings	1	2	3	4	5	6	7	
27. access to places I want to travel or commute to	1	2	3	4	5	6	7	
28. other? (please specify)	1	2	3	4	5	6	7	

Which three items listed above are the *most important* things you consider when you are deciding which trail to

- a. *Most* important # _____
 b. *Second* most important # _____
 c. *Third* most important # _____

PART IV. In this section we would like to know, more about YOUR TRAIL ACTIVITIES. Please answer these questions in terms of the *activity* (for example, walking, running, bicycling, etc.) you were engaged in at the *time you were interviewed*.

1. On about how many different days during the last *twelve months* did you participate in this *activity*? _____ Days

2. How would you *rate yourself* as a participant in this activity? (*circle one*)

NOVICE

1

2

3

4

5

6

EXPERT

7

3. How important is this *activity* to you? (*circle one*)

NOT AT ALL
IMPORTANT

1

2

3

4

5

6

EXTREMELY
IMPORTANT

7

4. How important is the Lafayette/Moraga Trail to your participation *in this activity*?

NOT AT ALL
IMPORTANT

1

2

3

4

5

6

EXTREMELY
IMPORTANT

7

5. During the last twelve months, what **PERCENTAGE OF THE TOTAL DAYS** you participated in each of the following activities took place *on the Lafayette/Moraga Trail*? (if you did not participate in a particular activity, please mark an "X")

____ % Walking

____ % Running

____ % Bicycling

____ % Horseback riding

____ % Other activity (please Specify _____)

6. Please list any expenditures you made related to this activity during the *last twelve months* if the decision to buy the item was *influenced* by the existence of the Lafayette/Moraga Trail. Only include expenditures for *durable items* that are used for more than one trip and *do not include* items you already accounted for in Part One related to your specific trip.

AMOUNT YOU SPENT IN:

ESTIMATED AMOUNT SPENT FOR:

a. Clothing (clothing, shoes, boots, hats, etc.)

Contra
Costa
County

Other
Parts of
California

Outside
of
California

b. Equipment (bikes, horse trailers, horses, etc.)

c. Accessories (bike racks, water bottles, helmets, radios, spare parts, cameras, saddles, etc.)

d. Books, guides, maps, etc.

e. Memberships/subscriptions, program fees, etc.

f. Other expenditures for durables (Please specify):

PART V. We are now interested in your feelings about the OVERALL IMPORTANCE AND VALUE OF THE LAFAYETTE/MORAGA TRAIL.

1. Please *circle one number* for each of the following statements that best describes your feelings about the Lafayette/Moraga Trail.

	STRONGLY DISAGREE	DISAGREE	NEUTRAL	AGREE	STRONGLY AGREE
a. I would prefer to spend more time here if I could	1	2	3	4	5
b. I wouldn't substitute any other area for doing the type of things I do here	1	2	3	4	5
c. The time I spend here could just as easily be spent somewhere else	1	2	3	4	5
d. I get more satisfaction out of visiting this trail than from visiting any other	1	2	3	4	5
e. The things I do here I would enjoy just as much at another site	1	2	3	4	5
f. One of the major reasons I now live where I do is that this trail is nearby	1	2	3	4	5
g. I identify strongly with this trail	1	2	3	4	5
h. This trail is the best place for what I like to do	1	2	3	4	5
i. I am very attached to this trail	1	2	3	4	5
j. I find that a lot of my life is organized around this trail	1	2	3	4	5
k. I enjoy doing the type of things I do here more than in any other area	1	2	3	4	5
l. This trail means a lot to me	1	2	3	4	5
m. No other trail can compare to this one	1	2	3	4	5
n. I feel no commitment to this trail	1	2	3	4	5
o. Doing what I do here is more important to me than doing it in any other place	1	2	3	4	5

2. Here is a list of broader public benefits the Lafayette/Moraga Trail might have *for its surrounding community*. Please circle the number that best indicates how important you feel the Lafayette/Moraga Trail is in providing *each* benefit listed.

Benefit:	NOT AT ALL IMPORTANT				EXTREMELY IMPORTANT		
	1	2	3	4	5	6	7
a. Preserving undeveloped open space	1	2	3	4	5	6	7
b. Aesthetic beauty	1	2	3	4	5	6	7
c. Community pride	1	2	3	4	5	6	7
d. Tourism and business development	1	2	3	4	5	6	7
e. Traffic reduction and transportation alternatives	1	2	3	4	5	6	7
f. Health and fitness	1	2	3	4	5	6	7
g. Access for disabled persons	1	2	3	4	5	6	7
h. Public recreation opportunities	1	2	3	4	5	6	7
i. Public education about nature and the environment	1	2	3	4	5	6	7
j. Other (please specify _____)	1	2	3	4	5	6	7

3. Imagine that the *only* way to use the Lafayette/Moraga Trail is to buy an annual pass. Imagine that passes are *required* for every individual twelve years old and older and that pass holders may use the trail as many times as they wish during the year.

Would you be *willing to pay* \$ _____ for an annual pass for next year?

- ☐ No (Go to Question #4)
☐ Yes (Go to Part VI)

4. Would you be *willing to pay* \$ _____ for an annual pass for next year?

- ☐ No (Go to Question #5)
☐ Yes (Go to Part VI)

5. Why wouldn't you buy a pass at that price? (Check one)

- ☐ I don't use the trail enough to justify buying a pass
☐ There are many other trails to use besides this one
☐ I can't afford to buy a pass
☐ It is unfair to ask people to pay for a pass
☐ Other (Please specify _____)

PART VI. In this section we are interested in VISITOR INFORMATION that will help us to better understand the characteristics of the users of the Lafayette/Moraga Trail and to make predictions about future trail use. All answers will be reported only as overall averages.

1. Do you have a disability or handicap? ☐ No ☐ Yes (If "Yes", please check all that apply)

- ☐ Hearing impaired
- ☐ Visually impaired
- ☐ Mobility impaired (Do you use a wheelchair? ☐ No ☐ Yes)
- ☐ Mentally or learning impaired
- ☐ Other (Please specify _____)

2. To what race or ethnic group do you belong? (Check one)

- ☐ American Indian or Alaskan Native
- ☐ Asian or Pacific Islander
- ☐ Black, not of Hispanic origin
- ☐ Hispanic
- ☐ White, not of Hispanic origin
- ☐ Other (Please specify _____)

3. What is the highest educational level you have attained? (Check one)

- ☐ Grade or elementary
- ☐ Some high school
- ☐ high school diploma
- ☐ Some business or technical
- ☐ Some college
- ☐ Graduate of college
- ☐ Some graduate work
- ☐ Master's degree
- ☐ Doctoral or professional degree

4. What is your present or most recent *occupation*? (Include retired and homemaker if applicable)

5. Which of the following best describes your total *household* income in 1989?

- ☐ under \$20,000
- ☐ \$20,000 to \$39,999
- ☐ \$40,000 to \$59,999
- ☐ \$60,000 to \$79,999
- ☐ \$80,000 or above

6. What is your age? _____ Years

7. What is your sex? (Check one) ☐ Female ☐ Male

Please use this space for any *additional comments* about the Lafayette/Moraga Trail, your trail experience or for any suggestions you might have for improving the trail or its management.

Thank you for your help!

Please send us this completed questionnaire in the self-addressed envelope provided. No stamp is needed. Just drop it in any convenient mailbox.

Reminder #1 (Post Card)

Dear Lafayette/Moraga Trail user,

Last week a survey related to your experience on the Lafayette/Moraga Trail was mailed to you. If you have already completed and returned it to us, please accept our sincere thanks. If not, please do so right away. The survey has been sent to only a small number of Lafayette/Moraga Trail users. If the results are to accurately represent the experiences of trail users, it is extremely important that yours be included in the study.

Thanks again for your help and cooperation.

Sincerely,

**Alan R. Graefe
Associate Professor**

**Roger L. Moore
Project Coordinator**

PENNSTATE



Department of Leisure Studies
College of Health and Human Development

(814) 865-1851

203 Henderson Building South
The Pennsylvania State University
University Park, PA 16802

Dear Lafayette/Moraga Trail user,

About three weeks ago, we sent you a survey about your visit to the Lafayette/Moraga Trail. If you have already completed the survey, we thank you for your prompt response. If you have not, would you please take the time to do so today? It should only take you about 12 minutes.

The purpose of the study is to gather user opinions and trail use information to help managers to better serve trail users. The information you provide will be used by the East Bay Regional Park District and the National Park Service.

We are writing to you again because of the significance each survey has to the usefulness of the study. Your answers are very important because they represent many trail users who were not included in the study. Remember, all responses will be summarized and reported as overall averages and your answers will be confidential.

A copy of the survey and reply envelope are enclosed in case you did not receive or have misplaced the original materials we sent you. Once you have completed the survey, use the envelope provided and drop it in any mailbox; you need not add any postage.

Your cooperation is greatly appreciated.

Sincerely,

Alan R. Graefe
Associate Professor

Roger L. Moore
Project Coordinator



Dear Lafayette/Moraga Trail user,

Several weeks ago we wrote to you seeking your opinions about the Lafayette/Moraga Trail and its management. As of today, we have not received your completed survey.

The large number of surveys returned is encouraging. But, whether we will be able to accurately describe how trail users feel about the trail and its management depends upon you and the others who have not yet responded.

This is the first study of this type that has been conducted on the Lafayette/Moraga Trail. Therefore, the results are particularly important to the many citizens and planners who are currently working on improving the Lafayette/Moraga Trail and developing others like it across the state.

In case our original correspondence did not reach you or was misplaced, a replacement survey and reply envelope are enclosed. May we urge you to complete and return it to us as quickly as possible.

Thank you again for your contribution to the success of this study.

Sincerely,

Alan R. Graefe
Associate Professor

Roger L. Moore
Project Coordinator

LAFAYETTE-MORAGA TRAIL USER COUNT SHEET

Date _____ Day Of Week (circle one): SU M T W TR F ST

Weather (circle one): Sunny Partly Sunny Cloudy Rain

Temperature _____

Patroller Name _____

OLYMPIC STAGING EAST Time _____ In-state cars _____

Out-of-state cars (specify state and count) _____

OLYMPIC STAGING WEST In-state cars _____

Out-of-state cars (specify state and count) _____

	Bike	Walk	Run	Horseback	Other (Specify)
<i>Adults</i> (16 and over) _____					
<i>Seniors</i> (65 and up) _____					
<i>Minors</i> (15 and under) _____					
<u><i>Kids</i></u> in strollers, seats, etc. _____					

GLENSIDE DRIVE Time _____ In-state cars _____
(at Arroyo Court)

Out-of-state cars (specify state and count) _____

	Bike	Walk	Run	Horseback	Other (Specify)
<i>Adults</i> (16 and over) _____					
<i>Seniors</i> (65 and up) _____					
<i>Minors</i> (15 and under) _____					
<u><i>Kids</i></u> in strollers, seats, etc. _____					

SOUTH LUCILLE LANE

Time _____

In-state cars _____

Out-of-state cars (specify state and count) _____

	Bike	Walk	Run	Horseback	Other (Specify)
<i>Adults</i> (16 and over) _____					
<i>Seniors</i> (65 and up) _____					
<i>Minors</i> (15 and under) _____					
<i>Kids</i> in strollers, seats, etc. _____					

ST. MARYS

Time _____

In-state cars _____

Out-of-state cars (specify state and count) _____

	Bike	Walk	Run	Horseback	Other (Specify)
<i>Adults</i> (16 and over) _____					
<i>Seniors</i> (65 and up) _____					
<i>Minors</i> (15 and under) _____					
<i>Kids</i> in strollers, seats, etc. _____					

MORAGA COMMONS EAST

Time _____

In-state cars _____

Out-of-state cars (specify state and count) _____

MORAGA COMMONS WEST

In-state cars _____

Out-of-state cars (specify state and count) _____

	Bike	Walk	Run	Horseback	Other (Specify)
<i>Adults</i> (16 and over) _____					
<i>Seniors</i> (65 and up) _____					
<i>Minors</i> (15 and under) _____					
<i>Kids</i> in strollers, seats, etc. _____					

VALLE VISTA

Time _____

In-state cars _____

Out-of-state cars (specify state and count) _____

HERITAGE TRAIL USER COUNT SHEET

Date_____ Day Of Week (Circle one): SU M T W TR F ST

Weather: Sunny___ Partly Sunny___ Cloudy___ Rain___ Snow___

Temperature_____

Patroller Name_____

Daily permits *sold* to noncompliers during this pass. _____

Users with no pass but no money with them to buy one. _____

SAGEVILLE Time_____ Dubuque County cars_____ Other Iowa cars_____

Out-of-state cars (specify state and count)_____

	Bike	Walk	Run	Ski	Snow Mobile	Other (Specify)
<i>Annual Permits:</i>						
Adults (16 and over)_____						
12 to 15 year-olds_____						
<i>Daily Permits:</i>						
Adults (16 and over)_____						
12 to 15 year-olds_____						
<i>Seniors (65 and up)</i> _____						
<i>Children (under 12)</i> _____						

DURANGO Time_____ Dubuque County cars_____ Other Iowa cars_____

Out-of-state cars (specify state and count)_____

(BUDD ROAD: In-County cars_____ Other Iowa cars_____ Out-of-state_____)

	Bike	Walk	Run	Ski	Snow Mobile	Other (Specify)
<i>Annual Permits:</i>						
Adults (16 and over)_____						
12 to 15 year-olds_____						
<i>Daily Permits:</i>						
Adults (16 and over)_____						
12 to 15 year-olds_____						
<i>Seniors (65 and up)</i> _____						
<i>Children (under 12)</i> _____						

BERT THOMAS ROAD Time _____
(MILE POST 6)

	Bike	Walk	Run	Horseback*	Other (Specify)
<i>Adults</i> (16 and over)					
<i>Seniors</i> (65 and up)					
<i>Minors</i> (15 and under)					

ROUTE 267 Time _____ Leon and Wakulla County cars _____

Florida cars (other counties) _____ FL (county unknown) _____

Out-of-state cars (specify state and count) _____

	Bike	Walk	Run	Horseback*	Other (Specify)
<i>Adults</i> (16 and over)					
<i>Seniors</i> (65 and up)					
<i>Minors</i> (15 and under)					

U.S. ROUTE 98 Time _____ Leon and Wakulla County cars _____
(OLIN PLANT)

Florida cars (other counties) _____ FL (county unknown) _____

Out-of-state cars (specify state and count) _____

	Bike	Walk	Run	Horseback*	Other (Specify)
<i>Adults</i> (16 and over)					
<i>Seniors</i> (65 and up)					
<i>Minors</i> (15 and under)					

POSEY'S (South End) Time _____

Bikes at Posey's _____

Horses at Posey's _____

Appendix F

Trail Neighbor Survey Instruments and Cover Letters



December, 1990

Dear Neighbor of the Lafayette/Moraga Trail,

Your opinions about the Lafayette/Moraga Trail are of nationwide importance. The National Park Service and Penn State University are conducting a study of how public trails affect nearby residents and their property. The study is being carried out in cooperation with the East Bay Regional Park District and involves three trails across the country. The results will be used to improve the Lafayette Moraga Trail and to make future trails in California and across the nation better neighbors. Your name was selected at random from all property owners near the Lafayette/Moraga Trail to participate in this important study.

Enclosed is a short survey about your feelings toward the Lafayette/Moraga Trail. Your participation is voluntary. In order that the results will truly represent the thinking of all Lafayette/Moraga Trail neighbors, however, it is important that each survey be completed and returned to us. Please take the time to answer the questions. We have provided a stamped, addressed envelope for your convenience.

All your responses are confidential and only statistical totals of answers will ever be published. Each survey has an identification number for mailing purposes only. When you return your survey to us, we will use the number to remove your name from our mailing list so that you do not receive any follow-up mailings.

We would be happy to answer any questions you might have. Please write or call. The telephone number is (814) 865-1851.

Thank you for your assistance.

Sincerely,

Alan R. Graefe
Associate Professor

Roger L. Moore
Project Coordinator

OMB# 10240066; Expires 3/30/91

1990/91 LAFAYETTE/MORAGA TRAIL TRAIL NEIGHBOR SURVEY

This is a study of how the Lafayette/Moraga Trail affects nearby residents and their property. The results will be used to help make the Lafayette/Moraga Trail a better neighbor and to better represent landowner concerns in planning future trails nationwide.

Your participation in this survey is voluntary, but since each randomly selected property owner will be representing others who were not surveyed, your cooperation is extremely important. All your responses are confidential and all files containing names and addresses will be destroyed when the mailing procedures are completed.

Please refer to your property near or adjacent to the Lafayette/Moraga Trail when answering the following questions.

PART I YOUR PROPERTY AND THE LAFAYETTE/MORAGA TRAIL

1. Is there a house or other dwelling on the property you own near the Lafayette/Moraga Trail?

- ☐ Yes
☐ No (If "No", go to question #5)

2. Which of the following most accurately describes how you use this house? (Check one)

- ☐ It is my principal residence
☐ It is my second home (If "Yes, when do you reside there? _____)
☐ I rent it to a tenant
☐ It is unoccupied
☐ Other (Please describe _____)

3. About how *far* is the *house* from the nearest part of the Lafayette/Moraga Trail?

_____ Feet OR _____ Miles

4. Which part of the house *faces* the trail?

- ☐ Front
☐ Back
☐ Side

5. About how large is your property?

_____ Acres OR _____ Square Feet

6. How is your property used? (Check *all* that apply)

- ☐ Residential
☐ Commercial
☐ Cropland
☐ Pasture
☐ Undeveloped
☐ Other (please specify _____)

7. During *what year* did you buy this property? _____

8. Where is the Lafayette/Moraga Trail in relation to your property? (Check *one*)

- ☐ The trail runs *through* my property
☐ The trail runs *along the edge* of my property
☐ The trail is near my property but not touching it
☐ Don't know

PART II YOUR OPINIONS ABOUT THE LAFAYETTE/MORAGA TRAIL

1. Here is a list of broader public benefits the Lafayette/Moraga Trail might have *for its surrounding community*. Please circle the number that best indicates how important you feel the Lafayette/Moraga Trail is in providing *each* benefit listed.

Benefit:	NOT AT ALL IMPORTANT					EXTREMELY IMPORTANT		
	1	2	3	4	5	6	7	
Preserving undeveloped open space	1	2	3	4	5	6	7	
Aesthetic beauty	1	2	3	4	5	6	7	
Community pride	1	2	3	4	5	6	7	
Tourism and business development	1	2	3	4	5	6	7	
Traffic reduction/transportation alternatives	1	2	3	4	5	6	7	
Health and fitness	1	2	3	4	5	6	7	
Access for disabled persons	1	2	3	4	5	6	7	
Public recreation opportunities	1	2	3	4	5	6	7	
Public education about nature/environment	1	2	3	4	5	6	7	
Other (please specify _____)	1	2	3	4	5	6	7	

2. How many times have you *experienced* each of the following problems as a result of the Lafayette/Moraga Trail and its users during the *past twelve months*? (Please indicate the *number of times* after each statement. If no such problem in last twelve months use a "0".)

	Times during past 12 months				
Illegal motor vehicles/motorcycles use	_____	"	"	"	"
Litter on/near my property	_____	"	"	"	"
Loitering on/near the trail	_____	"	"	"	"
Trespassing onto my property	_____	"	"	"	"
Users harass my animals	_____	"	"	"	"
Vandalism of my property	_____	"	"	"	"
Cars parking on/near my property	_____	"	"	"	"
Trail affects drainage on/near my property	_____	"	"	"	"
Dog manure on/near my property	_____	"	"	"	"
Fruit/vegetables/crops get picked or damaged	_____	"	"	"	"
Users ask to use phone, bathroom, etc.	_____	"	"	"	"
Unleashed and roaming pets	_____	"	"	"	"
Noise from trail	_____	"	"	"	"
Burglary of my property	_____	"	"	"	"
Discourteous, rude users	_____	"	"	"	"
Lack of trail maintenance	_____	"	"	"	"
Loss of privacy	_____	"	"	"	"
Other (Specify _____)	_____	"	"	"	"
Other (Specify _____)	_____	"	"	"	"

3. What are the advantages to you of living near the Lafayette/Moraga Trail?

4. What are the disadvantages to you of living near the Lafayette/Moraga Trail?

5. If you were to try to sell this property, do you think being near the trail would make it *harder* or *easier* to sell?

Much
Easier
to Sell

Much
Harder
to Sell

1

2

3

4

5

6

7

6. How do you think being located near the Lafayette/Moraga Trail has affected the *resale value* of this property? (Check *one*)

☐ The trail has *lowered* the resale value of my property.

☐ The trail has *increased* the resale value of my property.

☐ The trail has had *no effect* on the resale value of my property. (If so, GO TO #10)

7. By *how many percent* do you think being near the trail has raised or lowered the value of this property?

_____ %

8. How confident are you of the accuracy of this estimate?

Very
Confident

Not at all
Confident

1

2

3

4

5

6

7

9. What experience or evidence makes you feel the property value has been affected in this way?

10. Overall, how satisfied are you with having the Lafayette/Moraga Trail as a neighbor?

Very
Satisfied

Very
Unsatisfied

1

2

3

4

5

6

7

11. Compare your *initial reaction* to the idea of living near the Lafayette/Moraga Trail to how you feel about living near the trail today. Would you say that living near the trail is better or worse than you *expected* it to be?

Much Better
Than I Expected

Much Worse
Than I Expected

1

2

3

4

5

6

7

12. How do you feel the trail has affected the quality of your neighborhood?

Improved
Quality of
Neighborhood

Worsened
Quality of
Neighborhood

1

2

3

4

5

6

7

PART III CHANGES SINCE THE LAFAYETTE/MORAGA TRAIL WAS OPENED

1. Did you buy this property *before* the Lafayette/Moraga Trail was opened?

___ No

How did the presence of the trail affect your decision to buy the property?

Added
to Property's
Appeal

Detracted
from Property's
Appeal

1

2

3

4

5

6

7

GO TO PART IV

___ Yes

2. The Lafayette/Moraga Trail was created on the right-of-way (R.O.W.) of an abandoned railroad line. *Compared to before the trail was opened*, how has each of the following changed? (Circle one number for *each* statement)

	Much Less of a Problem Now					Much More of a Problem Now	
Illegal motor vehicle/motorcycles use	1	2	3	4	5	6	7
Litter on/near my property	1	2	3	4	5	6	7
Loitering on/near the trail	1	2	3	4	5	6	7
Trespassing onto my property	1	2	3	4	5	6	7
Users harass my animals	1	2	3	4	5	6	7
Vandalism of my property	1	2	3	4	5	6	7
Cars parking on/near my property	1	2	3	4	5	6	7
Trail affects drainage on/near my property	1	2	3	4	5	6	7
Dog manure on/near my property	1	2	3	4	5	6	7
Fruit/vegetables/crops get picked or damaged	1	2	3	4	5	6	7
Users ask to use phone, bathroom, etc.	1	2	3	4	5	6	7
Unleashed and roaming pets	1	2	3	4	5	6	7
Noise from trail	1	2	3	4	5	6	7
Burglary of my property	1	2	3	4	5	6	7
Discourteous, rude users	1	2	3	4	5	6	7
Lack of trail maintenance	1	2	3	4	5	6	7
Loss of privacy	1	2	3	4	5	6	7
Other (Specify _____)	1	2	3	4	5	6	7
Other (Specify _____)	1	2	3	4	5	6	7

3. When you first found out there was going to be a trail near your property, how did you feel about the idea?

Very Supportive
of New Trail

1 2 3 4 5 6 7

Very Opposed
to New Trail

4. Overall, would you say living near the Lafayette/Moraga Trail is better or worse than living near the right-of-way before it was converted into a trail?

Much Better
Than Before

1 2 3 4 5 6 7

Much Worse
Than Before

PART IV ABOUT YOU AND YOUR HOUSEHOLD

1. *How many* people from each of the following age categories are there in your household? (Please *include yourself* and write the *numbers* in the spaces provided)

___ 15 and under
___ 16 to 65
___ 66 and over

2. How many members of your household from each of the following age categories have used the Lafayette/Moraga Trail during the last twelve months? (Please *include yourself* and write the *numbers* in the spaces provided)

___ 15 and under
___ 16 to 65
___ 66 and over

(If no one used the trail, GO TO #4)

3. On about how many *different days during the last twelve months* did any member of your household use the Lafayette/Moraga Trail?

___ Days (Out of the last 365 days)

4. What is your sex?

___ Male ___ Female

5. What is your age? ___ Years

PART V YOUR RECOMMENDATIONS AND COMMENTS

1. What recommendations do you have for improving the management of the Lafayette/Moraga Trail that would make it a better neighbor for you?

2. In planning a trail, what issues should planners pay attention to so that trails are good neighbors from the start?

3. Based on your experience with the Lafayette/Moraga Trail, what would you tell adjacent and nearby landowners to a proposed trail ?

Please use this space for any other comments you might have about the Lafayette/Moraga Trail or its management.

THANK YOU FOR YOUR HELP!

Please send us this completed survey in the self-addressed envelope provided. No stamp is needed. Just drop it in any convenient mailbox.

Reminder #1 (Post Card)

Dear Neighbor of the Lafayette/Moraga Trail,

Last week a survey related to your experience as a landowner near the Lafayette/Moraga Trail was mailed to you. If you have already completed and returned it to us, please accept our sincere thanks. If not, please do so right away. The survey has been sent to only a random sample of landowners along the trail. If the results are to accurately represent the experiences of trail neighbors, it is extremely important that yours be included in the study.

Thanks again for your help and cooperation.

Sincerely,

**Alan R. Graefe
Associate Professor**

**Roger L. Moore
Project Coordinator**



February, 1991

Dear Neighbor of the Lafayette/Moraga Trail,

About three weeks ago, we sent you a survey about what it is like living near the Lafayette/Moraga Trail. If you have already completed the survey, we thank you for your prompt response. If you have not, would you please take the time to do so today? It should take you less than ten minutes.

The purpose of the study is to better understand landowner concerns and opinions about nearby trails. The information you provide will be used by the East Bay Regional Park District and the National Park Service to make the Lafayette/Moraga Trail a better neighbor and to improve trail planning nationwide.

We are writing to you again because of the significance each survey has to the usefulness of the study. Your answers are very important because they represent other landowners who were not included in the study. Remember, all responses will be summarized and reported as overall averages and your answers will be confidential.

A copy of the survey and reply envelope are enclosed in case you did not receive or have misplaced the original materials we sent you. Once you have completed the survey, use the envelope provided and drop it in any mailbox; you need not add any postage.

Your cooperation is greatly appreciated.

Sincerely,

Alan R. Graefe
Associate Professor

Roger L. Moore
Project Coordinator



March 1, 1991

Dear Neighbor of the Lafayette/Moraga Trail,

Several weeks ago we wrote to you seeking your opinions about the Lafayette/Moraga Trail and your experiences living near it. As of today, we have not received your completed survey.

The large number of surveys returned is encouraging. But, whether we will be able to accurately describe how nearby landowners feel about the trail and its management depends upon you and the others who have not yet responded.

The results of this study are particularly important to the many citizens and planners who are currently working on improving the Lafayette/Moraga Trail. They are also vital for assuring that future trails nationwide are responsive to landowner concerns.

In case our original correspondence did not reach you or was misplaced, a replacement survey and reply envelope are enclosed. May we urge you to complete and return it to us as quickly as possible.

Thank you again for your contribution to the success of this study.

Sincerely,

Alan R. Graefe
Associate Professor

Roger L. Moore
Project Coordinator

Appendix G
Realtor Telephone Survey Instrument

1990 RAIL-TRAIL STUDY
REALTOR TELEPHONE INTERVIEWS

9/7/90

TRAIL _____ DATE _____ INTERVIEWER _____
AGENCY _____ PHONE _____ AGENT _____

"Hello, my name is _____ and I am working with the _____ on a study of how the _____ Trail affects nearby property. May I take about five minutes of your time to ask you some questions?"

PART I YOUR AGENCY

1. Does your agency broker property near the _____ Trail?
____ Yes ____ No (If "No"... "Do you know any who do? Thanks good-bye")
2. What types of property does your agency handle near the trail? (check all that apply)
____ Residential
____ Commercial
____ Farmland
____ Other (Specify _____)

PART II RESIDENTIAL PROPERTY IMMEDIATELY ADJACENT TO THE TRAIL

"Please consider only residential property when answering the following questions."

1. If a home is *immediately adjacent* to the _____ Trail, will the trail:
____ make the home easier to sell
____ make the home harder to sell
____ have no effect on selling the home
2. If a home is *immediately adjacent* to the _____ Trail, will the trail:
____ make the home sell faster
____ make the home sell slower
____ have no effect on how fast the home sells
3. If a home is *immediately adjacent* to the _____ Trail, will the trail:
____ make the home sell for more (How much more? _____%)
____ make the home sell for less (How much less? _____%)
____ have no effect on the selling price of the home

PART III RESIDENTIAL PROPERTY NEAR (BUT NOT IMMEDIATELY ADJACENT TO) THE TRAIL

1. If a home is *within two blocks (.2 miles)* of the _____ Trail, but not immediately adjacent to the trail, will the trail:

- ___ make the home easier to sell
- ___ make the home harder to sell
- ___ have no effect on selling the home

2. If a home is *within two blocks (.2 miles)* of the _____ Trail, but not immediately adjacent to the trail, will the trail:

- ___ make the home sell faster
- ___ make the home sell slower
- ___ have no effect on how fast the home sells

3. If a home is *within two blocks (.2 miles)* of the _____ Trail, but not immediately adjacent to the trail, will the trail:

- ___ make the home sell for more (How much more? _____%)
- ___ make the home sell for less (How much less? _____%)
- ___ have no effect on the selling price of the home

PART IV OTHER TYPES OF PROPERTY

1. The questions above refer to residential property only. In your experience, does the trail affect farmland or commercial property differently?

___ Yes ___ No (If "Yes", please explain)

Farmland: ___ make the property sell for more (How much more? _____%)
 ___ make the property sell for less (How much less? _____%)
 ___ have no effect on the selling price of the property

Commercial: ☐ make the property sell for more (How much more? %)
☐ make the property sell for less (How much less? %)
☐ have no effect on the selling price of the property

PART V OTHER COMMENTS

1. Do you have any other comments about how the _____ Trail affects nearby property values?

2. Can you suggest any other real estate agents who are familiar with property near the trail.

THANK YOU FOR YOUR HELP!

Appendix H

Contact Persons for More Information

Persons to Contact for More Information

Roger L. Moore
Department of Parks, Recreation and
Tourism Management
North Carolina State University
Raleigh, NC 27695
(919) 515-3698

Alan R. Graefe
School of Hotel, Restaurant and
Recreation Management
203 Henderson Building South
The Pennsylvania State University
University Park, PA 16802
(814) 865-1851

Richard J. Gitelson
School of Hotel, Restaurant and
Recreation Management
203 Henderson Building South
The Pennsylvania State University
University Park, PA 16802
(814) 865-1851

Elizabeth Porter
Rivers, Trails, and Conservation Program
National Park Service 765
1100 L Street, Room 2321
Washington, D.C. 20005
(202) 343-3766

Heritage Trail:

Robert Walton, Executive Director
Dubuque County Conservation Board
13768 Swiss Valley Road
Peosta, IA 52068
(319) 556-6745

St. Marks Trail:

Mary Anne Koos, State Trails Coordinator
Division of Recreation and Parks
Bureau of Local Recreation Services
3900 Commonwealth Boulevard
Mail Station 585
Tallahassee, FL 32399-3000
(904) 487-4784

Lafayette/Moraga Trail:

Steve Fiala, Trails Coordinator Specialist
East Bay Regional Parks District
2950 Peralta Oaks Court
P.O. Box 5381
Oakland, CA 94605-0381
(510) 635-0135, x2602