



SONOMA COUNTY
TRAILS COUNCIL
SHARE • ADVOCATE • STEWARD



TRAIL PROJECT COLLABORATION A PATH TO => SUCCESS

**27th CALIFORNIA TRAILS &
GREENWAYS CONFERENCE**

APRIL 19, 2012



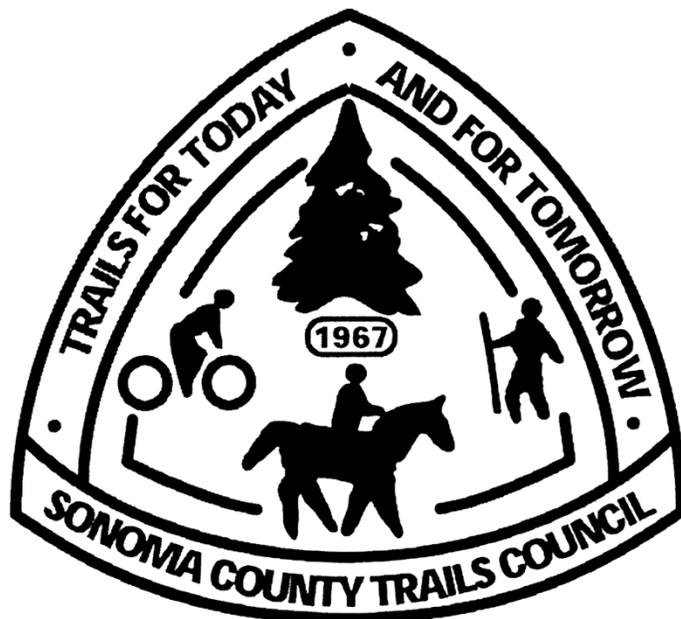
Background - Ken Wells

the brief story of a trail that led here...

- ❖ at five I learned to ride a bike and trout fish in the California Sierras, and trails took me to the fish
- ❖ at ten I started backpacking into Sierra wilderness to get to better fishing holes
- ❖ in 1982 I got my first mt. bike, to get even further into the mountains to the good fishing spots
- ❖ in 1986 I got involved in mt. bike access issues, becoming the President of Responsible Organized Mountain Pedalers (ROMP) and a founder of IMBA, so I could keep riding my bike to places to fish
- ❖ in 1992 I moved to Sonoma County, where I joined the Board of the Sonoma County Trails Council and earned my living as the Sonoma County Integrated Waste Manager and learned to move through the maze of government bureaucracy until I retired in 2008
- ❖ in October 2010 I became the Executive Director of the Trails Council and began doing projects like the one we are discussing today

Background - Trails Council

The Sonoma County Trails Council was formed in 1967.



The mission of the Trails Council is to work in partnership with others to advocate, plan, build, and maintain a network of sustainable, shared-use public trails for non-motorized recreation throughout Sonoma County, California.

The Sonoma County Trails Council is the oldest multi-use trail advocacy group in the US.

Background - Sonoma County

Home to several State Parks on the Closure List

Annadel State Park

Jack London Historical State Park

Sugarloaf Ridge State Park



Background - Local Efforts

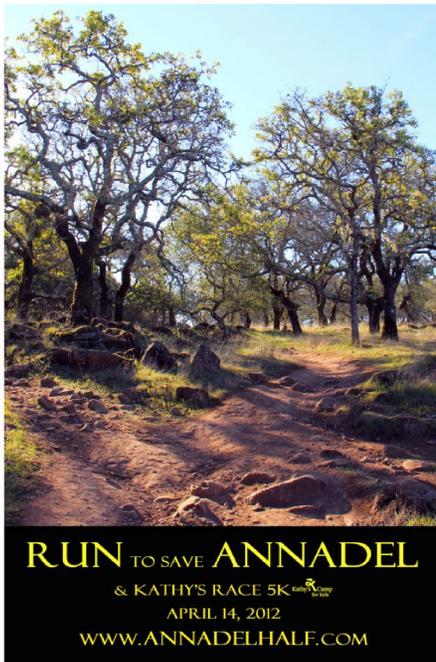
Numerous groups have stepped up to support Annadel

\$55,000 raised to keep Annadel Park open

Thursday, March 22nd, 2012

Chalk up another \$55,000 for the fund that supporters hope will enable Annadel Park to remain open beyond the state government projected shutdown date of July 1.

The latest donation is the result of a challenge to the community by VeloStreet, the nonprofit owner of Levi Leipheimer's GranFondo



RUN TO SAVE ANNADEL
& KATHY'S RACE 5K with Run.com
APRIL 14, 2012
WWW.ANNADELHALF.COM

Annadel Half Marathon draws hundreds of runners

By MARY CALLAHAN

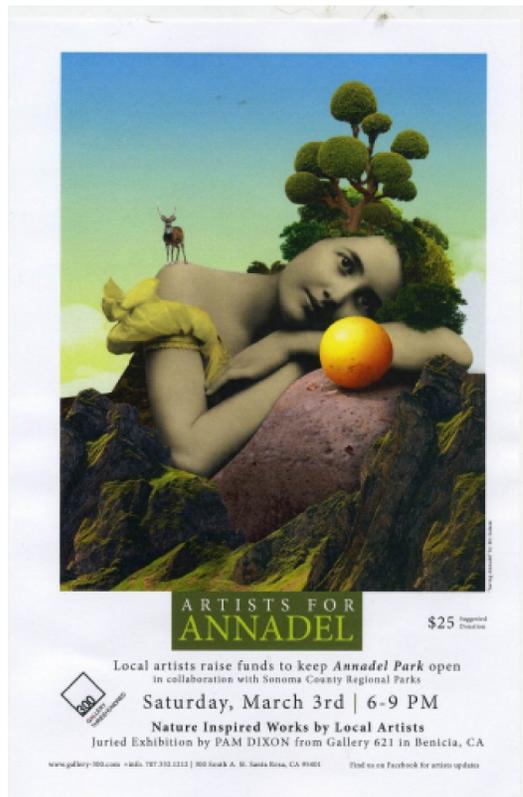
THE PRESS DEMOCRAT

Published: Saturday, April 14, 2012

Organizers hoped to raise \$40,000 in proceeds and matching donations to benefit the park - funding, for instance, trail projects like a 36-foot boardwalk built across a seasonally flooded area last fall.

Background - Local Efforts

Numerous groups have stepped up to support Annadel



AUGUST 18TH, 2012



Bike Monkey's Annadel XC MTB Race

ARTISTS FOR ANNADEL
March 3 6-9 pm at 300 South A Street
Santa Rosa Calif. 95401

Birth of a Project

2011 Annadel Half



Provided \$10,000 grant to the Trails Council to take care of Annadel trails*

*and could we work on this spot on the Ridge Trail?

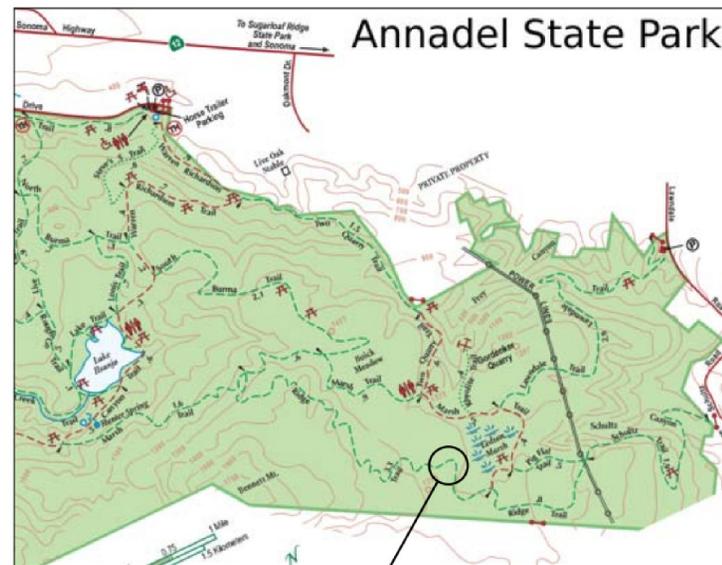


The Project Idea - July 2011

The Trails Council, Bay Area Ridge Trail Council and REI met to plan for the 4th Annual REI - Ridge Trail Service Day project on November 5, 2011



We decided to try and fix that bad spot on the Ridge Trail in Annadel State Park



Work project location

The Project Idea - July 2011

Challenges

Official Approval – State Parks must approve the project first

Access – a mile from nearest vehicle accessible staging area and vehicle entry limited to dry weather

- FIRE ROADS (Horses, Hikers, Bicycles)
- MULTI-USE TRAILS (Horses, Hikers, Bicycles)



The Project Idea - July 2011

Challenges

Trail solutions for crossing a 30+ ft. wet area -

1st Choice – re-route the trail
oh, right, this is a State Park, never mind

2nd Choice – Lift the trail onto
a causeway or puncheon

Selected Remedy – a
puncheon (aka boardwalk)



Project Planning - August 2011

After a site visit with the California State Parks' Natural Resource & Facilities Program Managers and a few project design and logistics adjustments via email, we are informed on



August 2, 2011

*Hi Ken, Everything that you proposed below sounds good to me. As far as I'm concerned from the natural resources perspective, this project is good to go.
Thanks, Cyndy*

Cyndy Shafer Acting Natural Resource Program Manager
California State Parks - Diablo Vista District

Project Planning - August 2011

With State approval of the project, we begin planning to move people, concrete, water and lumber to the site.

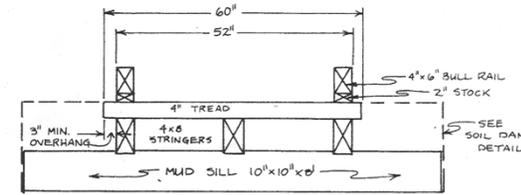
Dan Horn, Education Officer for the North Bay Unit of the Backcountry Horsemen of California, a General Contractor and true trail hero, provided site layout, material estimates, construction supervision and coordination of the 4-legged material transporters.



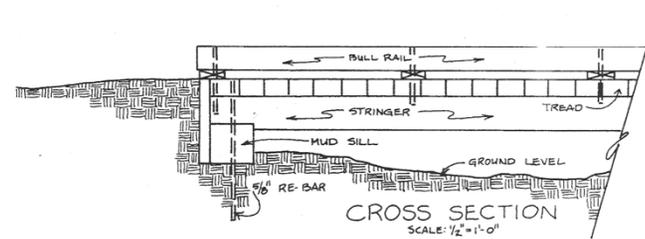
Project Planning - August 2011

! "#%&'()*+&-\$.%&/0123\$41)5""6788)
)
)
 544#&L-()
)
 54#&):09;\$%&
 =)36->?>8@
 8)A)6>87>8@
 8)A)6>@67)
)
 +\$; "%&
 B7(##)D); "%&
)
 E1234%6-<
 B)3F&G(41)/H@&I \$#(\$# "\$(\$)
)
 J 412%\$#&6-<
 ??)3?7';); "-(4Q%& @ &)
)
 H4"%&K "'L: 09;\$%&
)
 F#&L-\$%6-<
 MA)@B>86)/%\$((0%) %"\$ #\$,)5&#
 H'42L.&L-)
 8)A)6>B>87)/%\$((0%) %"\$ #\$,)5&#
 H0'L)N\$",)H4"%&()
 8)A)6>B>8?)/%\$((0%) %"\$ #\$,)5&#
 O\$2L.&L-)
 PB)A)@?>Q)/%\$((0%) %"\$ #\$,)5&#
 H0'")+ "&
 ?)A)@?>86)/%\$((0%) %"\$ #\$,)5&#
 H+)FG"2\$%&()
 6)A)6>@B)/%\$((0%) %"\$ #\$,)5&#
)
 H4'#()
)
 O\$2L)H4'#()
 8Q?)AD)>PR "'S)"-(TI "(3\$%&
 H0'")+ "&H4'#()
 6@AD)>86B "'S)"-(TI "(3\$%&
)

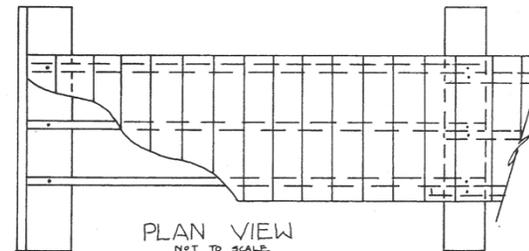
TYPICAL EQUESTRIAN PUNcheon



END VIEW
NOT TO SCALE



CROSS SECTION
SCALE: 1/2"=1'-0"



PLAN VIEW
NOT TO SCALE

Project Implementation - October 9, 2011

Moving concrete, water and lumber to the project site



Project Implementation - October 9, 2011

Moving concrete, water and lumber to the project site



Project Implementation - October 15, 2011



Constructing
the footings



Project Implementation - October 15, 2011



Our plan was to hand carry the long timbers and deck planks. Don't be fooled by the smiles - it was a real pain!

Project Implementation - November 2, 2011

Challenge

Lumber for the puncheon is staged a mile away from the project site -

- 9 - 4x8 x 12 ft stringers
- 6 - 4x6 x 12 ft bull rails
- 78 - 4x6 x 5 ft tread boards

Total weight approx. 3,000 pounds

Project Implementation - November 2, 2011

Challenge – move 3,000 pounds of lumber



Solution – ask for help from the Sheriff's Office rescue helicopter team – Henry 1

Project Implementation - November 2, 2011

Challenge – move 3,000 pounds of lumber



Solution – ask for help from the Sheriff's Office
rescue helicopter team – Henry 1

Project Implementation - November 2, 2011

Challenge – move 3,000 pounds of lumber



Solution – ask for help from the Sheriff's Office
rescue helicopter team – Henry 1

Project Implementation - November 2, 2011

Challenge – move 3,000 pounds of lumber



In half an hour the helicopter had moved all the timber, and we could place the puncheon stringers.

Grand Finale - November 5, 2011

pitch in get dirty build trail make friends

REI - Ridge Trail Service Day!

Saturday, November 5, 2011



Grand Finale - November 5, 2011



The deck planks are being bolted down. This was made much easier with an air compressor and power tools.



While the puncheon was being assembled, two crews started building the approach trails and obliterating the old trail.

Grand Finale - November 5, 2011



Each end of the puncheon needed a ramp

Grand Finale - November 5, 2011



Satisfied smiles of a job well done, and just before the rain started

Project Summary - Financials

Materials Expense

- Lumber, screws \$1,602.17
- Concrete \$ 223.77
- Hardware, misc. items \$ 196.14
- 5-gal buckets, lids \$ 48.60

Total materials \$2,070.68

\$200 Contribution to
Sonoma County Sheriff's Office
Henry One Trust Fund

Value of Volunteer Labor

	P1 Totals	Rate per hour/mile	Total Value
Total Basic Hours	272	\$15.00	\$4,080.00
Total Skilled Hours	197	\$25.00	\$4,925.00
Total Trail Recon	0	\$15.00	\$0.00
Total LNT - Education	0	\$15.00	\$0.00
Total Public- Meeting	0	\$15.00	\$0.00
Total Administrative Service	511.5	3% x hrs x \$15.00	\$230.18
Total Travel Time	42.5	\$15.00	\$637.50
Total Hours	511.5		\$9,872.68
Personal Vehicle	685	\$.90/mile	\$616.50
Stock Hauling	315	\$1.10/mile	\$346.50
Total Miles/ Dollars	1000		\$963.00
Power Equipment	24	\$23.00/hr	\$552.00
Heavy Equipment	0	\$78.00/hr	\$0.00
Total Hours	24	plus \$3.00/hr	\$72.00
Total Equipment Dollars			\$624.00
Total Stock (Pack and Saddle)	19		
Total Stock Days	19	\$100.00/day	\$1,900.00
Total Donations	0		\$0.00
Le Grand TOTAL			\$13,359.68
Labor Value is using the National Forest Service Standards Guidelines			

Final Comments - Trail Project Collaboration

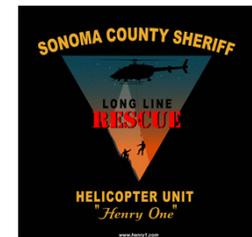
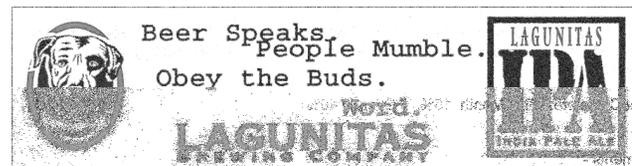
An example of an innovative approach using new partnerships to achieve tangible solutions that preserve the integrity of the resource and improve its recreational value.

- Coordinating multiple groups for a trail project is difficult logistically, but creates better long term results on the ground and between individuals and organizations!
- And with limited public agency funding, it seems to be the only way to get things done!
- Think out-of-the-box. Follow-up with wild ideas, if all it takes is a question sent to the right people!
- Be prepared to adjust and be flexible!

2011 Annadel Ridge Trail Puncheon Project

A big THANK YOU to all our partners and supporters –

- California State Parks - Diablo Vista District staff
- Backcountry Horsemen of California - North Bay Unit
- Bay Area Ridge Trail Council
- REI
- Sonoma County Sheriff's Office
- Clif Bar
- Lagunitas



2011 Annadel Ridge Trail Puncheon Project

Any Questions?

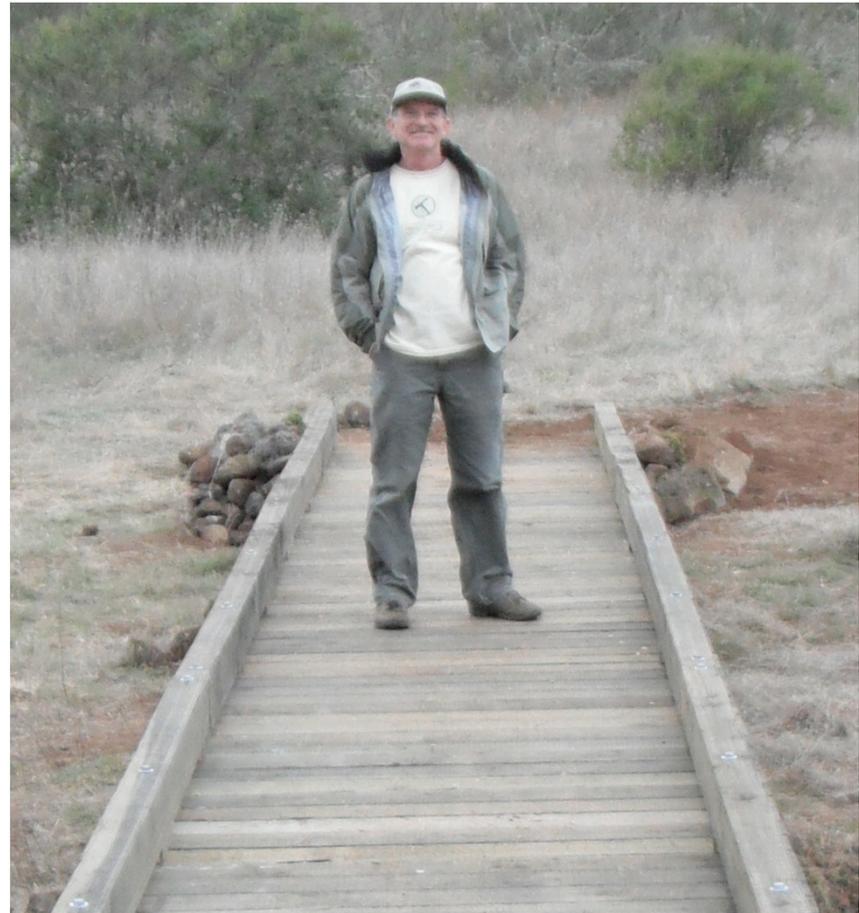
Ken Wells, Executive Director
Sonoma County Trails Council

kenwells@sonic.net

www.sonomatrails.org



SONOMA COUNTY
TRAILS COUNCIL
SHARE • ADVOCATE • STEWARD



2011 Annadel Ridge Trail Puncheon Project

Before



After

