

From: Michael Madden mikemadden52@gmail.com 

Subject: Challenge Trail Extension - some facts and figures

Date: September 13, 2023 at 7:49 AM

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Cc: Powell, Crystal L -FS crystal.powell@usda.gov, Julie Padilla julie.padilla@usda.gov



Luis amassed an amazing amount of stats & map in this report. Jenny sent it to the Thursday crew. I thought the Board would be interested.

Also FYI, I will be on a Sierra backpack Sept 15 thru 25.

Mike

----- Forwarded message -----

From: Jenny Blackmore <jblackm99@yahoo.com>

Date: Tue, Sep 12, 2023 at 6:24 AM

Subject: Luis is awesome

To: Jenny Blackmore <jblackm99@yahoo.com>

Cc: Russell Berman <russell.berman@usda.gov>, Kerry Wood <kerry.wood@usda.gov>, Luis Cuadros <cuadrosmd@gmail.com>

Hi FOSM people,

Look what Luis compiled! This is so cool to have all these data in one place!
Luis, you are the best - many, many thanks.

(In addition I would add - since he couldn't have known - that NMVFO [New Mexico Volunteers for the Outdoors] also participated in one work day just below Dry Camp, on May 8, 2021: 10 participants, ~6 hours, ~320 feet built.)

Thanks again Luis!

Jenny B

Challenge Trail Extension Project 2021 to 2023

VOLUNTEER STATS

50 trail building workdays total:

44 workdays by FOSM

6 workdays by AMBA

First workday June 5, 2021 by AMBA (National Trails Day)

Final workday August 10, 2023 by FOSM

Completion time: 2 years, 3 months

AMBA worked from 6/5/2021 to 11/16/2021

FOSM worked from 8/26/2021 to 8/10/2023

105 total volunteers including:

44 different FOSM volunteers

10 different TTL/YCC volunteers

51 different AMBA volunteers

Each volunteer worked ~5 hours per day

Volunteers worked total of 3,010 hours

PHASES

Phase 1 - Ski Base to Tree Spring

6/5/2021 to 11/16/2021 by AMBA and FOSM

1.67 miles

15 workdays: 9 by FOSM; 6 by AMBA

Phase 2 - Tree Spring to Old Crest Rd

6/16/2022 to 12/7/2022 by FOSM

1.25 miles

20 workdays by FOSM

Phase 3 - Old Crest Rd to Bill Spring Tr (bypassing Old Crest Rd and user trail)

4/20/2023 to 8/10/2023 by FOSM

0.49 miles

15 workdays by FOSM

TRAIL STATS

Trail starts at Sandia Ski base: 8,545 ft elevation

Trail ends at Bill Spring Tr: 7,679 ft elevation

Total length of trail 4.36 miles (approximate, varies on how measured)

Amount of hand-built trail: 3.41 miles

Amount of bypassed existing trail 0.95 miles (Old Crest Rd and user trail)

Total climbing 162 ft

Total descending 1,144 ft

COST EQUIVALENT

total hand built trail 3.41 miles = 18,005 ft

total volunteer hours x volunteer rate: 3,010 hrs x \$30/hr = \$90,300

cost to build trail in volunteer hours: \$5.02 per foot

$\$90,300 \div 18,005 \text{ ft} = \5.02 per foot

NOTE: professional trail builders charge \$7.00 per foot using machinery

Summary

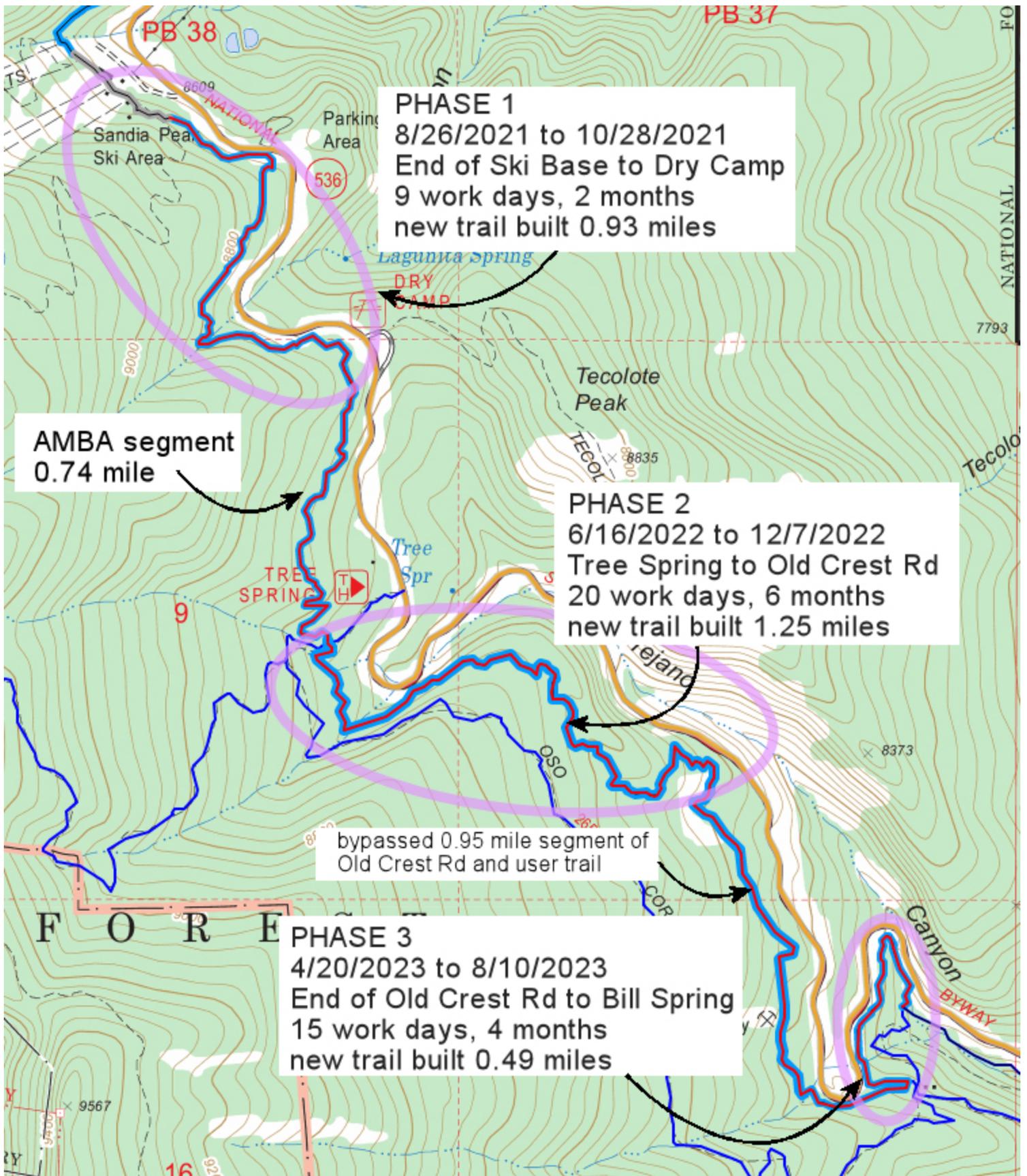
It took over 2 years with 105 volunteers from multiple organizations. They worked a total of 50 days for a total of 3,010 volunteer hours. FOSM built the majority of the trail with 44 workdays and AMBA contributed 6 days. The Talking Talons Youth Conservation Corps participated in 3 total workdays alongside FOSM in 2021 and 2023.

The USFS spent an incredible amount of time and energy in planning, designing, flagging and supervising.

The trail is approximately 4.36 miles from the Sandia Ski Base to Bill Spring Trail. It is remarkable for its beauty and astounding views. Measuring between 2 and 3 feet in width, it follows the rigorous standards of the US Forest Service for environmental protection, wildlife protection, sustainability and user experience. Multiple user groups will enjoy the new trail, including hikers, runners, mountain bikers, horse riders, and cross country skiers. One may also encounter deer, turkeys and other wildlife. Most of the trail is in deep wooded areas passing through a large ponderosa meadow, coursing in and out of small valleys. A portion includes the historic abandoned unpaved Crest road built in the 1930's.

The following FOSM volunteers worked 10 or more days each:

Jenny Blackmore 41 days, Byron Garner 35 days, Eric Russell 34 days, Jim Houle 33 days, Bruce Hansche 29 days, Luis Cuadros 29 days, Mike Madden 27 days, Pat Madden 23 days, Sim Cook 21 days, Roland Stumpf 16 days, Dan Benton 15 days, David Bernstein 15 days, Claudia Bergsohn 14 days, Bill Perkins 11 days, Cleve Sharp 11 days, Tony Pachelli 11 days, Joe Beman 10 days, John Braly 10 days, and Phil Cromer 10 days.



PHASE 1
8/26/2021 to 10/28/2021
End of Ski Base to Dry Camp
9 work days, 2 months
new trail built 0.93 miles

AMBA segment
0.74 mile

PHASE 2
6/16/2022 to 12/7/2022
Tree Spring to Old Crest Rd
20 work days, 6 months
new trail built 1.25 miles

bypassed 0.95 mile segment of
Old Crest Rd and user trail

PHASE 3
4/20/2023 to 8/10/2023
End of Old Crest Rd to Bill Spring
15 work days, 4 months
new trail built 0.49 miles