



100% Progress Report

Colorado Water Conservation Board
Attn: Ben Wade
1313 Sherman Street Rm. 718
Denver, CO 80203

June 25, 2020

Please accept the following report for 100% complete on the Rainwater Harvesting Demonstration Sites.

All three of the planned demonstration sites are completed and collecting water. The two Bayfield sites, the Pine River Library and the Bayfield Primary School are only allowed to use the barrels as demonstration and not for active rainwater collection as they are located in the Pine River Watershed which is allocated and always “on call” for that water district’s water owners. We are providing ongoing training on rainwater harvesting information as well as supplying rain barrels for a discounted group buy.

There was a local article that highlighted the rain water harvesting sites and brought attention to the installations. Rain water collection needs more education and outreach for residences as the drought and warming conditions in the Southwest prevail.

<https://durangoherald.com/articles/285335-durango-and-bayfield-catch-rain-for-education>

We had planned additional education at the three sites in Spring of 2020 in advance of the garden season, however the COVID pandemic made onsite presentations impossible.

We are currently exploring the adoption of greywater collection in the region and hoping to advance the education, codes and permitting necessary in order to allow for greywater use.

Sincerely,

Laurie E. Dickson, Executive Director



Water Collection Estimate Data from Bayfield Primary School 2019- 1500 s.f roof area

May – Estimated gallons collected 2 Barrels 50 gallons each	1.49" rain 1500s.f x .623 gallons	1392 gallons
June - Estimated gallons collected 2 Barrels 50 gallons each	.44" rain x 1500s.f x .623 gallons	411 gallons
July -Estimated gallons collected 2 Barrels 50 gallons each	.55" rain x 1500s.f x .623 gallons	514 gallons
August –Estimated gallons collected 2 Barrels 50 gallons each	.72" rain x 1500s.f x .623 gallons	672 gallons
September- Estimated gallons collected 2 Barrels 50 gallons each	.73" rain x 1500s.f x .623	692 gallons-

Estimated visits and direct education at the demonstration sites

Powerhouse Science Center- 2019 estimated 253,200 visitors and camp attendees

Pine River Library- 146,503 visits to date

Bayfield Primary School- Direct engagement- 35 3rd graders, 29 4th graders