

MOOP
and
Recycle Report



Playa del Fuego

2023

Pilot Programs



The MOOP Project

MOOP data was collected by the attendees of Playa Del Fuego 2023 as part of The MOOP Project.

MOOP location, type, and quantity were recorded using the Rubbish app.

We received 140 Submissions, THANK YOU for your participation!

Attendees also participated in Recycle Camp to collect food waste, empty propane/butane canisters, and aluminum cans for recycling. Aluminum cans were redeemed in New York state to fundraise for Playa Del Fuego 2024 art grants. This report summarizes the impact of these two piloted programs and was created by

Genie (Sami Romanick)



MOOP & Donuts



Food



Metal



MOOP &
Found



Other



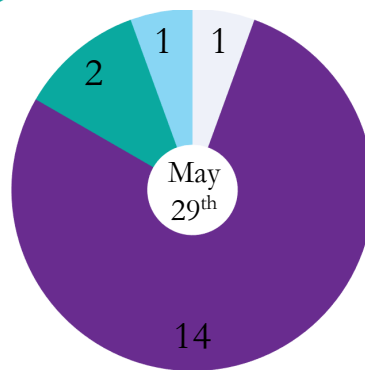
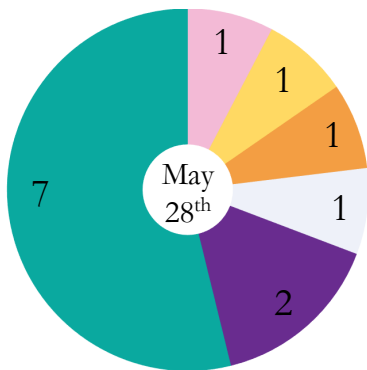
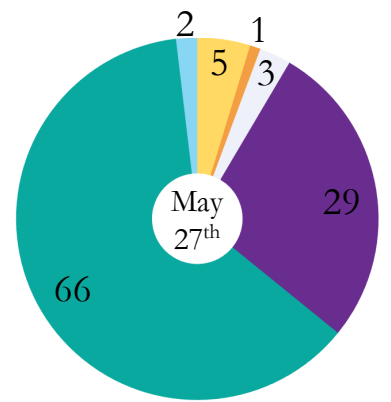
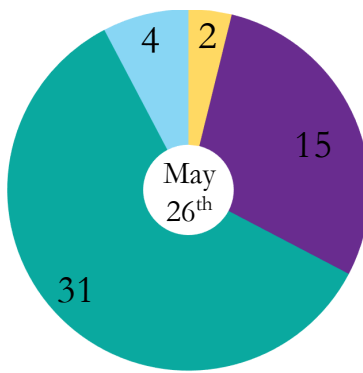
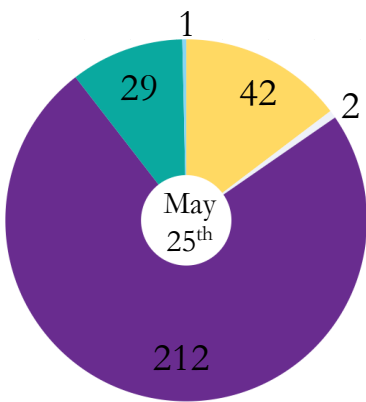
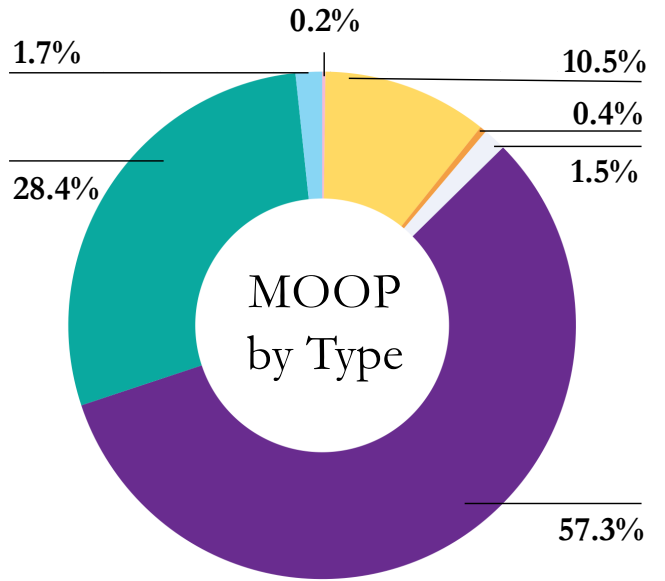
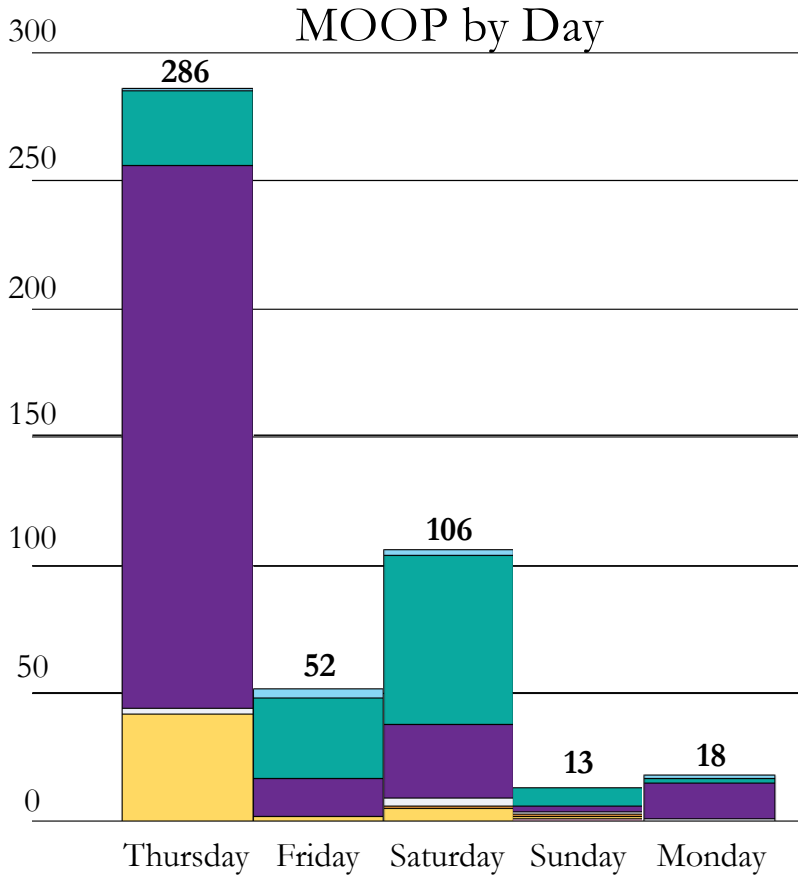
Paper



Plastic



Tobacco





Food



Metal



MOOP &
Found



Other



Paper

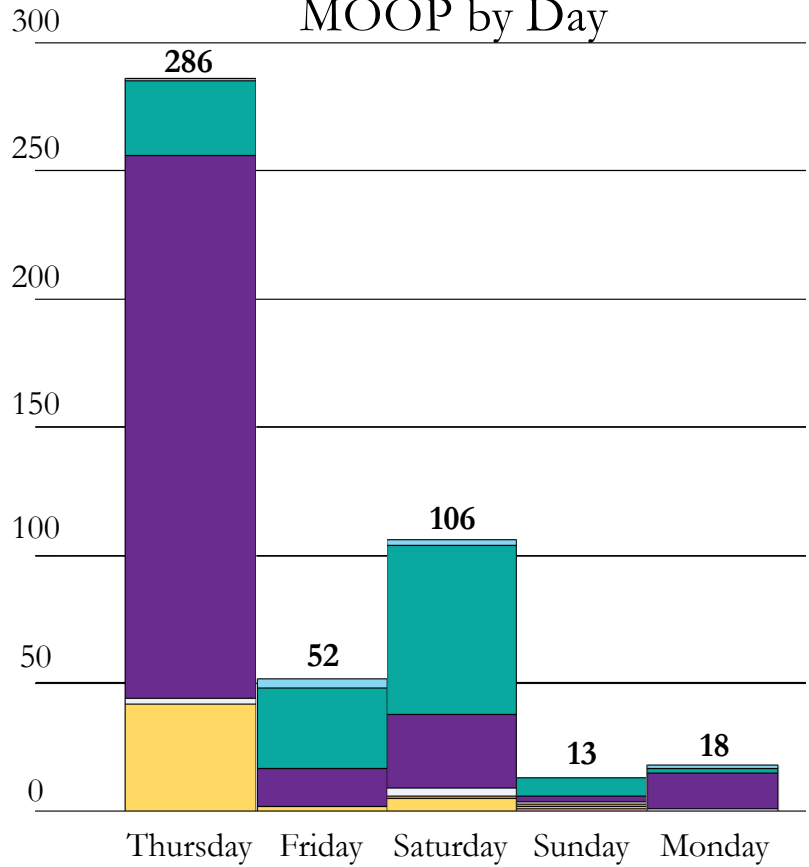


Plastic



Tobacco

MOOP by Day



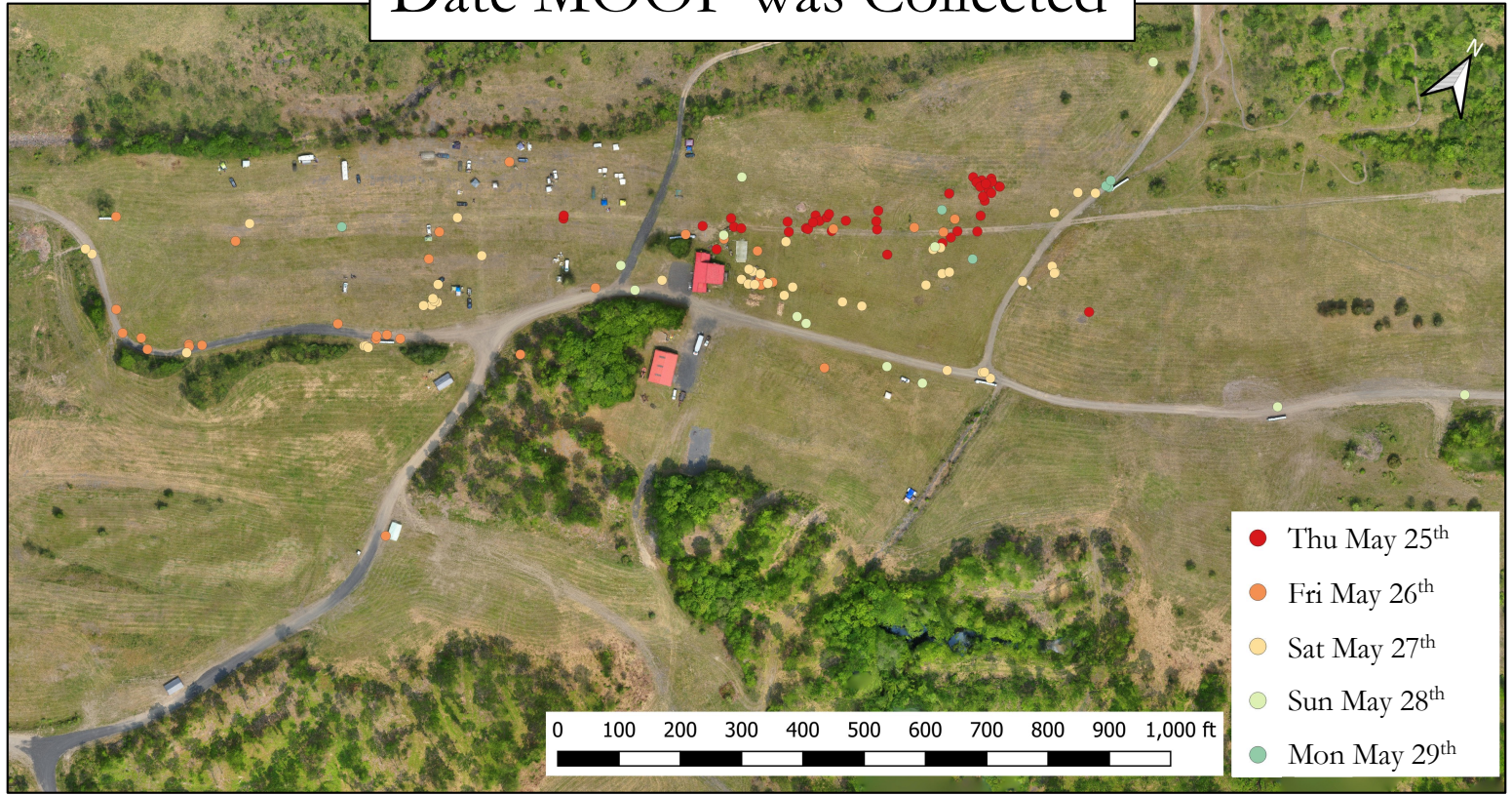
286 MOOP

items collected pre-burn
(Thursday before gate)



*We leave this place
better than we found it!*

Date MOOP was Collected



Imagery was taken by Big Mike on Wednesday May 24th



Food



Metal



MOOP &
Found



Other



Paper



Plastic

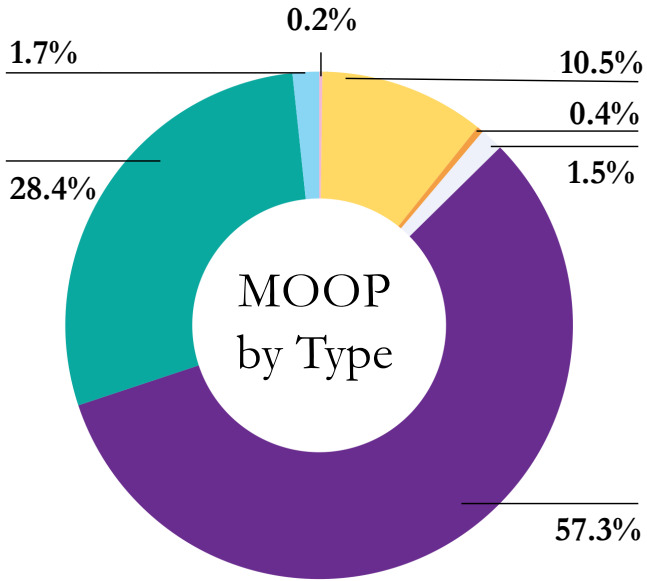


Tobacco



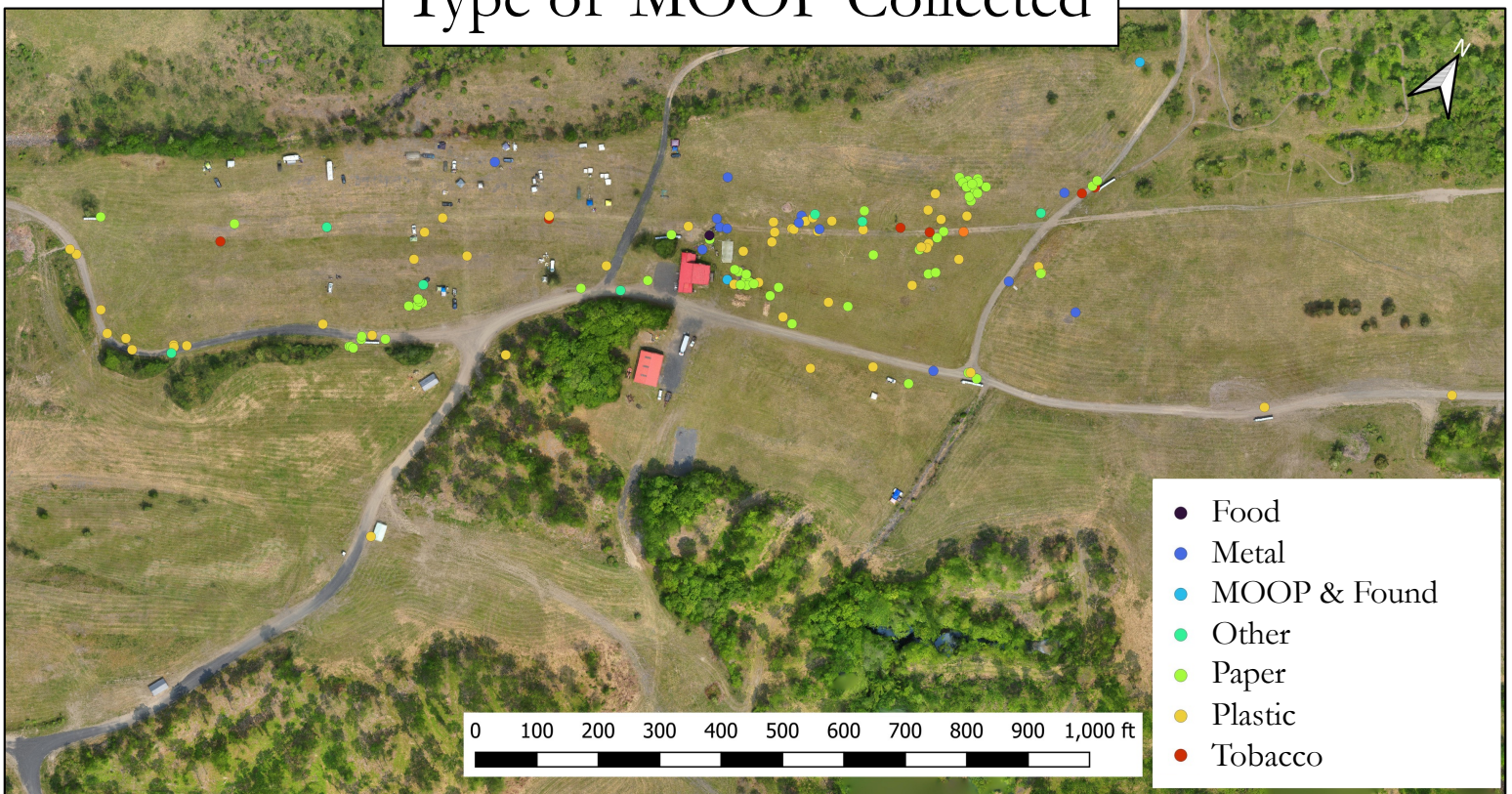
475 MOOP

items collected



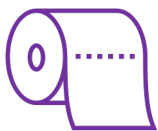
Event is located at a shooting range and **Shotgun Shells make up 72%** of all plastic & metal items collected

Type of MOOP Collected



Imagery was taken by Big Mike on Wednesday May 24th

MOOPy Poopy



10% of all Paper MOOP
was collected near porta potties



6% of all MOOP
was collected near porta potties

Paper towels were provided at the porta potties with no waste collection receptacle. Based on this MOOP data we suggest not supplying paper towels at next years event. Let them



air dry!



2,449 Cans Collected

1,945 NYS redeemable
504 non-redeemable



26 Plastic

redeemable bottles
collected



8 Glass

redeemable bottles
collected



\$128.40 Raised

for PDF 2024 Art Grants



7.7 Miles

traveled to
recycle materials



75 Pounds

of food waste
collected



35 Canisters

propane/butane canisters
collected



Recycling Saves

2,449 Cans Recycled

saves energy that is equivalent to:



967 Hours
of powering a U.S. home
That's 40 days!



14,970 Hours
of powering an LED TV
That's like watching all 236
episodes of Friends 293 times!



53,142 Slices
of bread toasted
That's 26,571 grilled cheese sandwiches!



30,367 Hours
of powering a laptop

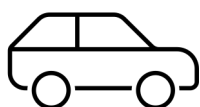
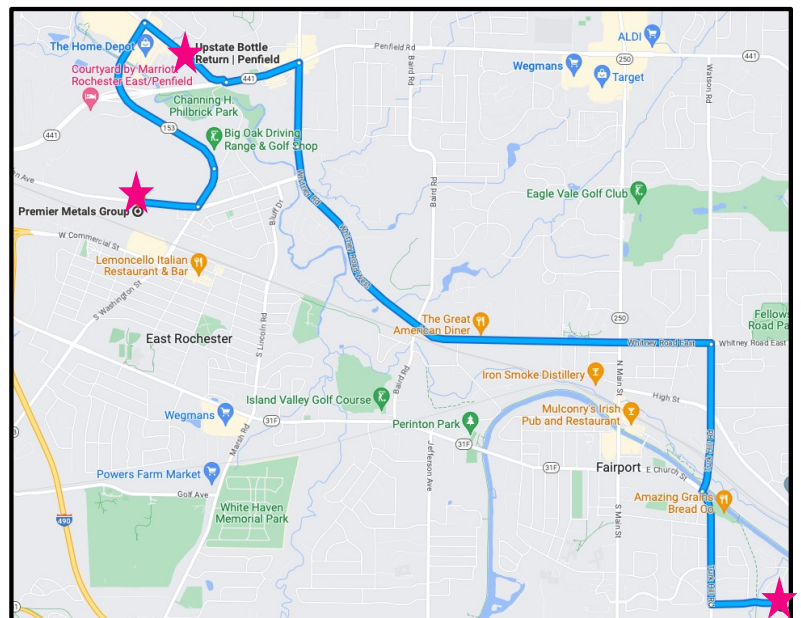


169 Loads
of laundry



29,388 Smartphones
charged

Cans were stored in Fairport, NY,
5.7 miles to Upstate Bottle
Return for redeemable cans and 2
miles to Premier Metals Group
for non-redeemable cans.
7.7 total miles traveled to recycle
all materials.



600 Miles
600 – 7.7 miles traveled = energy of
592.3 miles driven by a passenger vehicle

The Power of Redemption

New York State (NYS) passed the Returnable Container Act, also known as the “Bottle Bill”, in 1982 to increase recycling efforts and reduce litter. The bill provides incentives for proper disposal and recycling of beverage containers by requiring a \$0.05 deposit on certain beverage containers including aluminum cans, glass and plastic bottles. These containers can be recycled at redemption centers to redeem the deposit.



80% Return Rate
since its enactment



NO Cost

to local governments to recycle
241,500 Tons
of aluminum, glass, and plastic
containers every year



70% Reduction
of container litter

Recycle Camp at PDF took advantage of this system to collect NYS redeemable cans from attendees to fundraise for PDF 2024 Art Grants. Many attendees are unfamiliar with this bill as they do not reside in NYS. So, how do you know which cans are redeemable? Usually, if you purchase cans in NYS, those are redeemable.

Another way to know is by looking at the top of the can for the NY 5¢.

Not all cans are created equal!



NY redeemable!

vs.



NOT NY redeemable!

Redemption

All redeemable containers were redeemed at Upstate Bottle Return on June 6th for their monthly special \$0.06 for each container.

Non-redeemable Aluminum Cans were bulk recycled at \$0.46/lb at Premiere Metals Group.



**1945 Cans,
26 Plastic &
8 Glass Bottles**
redeemed

NY redeemable!



504 Cans
non-redeemable
BUT recyclable

NOT NY redeemable!



24-pack aluminum cans = 1 lb



We redeemed 81 x 24-packs
at \$0.06 per can

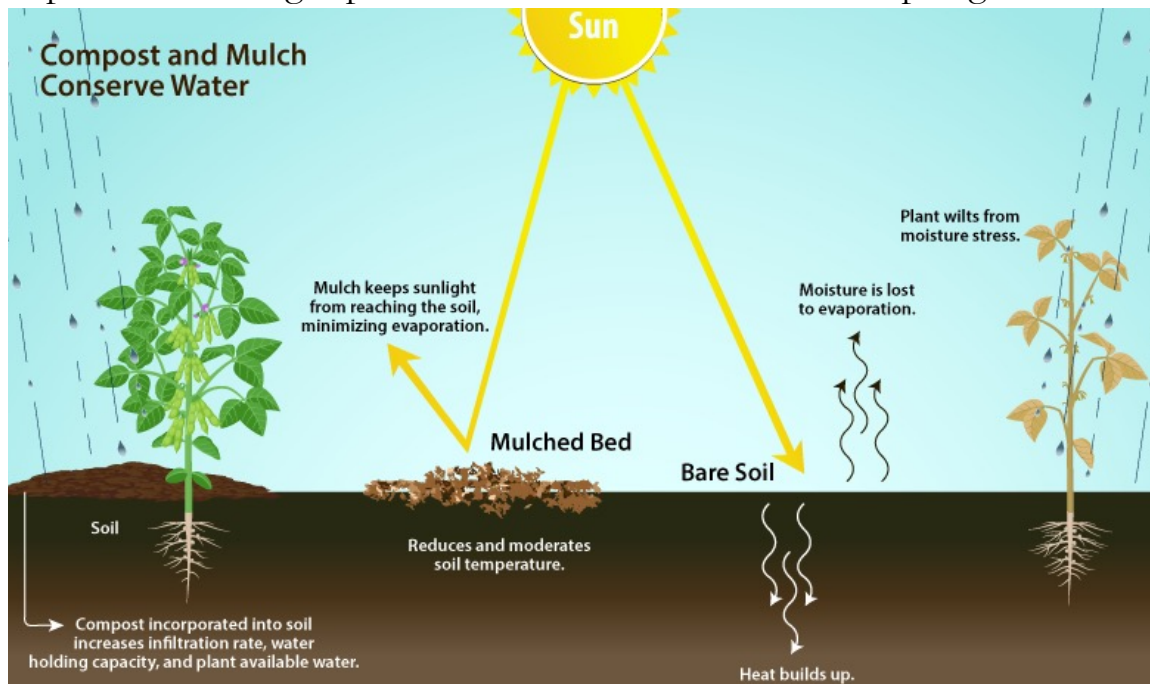


We recycled 21 x 24-packs
at \$0.02 per can

Redemption is more lucrative than bulk recycle by \$0.04 per can!

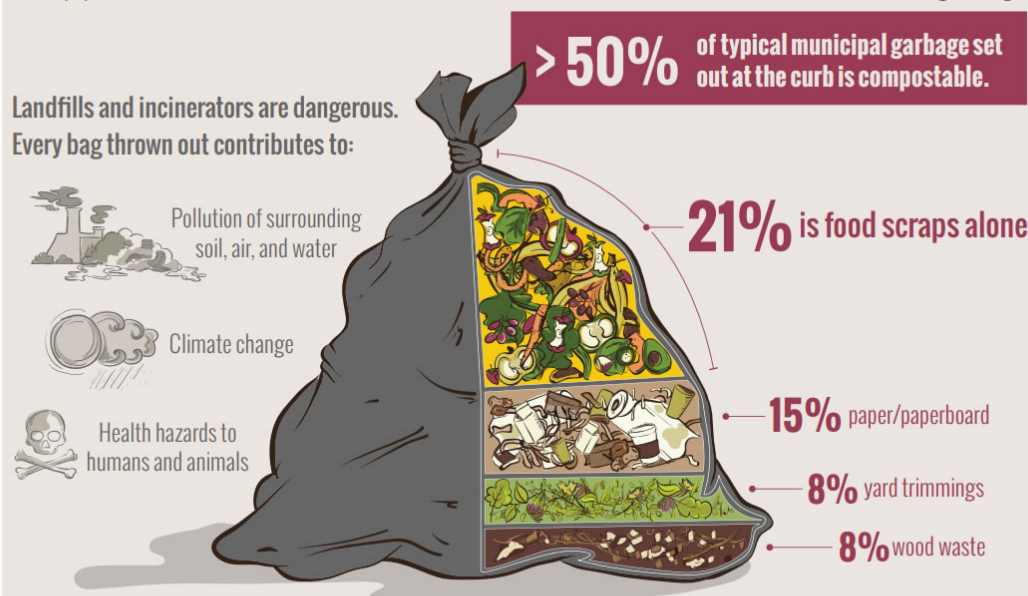
Composting Reduces

Composting is nature's way of recycling, a process converting organic materials, such as food waste and dead leaves, into nutrient rich soil through natural decomposition. The decomposing process is controlled by microorganisms that feed on food scraps, a source of nitrogen (greens), and dead leaves, a source of carbon (browns), to grow and reproduce in the presence of oxygen, to breathe, and water helps further digest materials. The product is compost (aka Black Gold) and when added to crops can improve water retention so less water is needed to grow food. This is very important in drought prone areas such as Nevada and helps fight climate change.



Alternatively, when food waste and dead leaves enter a landfill, it is trapped in a place with no oxygen, activating other types of microorganisms that produce methane gas, a potent greenhouse gas. Composting lowers greenhouse gas emissions by improving carbon sequestration in the soil and reducing methane gas emissions at landfills. Composting also reduces the amount of waste entering landfills. [Learn more about backyard composting.](#)

Every year, U.S. landfills and trash incinerators receive **167 MILLION TONS** of garbage.



Composting

131 Pounds

of total food waste was collected and composted.

Food waste was collected at two locations at PDF, Recycle Camp and Camp Sunflower:

Recycle Camp

75 Pounds
of food waste
collected



Camp Sunflower

56 Pounds
of food waste
collected



0.34 tons of CO₂

greenhouse gas emissions reduced. The impact of 0.34 tons of methane gas over 20 years is 72 times greater than 0.34 tons of CO₂ over 20 years!



15,906 gallons
of water saved,
equivalent to 925 showers

Total Impact

Total environmental impact by participating in The MOOP Project and Recycle Camp:



475 MOOP
items cleaned up
from environment



131 Pounds
of food waste
composted



2,449 Cans Recycled

That's more than 2 cans
per attendee!



35 Canisters
recycled and kept out
of a landfill

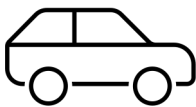


\$128.40 Raised
for PDF 2024 Art Grants



0.58 tons of CO₂

greenhouse gas emissions reduced, and energy saved is equivalent to:



1,349 Miles

driven by a passenger vehicle.

That's like driving from Buffalo, NY to Dallas, TX!

Or Cleveland, OH to Denver, CO!

Or Boston, MA to Memphis, TN!



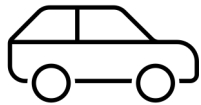
64,004 Smartphones
charged



Carbon Impact

If you are curious to learn how to calculate your carbon impact, we have provided a real-life example for you:

Genie, Sheck, and Moonshine travel in a truck towing a trailer at 8 miles/gallon for 246 miles one way from Rochester, NY to Playa Del Fuego 2023 in Tamaqua, PA. The trailer is housing camp infrastructure for three people, Recycle Camp, and Secret Temple art installation. All power at camp and Secret Temple is solar, except for using one 1-lb propane canister for cooking food.



492 Miles

roundtrip at 8 miles per gallon =
0.55 tons CO₂ equivalent

+



1 lb Canister

used for cooking food at PDF =
0.0014 tons CO₂ equivalent

Total = 0.5514 tons CO₂ equivalent

Tons of CO₂ equivalent reduced by recycling and composting was
0.58 tons CO₂ equivalent - 0.5514 tons CO₂ equivalent emissions
from trip =

- 0.03 tons CO₂ equivalent

Genie, Sheck, and Moonshine's journey to PDF 2023 was

**CARBON
NEGATIVE**

THANK YOU for participating!



We hope this report encourages burners to participate in more litter reduction, recycling, and composting practices off playa.

MOOP data and recyclables were collected by the attendees of Playa Del Fuego 2023 as part of The MOOP Project and Recycle Camp.

The MOOP data summarized in this report is an underestimate as there was a lack of participation in The MOOP Project. We hope to get more participation next year.

Thank you to all who participated in these pilot programs!

Special THANK YOU to ...

Genie (Sami Romanick) – Playa Scientist/The MOOP Project/Recycle Camp

Sheck (Alan Shechter) – Transportation/Recycle Camp

Big Mike – MOOP Map

Moonshine (Laura Doerrer) – The MOOP Project/Recycle Camp

Jenny Raider the Generator (Jenny Maire) – Recycle Camp

Katie Landis, Camp Sunflower – Food Waste Collection

PDF BOD

PDF DPW & MOOP Volunteers

The MOOP Project and Recycle Camp Participants



Reference Links:

[Rubbish App for MOOP Collection](#)

[NYS Bottle Bill](#)

[Reimagining the Bottle Bill](#)

[What is Composting?](#)

[Composting Saves Water](#)

[Composting Reduces Greenhouse Gases](#)

[What is BPI Certified Compostable?](#)

[Aluminum Can Recycling Impact](#)

[Food Waste Composting Impact](#)

[Greenhouse Gas Equivalencies Calculator](#)

[Vehicle Emissions Calculation](#)

[Propane Use Calculation](#)