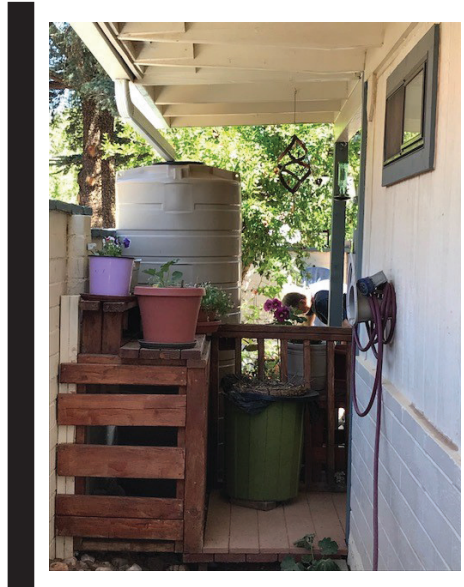


Bisbee Rain Water Harvesting Tour Saturday, July 14 9 AM to 1 PM

This year, we will look at five water harvesting systems in Bisbee, AZ. The Tour begins at Ecoasis Center followed by 4 residential systems.



19.08 inches is the average yearly rainfall for this locale according to US Climate Data.

Stop #1—Ecoasis

99 S Highway 92, Tin Town, Bisbee, AZ

9:00 AM - 10:00 AM

Coffee/Chat: 20 minutes

Tour Introduction: 10 minutes

Site: 30 minutes



Ecoasis harvests rain from its entire roof area helping to fulfill Community Synergy Solutions Corp's mission, "To improve and sustain community and environmental health along the US/Mexico border region."

| | |
|-------------------------------|--|
| Catchment Area/ Conveyance | 400 sq. ft. roof area 780 sq. ft. roof area Gutters & piping |
| Annual capacity | 13,959 gallons/year |
| Storage | 1500 gallon tank 1350 gallon tank |
| Distribution | Gravity fed hoses |
| Use of rain | Landscape trees & shrubs & plants for sale |
| Special features | Dry & wet deliveries –2nd tank is filled via a sump pump in a surge tank; Tanks purchased with a grant from the Upper San Pedro Partnership. |

Stop #2—Dale Turner

502 27th Terrace, Warren, Bisbee, AZ
10:10 AM - 10:50 AM

Drive time from
Stop #1: about 3
mins: 1.7 miles
Site time: 40 mins

*“We harvest rain
to conserve our
water resources
and as a bonus
—rainwater is
the best water for
plants.”*



| | |
|-------------------------------|---|
| Catchment area/ Conveyance | 2,500 square feet roof area/Gutters to underground piping (wet delivery) |
| Annual capacity | 29,574 gallons/year |
| Storage | (2) 2600 gallon tanks connected; pump in one tank feeds a pressure tank to piping |
| Distribution | Pressurized irrigation through spigots |
| Use of rain | Landscape & native wildlife habitat watering; Passive rain harvesting into sculpted basins |
| Special features | 6" gutters (Kanmar Construction, Sierra Vista) Autofill - city water fills tank when level reaches about 1.5 feet (in both tanks) |

Stop #3—Kathleen & Bill Keryan

403 Center Ave. Warren, Bisbee, AZ
10:55 AM - 11:25 AM



Drive time from
Stop #2:
about 2 mins.
Site time: 30 mins.

“Capturing rain makes me feel like I’m part of the earth. I want to be part of the earth and be saving the earth in whatever little way I can.”

| | |
|-------------------------------|--|
| Catchment area/ Conveyance | 2700 sq ft. roof/ Gutters |
| Annual capacity | 31,940 gallons/year |
| Storage | 200 gallon tank; 250 gallon tank; 500 gallon tank; 50 gallon drum |
| Distribution | All tanks outlet to gravity fed hoses |
| Use of rain | Landscape and container plant watering & hair rinsing |
| Special features | Metal roof; Gutters installed by <i>RainDay</i> AC condensate is a secondary source of H2O collected |

Stop #4—Doris Turner

522 Arizona St., Warren, Bisbee, AZ

11:30 AM - 12:00 PM



Drive time from
Stop #3:
about 5 mins.
Site time: 30 mins.

“Most people are not thinking about what they’re doing and are wasting resources. We installed rain harvesting for the same reason we invested in solar—to reuse resources.”

| | |
|-------------------------------|---|
| Catchment area/ Conveyance | 3900 sq. ft. combined roof areas: asphalt & metal/ Gutters |
| Annual capacity | 46,135 gallons/year |
| Storage | Tanks: (1) 50 gal; (5) 200 gal; (1) 800 gal |
| Distribution | Gravity only with hoses and watering cans |
| Use of rain | Landscape and container plant watering |
| Special features | Overflows are directed to planted areas. Solar panels & a solar oven are in use at this home. |

Stop #5—Bruce Syrett

5 Spring Canyon, Old Bisbee, AZ
12:15 PM - 1:00 PM



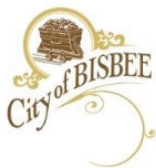
Drive time from
Stop #4:
about 12 mins.
Site time: 40 mins.

*“My 3000
gallon tank will fill
with a 1.7” rain.
With an annual
rain of 12 inches,
it will fill 8-10
times a year.”*

| | |
|-------------------------------|---|
| Catchment area/ Conveyance | 3456 square feet metal roof/ Gutters to ABS pipe for dry delivery to big tank |
| Annual capacity | 40,883 gallons/year |
| Storage | 3000 Enduraplas tank/500 gallon tank uphill |
| Distribution | Quick-connect couplings for attaching a 1 HP Drummond pump and hose to send water uphill to 2nd tank |
| Use of rain | Hand watering landscape by gravity from 2nd tank; Big tank overflows to a basin via a pipe |
| Special features | 4” ABS piping used for downspouts & inflows; Big tank overflow is visible over a litter head; Overflow on uphill tank is also visible to help to determine when it is full |
| | First flush pipe; Valve installed to close all inflow to tank (when full) to redirect rain to landscape |

For more information, contact Water Wise 520-458-8278 x 2141 Sierra Vista
520-366-8148 Bisbee Office (Wednesdays and Fridays only)
Bisbee Office: 66 Brewery Ave (just below City Park)
Be sure to visit our website: waterwise.arizona.edu

Partners include:



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