

# Flood and Flow Committee

Meeting- October 11, 2018

10:00a.m.

Town Hall, Patagonia, Arizona

Members present: Carolyn Shafer-F&F chair, Kathy Pasierb-FOSC, Kurt Vaughn-BHN, Murphy Musick-CRS, Dave Ellis-PAWS, Marty Lawrence-TNC, Bill O'Brien-NEXT GEN, Kate Tirion-DDF  
Members absent: Anne Townsend

Guests: Lane Coulton, Tina Hall, Steve Usrey, Brad Sander, Ian Waen, Chris Workhoven

Meeting called to order at 10:05 a.m.

## NEW BUSINESS

### A. Action non-discussion items

- Approval of September minutes with the following changes  
Motion - Carolyn, 2<sup>nd</sup> Murphy

### B. Non-Action/discussion items

#### Presentations:

- Carolyn Shafer reports -Update on October 5th Special Meeting  
***AZ House of Representatives Committee on Energy, Environment and Natural Resources***  
to hear water concerns from citizens
- Carolyn Shafer reports - Update on Town Council October 10 meeting  
Planning and zoning allows *only* town residents  
F & F can have members outside of town non- residents  
Regarding flood insurance two questions

## OLD BUSINESS

### RoadMap: update

#### ***Understanding and Managing Water Quality in the Sonoita Creek Watershed.***

- Carolyn Shafer reports- update on funding  
Grant funding -Patagonia Regional Community Foundation (PRCF)  
Kathy volunteered with Bill and Marty to help write the grant

### FEMA Flood Insurance update

- Murphy Musick reports -Update on ***Community Rating System*** (CRS)  
October 1<sup>st</sup> CRS accepted Patagonia into the program.  
Town is cooperating by helping to determine elevation of the land and designating open space preservation. OSP adds another 5% discount on flood insurance for residents.

### **PAWS** update- *Patagonia Area Water Study*

- David Ellis reports PAWS/Alum Gulch/AZDEQ  
Thanks to Dr.Christine Uhlman for clarifying the difference between groundwater and surface water.  
Dave and Christine will attend a presentation on ***water isotope analysis*** presented by the University of Arizona, October 11, 2018. Isotope analysis determines the age of water and its chemical nature.  
AMI Industrial production well was drilled to 4,800 ′. If the water can be analyzed and found to be ancient water this may have significant impacts on town water supply.  
Bill commented on water movement. Drawing down water from the aquifer will have significant impacts on town water supply.  
The static water level of the AMI well is 125′  
Red Mountain has gone through significant geological changes including volcanic action more than 50 million years ago. Fracturing began before the time period of volcanism.

### **Other business**

- Carolyn Shafer & David Ellis reports – There will be a January *All Stakeholders* meeting with Dr.Christine Uhlman, Executive Director for the journal *Groundwater*.  
Christine will be available for an early February meeting and will give a presentation on her investigation of Red Mountain hydrogeology.
- November 8<sup>th</sup> *Arizona Floodplain Managers Conference*. Carolyn will attend on behalf of the F&F committee to showcase our effort towards cooperation among local organizations who work together to address issues of local water resources.
- FOSC report-Board meeting on Oct. 17<sup>th</sup>, Fall Festival Booth, Member meeting Oct. 27<sup>th</sup> with a presentation by Caleb Weaver-Borderlands Earth Care Youth Institute (BECY).
- Bill reports that a Grant is in play to help the town with the Waste Water Treatment Plant and its impacts on Sonoita Creek.

### **Future Agenda Items:**

- Flood Mitigation and Recharge Basin
- Town of Patagonia watershed designation by Forest Service
- Town of Patagonia water improvement projects
- Santa Cruz County flood plain review
- List of private owners of Sonoita creek bed
- Conservation easement
- Public education program on water related issues
- Flood mitigation plan
- Active Water Management Area (AMA)
- AZ Municipal Water Users Association
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RADAR SCREEN Hubday property ownership

## AGENDA. Patagonia Area Water Study (PAWS) Program of Public Information (PPI)

Murphy presented information on this program.

- CRS has an education piece called Program of Public Information (PPI)
- 7 steps to approve the PPI which adds to the town and flood plain residence to qualifying for CRS
- PPI Committee members are Murphy, Kate, Marty, Kurt
- Murphy asks for motions to approve and move forward on the steps of the PPI

### STEPS

1. Approval by the town counsel- Counsel has approved
2. Assessing community's needs. The map shows 459 structures in 500 acres in a special flood hazard (SFH) area equating to 80% of structures in Patagonia.  
Murphy made a motion to accept step two and Carolyn 2<sup>nd</sup>.
3. Outreach: Formulate a method for 6 important areas (goals) of concern. Asking...What is the message?  
6 goals: Motion to approve-Motion Murphy 2<sup>nd</sup>-Kate
4. Ideas to get out the information: Public Service Announcements, bulletin boards, presentations to organizations, schools info, Planning and Zoning, realtors, KPUP, town website
5. examine other public education initiatives for discussion
6. evaluation of PPI

Next meeting November 8th, Thursday, 2018, 10:00 am

Meeting adjourned 11: 10 am.

Respectfully submitted,  
Kathleen Pasierb