**Town of Patagonia, Arizona**

**Flood and Flow Committee**

**MISSION:** *The watershed is a vital component of this community’s well-being.  The Sonoita Creek Flood and Flow Study Committee will (i) make recommendations to the Patagonia Town Council with respect to best practices within its jurisdiction to manage erosion, to enhance water ﬂow, to create optimal ﬂood mitigation and to promote the long-term health of the riparian corridor, (ii) look at the entire watershed area to inﬂuence upstream conditions and to mitigate downstream consequences, and (iii) educate the public.*

**PUBLIC MEETINGS HELD at 10:00 A.M. 2ND THURSDAY MONTHLY LOCATED IN PATAGONIA TOWN COUNCIL CHAMBERS**

**COMMITTEE MEMBERS**:

Carolyn Shafer-*F&F* ***Chairperson*** &

  *Patagonia Area Resource Alliance:* ***PARA***

Kathy Pasierb- *F&F* ***secretary*** &

 *Friends of Sonoita Creek:* ***FoSC***

Dave Ellis-*Patagonia Area Water Study:* ***PAWS***

Marty Lawrence-*The Nature Conservancy:* ***TNC***

Murphy Musick-Community Rating System: ***CRS***

Kate Tirion-deep dirt farm: ***DDFI***

Kurt Vaughn-Borderlands Restoration Network: ***BRN***

Howard Buchanan-Tucson Audubon Paton Center: ***TAPC***

Meeting-February 13, 2020

10:00 a.m.

Town Hall, Patagonia, Arizona

**Members Present:** Carolyn, Kathy, Marty, Kate, Dave, Kurt, Howard, Murphy

**Members Absent:**

**Guests:** Bill O’Brien, Sarah-south32, Alex Johnson, Chris Werkhoven

Meeting called to order at 10:05 a.m. by Carolyn Shafer

**NEW BUSINESS**

**A.** **Action items**

* Approval of January 10, 2020 minutes- Motion to approve- Marty, Second-Kate

**B.** **Non-Action/discussion items**

**PRESENTATIONS:** Call to the Public

**OLD BUSINESS**

**REPORTS AND UPDATES**

* Forest Service representatives at March meeting to discuss Town of Patagonia status as an official Forest Service Watershed. Carolyn reports about the remediation projects on mines in the Patagonia Mountains.
* Status will be presented during the next F & F meeting.

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

Bill O’Brien update

* The Roadmap water data presentation on January 22, 2020 at the Tin Shed and Patagonia Town Council meeting was successful. NextGen is wrapping up the water data report. All data will be available online. Bill requests recommendations or feedback on both presentations before data is published on line.
* April 7th Santa Cruz County supervisors meet ***tentatively*** at 9:30 am County Complex in Nogales to learn about the roadmap project.
* Next Gen will file a report on a search for data gaps especially during the last decade, 2010-2019.
* Well sites at the periphery of the watershed need data. James Calgary from USGS needs time to report his data to the Forest Service.
* Future monitoring is critical to fill a gap analysis but also continue the existing stations data is collected.
* All stakeholders need to share data. Murphy expressed concern about the effects of Border Patrol not limited to vehicles pollution, activities, road erosion.
* South32 report from Sarah on storm water and groundwater data. Sarah recommends she send all data to the town Mayor. Wildlife reports 2012 data to Forest Service. Report not to include species locations.
* David has questions about two wells indicated as NW3 just across the South32 property line in Flux Canyon and NW9 somewhere off of Harshaw road. He would like coordinates for NW9.
* Carolyn wants the Forest Service to conduct a presentation about mine closure information.

**Sonoita Creek Watershed Project**

 David Ellis update water quantity project: summary of current iteration. See Dave’s handout summary.

**NEW BUSINESS**

* Presentation date for Sean Shrag-Toso graduate project: ***A Citizen Science Approach to Monitoring Water*** ***Resources in a Vulnerable Aquifer***. February 29th at the Tin Shed at 10 a.m.

April 18th during Earthfest to present some conclusions for his master’s thesis.

* Watershed Management Group (WMG) report on joint meeting of Flood and Flow Committee with Friends of Sonoita Creek board members. FoSC is agreeable to participate to form a group under some name that is not call WMG. Name of a group can be decided in the future but ‘branding’ the group ahead of the grant application is important.
* Howard reports NRCD (National Resource Conservation District) February 12th meeting at Santa Cruz County Fairgrounds was well attended. Borderlands Restoration Network and Friends of Sonoita Creek were presenters.

**Other business**

* The town manager, Ron, is the flood plain manager for the (CRS) Community rating system.

**Future agenda items** PARKING LOT

* Joint meeting with Planning and Development Committee
* PAWS/Sonoita Creek flow meters/ADOT bridge work/South32 well data from ADWR (AZ. Dept. of Water Resources) (Dave Ellis)
* Flood Mitigation and Recharge Basin
* Town of Patagonia watershed designation by Forest Service
* Town of Patagonia water improvement projects
* Public education program on water related issues
* AZ Municipal Water Users Association
* Public education program on water related issues
* RADAR SCREEN Hudbay property ownership
* CRS Murphy
* Bill to present What is a water budget?

Next meeting March 12, 2020 at 10:00 am

Motion to adjourn, Kathy, second by Carolyn

Meeting adjourned 11:25 am

Respectfully submitted,

Kathleen Pasierb