

# Flood Mitigation Updates

February 22, 2022







# Agenda



- Updates on
  - Flood cleanups
  - Feasibility and modeling
  - Park sediment basins
  - Cedar to Dortha channel improvements
  - Killip detention basins
  - Siren system
  - Communications





# Flood Cleanup – City Work Order

- New internal work orders for 2021 flood cleanup included:
  - Rio de Flag downstream of Spruce Wash (Foxglenn Park)
  - Rio de Flag in Cheshire
  - Continued cleaning of Johnson Channel (Sunnyside)
  - Utilizing the two Stormwater Water Services Operators





# Flood Cleanup - Contract

- New awards in 2022 for:
  - Fanning Wash at Bushmaster
    - Fence repair, concrete channel repair, replacement of trash racks
  - Spruce Wash at Route 66
    - FUTS low water crossing repair, sediment removal
  - Other minor projects
    - Five total around the city







# Flood Cleanup – Frances Short Pond

The New pond aerator has arrived  
Parks, Facilities, and Stormwater are  
working on installation this month

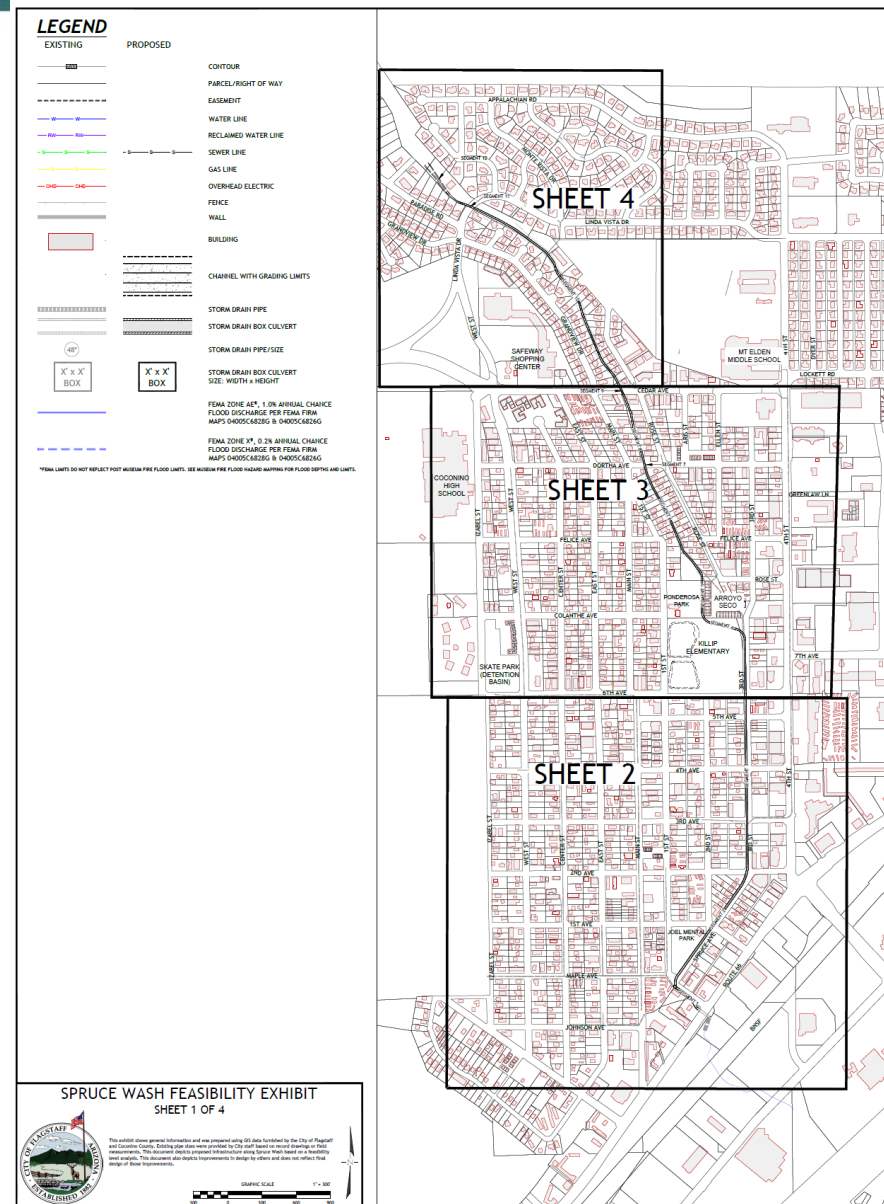
The new aerator will help prevent future  
fish kills such as the one above this last July





# Feasibility Study Update

- The final feasibility technical memo and exhibits were delivered to the City
- Concept design for infrastructure upgrades on Spruce Wash (Linda Vista to Route 66) underway
- Opinion of construction cost underway







# Park Sediment Basins

- Geotechnical work is complete
- 30% designs are in review
- Environmental and cultural clearances on-going (led by the County)







# Cedar to Dortha Channel Improvements

- **Project Scope:** Channel improvements for capacity and stability, Dortha Avenue undercrossing reconstruction for increased capacity
- **Budget:** \$2,000,000
- **Schedule:** Completion prior to Monsoons 2022 (June 15)
- **Current activities:** Construction contract amendment, utility relocations, property acquisition







# Killip Detention Basins

- Project well underway and going smoothly







# Killip Inlet at Ponderosa Park

- Engineering has shifted some design resources to the conveyance infrastructure needed north of the Detention Basins.
- Concept design is being developed with Parks input on design elements.
  - Primary goal is water conveyance
  - Striving to incorporate a Park amenity if possible as the park is impacted. Hopeful for an impressive park redevelopment.





# Siren System



- Coconino County and City of Flagstaff have partnered on a new public warning system
- This system includes four sirens with voice text to voice functions
- The City is supporting with project management and implementation
- Sirens will be placed within City right-a-way
- Reminder that **All** residents should sign-up for Emergency Notifications

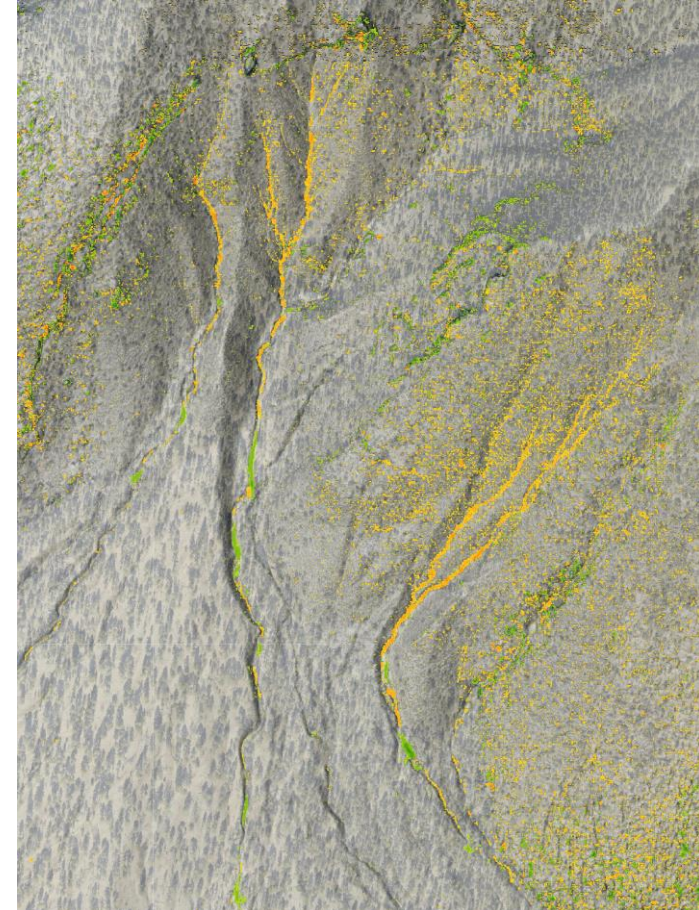






# South Mount Elden Updates

- Work has continued in 2022:
  - Modeled channel incision and change in flood risk (JE Fuller Hydrology)
  - Ongoing discussions with Kinder Morgan Natural Gas
  - Concept designs moving to 30% (Woodson Engineering)
  - Funding (Stormwater bond election or FEMA BRIC grant)



# Communications Update

## Outputs

[Website](#) is live

Flyer mailed/ emailed to impacted residents

## Currently in production

Short video clips

3rd edition FAQ

## Future

Continued project updates





# Council Discussion

