Midcoast Community Council

Preliminary Priorities & Concerns

Note: the Council is still short 2 members, and has not yet held its annual planning retreat, so these thoughts are not final.

Gregg Dieguez

Normal MCC Priorities

1. Parks (new plans, pump track, dog walking)
2. Planning (numerous projects, code enforcement)
3. Transportation (safety, congestion, trails)
4. Public Works (Sewer, Airport, Flooding)
5. Sustainability (e.g. water supply, wildfire resilience, SLR, storms)
6. Community & Communications
7. Other – Wildfire Risk Reduction (RCD simulation study, tree removal)

What Happened…

1. Stormwater flooding *(e.g. Moonridge & implications for Cypress Point)*
2. Sewer system failures and damage; overflow pollution
3. Trees falling, and threatening to fall
4. Loss of electricity
5. Loss of communications
6. Road closures and damage; evacuation risks

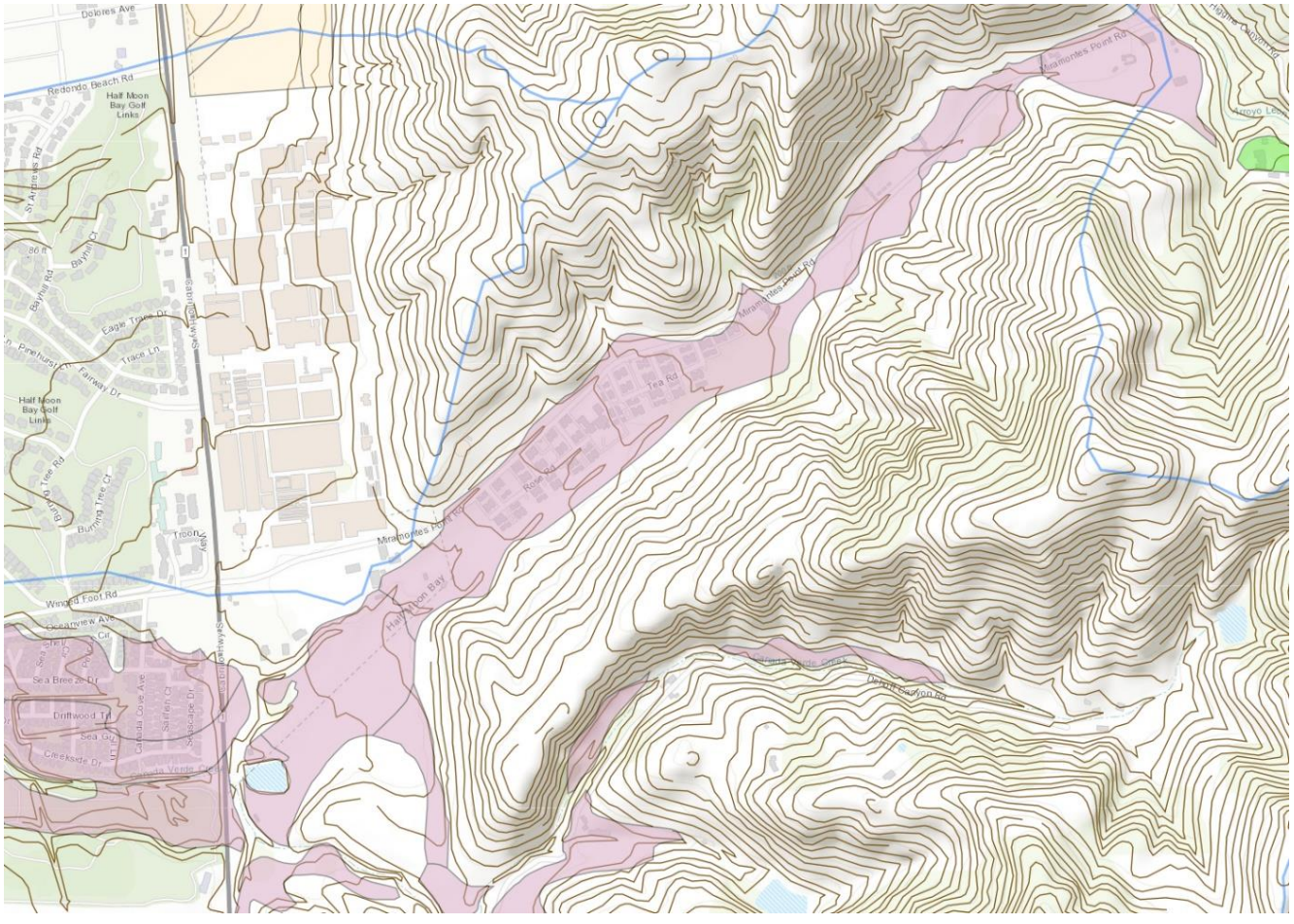
Hwy 1 at Airport 12/31 2pm

Almost-annual Pacifica Hillside Kayaking

Downhill from Quarry Park (2017)

Moonridge In a Flood Plain

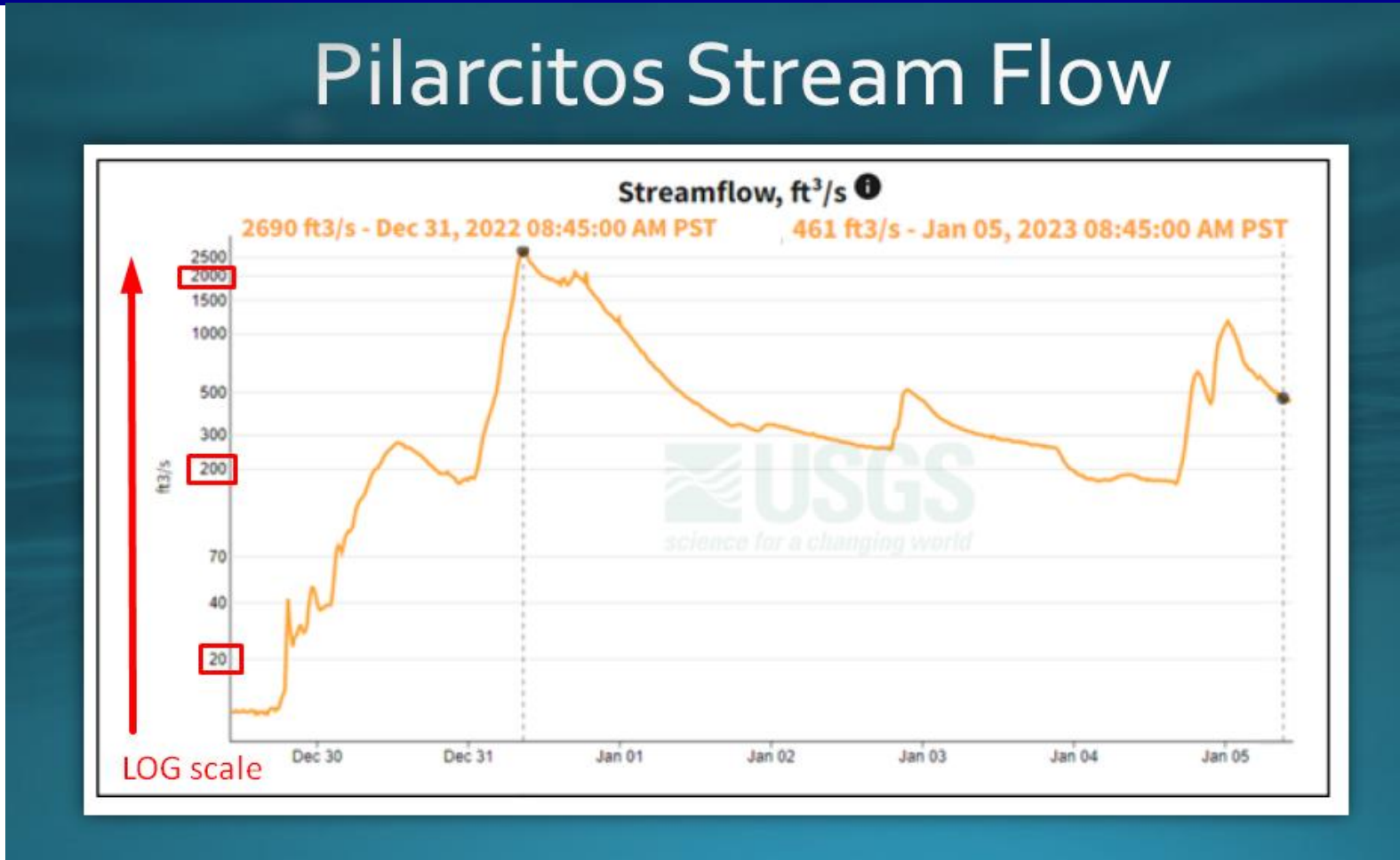
1. What planning and permitting were required?
2. Who audited the sufficiency of the results?
3. What is the storm drainage now required?
4. What does it cost?
5. Who will pay for it, forever?
6. What are the lessons learned for future developments?



Pilarcitos Creek Surge

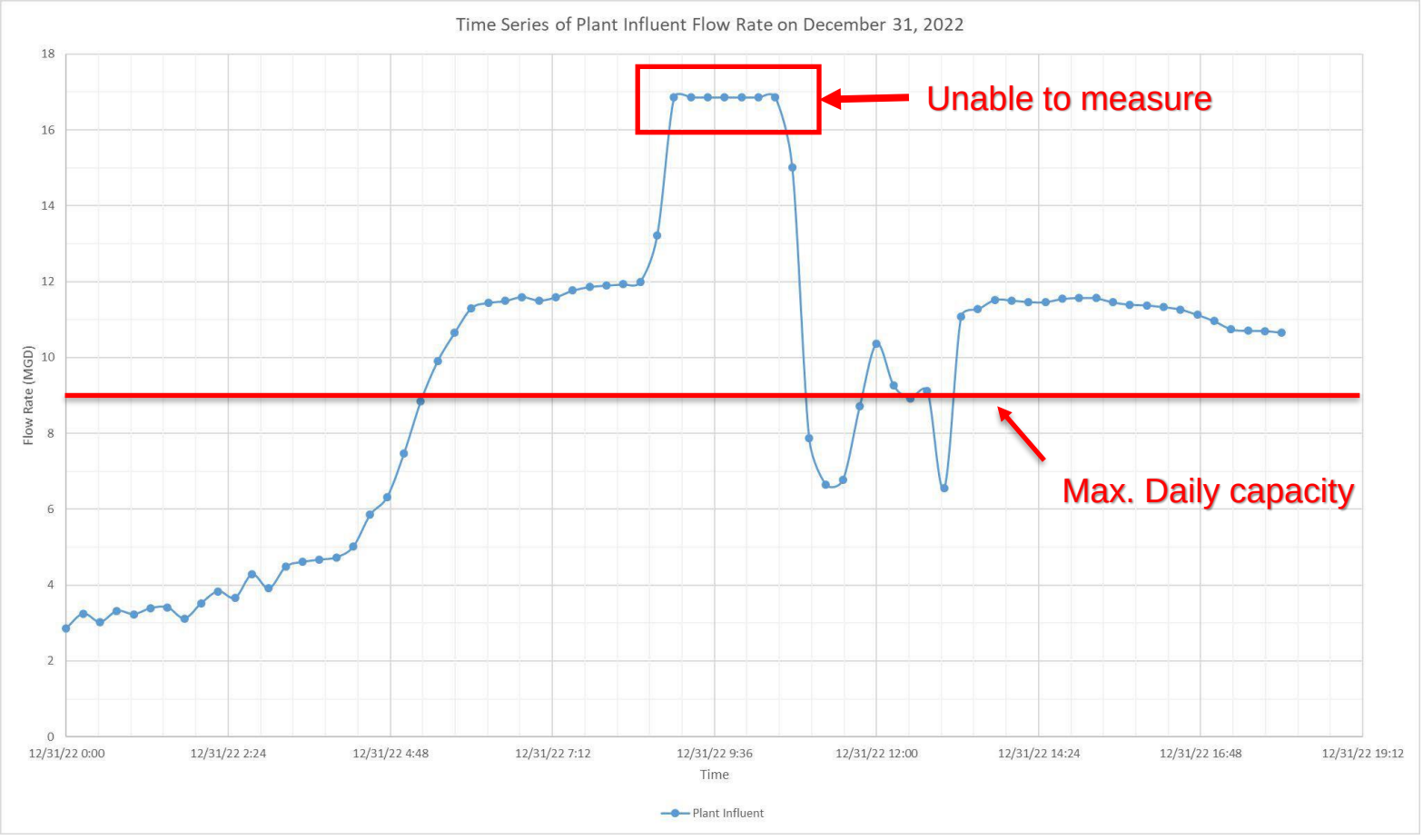
1. What caused this surge?
2. What early warning system do we need?
3. What physical protections are needed?
4. How much do they cost?
5. How fund?

Note: Y-axis is LOG scale, meaning 10-fold increases are shown as equal vertical space

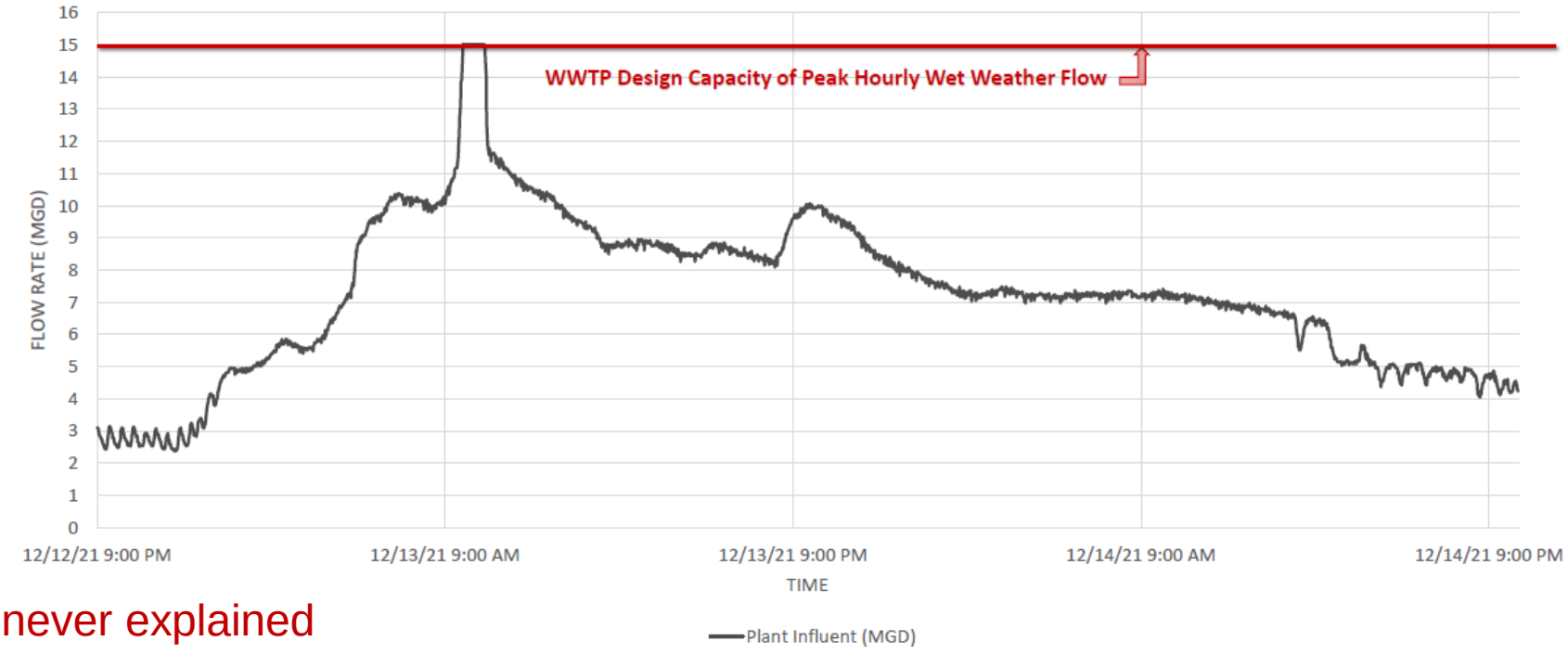


SAM Plant flooded 12/31/22

1. Note spike at 8:45 am
2. With IPS turned off, why still 11.5 mgd flow?
3. What plant changes are needed?
4. What WWS capacity is needed?
5. How much do they cost?
6. How fund?



This has happened before…



Dec. 13, 2021
Excess inflows never explained

SAM WWTP Influent Flow Rate
December 12, 2021 9:00 PM – December 14, 2021 10:00 PM

So What? - Implications

- We have inadequate infrastructure in several dimensions
  1. Sewer
  2. Stormwater Drainage and/or WWS
  3. Telecommunications
  4. Evacuation
  5. Medical
  6. Schools
- We need an assessment of critical infrastructure requirements
- We need those requirements priced
- We need those requirements funded

Now What?…

1. Analysis of the sewer plant failures, costs & fines, and remedies
2. Stormwater capacity assessment
3. Better planning of new projects, including infrastructure impacts, and fiscally sustainable funding BEFORE impacts occur
4. Auditing of & Accountability for impacts, so residents don't fund growth, or errors
5. Improved emergency communications & tracking (report in process)
6. Application of modelling tools in wildfire planning and storm drainage design (e.g. LandTender from Vibrant Planet)
7. More from community input…

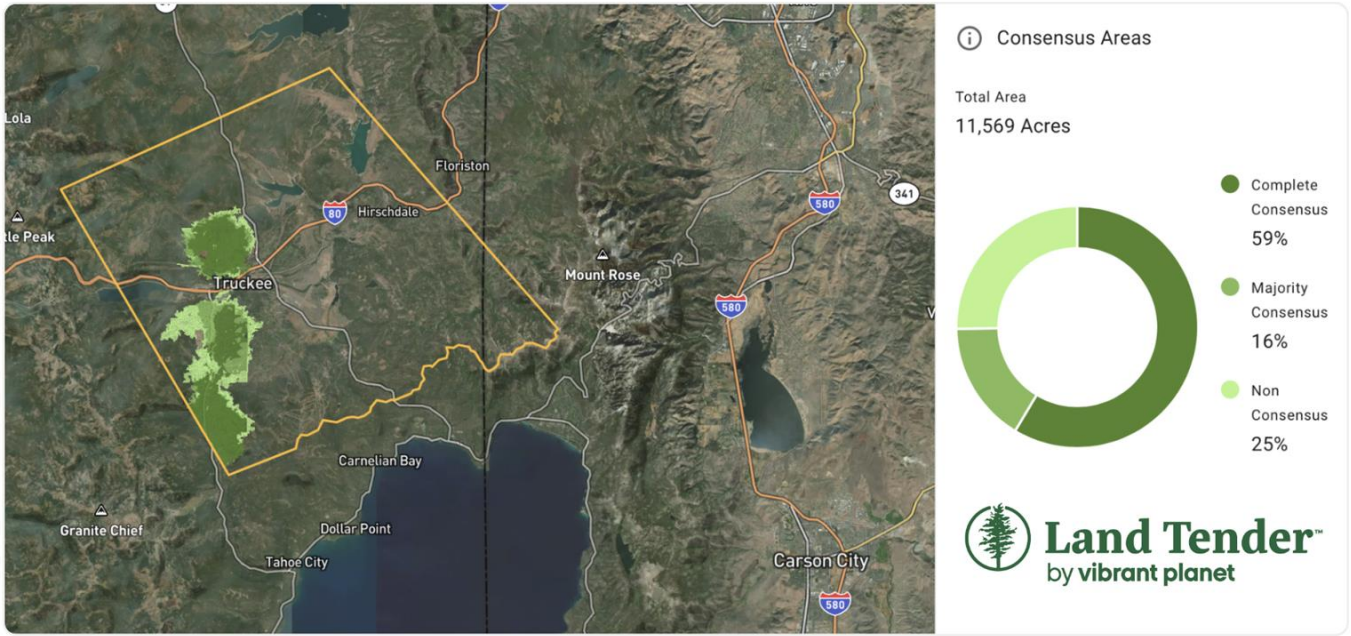
Land Tender™ by vibrant planet

Counties Better Manage Wildfire Resources, Funding and Tradeoffs with Land Tender, Analytics as a Service

Real-time collaborative scenario planning

Land Tender was designed to improve communication among interested parties and between natural resource planners and the public.

Multiple land ownership jurisdictions, community protection agencies, indigenous tribes, and NGOs can work together on Land Tender to create, share, and compare multiple land management scenarios, projected over time, to help groups better understand the tradeoffs of decisions they are making today. The system facilitates communication among interested parties working together across vast landscapes to fundamentally reduce wildfire severity and improve community and wildland resilience.



Why Land Tender™

- **Use trusted local data** in a user-friendly, cloud-based management interface which reflects the realities of current and constantly changing landscape conditions.
- **Create scenarios and compare trade-offs** of options developed by collaborators, optimized with their objectives and constraints, plus modeled long-term impacts of interventions, to help prioritize decisions with the highest restorative return on investment.
- **Monitor, report, and adapt** with data and insights reflecting current conditions, including treatment effectiveness and the effects of unplanned disturbances. Update plans based on changing priorities, budgets, and monitoring insights.

Contact: Zander Bonorris, zander@vibrantplanet.net

Questions and Comments?

mccgreggd@gmail.com