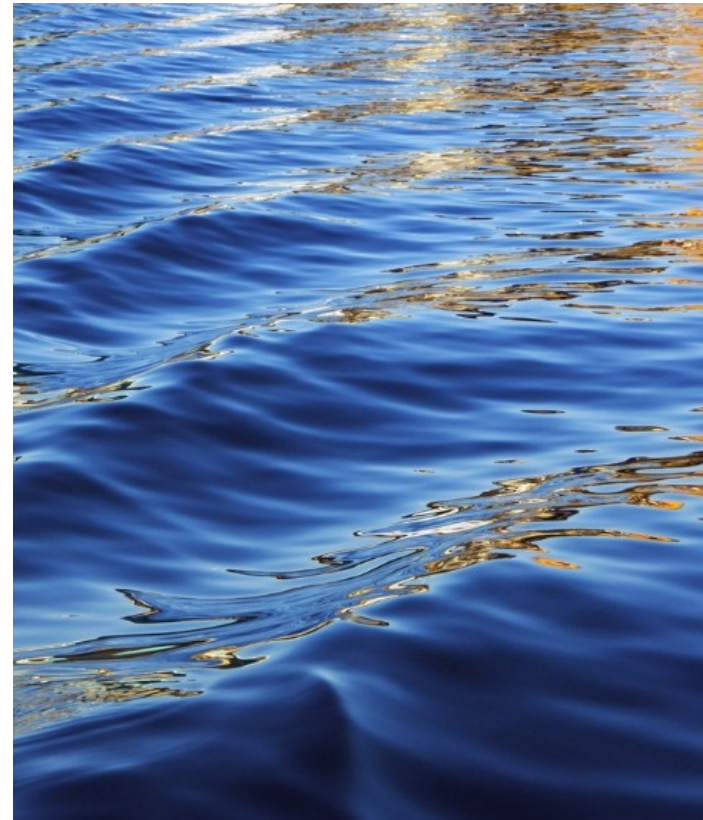




# Seawater Intrusion Working Group (SWIG)



# Agenda

- Welcome and introductions
- Purpose of SWIG
- Perceptions about SWIG – Survey Report
- Process Design
  - Inclusive
  - Welcome to the Future
- Decisions
  - Ground Rules
  - Membership
  - Meeting Dates and Times
  - Public Participation
  - Technical Advice
- Scope of Work
  - Science
  - CSIP
  - Funding
    - Grants
    - Permit Fees
    - Regulatory Fees
- Organizing to implement
- Update on County Well Moratorium associated with the 180/400 and Deep Aquifer.
- Summary and Conclusions
- Next Steps

# Introductions

- Who are you?
  - Who do you represent?
  - Where do you live?
  - Why is this work important to you?

# Juneteenth



A holiday celebrated on 19 June to commemorate the emancipation of enslaved people in the US. The holiday was first celebrated in Texas, where on that date in 1865, in the aftermath of the Civil War, slaves were declared free under the terms of the 1862 Emancipation Proclamation. In 1866 the 13<sup>th</sup> Amendment was passed ending slavery.



# Caveats

- This meeting is “foundational” and may be different than you expect
  - This process is designed to build a network that grows, changes and lasts
- I have never tried a virtual meeting like this
- Everything offered today is based on my experience with working with large groups of differing interests with the same desired outcomes
  - SVBGSA designed from ground up
  - Changed expectations of how we can work together on critical issues
- Discovery is everything
- We do this together
- My greatest desire is that we learn to overcome the histories that bind us

# Purpose of SWIG

- **Priority Management Action 6: Seawater Intrusion Working Group**
- SVBGSA will develop and coordinate a working group to address the issues associated with seawater intrusion. The working group will develop consensus on the current understanding of seawater intrusion in the Subbasin and adjacent subbasins subject to seawater intrusion, identify data gaps, and develop a broad-based plan for controlling seawater intrusion. The working group will include local agencies, landowners, stakeholders, and technical experts. The preliminary goal of the working group will be to develop consensus on the science of seawater intrusion in the Salinas Valley Groundwater Basin. The ultimate goal of the working group is to develop a comprehensive set of projects and management actions that control seawater intrusion while providing cost effective water supplies for the region.

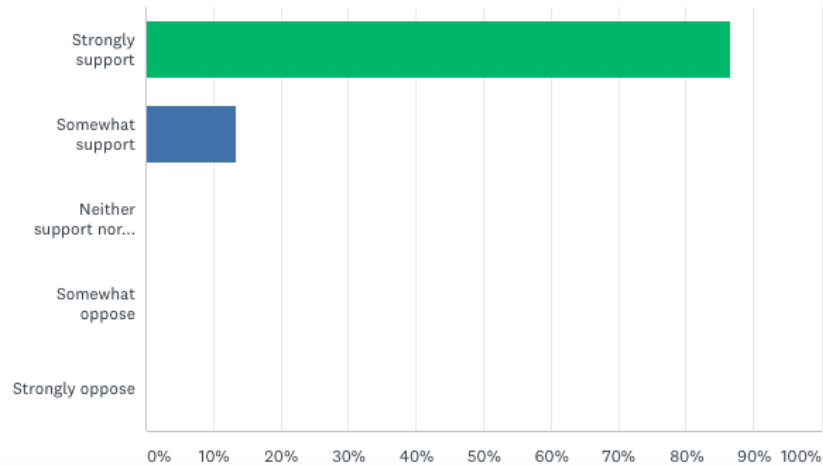
# Purpose of SWIG

- 9.3.7.2 Expected benefits and evaluation of benefits
- The primary benefit from this seawater intrusion working group is to pull together the best available science, data, and understanding of local seawater intrusion causes and potential resolutions. The outcome of this working group is an agreed-to approach for managing seawater intrusion.

# Perception of SWIG

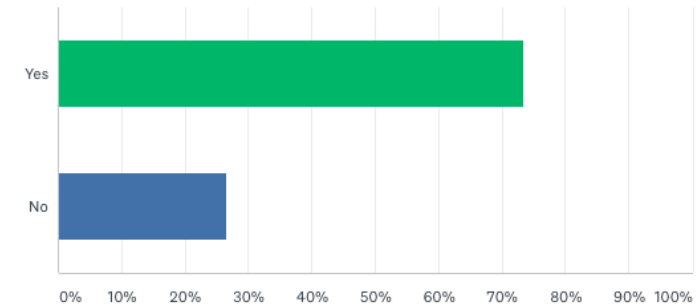
How much do you support development of the SWIG as the best approach for addressing Seawater Intrusion?

Answered: 15 Skipped: 0

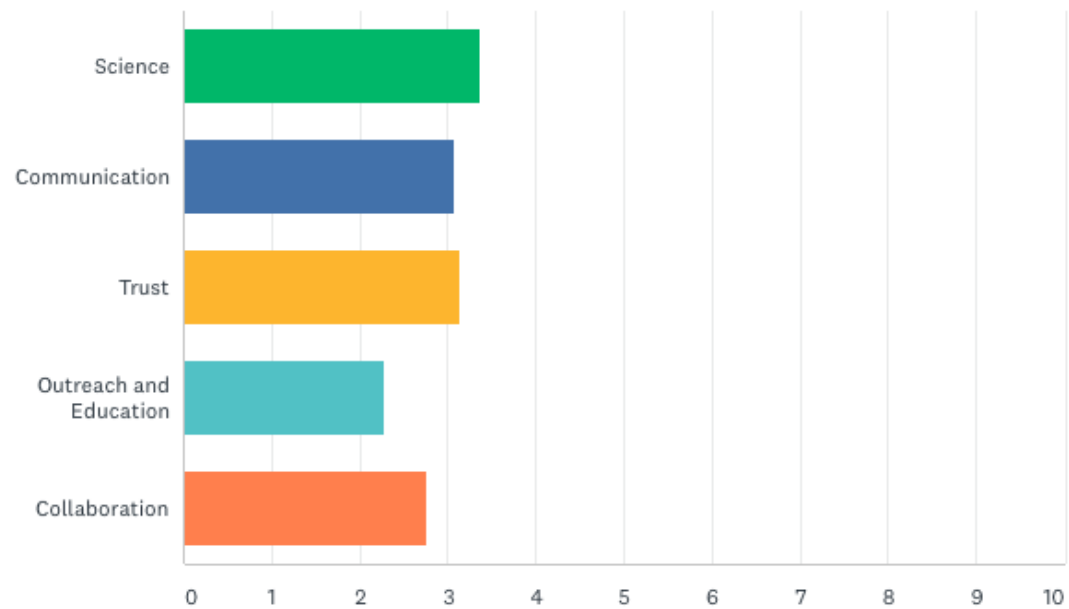


After viewing the roster do you believe the SWIG is bringing the right stakeholders and organizations to the table?

Answered: 15 Skipped: 0

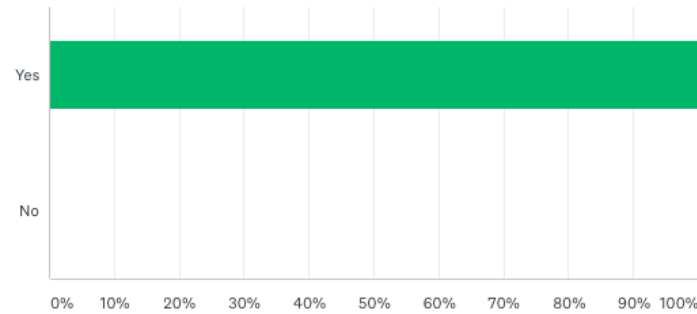


ANSWER CHOICES	RESPONSES	
Yes	73.33%	11
No	26.67%	4
Total Respondents: 15		

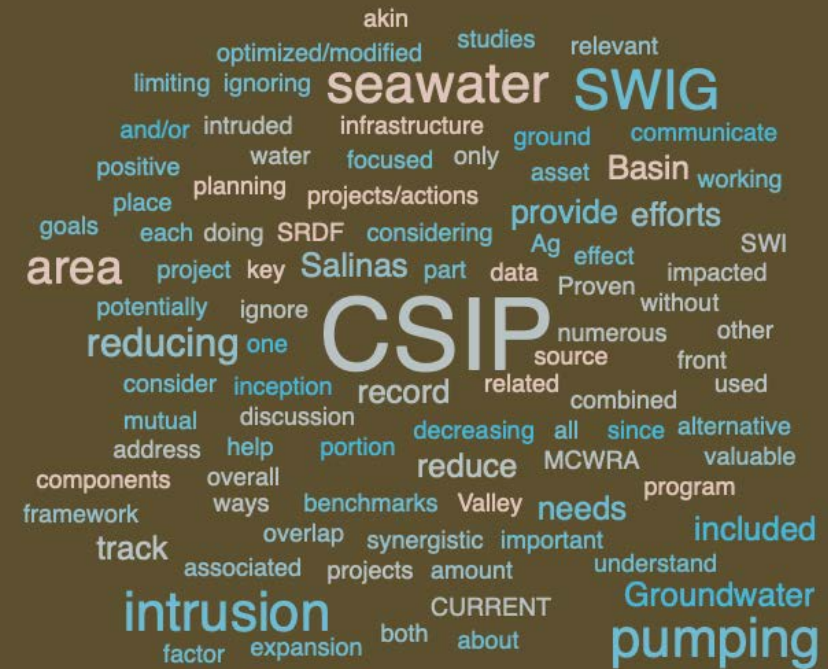


	1	2	3	4	5	TOTAL	SCORE
▼ Science	42.86% 6	7.14% 1	21.43% 3	0.00% 0	28.57% 4	14	3.36
▼ Communication	7.69% 1	30.77% 4	23.08% 3	38.46% 5	0.00% 0	13	3.08
▼ Trust	20.00% 3	20.00% 3	26.67% 4	20.00% 3	13.33% 2	15	3.13
▼ Outreach and Education	7.14% 1	21.43% 3	14.29% 2	7.14% 1	50.00% 7	14	2.29
▼ Collaboration	15.38% 2	15.38% 2	15.38% 2	38.46% 5	15.38% 2	13	2.77

Answered: 15      Skipped: 0



ANSWER CHOICES	RESPONSES
Yes	100.00%
No	0.00%
TOTAL	15





Agree that science and data (not politics) must be drivers

Develop a clear understanding of how SWI works

Reverse or halt SWI

Understand the importance of CSIP

Listen ,learn and collaborate to understand what is at risk and what is to gain for everyone

Give and take

## Summary

# Process Design



## Development of SWIG

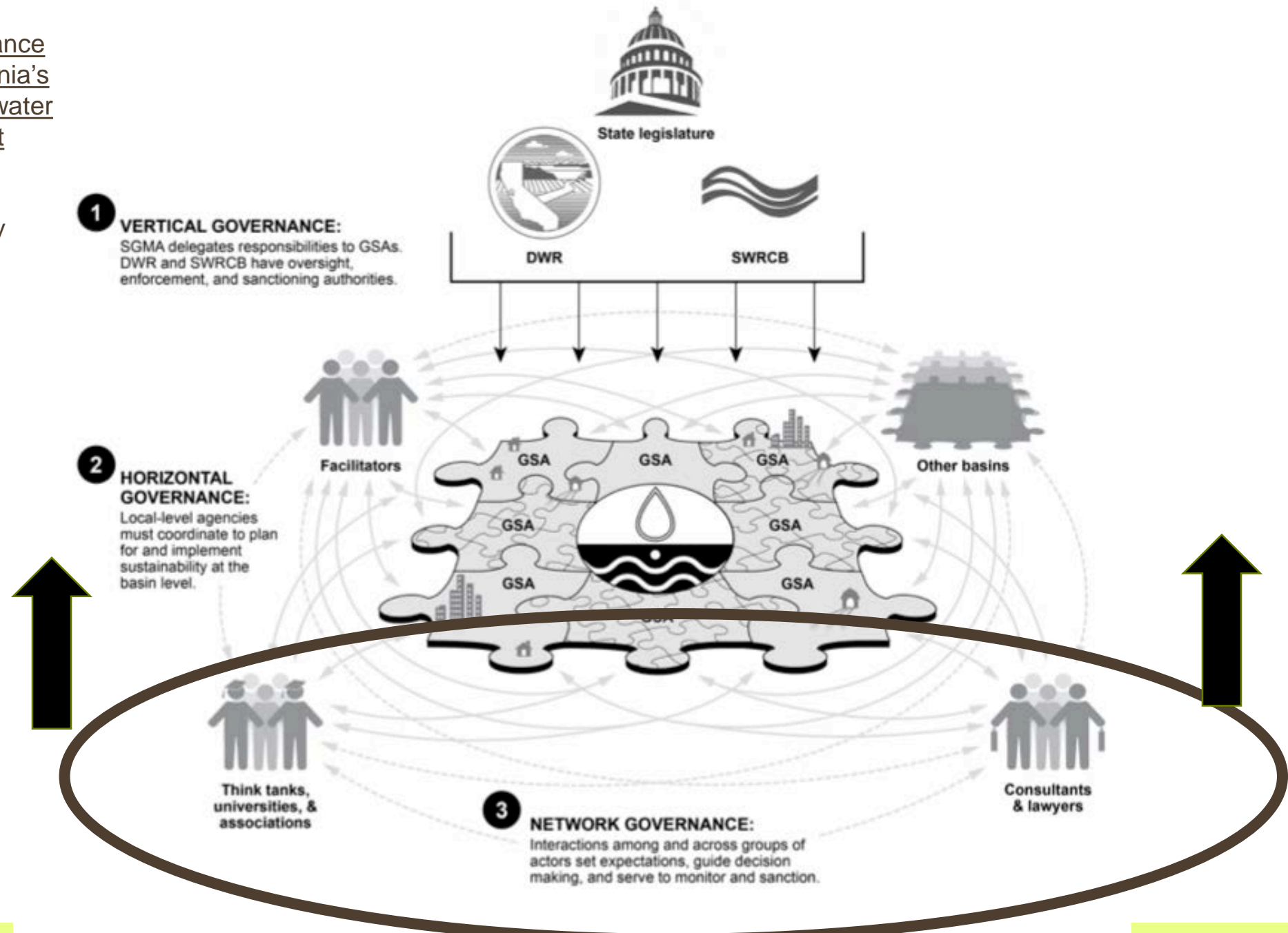
- Based on original 90 day working group
- Modeled after GSA formation meetings
- Identified as Management Action in GSP
- Working Group Network Format

## Definitions

- **Definition of *working group*** : a group of people who investigate a particular problem and suggest ways of dealing with it
- **Definition of *Network Governance***: " coordination that is characterized by organic or informal social systems, in contrast to bureaucratic structures within agencies and organizations and formal relationships between them.[\[1\]](#)

Concurrent Governance  
Processes of California's  
Sustainable Groundwater  
Management Act

Anita Milman  
and  
Michael Kiparsky



## Involved Agencies with Decision Making Power

- Castroville CSA (DAC)
- Monterey One Water
- City of Salinas
- City of Marina
- County of Monterey
  - Environmental Health
- Monterey County Water Resources Agency
- Marina Coast Water District
- SVBGSA



# Formation Dialogues

- Membership
  - Who is not here that needs to be here?
- Scope of Work
  - What are the specific areas of study
- How do we decide?
  - Agreement on recommendations and work product
- Who will make final decisions?
  - Which boards? Which Agencies?
- Ground Rules for meetings
  - Behaviors, attendance, time dates etc.

# Challenges

- History
- Distrust and suspicion
- Mixed science
- Lack of resources
- Lack of data
- Lack of working relationships
- Creating space to develop functional work group
- Agreement
- Pandemic



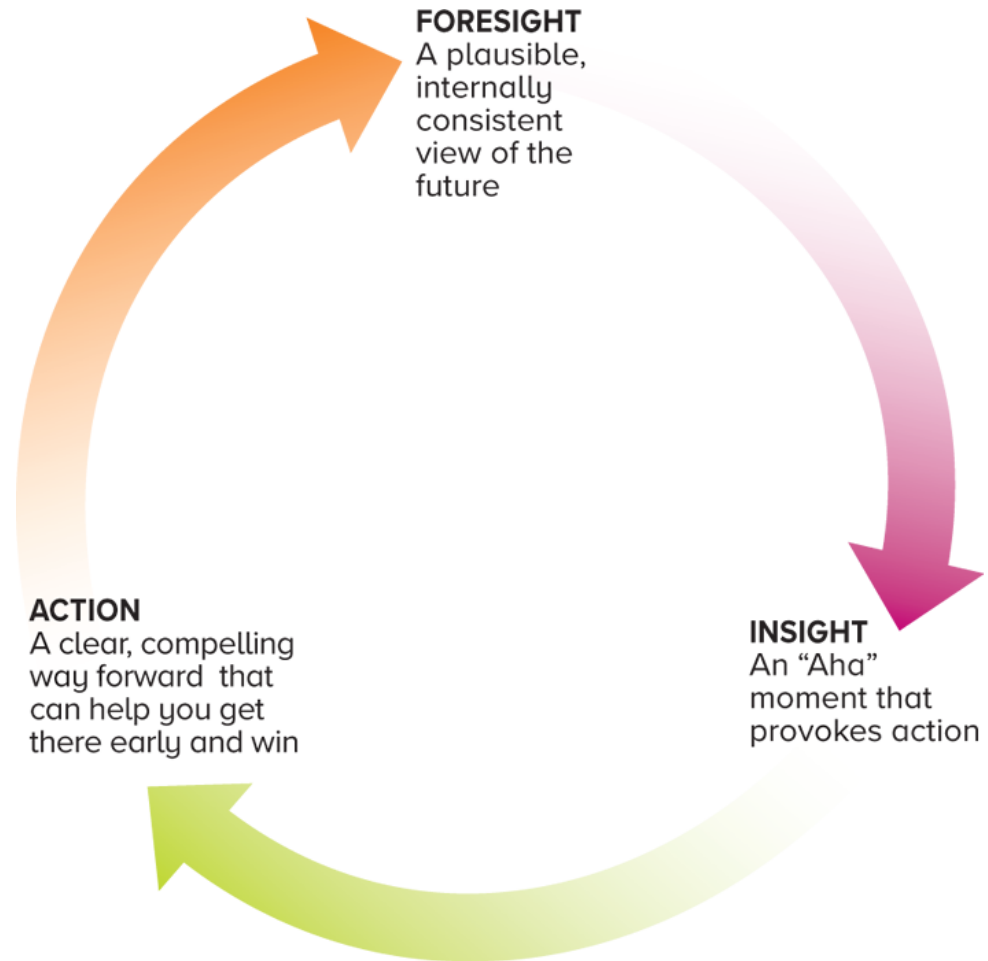
# Five Principles for Thinking Like a Futurist

1. Forget about predictions.
2. Focus on signals.
3. Look back to see forward.
4. Uncover patterns.
5. Create a community.

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# Forget about predictions

- No one can predict the future
- We can get ready for the future
- Its about seeing tides not waves
- Foresight and Insight drive Action



# Focus on signals



"The future is already here – it's just not very evenly distributed."

William Gibson

- Signals are all around us often at the edges and margins
- Signals can be anything
- Sensing – is the practice of groups or organizations discussing and aggregating signals



# Look back to see forward

- History does repeat itself – but not exactly
- Understanding historical patterns of behavior helps inform the future
- Understanding what changes the patterns of history guides our thinking
  - Communication
  - Technology

Castroville Lakes to Yield  
Eighty Million Gallons  
a Day.

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**NATURAL FILTRATION.**

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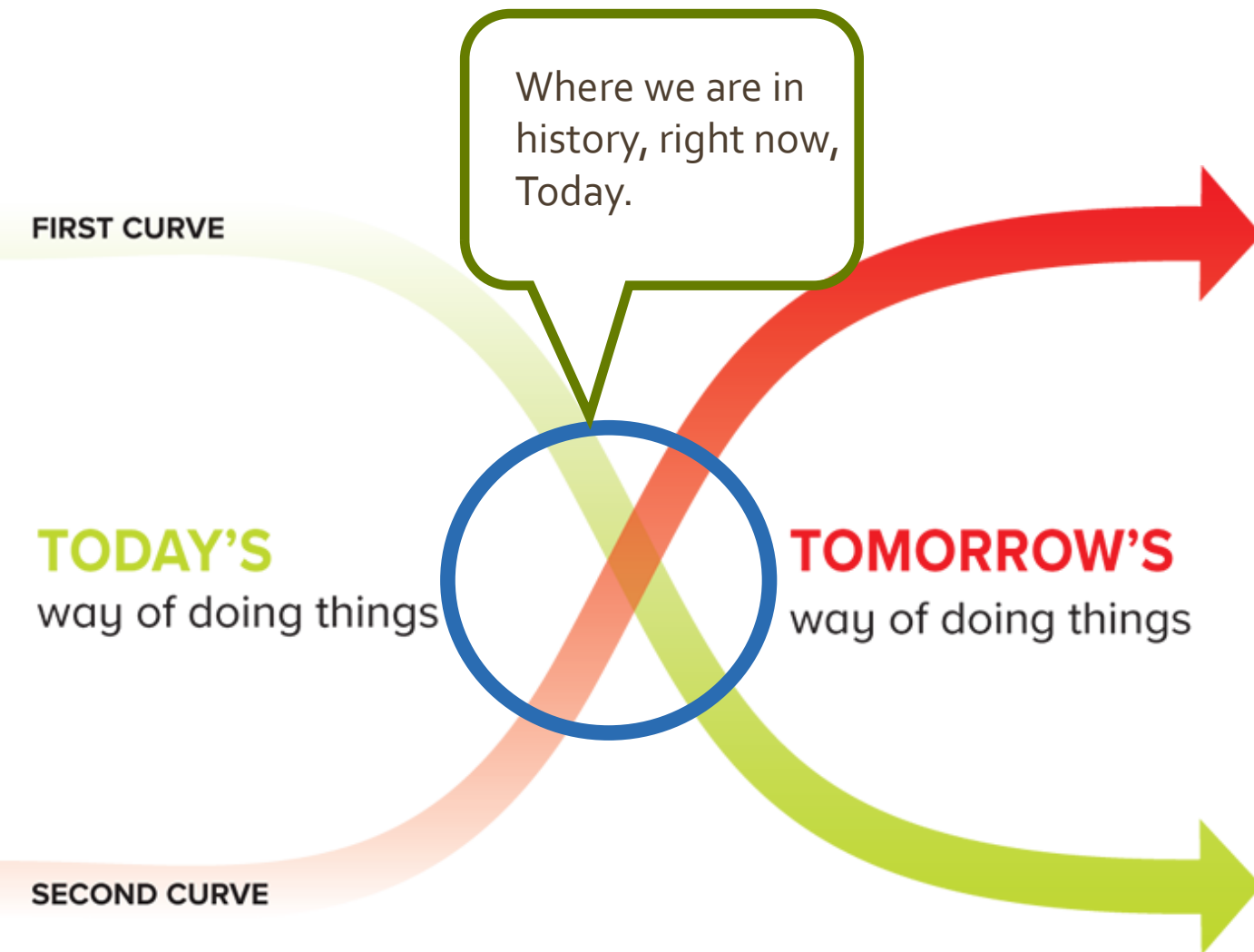
Could Be Brought in Steel Pipes  
at a Cost of Six and a  
Half Millions.

---

**"PURE AND INEXHAUSTIBLE."**

---

Plans and Estimates for a System  
That Might Solve the Water  
Problem for All Time.



## Uncover Patterns

The goal of aggregating signals and connecting these to the larger historical context helps us understand patterns of change—the deeper tides

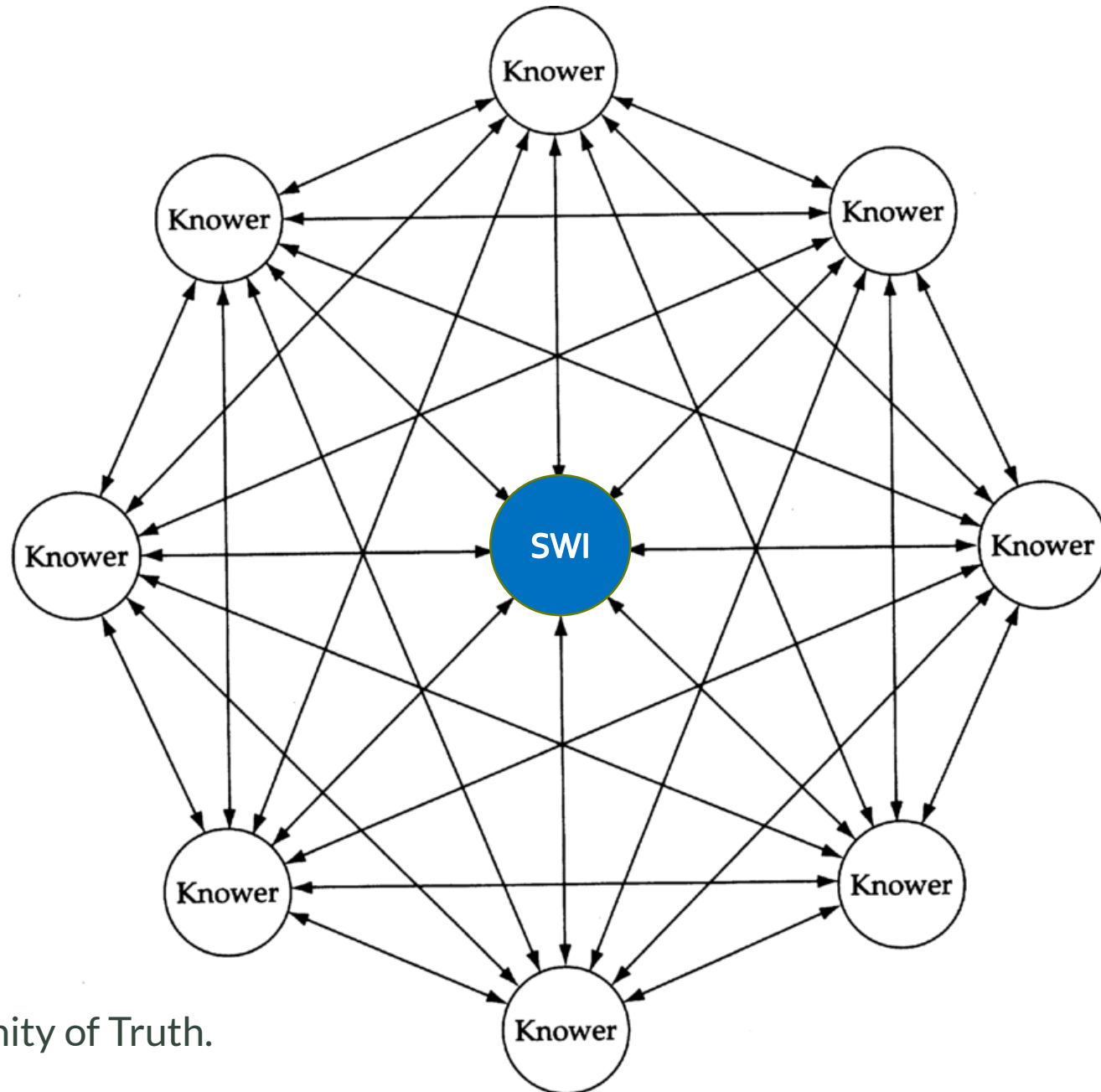
### The Two-Curve Framework

*Source:* Ian Morrison, Institute for the Future, 1996

# Create a Community

- Thinking about the future is a collaborative and highly communal affair. It requires a diversity of views. We need to involve experts from many different domains. When we think about anything, from higher education to work, we need to include people who bring different perspectives on the topic—





Palmer, P. (2005). The Community of Truth.

Back in 15



# Decisions

- Ground Rules
- Membership
- Meeting Dates and Times
- Public Participation
- Technical Advice



## Ground Rules

- State views and ask genuine questions.
- Share all relevant information.
- Use specific examples and agree on what important words mean.
- Explain reasoning and intent.
- Focus on interests, not positions.
- Test assumptions and inferences.
- Jointly design next steps.
- Discuss undiscussable issues.

## Meeting Dates and Times

- What is the best “standing” day and time for this group to meet.
- We can work on it now, or we can poll the entire group offline
- Thursdays are tough for the GSA

# Public Participation

- How and when?
  - GSA highly values transparency and participation
- GSA Board has directed eventual public participation
- Not a Brown Act Meeting
- Recording of meetings
- Documents posted
- Communication

## Technical Advisory Subcommittee?

- How would we like to proceed with technical input and oversight?
- Could form Committee
  - Many of us have Hydrologist on contract
- Could use GSA Hydrologist (Montgomery and Associates)
- Any variation that works

## Scope of Work – 3 Areas

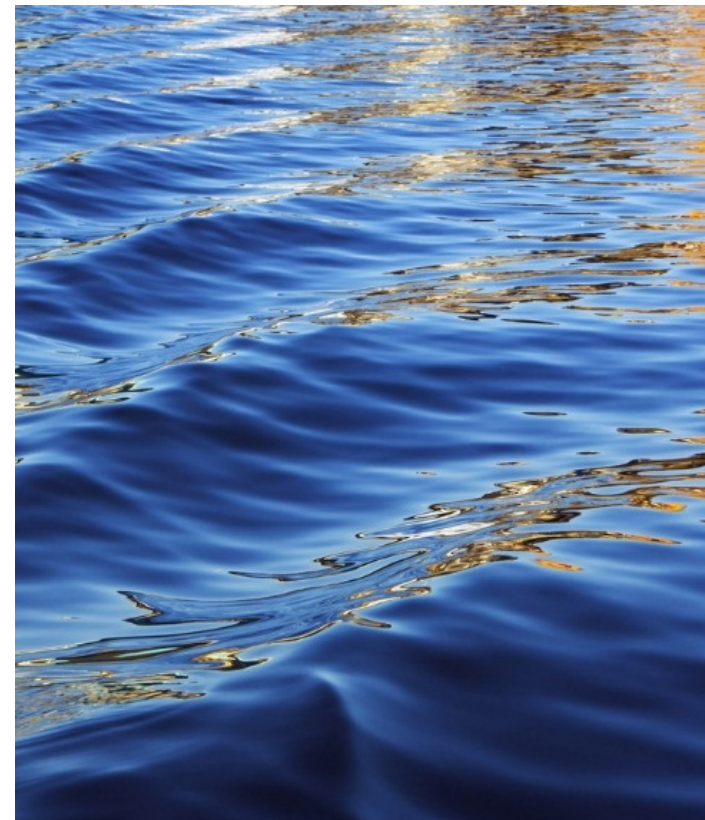
- Science
- CSIP
- Funding
  - Grants
  - Permit Fees
  - Regulatory Fees

# Organizing to implement

- How do we organize ourselves to do the work?
  - Subcommittees or individuals take on task?
- How do we gather information on what is already happening?
- How do we communicate?
- How do we receive the information we need?
- How do we decide?
- How do we agree or disagree?



# Ordinance Update Working Group



## Background

- May - Board of Supervisors presented with two emergency ordinances to consider regarding the updated Seawater Intrusion Recommendations
  - One with replacement wells one without
- Emergency Ordinance requires 4/5 vote which was not reached
- Existing Ordinance expired defaulted to General Plan
  - Allows replacement wells
- CAO directed to form working group to advise him



# Current Regulation

- General Plan language which reads:

PS-3.5 of the 2010 Monterey County General Plan which provides

The Monterey County Health Department shall not allow construction of any new wells in known areas of saltwater intrusion as identified by Monterey County Water Resources Agency or other applicable water management agencies:

a. Until such time as a program has been approved and funded that will minimize or avoid expansion of salt water intrusion into useable groundwater supplies in that area; or

b. Unless approved by the applicable water resource agency.

This policy shall not apply to deepening or replacement of existing wells, or wells used in conjunction with a desalination project.

## Working Group

- Farm Bureau Representative
- Grower Shippers Representative
- GSA Staff (3)
- Water Resources Staff (3)
- Environmental Health Staff (3)

## Process

- Working Group evaluates and makes recommendations
- Stakeholder Engagement to evaluate recommendations
  - Agricultural Stakeholder Forum
  - Public Stakeholder Forum
- Forum input evaluated and included in recommendations
- Final recommendation to combined stakeholder forum
- Recommendations to CAO
- Return to Board with Ordinance late summer early fall

# Questions and Comments

# Next Steps

- Next Meeting
- Receive report from Water Resources Agency
  - CSIP Actions
  - Well Destruction
- Homework –Develop Scope- Return with ideas
  - Development of Science
    - How to develop TAC
  - Funding for Science

How was this Meeting?  
Everyone Speak