



Presentation and update on the development of the EAHCP Data Management Program

March 17, 2016





Presentation outline

- Why do this?
- EAHCP database goals
- How do we get there?
- Data needs assessment (DNA)
- Prospective timeline
- Questions?





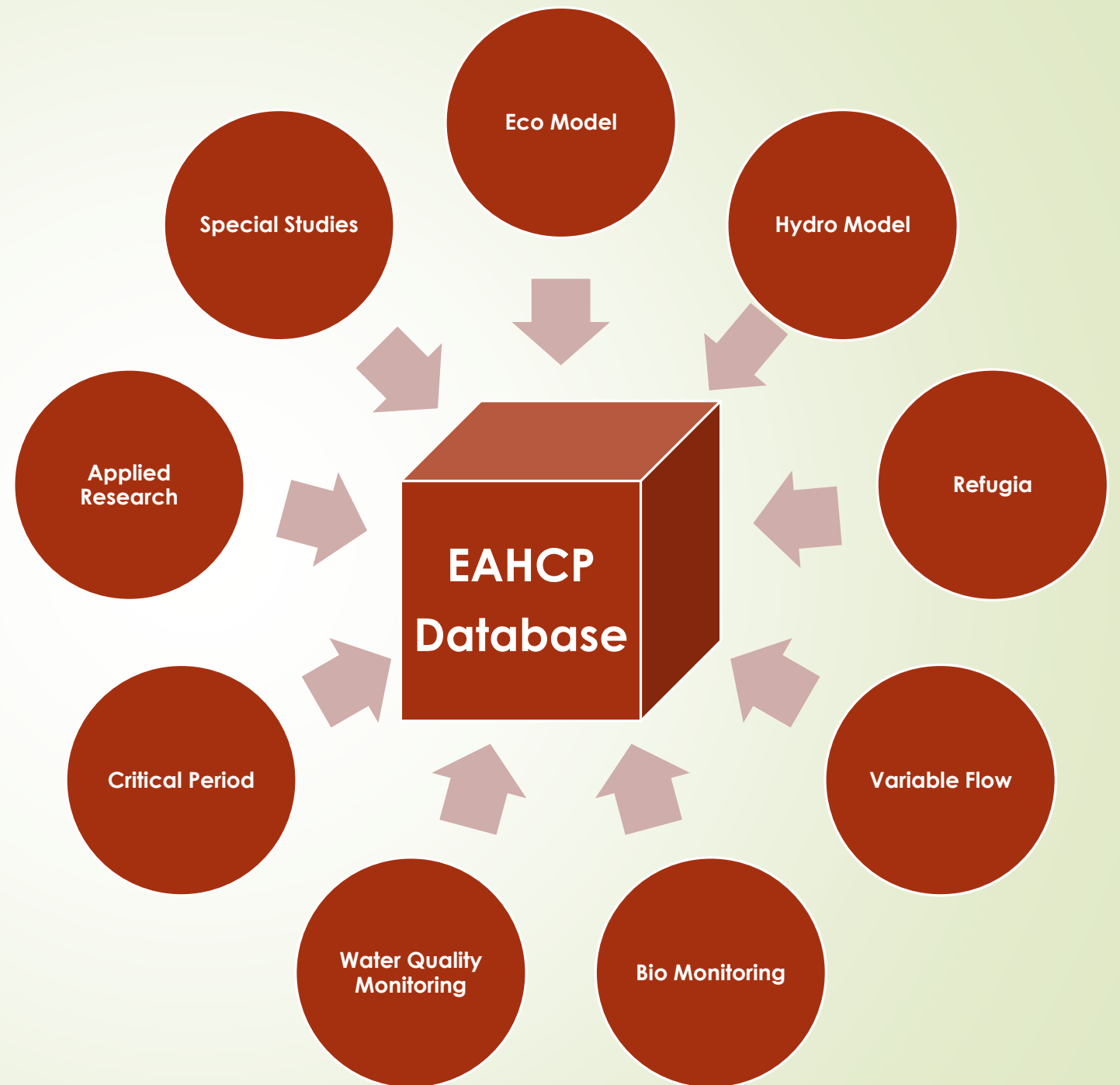
Why develop an EAHCP database?

“A well-planned and implemented information management system will make all aspects of the HCP more likely to succeed.”

- National Academy of Sciences
Report 1



Data sources



BIO MONITORING, PARTIAL DATA OVERVIEW

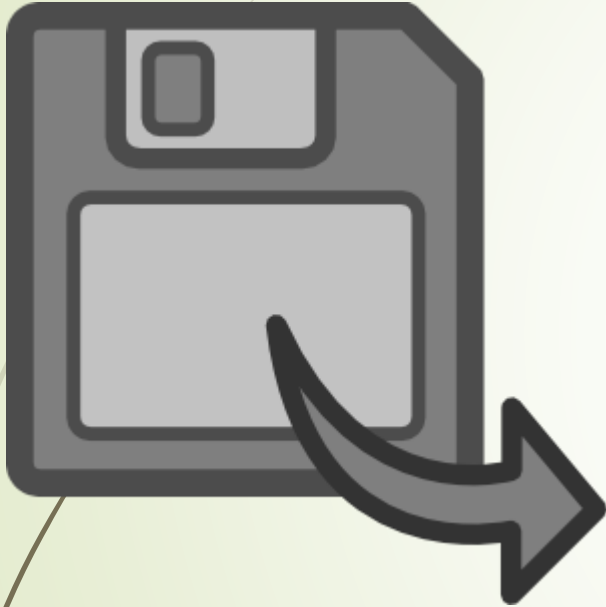
Sampling Component	System	Date	Format
Standard Operating Procedures	Comal and San Marcos	2015	Report - pdf
Aquatic Vegetation Maps	Comal and San Marcos	2001 - 2015	GIS files
TWR Maps	Comal and San Marcos	2001 - 2015	GIS files
TWR Physical Observations	Comal and San Marcos	2001 - 2015	Excel files
Fixed Station Photography	Comal and San Marcos	2001 - 2015	Photos organized by date
Fountain Darter Dropnetting	Comal and San Marcos	2001 - 2015	Access Database
Fountain Darter Dipnetting			
Timed surveys	Comal and San Marcos	2001 - 2015	Access Database
Randomly selected - 50 sites	Comal and San Marcos	2006 - 2015	Access Database
Fixed station - 50 sites	Comal and San Marcos	2013 - 2015	Access Database
Fountain Darter Visual observations	Comal	2001 - 2015	Excel files
Fish Community Data	Comal and San Marcos	2013 - 2015	Excel files
Macroinvertebrate Sampling	Comal and San Marcos	2013 - 2015	Access Database
Salamander Visual Observations	Comal and San Marcos	2001 - 2015	Excel files
Comal Invertebrate Drift Nets	Comal	2003 - 2015	Excel files
Comal Springs Riffle Beetle lure	Comal	2004 - 2015	Access Database
Comal Springs Riffle Beetle Quadrat sampling	Comal	2001 - 2003	Excel files
Predation Study	Comal and San Marcos	2001 - 2015	Excel files
Water Quality Grab Samples	Comal and San Marcos	2001 - 2015	Access Database
Temperature Tidbits	Comal and San Marcos	2001 - 2015	Excel files
Landa Lake Flow Partitioning Data	Comal	2013 - 2015	Excel file
Spring Run Flow Measurements (Cross-sections)	Comal	2003 - 2015	Excel file
Master Naturalist Data	Comal	2006 - 2015	Excel file
Annual Reports	Comal and San Marcos	2001 - 2015	Report - pdf

What will an EAHCP database get us?

- Provide an integrated data set
- Secure administrative record
- Facilitate program evaluation to improve management effectiveness



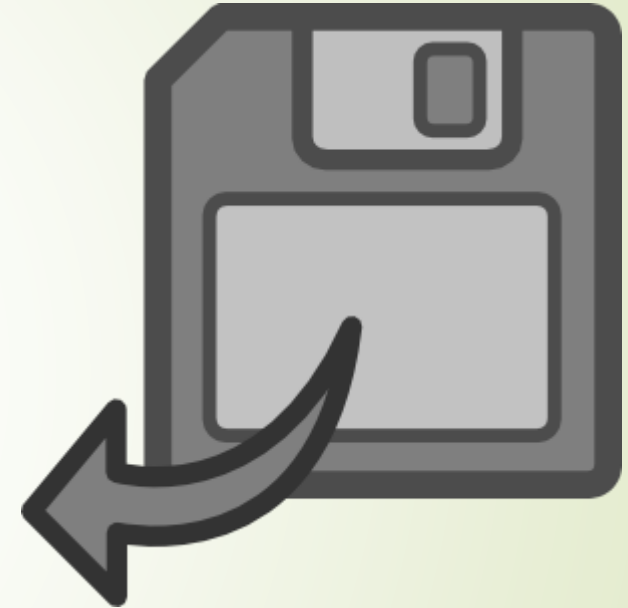
Execution plan



- **Inventory & characterize data**
- **Assess needs**
- **Identify possible solutions**
- **Finalize & distribute RFP**

Execution plan

- Select a vendor
- Develop the database
- Migrate & test data
- Accept database
- Provide training



Data needs assessment

- ➔ Distributed via e-mail
- ➔ Share with others
- ➔ 9 questions identifying
 - ➔ Primary data needs
 - ➔ Important data types
 - ➔ Request frequency

PLEASE READ: The Edwards Aquifer Habitat Conservation Plan (EAHCP) has collected a wide variety of data related to the Comal and San Marcos systems and their biota through its Expanded Water Quality Monitoring, Biological Monitoring, and Applied Research programs over the past 15 years. The EAHCP will be undertaking an initiative to develop a system to easily consolidate, display, and quickly report on all EAHCP data. This system will be designed so the EAHCP staff can easily respond to external data requests. We would love to hear your suggestions which will help deliver the most effective product possible. If any questions do not pertain to you, or you are unsure how to answer, please feel free to answer only those items which apply.

1. Please provide your full name and affiliation (i.e., John Doe, EAA).

2. What is your level of familiarity with the EAHCP?

- Very familiar
 Somewhat familiar
 Not familiar at all

3. What is your primary need for EAHCP data (research, monitoring, regulatory, etc.)? Please be as specific as possible.

4. Please describe the types of data most important to your work (e.g., bio monitoring, water quality, etc.). Please be as specific as possible (e.g., Fountain Darter drop-net sampling, dissolved oxygen, etc.).

5. What will using the EAHCP data allow you to do?

6. How often do you anticipate requesting EAHCP data?

7. What is your level of need for EAHCP data?

- Great need
 Moderate need
 No need

Prospective Timeline

Activity	Dates (2016)
• DNA to Implementing & Stakeholder Committees	March 17
• DNA Response Deadline	March 25
• Create Vendor Short-List	April 29
• Present Final Project and Proposed Budget to Implementing Committee	May 19
• Release RFP	June
• RFP Closes and Vendor Selection	July
• Implementing Committee Approves Amended EAA Funding Application	August 18
• Board Contract Approval	September 13



HABITAT CONSERVATION PLAN

EDWARDS
AQUIFER

