

EAHCP Data Analysis

Purpose: Receive Science Committee recommendations on a list of questions to be answered through an analysis of existing data that will enhance our ability to achieve the EAHCP biological goals and objectives.

Discussion by Springs system:

- What questions should we ask of the data with respect to our achievement of the biological goals and objectives?
- What minimal analysis should be done on the data?

Sources of Data:

Biological Monitoring Data (2000-2014)	
Comal River	San Marcos River
1. Springflows	1. Springflows
2. Low-Flow sampling	2. Low-Flow sampling
3. Critical Period/HCP Low-Flow sampling	3. Critical Period/HCP Low-Flow sampling/Species specific Low-Flow sampling
4. High-Flow sampling	4. High-Flow sampling
5. Water Quality Sampling a. water temperature thermistor b. water quality grab samples c. Master Naturalist monitoring d. Manta 2 Sonde data e. Landa Lake dissolved oxygen monitoring	5. Water Quality Sampling a. water temperature thermistor b. water quality grab samples c. Manta 2 Sonde data
6. Aquatic vegetation monitoring a. Upper Spring Run reach b. Landa Lake reach c. Upper New Channel reach d. Lower New Channel reach	6. Aquatic vegetation monitoring a. Spring Lake Dam reach b. City Park reach c. I-35 reach d. Texas wild-rice annual mapping
7. Fountain darter a. drop nets b. dip nets c. visual observations d. fish community sampling	7. Fountain darter a. drop nets b. dip nets c. presence/absence dip net surveys d. fixed-station dip netting

Attachment 3

	e. fish community sampling
8. Exotics/Predation a. gill nets	8. Texas wild-rice physical observations a. Sewell Park b. I-35 reach
9. Comal Springs salamander visual observations	9. San Marcos salamander visual observations
10. Macroinvertebrate community sampling a. drift net sampling b. Comal Springs riffle beetle c. Macroinvertebrate community sampling	10. Macroinvertebrate community sampling a. Macroinvertebrate community sampling

Other possible data sources

EARIP reports

EAA/EAHCP Applied Research

EAA water quality data (stormwater and ambient) collected by EAA and SWCA

EAA monitoring well levels and water quality

SMARC Annual Reports

TPWD studies

USFWS studies

USGS studies

TXST thesis and dissertations

Meadows Center research and reports

City of San Marcos

City of New Braunfels

GBRA

Other Historic documents (locate with web search)