

### **EAHCP Applied Research Categories**

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**1. Conservation measures ✓**

*Assessing the effectiveness of EAHCP Conservation Measures, and the efficiencies of the benefits to the Species, in achieving Biological Objectives & Goals.*

**2. Quantitative sampling methods ✓**

*Ensuring sampling methods are reliable, valid measures for Species; ensuring they permit evaluation of trends over time; and that they are consistent with Biological Objectives & Goals.*

**3. Habitat quality ✓**

*Evaluating whether habitat is of sufficient quality for Species, and validating HCP's assumptions related to habitat, consistent with Biological Objectives & Goals.*

**4. System memory/Disturbance ecology ✓**

*Measuring the effects of disturbance (e.g., drought, scouring floods, etc.) on the system, and the resilience of the system in rebounding post-disturbance as it relates to Biological Objectives & Goals.*

**5. Data ✓**

*Data management considerations relevant to existing and future data to be collected, as well as considerations for analysis of existing data relevant to Biological Objectives & Goals.*

#### **Categories Not Fitting Within the Applied Research Program:**

**1. Study reaches**

*Evaluating the appropriateness of study reaches in the Comal and San Marcos systems will be conducted by the Biological Monitoring Work Group.*

**2. Water quality**

*Assessing water quality issues for the Comal and San Marcos systems, including watershed concerns and tailoring programs to the needs of species, not typical human health measures, will be conducted by the Water Quality Monitoring Work Group.*

**3. Eco-model**

*Validating the eco-model and other research applications related to the eco-model will be conducted within the scope of the EAA's modeling program.*

**4. Basic biology of Species**

*Starting in 2017, studies related to aspects of the basic biology of Species will be conducted through the Refugia Research Program.*