



CREATION OF THE
SCIENCE WORK GROUP
“RESEARCH WORK GROUP”

EAHCP RESEARCH PROGRAMS

1. REFUGIA RESEARCH PROGRAM

- ▶ Task 2 of the EAA-USFWS Refugia contract details Refugia research program.

TABLE 1 Species Federally Listed as Threatened or Endangered:	Priority Ranking
Comal Springs Riffle Beetle (<i>Heterelmis comalensis</i>);	1
Comal Springs Dryopid Beetle (<i>Stygoparnus comalensis</i>);	1
Pecks Cave Amphipod (<i>Stygobromus pecki</i>);	1
Texas Blind Salamander (<i>Eurycea</i> (+ <i>Typhlomolge</i>) <i>rathbuni</i>);	2
San Marcos Salamander (<i>Eurycea nana</i>)	2
Fountain Darter (<i>Etheostoma fonticola</i>)	3
Texas Wild Rice (<i>Zizania texana</i>)	3
Species Petitioned for Listing as Endangered	
Texas Cave Diving Beetle (<i>Haideoporus texanus</i>)	4
Texas Troglotic Water Slater (<i>Lirceolus smithii</i>)	4
Comal Springs Salamander (<i>Eurycea</i> sp.)	4


TABLE 2 Research Topics	Priority Ranking
Collection Methods and Techniques	1
Species Husbandry	2
Species Propagation	3
Species Genetics	4
Species Reintroduction Methods	4



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2. APPLIED RESEARCH PROGRAM

- Applied Research workgroup met in Fall 2015 to produce 2016-2019 Applied Research Project Schedule



2018	1. Habitat Quality & Requirements	1. Peck's Amphipod quantitative sampling techniques
	2. Conservation Measures	1. Evaluate success of SAV restoration & TWR enhancement (coincides w/ 5 yr SAV mapping) (NAS 44, 47, 48)
		2. Confirm species-specific Tables 4-1, 4-21
		3. Evaluate success of flow-split management
3. TBD	1. TBD/Contingency	
2019	1. Conservation Measures	1. Evaluate success of removal of invasive animal species and reduction of introduction
		2. Evaluate success of Sessom Creek sand bar removal and sediment removal efforts
	2. TBD	1. TBD/Contingency

- Dynamic nature of program merits continued scientific review and input
- Validation of modeled stream temperatures during low flows with recent drought conditions.

RESEARCH WORK GROUP

PROPOSED CHARGE

- Suggest specific Applied Research projects to be conducted during 2018 and 2019 as part of the Applied Research Program; and
- Suggest refinements to the methodology proposed for Refugia research projects

PROPOSED MEMBERSHIP

- Chad Norris
- Tom Arsuffi
- Floyd "Butch" Weckerly
- Conrad Lamon

