

SOUTHERN EDWARDS PLATEAU HABITAT CONSERVATION PLAN

ENDANGERED SPECIES ACT

INCIDENTAL TAKE PERMIT ANNUAL REPORT

FOR FY 2024 – 2025

PERMIT NUMBER TE-48571B-0

April 27, 2026

U.S. Fish and Wildlife Service
Austin Ecological Services Field Office
10711 Burnet Road, Suite 200
Austin, Texas 78758

U.S. Fish and Wildlife Service, Region 2
Branch of Environmental Review
P.O. Box 1306, Room 6034
Albuquerque, New Mexico 87103

RE: Annual Report for 2024 – 2025 Fiscal Year required by Endangered Species Act Incidental Take Permit TE-48571B-0 for the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP)

To whom it may concern:

This letter comprises the annual permit report for the 2024 – 2025 Fiscal Year (October 1, 2024 through September 30, 2025) for the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP), as required by Box 12. Reporting Requirements and Box 13. ANNUAL REPORT of permit number TE-48571B-0. *“An annual report will describe the previous calendar year's activities in compliance with this permit and Section 12 of the SEP-HCP. Annual reports will be submitted each year for the duration of this permit area.”* SEP-HCP Section 12.1 requires the submission of an annual report *“to document progress towards achieving the goals and objectives of the SEP-HCP and demonstrate compliance with the terms and conditions of the Permit.”*

This report was prepared by Blair Wildlife Consulting, LLC (BWC) on behalf of Bexar County, Texas and the City of San Antonio (the Permittees) and describes compliance with the permit between October 1, 2024 (permit effective date) and September 30, 2025.

In accordance with SEP-HCP Section 12.1, activities for the 2024 – 2025 Fiscal Year (October 1, 2024 through September 30, 2025) are reported below in the following sections and any required supporting information is included as attachments to this letter.

Although the Permit was issued February 5, 2016 and effective as of January 18, 2016, official acceptance and execution of the Permit by the Permittees occurred on April 18, 2017.

1. SEP-HCP PARTICIPANTS AND ENROLLED PROPERTIES

A summary of participation in the SEP-HCP, including a list of Participants and Enrolled Properties and the corresponding acreages covered for incidental take for each of the Covered Species is included below.

A total of eleven Participants / Enrolled Properties occurred during the 2024 – 2025 Fiscal Year. The complete list of Participants and Enrolled Properties is included in **Attachment A**. An exhibit depicting the locations of each of the Enrolled Properties within the Permit Area is also included as part of **Attachment A**. Copies of all Participation Agreements and Participation Certificates for Participants and Enrolled Properties that occurred during the 2024 – 2025 Fiscal Year can be provided to the Service upon request.

Five Participants / Enrolled Properties reported occurrences of previously undiscovered voids or other karst features that were encountered during implementation of covered activities by the Participants/Enrolled Properties during the 2024 – 2025 Fiscal Year. A summary of the Participants / Enrolled Properties in which previously undiscovered voids or other karst features were encountered during implementation of covered activities during the 2024 – 2025 Fiscal Year is included in **Attachment E**. Additional information, documentation, and coordination are included in the SEP-HCP program files and can be provided upon request.

2. SEP-HCP PRESERVE SYSTEM

No GCW or BCV preserves were established during the 2024 – 2025 Fiscal Year.

As part of the initial conservation actions required prior to beginning enrollment of participants in the SEP-HCP for the Covered Karst Invertebrates, the SEP-HCP established six (6) karst fauna areas (KFA) within Government Canyon State Natural Area (GCSNA) during the 2016 – 2017 Fiscal Year. Two additional KFAs, the Northern Preserve and Panther Springs Park Preserve, were established during the 2017 – 2018 Fiscal Year. The Crane Bat Cave Preserve KFA was established during the 2022-2023 Fiscal Year. The total preserve acres, the acres of suitable habitat for each of the Covered Species, and current status of the Conservation Baseline for the Covered Karst Invertebrates is included in **Attachment B**.

The Permittee's request that the Service provide an update of all other conservation actions completed by other sponsors in order to evaluate the current status towards achievement of the Conservation Baselines¹ as well as any information on new localities for the Covered Karst Invertebrates. The SEP-HCP may provide incidental take authorization for Covered Activities conducted within an Occupied Cave Zone only after certain baseline levels of conservation have been achieved for the Covered Karst Invertebrates that occur in the associated karst feature.

The Conservation Baselines are based on the downlisting criteria described in the Bexar County Karst Invertebrates Recovery Plan (USFWS 2011b). Achievement of the Conservation Baselines will be evaluated and determined on a species-by-species and region-by-region (i.e., by Karst Fauna Regions or "KFRs") basis. All qualifying conservation actions² that have been implemented for the Covered Karst Invertebrates will be considered in the determination, regardless of the sponsor of the conservation action. All karst preserves that the Service deems as contributing towards recovery of the Covered Karst Invertebrates will contribute to the karst Conservation Baseline, even if the preserves were protected by an entity or effort other than the SEP-HCP.

3. SEP-HCP PRESERVATION CREDITS LEDGER

The conservation ledger documenting Preservation Credits generated and deducted for the GCW for the 2024 – 2025 Fiscal Year is included in **Attachment C**.

No BCV Preservation Credits were generated or deducted during the 2024 – 2025 Fiscal Year, as the species was delisted by the Service.

4. SEP-HCP FINANCIAL STATUS

A summary of the financial status of the SEP-HCP, including the balance and performance of the non-wasting management endowment is included below and a copy of the financial statement is included in **Attachment D**.

The Interlocal Agreement executed by the Permittees on February 24, 2017 identifies the annual allocations and responsibilities of each Permittee and was provided to the Service upon execution and was included as part of the 2016 – 2017 Fiscal Year Annual Report.

The non-wasting management endowment was established during the 2017 – 2018 Fiscal Year as the SEP-HCP established two new preserves for the Covered Karst Invertebrates during the reporting period. All contributions were made in accordance with the SEP-HCP endowment requirements.

¹ The Conservation Baselines are the minimum requirements needed for each of the Covered Karst Invertebrates within each KFR based on the downlisting criteria described in the Bexar County Karst Invertebrates Recovery Plan (USFWS 2011b).

² Qualifying conservation actions would be any other activity outside of preserve acquisition, which would be considered and approved by the Service as contributing to the conservation baseline for the Covered Species. Examples of qualifying conservation actions could include, but are not limited to: surveying for new localities for the Covered Karst Invertebrates; establishing additional protections to currently known Covered Karst Invertebrate-occupied features; establishing protection of the areas surrounding a feature in the event that additional protective measures cannot be placed on the features entrance, or implementing protective measures necessary to improve the long-term viability of the occupied feature.

5. MANAGEMENT ACTIVITIES ON PRESERVE LANDS AND PRESERVE MANAGEMENT PLAN UPDATES

Management activities conducted on SEP-HCP preserve lands were conducted in accordance with the Government Canyon State Natural Area Karst Fauna Areas Management and Monitoring Plan dated February 6, 2017, Northern Preserve Karst Fauna Area Management and Monitoring Plan dated June 27, 2017, Panther Springs Park Preserve Karst Fauna Area Management and Monitoring Plan dated September 14, 2018, and the Crane Bat Cave Preserve Karst Fauna Area Management and Monitoring Plan dated August 10, 2023.

No updates to any Preserve Management Plans were completed during the 2024 – 2025 Fiscal Year.

6. BIOLOGICAL MONITORING ACTIVITIES ON PRESERVE LANDS AND OTHER SURVEYS OF THE COVERED SPECIES AND THEIR HABITATS

Biological monitoring activities were completed as part of the establishment and management of the Government Canyon State Natural Area Karst Fauna Areas, Northern Preserve, Panther Springs Park Preserve, and Crane Bat Cave Preserve. All results of the activities were reported as part of the annual reporting requirements for work conducted under Endangered Species Act Section 10[A][1][a] permit TE85077A-1.

7. COMMUNITY EDUCATION AND OUTREACH PROGRAMS AND RESEARCH

The SEP-HCP conducts numerous education and outreach events, meetings, and notifications to inform potential applicants of the SEP-HCP program annually. Specific examples include Habitat Compliance Form reviews and coordination regarding development projects and option for participation in the SEP-HCP, meetings with potential applicants, meetings with staff, other departments, advisory boards, leadership, and elected officials regarding the SEP-HCP and implementation progress. The Permittees also continue to maintain an additional website that contains all necessary information on how to participate in the SEP-HCP; background information on the SEP-HCP, and its administration: <https://www.sanantonio.gov/DSD/Constructing/SEP-HCP>.

Per condition T of the ITP TE48571B-1 and Section 4.5.3 of the SEP-HCP, Karst Participation Certificates will not be offered until the Permittees had secured some level of up-front mitigation for all of the Covered Karst Invertebrate Species. The level and type of mitigation obtained for each species will likely vary. The Permittees worked with the Service in determining when the appropriate level of up-front mitigation had occurred. For species like *C. venii*, with only two known but heavily impacted localities, options remained limited to satisfy the SEP-HCPs up-front mitigation requirements. Therefore, other conservation measures and/or recovery efforts which provide for some increased level of conservation were the only options to help satisfy up-front mitigation requirements. The SEP-HCP Permittees contracted with Dr. Marshal Hedin of San Diego State University to conduct a genetics study of the *Cicurina* spiders of Bexar County, Texas.

The research proposal and supporting information documented the conservation value of the proposed initial conservation action and proposed an initial conservation action for the Covered Karst Invertebrates within the *Cicurina* genus, more particularly for *Cicurina venii*, that was consistent with the terms and conditions of the SEP-HCP and accompanying ITP. As summarized in the research proposal, the Permittees request the approval of this initial conservation action as the required up-front mitigation for *Cicurina venii*. Additionally, approval of this initial conservation action also contributes to further understanding of the *Cicurina* genus within Bexar County, Texas, including *Cicurina madla* and *Cicurina vespera* (SEP-HCP Covered Karst Invertebrates), as well as *Cicurina baronia* and *Cicurina loftini*, which although not included as a SEP-HCP Covered Species or Voluntarily Conserved Species, also benefit from the upfront mitigation action.

The Service approved the proposed up-front mitigation action and the Permittees initiated and fully funded the *Cicurina* research study on August 17, 2016. The funding and initiation of the *Cicurina* research study satisfied the SEP-HCP's up-front mitigation actions for *Cicurina venii*, as well as benefited *Cicurina madla* and *Cicurina vespera*.

A copy of the research proposal was provided to and approved by the Service, prior to the initiation of the research program. As of June 25, 2018, the research program was completed and findings of the research project published in **Hedin, M., S. Derkarabetian, J. Blair, and P. Paquin. 2018. Sequence capture phylogenomics of eyeless *Cicurina* spiders from Texas caves, with emphasis on US federally-endangered species from Bexar County (Araneae, Hahniidae). ZooKeys 769: 49-76. <https://doi.org/10.3897/zookeys.769.25814>).**

The paper established new taxonomic synonymies and range extensions for listed and non-listed *Cicurina* species in Bexar County as follows:

I. Species Synonymies

- » *Cicurina venii* Gertsch, 1992 = *Cicurina madla* Gertsch, 1992 - The Braken Bat Cave meshweaver (*Cicurina venii*) is no longer a distinct taxonomic entity with specimens now assigned to Madla's Cave meshweaver (*Cicurina madla*). The former was a single site endemic and Madla's Cave meshweaver would now occupy that location.
- » *Cicurina loftini* Cokendolpher, 2004 = *Cicurina vespera* Gertsch, 1992 - *Cicurina loftini* (no common name) is no longer a distinct taxonomic entity with specimens now assigned to the Government Canyon Bat Cave meshweaver (*Cicurina vespera*). The latter was a single site endemic but with revised taxonomy it subsumes all locations previously assigned to *C. loftini* in northwestern Bexar County.

II. Range Extensions

- » Madla's Cave meshweaver, *C. madla*: Based on revised taxonomy this species now occurs in the Culebra Anticline Karst Fauna Region.
- » Government Canyon Bat Cave meshweaver, *C. vespera*: Based on revised taxonomy its range is extended to 10-15 caves, formerly assigned to *C. loftini* in the Culebra Anticline Karst Fauna Region. This species has also now been documented to co-occur with Madla's Cave meshweaver in two caves. It was originally believed that blind *Cicurinas* did not co-occur.

In 2020, the SEP-HCP Permittees contracted with Dr. Marshal Hedin of San Diego State University to conduct additional genetics studies of the remaining *Cicurina* spider specimens available from locations within the SEP-HCP Permit Area, as well as new specimens collected since the original 2018 publication to better understand the distribution and potential for sympatry within the SEP-HCP Permit Area. The first results from this research was accepted for publication in Conservation Genetics on August 13, 2023. **Azevedo, GHF, J Blair, and M. Hedin. 2023. See *Evaluating possible anthropogenic impacts on gene flow and loss of genetic diversity in endangered Madla Cave Meshweaver spiders (Hahniidae, Cicurina madla)*. Conservation Genetics (<https://doi.org/10.1007/s10592-023-01561-y>).** The abstract is included below.

*Karst systems have great ecological, cultural and economic importance, but are constantly threatened by human development. Northwestern Bexar County, Texas (USA), is an example of a region where urbanization threatens an essential karst landscape. Many studies have provided substantial contributions to the understanding and conservation of biodiversity in this area, including the delineation of Karst Fauna Regions (KFRs). However, no study has evaluated fundamentally important measures of genetic diversity, changes in population sizes, and gene flow for listed regional species. Here we used population genomic data derived from the sequence capture of ultraconserved elements (UCEs) to describe patterns of structure and connectivity among cave populations of *Cicurina madla*, and to estimate demographic and phylogeographic processes underlying those patterns. In addition, we evaluated if population genetic processes could have been influenced by human activities. Although there is weak phylogenomic differentiation between populations, the distribution of genetic diversity and patterns of gene flow within and between areas suggest important differences in population dynamics among KFRs. Our genomic data show that populations of *C. madla* in Bexar County currently carry comparatively low levels of heterozygosity and nucleotide diversity, and that these might have been influenced by human activities. Ultimately, we present genomic evidence for declining cave spider population sizes perhaps coincident with increases in an expanding human population and discuss implications of our findings for conservation.*

The Permittees will provide an update to the Service as soon as any further results and publications are provided.

8. ADAPTIVE MANAGEMENT RECOMMENDATIONS AND CHANGED CIRCUMSTANCES

No modifications to Preserve Management Plans or the SEP-HCPs conservation programs occurred during the 2024 – 2025 Fiscal Year via the adaptive management process or changed circumstances.

9. COMPLIANCE-RELATED ISSUES AND ACTIONS

No participants had breaches to the terms and conditions of their participation agreements during the 2024 – 2025 Fiscal Year. No other compliance-related issues or actions involving Participants, Enrolled Properties, or preserves

(including conservation easements) occurred during the 2024 – 2025 Fiscal Year and no issues occurred within any of the Government Canyon State Natural Area Karst Fauna Areas, Northern Preserve KFA, Panther Springs Park KFA or Crane Bat Cave Preserve KFA.

10. OTHER INFORMATION OR RECOMMENDATIONS

No other pertinent information or recommendations, as appropriate occurred during the 2024 – 2025 Fiscal Year.

This report summarizes the development, conservation activities, and biological monitoring surveys conducted by the SEP-HCP for the 2024 – 2025 Fiscal Year reporting period. Please contact either myself at 512-415-9772 or Logan Sparrow at 210-207-8691 if you have any questions or require any additional information.

Sincerely,



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ATTACHMENT A

SEP-HCP PARTICIPANTS AND ENROLLED PROPERTIES

SEP-HCP ENROLLED PROPERTY IMPACTS BY SPECIES AND TYPE.

COVERED SPECIES & INCIDENTAL TAKE AUTHORIZATIONS																					
APPLICATION NO.	APPLICANT NAME	ACRES COVERED FOR INCIDENTAL TAKE	DATE ENROLLED	GCW DIRECT IMPACTS ACRES	GCW INDIRECT IMPACTS ACRES	TOTAL GCW ACRES	BCV DIRECT IMPACTS ACRES	BCV INDIRECT IMPACTS ACRES	TOTAL BCV ACRES	KARST ZONE 1	KARST ZONE 2	KARST ZONES 1 & 2 TOTAL	KARST ZONE 3	KARST ZONE 4	KARST ZONES 3 & 4 TOTAL	BATISODON MEX19P	SCURRIA MADRA (CUCURMA VERNI)	SCURRIA VESPERA (CUCURMA LOFTM)	SHADINE EXILIS	SHADINE INFERNALIS	NEOLEPTOMETA MICROPS
	FY 17-18 TOTAL	128.50		20.99	46.59	67.58	0.00	0.00	0.00	59.48	56.31	115.79	12.71	0.00	12.71	0.00	0.00	0.00	0.00	0.00	0.00
	FY 18-19 TOTAL	842.11		147.49	181.60	329.09	0.00	0.00	0.00	415.52	266.59	682.11	150.15	0.00	150.15	0.00	0.00	0.00	0.00	0.00	0.00
	FY 19-20 TOTAL	120.25		42.20	46.10	88.30	0.00	0.00	0.00	11.99	75.97	87.96	32.30	0.00	32.30	0.00	0.00	0.00	0.00	0.00	0.00
	FY 20-21 TOTAL	310.12		38.36	57.37	95.73	0.00	0.00	0.00	57.45	31.12	88.57	62.95	0.00	62.95	0.00	0.00	0.00	0.00	0.00	0.00
	FY 21-22 TOTAL	150.75		0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.05	106.05	44.80	0.00	44.80	0.00	0.00	0.00	0.00	0.00	0.00
	FY 22-23 TOTAL	116.37		50.81	110.51	161.32	0.00	0.00	0.00	3.50	18.53	22.03	12.08	0.00	12.08	0.00	0.00	0.00	0.00	0.00	0.00
	FY 23-24 TOTAL	136.43		24.50	10.60	35.10	0.00	0.00	0.00	0.00	45.52	45.52	90.62	0.00	90.62	0.00	0.00	0.00	0.00	0.00	0.00

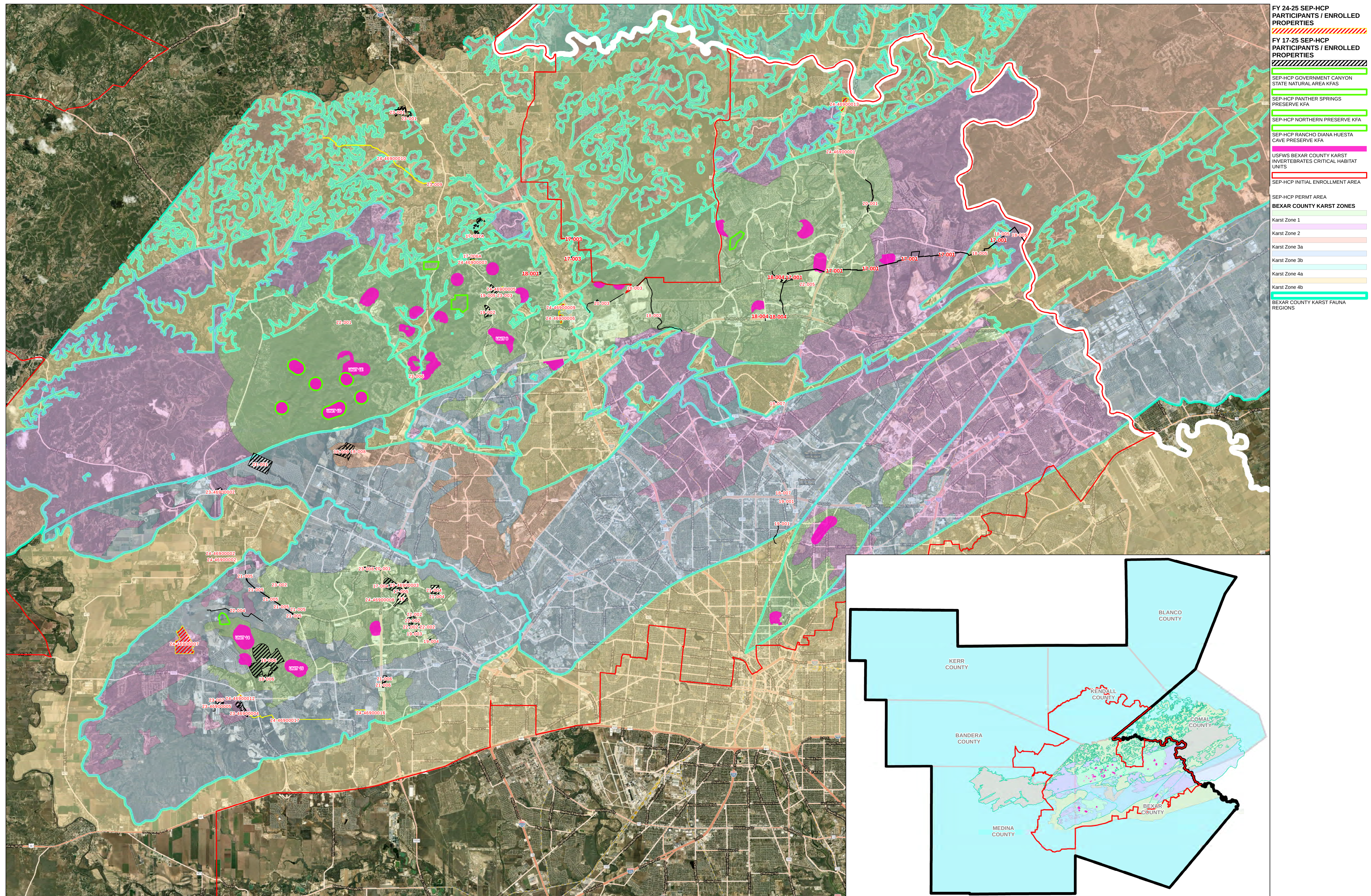
SEP-HCP FY 24-25 (OCT. 1, 2024 - SEPT. 30, 2025) PARTICIPANTS AND ENROLLED PROPERTIES

COVERED SPECIES & INCIDENTAL TAKE AUTHORIZATIONS																					
APPLICATION NO.	APPLICANT NAME	ACRES COVERED FOR INCIDENTAL TAKE	DATE ENROLLED	GCW DIRECT IMPACTS ACRES	GCW INDIRECT IMPACTS ACRES	TOTAL GCW ACRES	BCV DIRECT IMPACTS ACRES	BCV INDIRECT IMPACTS ACRES	TOTAL BCV ACRES	KARST ZONE 1	KARST ZONE 2	KARST ZONES 1 & 2 TOTAL	KARST ZONE 3	KARST ZONE 4	KARST ZONES 3 & 4 TOTAL	BATRODES NEWYI	SCURRIA MADRA (CUCURMA VEM)	SCURRIA VESPERA (CUCURMA LOFTM)	SHADINE EXILIS	SHADINE INFERNALIS	NEOLEPTONETA MICROPS
24-46900003	BRIGHT LAKES – CIELO VISTA VILLAS LLC	13.81	20250318	13.81	0.00	13.81	0.0	0.0	N	13.81	0.00	13.81	0.00	0.00	0.00	N	N	N	N	N	N
24-46900005	Grey Forest Development, LLC – Kyle Seale Parkway Extension	2.23	20241119	2.23	9.60	11.83	0.0	0.0	N	1.09	0.00	1.09	1.14	0.00	1.14	N	N	N	N	N	N
24-46900006	Criterion Botierra Eilan II, LP - EILAN UNIT 11	20.68	20250130	20.65	34.50	55.15	0.0	0.0	N	20.68	0.00	20.68	0.00	0.00	0.00	N	N	N	N	N	N
24-46900007	Microsoft Corporation	257.96	20250424	0.00	0.00	0.00	0.0	0.0	N	0.00	234.28	234.28	23.67	0.00	23.67	N	N	N	N	N	N
24-46900008	DXD SS FII LAND, LLC	2.04	20241014	0.00	0.00	0.00	0.0	0.0	N	2.04	0.00	2.04	0.00	0.00	0.00	N	N	N	N	N	N
24-46900009	Forefront Living (Bella Vida)	26.58	20250122	23.00	18.20	41.20	0.0	0.0	N	26.58	0.00	26.58	0.00	0.00	0.00	N	N	N	N	N	N
24-46900010	CPS Energy	54.60	20250217	18.71	139.93	158.64	0.0	0.0	N	0.00	0.00	0.00	8.46	46.14	54.60	N	N	N	N	N	N
24-46900012	DHIC- Potranco, LLC***	22.46	20241108	0.00	0.00	0.00	0.0	0.0	N	0.00	0.00	0.00	21.59	0.00	21.59	N	N	N	N	N	Y
24-46900013	Pedcor Investments-2022-CXC1, L.P.	37.73	20250131	27.00	33.50	61.00	0.0	0.0	N	0.00	6.00	6.00	0.00	31.73	31.73	N	N	N	N	N	N
24-46900016	Proxima Pipeline LLC - FAR EAST	4.87	20250225	0.00	0.00	0.00	0.0	0.0	N	0.00	0.00	0.00	4.87	0.00	4.87	N	N	N	N	N	N
24-46900017	Proxima Pipeline LLC	14.42	20250225	0.00	0.00	0.00	0.0	0.0	N	0.00	0.00	0.00	14.42	0.00	14.42	N	N	N	N	N	N
25-46900005	CPS ENERGY - GOODENOUGH LANE****	-	20250617	0.00	0.00	0.00	0.0	0.0	N	0.00	0.00	0.00	0.00	0.00	0.00	N	N	N	N	N	N
FY 24-25 TOTAL		457.39		105.40	235.73	341.63	0.00	0.00	0.00	64.20	240.28	304.49	74.16	77.87	152.03	0.00	0.00	0.00	0.00	0.00	0.00
PLAN TO DATE (FY 17-25) TOTAL		2261.91		429.75	688.50	1118.75	0.00	0.00	0.00	612.14	840.37	1452.51	479.77	77.87	557.64	0.00	0.00	0.00	0.00	0.00	0.00

***USFWS DETERMINED MITIGATION FOR IMPACTS TO FEATURES HIT DURING CONSTRUCTION. NOT TRADITIONAL SEP-HCP FEE STRUCTURE OR ENROLLMENT PROCESS. ALL MITIGATION FEES PAID INTO THE SEP-HCP GOES TOWARDS FUTURE KARST PRESERVE ACQUISITIONS.

****INCIDENTAL TAKE AUTHORIZED FROM CPS HCP. SEP-HCP WAS THE 3RD PARTY MITIGATION BENEFICIARY OF MITIGATION FEES PER CPS ENERGY HCP AND SEP-CPS MOU

GIS shapefile location data for each of the SEP-HCP Enrolled Properties has been submitted as part of the annual report.



ATTACHMENT B

SEP-HCP PRESERVE SYSTEM SUMMARY

Summary of the Lands and Habitats Included in the SEP-HCP Preserve System, Including the Total Preserve Acres and the Acres of Suitable Habitat for Each of the Covered Species.

SEP-HCP PRESERVE	COVERED SPECIES	KFR	TOTAL ACRES	ACRES OF SUITABLE HABITAT	CRITICAL HABITAT UNIT	PRESERVE TYPE
Surprise Sink and Bone Pile Cave KF.	<i>Rhadine exilis</i> <i>Rhadine infernalis</i> <i>Cicurina madla</i> <i>Neoleptoneta microps</i>	Government Canyon	144	144	1a	High Quality
Government Canyon Bat Cave KFA	<i>Cicurina vespera</i> <i>Neoleptoneta microps</i> <i>Rhadine exilis</i> <i>Rhadine infernalis</i>	Government Canyon	100	100	1b	High Quality
Lost Pothole KFA	<i>Cicurina madla</i>	Government Canyon	100	100	1c	High Quality
Lithic Ridge, Dancing Rattler, and Hackberry Sink KFA	<i>Cicurina madla</i> <i>Rhadine infernalis</i> <i>Rhadine exilis</i> <i>Batrisesodes ventyivi</i>	Government Canyon	224	224	1d	High Quality
Tight KFA	<i>Rhadine exilis</i> <i>Rhadine infernalis</i> <i>Batrisesodes ventyivi</i> <i>Cicurina madla</i>	Government Canyon	105	416	1e	High Quality
10K KFA	<i>Cicurina madla</i> <i>Rhadine infernalis</i> <i>Rhadine exilis</i> <i>Batrisesodes ventyivi</i>	Government Canyon	100	100	1f	High Quality
Northern Preserve KFA	<i>Cicurina vespera</i> <i>Rhadine infernalis</i>	Culebra Anticline	66.31	66.31	-	Medium Quality
Panther Springs Park Preserve KFA	<i>Cicurina madla</i> <i>Rhadine exilis</i>	Stone Oak	91	91	-	Medium Quality
Crane Bat Cave Preserve KFA	<i>Cicurina madla</i>	UTSA	75.29	75.29	-	Medium Quality
Rancho Diana Huesta Cave KFA	<i>Cicurina madla</i> <i>Rhadine infernalis</i> <i>Batrisesodes ventyivi</i>	UTSA	163	163	-	High Quality

TOTAL ACRES CURRENTLY CONTRIBUTING TO THE PERMIT REQUIREMENT OF 1,000 ACRES OF KARST PRESERVES ESTABLISHED **395.60**

TOTAL ACRES CURRENTLY CONTRIBUTING TO THE PERMIT REQUIREMENT FOR MEETING CONSERVATION BASELINE: **1168.60**

TOTAL ACRES CURRENTLY CONTRIBUTING TO THE PERMIT REQUIREMENT FOR MEETING CONSERVATION BASELINE BY SPECIES

COVERED SPECIES	ACREAGE CONSERVED
<i>Rhadine exilis</i>	764.00
<i>Rhadine infernalis</i>	902.31
<i>Cicurina madla</i>	1002.29
<i>Neoleptoneta microps</i>	244.00
<i>Cicurina vespera</i>	166.31
<i>Batrisesodes ventyivi</i>	592.00

TOTAL ACREAGE AND NUMBER OF SEP-HCP PRESERVES WITHIN EACH KFR CURRENTLY CONTRIBUTING TO THE PERMIT REQUIREMENT FOR MEETING CONSERVATION BASELINE FOR EACH SPECIES

KFR	ACREAGE CONSERVED	NUMBER OF SEP-HCP PRESERVES
Government Canyon	773.00	10
Culebra Anticline	66.31	1
Stone Oak	91.00	1
UTSA	238.29	2
Helotes	0.00	0
Alamo Heights	0.00	0

Conservation Baselines needed for the Covered Karst Invertebrates based on current knowledge of species distribution and establishment of KFAs within the SEP-HCP Permit Area.

Species	Number of KFRs Where Species is Currently Known To Occur	Minimum Configuration of Preserves Needed in Each KFR ¹					Total Number of Preserves Needed			Current Knowledge of Species Distribution					Current Status of Preserves in Each KFR					Current Status of Conservation Baseline and Minimum Configuration of Preserves Needed to Reach Conservation Baseline in Each KFR				
		KFR #1	KFR #2	KFR #3	KFR #4	KFR #5	High Quality	Medium Quality	Total	Govmt Canyon KFR	Helotes KFR	UTSA KFR	Stone Oak KFR	Culebra Anticline KFR	Govmt Canyon KFR	Helotes KFR	UTSA KFR	Stone Oak KFR	Culebra Anticline KFR	Govmt Canyon KFR	Helotes KFR	UTSA KFR	Stone Oak KFR	Culebra Anticline KFR
<i>Rhadine exilis</i>	5	1H +2M	1H +2M	1H +2M	1H +2M	1H + 2M	5	10	15	Y	Y	Y	Y	Y	6H	0	0	1M ^c	1M ^d	Achieved	1H + 2M	1H + 2M	1H + 1M	1H + 1M
<i>Rhadine infernalis</i>	5	1H + 2M	1H + 2M	1H + 2M	1H + 2M	1H + 2M	5	10	15	Y	Y	Y	Y	Y	6H	0	1H ^f	0	1H + 1M ^c	Achieved	1H + 2M	2M	1H + 2M	1M
<i>Batrisesodes venyivi</i>	2 ^a	2H + 1M	1H + 2M	-	-	-	3	3	6	Y	Y	Y ^a	N	N	3H + 1M	0	1H ^f	0	0	Achieved	1H + 2M	2M	-	-
<i>Neoleptoneta microps</i>	2	2H + 1M	1H + 2M	-	-	-	3	3	6	Y	N	Y ^g	N	N	2H	0	0	0	0	1H + 3M	-	-	-	-
<i>Cicurina madla</i> / <i>Cicurina venii</i>	5 ^b	1H + 2M	1H + 2M	1H + 2M	1H + 2M	1H + 2M	5	10	15	Y	Y	Y	Y	Y ^b	6H	0	1H ^f + 1M ^e	1M ^c	0	Achieved	1H + 2M	1M	1H + 1M	1H + 2M
<i>Cicurina vespera</i> / <i>Cicurina loftini</i>	2 ^b	2H + 1M	1H + 2M	-	-	-	3	3	6	Y	N	N	N	Y	1H	0	0	0	1H + 2M ^{c, d}	1H + 1M	-	-	-	Achieved

¹ H = High Quality Preserve; M = Medium Quality Preserve

^a While the Service has records of this species being known from the UTSA KFR, there is not confirmation of the cave location, therefore at this time; the Service only recognizes this species as occurring in 2 KFRs, and does not recognize the UTSA KFR as having the species.

^b Updated based on Hedin et al. 2018 and correspondence from the Service to the SEP-HCP Permittees dated 8/29/2018 accepting the findings of Hedin, et al. 2018 for the Bexar County Cicurinas as published: Hedin, M., S. Derkarabetian, J. Blair, and P. Paquin. 2018. Sequence capture phylogenomics of eyeless Cicurina spiders from Texas caves, with emphasis on US federally-endangered species from Bexar County (Araneae, Hahniidae). ZooKeys 769: 49-76. <https://doi.org/10.3897/zookeys.769.25814>).

The paper establishes new taxonomic synonymies and range extensions for listed and non-listed Cicurina species in Bexar County as follows:

I. Species Synonymies

- Cicurina venii Gertsch, 1992 = Cicurina madla Gertsch, 1992 - The Braken Bat Cave meshweaver (Cicurina venii) is no longer a distinct taxonomic entity with specimens now assigned to Madla’s Cave meshweaver (Cicurina madla). The former was a single site endemic and Madla’s Cave meshweaver would now occupy that location.
- Cicurina loftini Cokendolpher, 2004 = Cicurina vespera Gertsch, 1992 - Cicurina loftini (no common name) is no longer a distinct taxonomic entity with specimens now assigned to the Government Canyon Bat Cave meshweaver (Cicurina vespera). The latter was a single site endemic but with revised taxonomy it subsumes all locations previously assigned to C. loftini in northwestern Bexar County.

II. Range Extensions

- Madla’s Cave meshweaver, C. madla: Based on revised taxonomy this species now occurs in the Culebra Anticline Karst Fauna Region.
- Government Canyon Bat Cave meshweaver, C. vespera: Based on revised taxonomy its range is extended to 10-15 caves, formerly assigned to C. loftini in the Culebra Anticline Karst Fauna Region. This species has also now been documented to co-occur with Madla’s Cave meshweaver in two caves. It was originally believed that blind Cicurinas did not co-occur.

^c Northern Preserve KFA (Cluebra Anticline KFR) contains both *C. vespera* and *R. infernalis* ; Panther Springs Park Preserve KFA (Stone Oak KFR) contains both *C. madla* and *R. exilis* ; the Stevens Ranch Karst Preserve contains *C. vespera* and *R. infernalis*

^d The SAWS APS Karst Preserve contains *C. vespera* & *R. exilis* .

^e The Crane Bat Cave Preserve KFA (UTSA KFR) contains *C. madla*

^f The Rancho Diana Huesta Cave Preserve KFA (UTSA KFR) contains *C. madla*, *R. infernalis*, & *Batrisesodes venyivi*

^g The Service has records of this species being known from the UTSA KFR and confirmation of the cave location as of 2024, therefore at this time; the SEP-HCP recognizes this species as occurring in 2 KFRs, and recognizes the UTSA KFR as having the species. In 2026, enrollment in the SEP-HCP through the Section 7 process was completed for an applicant which established permanent protections around the new feature located in the UTSA KFR, however, the protected area does not currently meet the minimum acreage requirements for KFA establishment.

ATTACHMENT C

SEP-HCP PRESERVATION CREDITS LEDGERS

SEP-HCP GCW PRESERVATION CREDIT LEDGER

DATE	DESCRIPTION	REFERENCE #	DEBIT	CREDIT	BALANCE	COMMENTS
FY 17-18						
8/10/2018	BCCB GCW Credit Transfer to SEP-HCP on behalf of 18-005-Cornal ISD Waterline	18-005	0.00	9.50	9.50	Credits transferred from BCCB to SEP-HCP on behalf of 18-005 on 8/10/2018 Transaction reflected in RIBITS
9/6/2018	BCCB GCW Credit Transfer to SEP-HCP on behalf of 17-003 INTOCO Dominion - Hilltop & Howell North	17-003	0.00	32.25	41.75	Credits transferred from BCCB to SEP-HCP on behalf of 17-003 on 9/6/2018 Transaction reflected in RIBITS
9/6/2018	SEP-HCP Application 17-003 INTOCO Dominion - Hilltop & Howell North	17-003	32.25	0.00	9.50	Participation Agreement executed on 9/6/2018; Participation Certificate Issued and Enrollment Completed on 9/7/2018
9/17/2018	BCCB GCW Credit Transfer to SEP-HCP on behalf of 18-002 - Cresta Bella Unit 4B	18-002	0.00	13.25	22.75	Credits transferred from BCCB to SEP-HCP on behalf of 18-002 on 9/17/2018 Transaction reflected in RIBITS
9/20/2018	BCCB GCW Credit Transfer to SEP-HCP on behalf of 18-001 - 123 Heuermann Road Tract	18-001	0.00	19.25	42.00	Credits transferred from BCCB to SEP-HCP on behalf of 18-001 on 9/20/2018 Transaction reflected in RIBITS
9/25/2018	SEP-HCP Application 18-001 - 123 Heuermann Road Tract	18-001	19.25	0.00	22.75	Participation Agreement executed on 9/20/2018; Participation Certificate Issued and Enrollment Completed on 9/25/2018
10/2/2018	SEP-HCP Application 18-005 Cornal ISD Waterline	18-005	9.50	0.00	13.25	Participation Agreement executed on 10/2/2018; Participation Certificate Issued and Enrollment Completed on 10/2/2018
FY 18-19						
10/2/2018	SEP-HCP Application 18-002 - Cresta Bella Unit 4B	18-002	13.25	0.00	0.00	Participation Agreement executed on 10/2/2018; Participation Certificate Issued and Enrollment Completed on 10/2/2018
12/6/2018	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 18-008 - Davis Ranch Take 2	18-008	0.00	156.25	156.25	Credits transferred from BCCB to SEP-HCP on behalf of 18-008 on 12/6/2018 Transaction reflected in RIBITS
12/7/2018	SEP-HCP Application 18-008 - Davis Ranch Take 2	18-008	156.25	0.00	0.00	Participation Agreement executed on 12/6/2018; Participation Certificate Issued and Enrollment Completed on 12/7/2018
1/31/2019	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 18-009 - Heartwood Davis Ranch	18-009	0.00	131.50	131.50	Credits transferred from BCCB to SEP-HCP on behalf of 18-009 on 1/31/2019 Transaction reflected in RIBITS
2/6/2019	SEP-HCP Application 18-009 - Heartwood Davis Ranch	18-009	131.50	0.00	0.00	Participation Agreement executed on 2/6/2019; Participation Certificate Issued and Enrollment Completed on 2/7/2019
3/19/2019	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 17-002A - Deer Canyon Phase IA	17-002A	0.00	89.00	89.00	Credits transferred from BCCB to SEP-HCP on behalf of 17-002A on 3/19/2019 Transaction reflected in RIBITS
3/19/2019	SEP-HCP Application 17-002A - Deer Canyon Phase IA	17-002A	89.00	0.00	0.00	Participation Agreement executed on 3/26/2019; Participation Certificate Issued and Enrollment Completed on 3/26/2019
FY 19-20						
1/29/2020	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 19-005 SA BigHaus	19-005	0.00	81.00	81.00	Credits transferred from BCCB to SEP-HCP on behalf of 19-005 on 1/29/2020 Transaction reflected in RIBITS
1/29/2020	SEP-HCP Application 19-005 - SA BigHaus	19-005	81.00	0.00	0.00	Participation Agreement executed on 1/30/2020; Participation Certificate Issued and Enrollment Completed on 1/30/2020
3/5/2020	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 17-006A - 20.53 Acre Babcock Road, LLC Phase A	17-006A	0.00	26.50	26.50	Credits transferred from BCCB to SEP-HCP on behalf of 17-006A on 3/5/2020 Transaction reflected in RIBITS
9/25/2020	SEP-HCP Application 17-006A - 20.53 Acre Babcock Road, LLC Phase A	17-006A	26.50	0.00	0.00	Participation Agreement executed on 9/22/2020; Participation Certificate Issued and Enrollment Completed on 9/25/2020
FY 20-21						
3/22/2021	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 19-002- Sonoma Verde SPE, L.P.	19-002	0.00	77.00	77.00	Credits transferred from BCCB to SEP-HCP on behalf of 19-002 on 3/22/2021 Transaction reflected in RIBITS
3/22/2021	SEP-HCP Application 19-002- Sonoma Verde SPE, L.P.	19-002	77.00	0.00	0.00	Participation Agreement executed on 4/22/2021; Participation Certificate Issued and Enrollment Completed on 5/4/2021
9/16/2021	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 21-001 PHSA-NW315, LLC	21-001	0.00	28.50	28.50	Credits transferred from BCCB to SEP-HCP on behalf of 21-001 on 9/16/2021 Transaction reflected in RIBITS
9/16/2021	SEP-HCP Application 21-001 PHSA-NW315, LLC	21-001	28.50	0.00	0.00	Participation Agreement executed on 9/27/2021; Participation Certificate Issued and Enrollment Completed on 9/27/2021
FY 21-22						
9/15/2022	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 22-001 SAWS	22-001	0.00	8.50	8.50	Credits transferred from BCCB to SEP-HCP on behalf of 22-001 on 9/15/2022 Transaction reflected in RIBITS
FY 22-23						
10/24/2022	SEP-HCP Application 22-001 SAWS	22-001	8.50	0.00	0.00	Participation Agreement executed on 10/24/2022; Participation Certificate Issued and Enrollment Completed on 11/4/2022
2/17/2023	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 23-001 CHESMAR HOMES	23-001	0.00	123.00	123.00	Credits transferred from BCCB to SEP-HCP on behalf of 23-001 on 2/17/2023 Transaction reflected in RIBITS
2/24/2023	SEP-HCP Application 23-001 CHESMAR HOMES	23-001	123.00	0.00	0.00	Participation Agreement executed on 2/24/2023; Participation Certificate Issued and Enrollment Completed on 2/24/2023
9/9/2023	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 23-003 HPI BABCOCK STORAGE LLC	23-003	0.00	8.50	8.50	Credits transferred from BCCB to SEP-HCP on behalf of 23-003 on 8/25/2023 Transaction reflected in RIBITS
9/9/2023	SEP-HCP Application 23-003 HPI BABCOCK STORAGE LLC	23-003	8.50	0.00	0.00	Participation Agreement executed on 9/9/2023; Participation Certificate Issued and Enrollment Completed on 9/9/2023
9/8/2023	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 23-009 CPS Energy	23-009	0.00	17.50	17.50	Credits transferred from BCCB to SEP-HCP on behalf of 23-009 on 9/8/2023 Transaction reflected in RIBITS
9/19/2023	SEP-HCP Application 23-009 CPS Energy	23-009	17.50	0.00	0.00	Participation Agreement executed on 9/19/2023; Participation Certificate Issued and Enrollment Completed on 9/19/2023
FY 23-24						
3/19/2024	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 24-46900004, CPS Energy	24-46900004	0.00	101.00	101.00	Credits transferred from BCCB to SEP-HCP on behalf of 24-46900004 on 3/19/2024 Transaction reflected in RIBITS
3/20/2024	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 23-46900002, HEB, LP	23-46900002	0.00	54.50	155.50	Credits transferred from BCCB to SEP-HCP on behalf of 23-46900002 on 3/20/2024 Transaction reflected in RIBITS
4/19/2024	SEP-HCP Application 23-46900002, HEB, LP	23-46900002	54.50	0.00	101.00	Participation Agreement executed on 4/17/2024; Participation Certificate Issued and Enrollment Completed on 4/19/2024
9/30/2024	BCCB GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 24-46900005, Grey Forest Development, LLC - Kyle Seale Parkway Extension	24-46900005	0.00	9.50	110.50	Credits transferred from BCCB to SEP-HCP on behalf of 24-46900005 on 9/30/2024 Transaction reflected in RIBITS

SEP-HCP GCW PRESERVATION CREDIT LEDGER

DATE	DESCRIPTION	REFERENCE #	DEBIT	CREDIT	BALANCE	COMMENTS
FY 24-25						
11/19/2024	SEP-HCP Application 24-46900005, Grey Forest Development, LLC – Kyle Seale Parkway Extension	24-46900005	9.50	0.00	101.00	Participation Agreement executed on 11/13/2024; Participation Certificate Issued and Enrollment Completed on 11/19/2024
1/17/2025	EBX-GCW GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 24-46900009, Forefront Living (Bella Vida)	24-46900009	0.00	55.50	156.50	Credits transferred from EBX-GCW to SEP-HCP on behalf of 24-46900009 on 1/17/2025 Transaction reflected in RIBITS
1/17/2025	EBX-GCW GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 24-46900006, Criterion Botiera Eilan II, LP - EILAN UNIT 11	24-46900006	0.00	59.00	215.50	Credits transferred from EBX-GCW to SEP-HCP on behalf of 24-46900006 on 1/17/2025 Transaction reflected in RIBITS
1/17/2025	EBX-GCW GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 24-46900013, Pedcor Investments-2022-CXC1, L.P.	24-46900013	0.00	30.00	245.50	Credits transferred from EBX-GCW to SEP-HCP on behalf of 24-46900013 on 1/17/2025 Transaction reflected in RIBITS
1/22/2025	SEP-HCP Application 24-46900009, Forefront Living (Bella Vida)	24-46900009	55.50	0.00	190.00	Participation Agreement executed on 1/22/2025; Participation Certificate Issued and Enrollment Completed on 1/22/2025
1/28/2025	EBX-GCW GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 24-46900010, CPS ENERGY	24-46900010	0.00	7.00	197.00	Credits transferred from EBX-GCW to SEP-HCP on behalf of 24-46900009 on 1/17/2025 Transaction reflected in RIBITS
1/30/2025	SEP-HCP Application 24-46900006, Criterion Botiera Eilan II, LP - EILAN UNIT 11	24-46900006	59.00	0.00	138.00	Participation Agreement executed on 1/29/2025; Participation Certificate Issued and Enrollment Completed on 1/30/2025
1/31/2025	SEP-HCP Application 24-46900013, Pedcor Investments-2022-CXC1, L.P.	24-46900013	30.00	0.00	108.00	Participation Agreement executed on 1/31/2025; Participation Certificate Issued and Enrollment Completed on 1/31/2025
2/17/2025	SEP-HCP Application 24-46900010, CPS ENERGY	24-46900010	108.00	0.00	0.00	Participation Agreement executed on 2/14/2025; Participation Certificate Issued and Enrollment Completed on 2/17/2025
3/3/2025	EBX-GCW GCW Credit Transfer to SEP-HCP on behalf of SEP-HCP Application 24-46900003, BRIGHT LAKES – CIELO VISTA VILLAS LLC	24-46900003	0.00	28.00	28.00	Credits transferred from EBX-GCW to SEP-HCP on behalf of 24-46900003 on 1/17/2025 Transaction reflected in RIBITS
3/18/2025	SEP-HCP Application 24-46900003, BRIGHT LAKES – CIELO VISTA VILLAS LLC	24-46900003	28.00	0.00	0.00	Participation Agreement executed on 3/17/2025; Participation Certificate Issued and Enrollment Completed on 3/18/2025

SEP-HCP KARST ZONE 1 & 2 ENROLLMENT ACRES NORTHERN PRESERVE LEDGER

		KARST ZONE 1	KARST ZONE 2	KARST ZONE 3	KARST ZONE 4	TOTAL KARST ZONE 1 & 2	TOTAL KARST ZONE 3 & 4	KARST ENROLLMENT ACRES RESERVED	DEBIT (ENROLLMENT ACRES)	CREDIT (ENROLLMENT ACRES)	BALANCE (ENROLLMENT ACRES)	
DATE	DESCRIPTION	REFERENCE #	ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	COMMENTS
FY 17-18												
6/22/2018	Northern Preserve KFA Establishment	-	-	-	-	-	-	-	0.00	678.52	678.52	USFWS approval of KFA and award of 678.52 karst enrollment acres received on June 30, 2017
6/22/2018	Stevens Ranch - Karst Enrollment Acres - RESERVED	-	-	-	-	-	-	494.52	0.00	0.00	184.00	Per Northern Preserve Donation Agreement executed 4/24/2018
8/16/2018	SEP-HCP Application 17-001 - Vista Ridge Pipeline	17-001	41.73	49.53	0.00	0.00	91.26	0.00	494.52	91.26	0.00	92.74 Participation Agreement Recorded 8/16/2018; Participation Certificate Issued & Enrollment completed 8/17/2018
9/6/2018	SEP-HCP Application 17-003 INTOCO Dominion - Hilltop & Howell North	17-003	0.00	0.00	12.71	0.00	0.00	12.71	494.52	0.00	0.00	92.74 Participation Agreement Recorded 9/17/2018; Participation Certificate Issued & Enrollment completed 9/17/2018
9/17/2018	SEP-HCP Application 18-004 SAWS CWIP North Segement	18-004	6.92	6.78	0.00	0.00	13.70	0.00	494.52	13.70	0.00	79.04 Participation Agreement Recorded 9/17/2018; Participation Certificate Issued & Enrollment completed 9/17/2018
FY 18-19												
10/2/2018	SEP-HCP Application 18-005 Comal ISD Waterline	18-005	0.00	0.00	0.00	0.00	0.00	0.00	494.52	0.00	0.00	79.04 Enrollment Area is same as 17-001; karst participation not required.
12/21/2018	SEP-HCP Application 18-004 SAWS CWIP North Segement - additional area	18-004B	0.05	0.306	0.306	0.00	0.356	0.306	494.52	0.356	0.00	78.68 Participation Agreement Recorded 12/21/2018; Participation Certificate Issued & Enrollment completed 12/21/2018
3/26/2019	SEP-HCP Application 17-002A - Deer Canyon Phase 1A	17-002A	0.00	32.84	4.70	0.00	32.84	4.70	494.52	32.84	0.00	45.84 Participation Agreement Recorded 3/26/2019; Participation Certificate Issued & Enrollment completed 3/26/2019
9/13/2019	SEP-HCP Application 18-006 - Stevens Ranch 494.52 Acres	18-006	410.71	83.81	0.00	0.00	494.52	0.00	0.00	494.52	494.52	45.84 Per Northern Preserve Donation Agreement executed 4/24/2018 Participation Agreement Recorded 9/12/2019; Participation Certificate Issued & Enrollment completed 9/13/2019
FY 19-20												
9/5/2020	SEP-HCP Application 17-006A - 20.53 Acre Babcock Road, LLC Phase A	17-006A	6.70	0.00	0.00	0.00	6.70	0.00	0.00	6.70	0.00	39.14 Participation Agreement Recorded 9/25/2020; Participation Certificate Issued & Enrollment completed 9/25/2020
FY 20-21												
11/12/2020	SEP-HCP Application 20-002 - TxDOT Alamo Ranch Parkway	20-002	0.00	15.10	0.00	0.00	15.10	0.00	0.00	15.10	0.00	24.04 MOA Executed & Enrollment completed 11/12/2020
11/24/2020	SEP-HCP Application 20-001 - TxDOT/Bexar County - Bulverde Road	20-001	14.19	2.28	0.00	0.00	16.47	0.00	0.00	16.47	0.00	7.57 MOA Executed & Enrollment completed 11/24/2020
9/27/2021	SEP-HCP Application 21-001 - PSHA-NW315, LLC	21-001	0.00	6.72	51.51	0.00	6.72	51.51	0.00	6.72	0.00	0.85 Participation Agreement Recorded 9/27/2021; Participation Certificate Issued & Enrollment completed 9/27/2021
FY 24-25												
11/19/2024	SEP-HCP Application 24-46900005 Grey Forest Development, LLC – Kyle Seale Parkway Extension	24-46900005	0.85	0.00	0.00	0.00	0.85	0.00	0.00	0.85	0.00	0.00 The remaining 0.24 acres of KZ1&2 enrollment and all of KZ3&4 entered into Panther Springs Preserve ledger in order to fully close out the remaining enrollment acres left on this ledger. The remainder of the KZ1&2 enrollment not included in the Panther Springs Preserve Ledger (0.85 acres) is accounted for in this ledger. Participation Agreement recorded on 11/13/2024 Participation Certificate issued 11/19/2024

SEP-HCP KARST ZONE 1 & 2 ENROLLMENT ACRES PANTHER SPRINGS PRESERVE LEDGER

DATE	DESCRIPTION	REFERENCE #	KARST ZONE 1 ENROLLMENT ACRES	KARST ZONE 2 ENROLLMENT ACRES	KARST ZONE 3 ENROLLMENT ACRES	KARST ZONE 4 ENROLLMENT ACRES	TOTAL KARST ZONE 1 & 2 ENROLLMENT ACRES	TOTAL KARST ZONE 3 & 4 ENROLLMENT ACRES	KARST ENROLLMENT ACRES RESERVED	DEBIT (ENROLLMENT ACRES)	CREDIT (ENROLLMENT ACRES)	BALANCE (ENROLLMENT ACRES)	COMMENTS
FY 17-18													
9/19/2018	Panther Springs Preserve KFA Establishment	-	-	-	-	-	-	-	-	0.00	471.00	471.00	USFWS approval of KFA and award of 471 karst enrollment acres received on September 19, 2018
9/19/2018	Panther Springs Preserve KFA - Karst Enrollment Acres - RESERVED FOR COSA PARD PROJECTS	-	-	-	-	-	-	-	90.00	0.00	0.00	381.00	Per Panther Springs Approval by Parks Board 7/23/2018
9/25/2018	SEP-HCP Application 18-001 123 Heuermann Road Tract	18-001	6.17	0.00	0.00	0.00	6.17	0.00	90.00	6.17	0.00	374.83	Participation Agreement Recorded 9/24/2018; Participation Certificate Issued & Enrollment completed 9/25/2018
10/2/2018	SEP-HCP Application 18-002 - Cresta Bella Unit 4B	18-002	4.66	0.00	0.00	0.00	4.66	0.00	90.00	4.66	0.00	370.17	Participation Agreement Recorded 10/2/2018; Participation Certificate Issued & Enrollment completed 10/2/2018
FY 18-19													
12/6/2018	SEP-HCP Application 18-003 - COSA PARD Salado Creek Greenway Trail Project	18-003	4.81	6.93	0.00	0.00	11.74	0.00	78.26	11.74	11.74	370.17	Participation Agreement Recorded 12/5/2018; Participation Certificate Issued & Enrollment completed 12/6/2018
12/7/2018	SEP-HCP Application 18-008 Pulte Davis Ranch	18-008	0.00	0.00	75.65	0.00	0.00	75.65	78.26	0.00	0.00	370.17	Participation Agreement Recorded 12/6/2018; Participation Certificate Issued & Enrollment completed 12/7/2018
12/17/2018	SEP-HCP Application 17-004 Wells Fargo Parcel 1	17-004	0.00	111.90	0.00	0.00	111.90	0.00	78.26	111.90	0.00	258.27	Participation Agreement Recorded 12/17/2018; Participation Certificate Issued & Enrollment completed 12/17/2018
12/17/2018	SEP-HCP Application 17-005 Wells Fargo Parcel 2	17-005	0.00	10.00	0.00	0.00	10.00	0.00	78.26	10.00	0.00	248.27	Participation Agreement Recorded 12/17/2018; Participation Certificate Issued & Enrollment completed 12/17/2018
12/21/2018	SEP-HCP Application 18-007 SAWS - CWIP - Bitters, Maltzberger, Pipeline Segment 5-3, and PRV's 2-3	18-007	0.00	0.00	7.60	0.00	0.00	7.60	78.26	0.00	0.00	248.27	Participation Agreement Recorded 12/21/2018; Participation Certificate Issued & Enrollment completed 12/21/2018
2/7/2019	SEP-HCP Application 18-009 Heartwood Davis Ranch	18-009	0.00	0.00	58.51	0.00	0.00	58.51	78.26	0.00	0.00	248.27	Participation Agreement Recorded 2/6/2019; Participation Certificate Issued & Enrollment completed 2/7/2019
4/23/2019	SEP-HCP Application 19-001 SAWS Segment 5-4 & Halm Blvd	19-001	0.00	0.00	3.70	0.00	0.00	3.70	78.26	0.00	0.00	248.27	Participation Agreement Recorded 4/23/2019; Participation Certificate Issued & Enrollment completed 4/23/2019
6/21/2019	SEP-HCP Application 19-003 Vantage at Westover Hills	19-003	0.00	16.11	0.00	0.00	16.11	0.00	78.26	16.11	0.00	232.16	Participation Agreement Recorded 6/19/2019; Participation Certificate Issued & Enrollment completed 6/21/2019
7/2/2019	SEP-HCP Application 19-004 QT Store No 4062	19-004	0.00	5.00	0.00	0.00	5.00	0.00	78.26	5.00	0.00	227.16	Participation Agreement Recorded 7/2/2019; Participation Certificate Issued & Enrollment completed 7/2/2019
FY 19-20													
1/30/2020	SEP-HCP Application 19-005 SA BigHaus	19-005	5.29	0.00	32.30	0.00	5.29	32.30	78.26	5.29	0.00	221.87	Participation Agreement Recorded 1/30/2020; Participation Certificate Issued & Enrollment completed 1/30/2020
9/28/2020	SEP-HCP Application 20-004 SRP LTD	20-004	0.00	75.96	0.00	0.00	75.96	0.00	78.26	75.96	0.00	145.91	Participation Agreement Recorded 9/28/2020; Participation Certificate Issued & Enrollment completed 9/28/2020
FY 20-21													
10/23/2020	SEP-HCP Application 20-003 COSA PARD Howard Creek Greenway Trail Project - Eisenhower Segment	20-003	5.62	7.02	11.44	0.00	12.64	11.44	65.62	12.64	12.64	145.91	Participation Agreement Recorded 10/21/2020; Participation Certificate Issued & Enrollment completed 10/23/2020
5/24/2021	SEP-HCP Application 19-002 Sonoma Verde Tract 2	19-002	37.64	0.00	0.00	0.00	37.64	0.00	65.62	37.64	0.00	108.27	Participation Agreement Recorded 4/22/2021; Participation Certificate Issued & Enrollment completed 5/4/2021
FY 21-22													
12/23/2021	SEP-HCP Application 21-004 Microsoft	21-004	0.00	33.55	0.00	0.00	33.55	0.00	65.62	33.55	0.00	74.72	Participation Agreement Recorded 12/23/2021; Participation Certificate Issued & Enrollment completed 12/23/2021
5/12/2022	SEP-HCP Application 22-002 - SRP LTD	22-002	0.00	60.60	0.00	0.00	60.60	0.00	65.62	60.60	0.00	14.12	Participation Agreement Recorded 5/4/2022; Participation Certificate Issued & Enrollment completed 5/12/2022
6/9/2022	SEP-HCP Application 21-006 Santikos Raw Land	21-006	0.00	0.00	5.57	0.00	0.00	5.57	65.62	0.00	0.00	14.12	Participation Agreement recorded on 6/7/2022. Participation Certificate issued & Enrollment completed 6/9/2022.
6/16/2022	SEP-HCP Application 21-006 San Antonio Housing Corporation	21-006	0.00	0.00	20.93	0.00	0.00	20.93	65.62	0.00	0.00	14.12	Participation Agreement recorded on 6/15/2022. Participation Certificate issued & Enrollment completed 6/16/2022.
9/12/2022	SEP-HCP Application 21-005 Bexar County Talley Road Improvements	21-005	0.00	11.90	18.30	0.00	11.90	18.30	65.62	11.90	0.00	2.22	MOU executed on 9/12/2022. & Enrollment completed 9/12/2022.
FY 22-23													
11/4/2022	SEP-HCP Application 22-001 SAWS Ranch Town No. 2	22-001	1.53	0.00	0.00	0.00	1.53	0.00	65.62	1.53	0.00	0.69	Participation Agreement recorded on 10/24/2022. Participation Certificate issued & Enrollment completed 11/4/2022.
1/13/2023	SEP-HCP Application 22-004 MEDINA REVITALIZATION INITIATIVE, LLC	22-004	0.00	0.00	8.80	0.00	0.00	8.80	65.62	0.00	0.00	0.69	Participation Agreement recorded on 1/13/2023. Participation Certificate issued & Enrollment completed 1/17/2023.
2/24/2023	SEP-HCP Application 23-001 CHESMAR HOMES, LLC	23-001	0.00	0.00	0.00	0.00	0.00	0.00	65.62	0.00	0.00	0.69	Participation Agreement recorded on 2/24/2023. Participation Certificate issued & Enrollment completed 2/24/2023.
6/30/2023	Panther Springs Preserve KFA - Karst Enrollment Acres - RESERVED FOR COSA PARD PROJECTS	-	-	-	-	-	-	-	0.00	0.00	65.62	66.31	COSA PARD approval of the release of their reserved enrollment acres for use by other pending projects. The remaining 65.62 enrollment acres reserved for COSA PARD will be transferred over to Crane Bat Cave as reserved enrollment acres upon establishment of the Crane Bat Cave KFA in order to be able to close out the Panther Springs Ledger.
7/11/2023	SEP-HCP Application 23-002 VILLAGE AT WESTPOINTE WEST ELEMENTARY SCHOOL	23-002	0.00	17.89	0.00	0.00	17.89	0.00	0.00	17.89	0.00	48.42	Participation Agreement recorded on 7/11/2023. Participation Certificate issued & Enrollment completed 7/11/2023.
7/26/2023	SEP-HCP Application 23-007 SAT40 TRP	23-007	0.00	0.00	22.46	0.00	0.00	22.46	0.00	0.00	0.00	48.42	Participation Agreement recorded on 7/26/2023. Participation Certificate issued & Enrollment completed 7/26/2023.
8/9/2023	SEP-HCP Application 23-006 - QT SOUTH LLC	23-006	0.00	0.00	1.97	0.00	0.00	1.97	0.00	0.00	0.00	48.42	Participation Agreement recorded on 8/9/2023. Participation Certificate issued & Enrollment completed 8/10/2023.
8/16/2023	SEP-HCP Application 22-005 SAWS CLASSEN-STEUBING WW LINE	22-005	0.64	0.00	0.00	0.00	0.64	0.00	0.00	0.64	0.00	47.78	Participation Agreement recorded on 8/16/2023. Participation Certificate issued & Enrollment completed 8/17/2023.
9/19/2023	SEP-HCP Application 23-003 HPI BABCOCK STORAGE LLC	23-003	1.98	0.00	0.91	0.00	1.98	0.91	0.00	1.98	0.00	45.81	Participation Agreement recorded on 9/15/2023. Participation Certificate issued & Enrollment completed 9/19/2023.
9/19/2023	SEP-HCP Application 23-009 CPS ENERGY	23-009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.81	Participation Agreement recorded on 9/19/2023. Participation Certificate issued 9/19/2023

SEP-HCP KARST ZONE 1 & 2 ENROLLMENT ACRES PANTHER SPRINGS PRESERVE LEDGER

DATE	DESCRIPTION	REFERENCE #	KARST ZONE 1	KARST ZONE 2	KARST ZONE 3	KARST ZONE 4	TOTAL KARST ZONE 1	TOTAL KARST ZONE 3	KARST	DEBIT	CREDIT	BALANCE	COMMENTS
			ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	ENROLLMENT ACRES	& 2 ENROLLMENT ACRES	& 4 ENROLLMENT ACRES	ENROLLMENT ACRES RESERVED	(ENROLLMENT ACRES)	(ENROLLMENT ACRES)	(ENROLLMENT ACRES)	
FY 23-24													
10/24/2023	SEP-HCP Application 23-008 Eenhoorn, LLC	23-008	0.00	8.85	0.00	0.00	8.85	0.00	0.00	8.85	0.00	36.96	Participation Agreement recorded on 10/24/2023. Participation Certificate issued & Enrollment completed 10/24/2023.
45280	SEP-HCP Application 23-46900003 VANTAGE DATA CENTERS TX2, LLC	23-46900003	0	31.03	0	0	31.03	0	0	31.03	0.00	5.93	Participation Agreement recorded on 12/20/2023. Participation Certificate issued & Enrollment completed 12/20/2023.
45282	SEP-HCP Application 23-46900004 VANTAGE DATA CENTERS TX1, LLC	23-46900001	0	0	0	0	0	0	0	0.00	0.00	5.93	Participation Agreement recorded on 12/22/2023 Participation Certificate issued 12/22/2023
45391	SEP-HCP Application 24-46900001 HPI BULVERDE ROAD STORAGE LLC	24-46900001	0	5.63	0	0	5.63	0	0	5.63	0.00	0.30	Participation Agreement recorded on 4/5/2024 Participation Certificate issued 4/9/2024
45401	SEP-HCP Application 23-46900002 H-E-B, LP, A LIMITED PARTNERSHIP	23-46900002	0	0	28.64	0	0	28.64	0	0.00	0.00	0.30	Participation Agreement recorded on 4/17/2024 Participation Certificate issued & Enrollment completed 4/19/2024
45422	SEP-HCP Application 24-46900002 TALLEY EXTENSION REVITALIZATION INITIATIVE, LLC	24-46900002	0	0	0	0	0	0.00	0	0.00	0.00	0.30	Participation Agreement recorded on 5/10/2024 Participation Certificate issued 5/10/2024
45502	SEP-HCP Application 23-46900005 MICROSOFT SAT40 TRP 11.9 AC	23-46900005	0	0	11.9	0	0	11.9	0	0.00	0.00	0.30	Participation Agreement recorded on 7/29/2024 Participation Certificate issued 7/29/2024
FY 24-25													
11/19/2024	SEP-HCP Application 24-46900005 Grey Forest Development, LLC – Kyle Seale Parkway Extension	24-46900005	0.24	0.00	1.14	0.00	0.24	1.14	0.00	0.24	0.00	0.06	0.85 acres of K21&2 enrollment entered into Northern Preserve ledger in order to fully close out the remaining enrollment acres left on that ledger. The remainder of the K21&2 enrollment (0.24 acres) is accounted for in this ledger. Participation Agreement recorded on 11/13/2024 Participation Certificate issued 11/19/2024
1/22/2025	SEP-HCP Application 24-46900009 BELLA VIDA FOREFRONT LIVING	24-46900009	0.06	0.00	0.00	0.00	0.06	0.00	0.00	0.06	0.00	0.00	Remaining 26.521 acres of K21&2 enrollment entered into Crane Bat Cave Preserve ledger. The remainder of the K21&2 enrollment (0.06 acres) is accounted for in this ledger in order to close out this ledger entirely. Participation Agreement recorded on 1/22/2025 Participation Certificate issued 1/22/2025

SEP-HCP KARST ZONE 1 & 2 ENROLLMENT ACRES CRANE BAT CAVE PRESERVE LEDGER

		REFERENCE	KARST ZONE 1 ENROLLMENT	KARST ZONE 2 ENROLLMENT	KARST ZONE 3 ENROLLMENT	KARST ZONE 4 ENROLLMENT	TOTAL KARST ZONE 1 & 2 ENROLLMENT	TOTAL KARST ZONE 3 & 4 ENROLLMENT	KARST ENROLLMENT	DEBIT (ENROLLMENT ACRES)	CREDIT (ENROLLMENT ACRES)	BALANCE (ENROLLMENT ACRES)	
DATE	DESCRIPTION	#	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES RESERVED				COMMENTS
FY 22-23													
8/23/2023	Crane Bat Cave Preserve KFA Establishment	-	-	-	-	-	-	-	-	0.00	361.26	361.26	USFWS approval of KFA and award of 361.26 karst enrollment acres received on August 23, 2023
8/23/2023	COSA PARD - Panther Springs Karst Enrollment Acres Release & Transfer - RESERVED	-	-	-	-	-	-	-	65.62	0.00	0.00	295.64	Transfer of reserved enrollment acres from Panther Springs to Crane Bat Cave in order to close out the Panther Springs Preserve Ledger. Original reservation of enrollment acres was established per the Panther Springs KFA Approval by Parks Board on 7/23/2018. See 6/30/2023 ledger entry on the Panther Springs Preserve ledger for release of the remaining 65.62 enrollment acres reserved for COSA PARD use.
FY 23-24													
-	-	-	-	-	-	-	-	-	-	-	-	-	-
FY 24-25													
10/14/2024	SEP-HCP Application 24-46900008 - DXD SS FUND II ALAMO RANCH PROPCO, LLC	24-46900008	2.04	0	0	0	2.04	0	65.62	2.04	0.00	293.60	Participation Agreement recorded on 10/11/2024 Participation Certificate issued 10/14/2024
11/8/2024	SEP-HCP Application 24-46900012 - DHIC- POTRANCO, LLC	24-46900012	0	0	21.59	0	0	21.59	65.62	0.00	0.00	293.60	Participation Agreement recorded on 11/6/2024 Participation Certificate issued 11/8/2024
1/22/2025	SEP-HCP Application 24-46900009 - Forefront Living (Bella Vida)	24-46900009	26.521	0	0	0	26.521	0	65.62	26.52	0.00	267.08	Remaining 0.06 acres of KZ1&2 enrollment entered into Panther Springs Preserve ledger in order to fully close out that ledger. The remainder of the KZ1&2 enrollment (26.521 acres) is accounted for in this ledger. Participation Agreement recorded on 1/22/2025 Participation Certificate issued 1/22/2025
1/30/2025	SEP-HCP Application 24-46900006 - Criterion Botierra Eilan II, LP - EILAN UNIT 11	24-46900006	20.679	0	0	0	20.679	0	65.62	20.68	0.00	246.40	Participation Agreement recorded on 1/29/2025 Participation Certificate issued 1/30/2025
1/31/2025	SEP-HCP Application 24-46900013 - Pedcor Investments-2022-CXC1, L.P.	24-46900013	0	6	0	31.729	6	31.729	65.62	6.00	0.00	240.40	Participation Agreement recorded on 1/31/2025 Participation Certificate issued 1/31/2025
2/17/2025	SEP-HCP Application 24-46900010 - CPS ENERGY	24-46900010	0	0	8.46	46.14	0	54.6	65.62	0.00	0.00	240.40	Participation Agreement recorded on 2/14/2025 Participation Certificate issued 2/17/2025
2/24/2025	SEP-HCP Application 24-46900016 - PROXIMA PIPELINE (FAR EAST)	24-46900016	0	0	4.87	0	0	4.87	65.62	0.00	0.00	240.40	Participation Agreement recorded on 2/21/2025 Participation Certificate issued 2/24/2025
2/24/2025	SEP-HCP Application 24-46900017 - PROXIMA PIPELINE (WEST)	24-46900017	0	0	14.42	0	0	14.42	65.62	0.00	0.00	240.40	Participation Agreement recorded on 2/21/2025 Participation Certificate issued 2/24/2025
3/18/2025	SEP-HCP Application 24-46900003 BRIGHT LAKES – CIELO VISTA VILLAS LLC	24-46900003	13.81	0	0	0	13.81	0	65.62	13.81	0.00	226.59	Participation Agreement recorded on 3/17/2025 Participation Certificate issued 3/18/2025
4/24/2025	COSA PARD - Panther Springs Karst Enrollment Acres Release & Transfer - RESERVED	-	-	-	-	-	-	-	57.93	0.00	7.69	234.28	Original reservation of enrollment acres was established per the Panther Springs KFA Approval by Parks Board on 7/23/2018. See 6/30/2023 ledger entry on the Panther Springs Preserve Ledger for release of the remaining 65.62 enrollment acres reserved for COSA PARD use. Transfer of reserved enrollment acres from Panther Springs to Crane Bat Cave in order to close out the Panther Springs Preserve Ledger on 8/23/2023. In April 2025, PARD agreed to release 7.69 enrollment acres in order for application 24-46900007 to complete enrollment until SEP-HCP completes establishment of its next KFA. SEP-HCP will replace the 7.69 karst enrollment acres back to PARD upon completion of the next KFA.
4/24/2025	SEP-HCP Application 24-46900007 Microsoft Corporation	24-46900007	0	234.28	23.67	0	234.28	23.67	57.93	234.28	0.00	0.00	Participation Agreement recorded on 4/23/2025 Participation Certificate issued 4/24/2025

SEP-HCP KARST ZONE 1 & 2 ENROLLMENT ACRES CRANE BAT CAVE PRESERVE - TXDOT LEDGER

DATE	DESCRIPTION	REFERENCE #	KARST ZONE 1	KARST ZONE 2	KARST ZONE 3	KARST ZONE 4	TOTAL KARST ZONE 1	TOTAL KARST ZONE 3	KARST	DEBIT	CREDIT	BALANCE	COMMENTS
			ENROLLMENT	ENROLLMENT	ENROLLMENT	ENROLLMENT	& 2 ENROLLMENT	& 4 ENROLLMENT	ENROLLMENT	(ENROLLMENT	(ENROLLMENT	(ENROLLMENT	
			ACRES	ACRES	ACRES	ACRES	ACRES	ACRES	ACRES RESERVED	ACRES)	ACRES)	ACRES)	
8/23/2023	Crane Bat Cave Preserve KFA Establishment - TxDOT	-	-	-	-	-	-	-	-	0.00	40.00	40.00	USFWS approval of KFA and assignment of 40 acres of the KFA for the TxDOT Loop 1604 project received on August 23, 2023
8/23/2023	TxDOT Loop 1604 Project MOU	21-002	-	-	-	-	-	-	40.00	0.00	0.00	0.00	MOU approved by coordinating committee October 12, 2021
8/23/2023	TxDOT Loop 1604 Project MOU	21-002	0.00	0.00	0.00	0.00	0.00	0.00	0.00	40.00	40.00	0.00	USFWS approval of KFA and allocation of 40 acres of the KFA to TxDOT in accordance with the 10/12/2021 MOU - SEP-HCP obligation to establish and assign 40 acres of the KFA to TxDOT for the Loop 1604 project completed.

SEP-HCP KARST ZONE 1 & 2 ENROLLMENT ACRES RANCHO DIANA HUESTA CAVE PRESERVE LEDGER

DATE	DESCRIPTION	REFERENCE #	KARST ZONE 1 ENROLLMENT ACRES	KARST ZONE 2 ENROLLMENT ACRES	KARST ZONE 3 ENROLLMENT ACRES	KARST ZONE 4 ENROLLMENT ACRES	TOTAL KARST ZONE 1 & 2 ENROLLMENT ACRES	TOTAL KARST ZONE 3 & 4 ENROLLMENT ACRES	KARST ENROLLMENT ACRES RESERVED	DEBIT (ENROLLMENT ACRES)	CREDIT (ENROLLMENT ACRES)	BALANCE (ENROLLMENT ACRES)	COMMENTS
FY 25-26													
12/9/2025	Rancho Diana Huesta Cave Preserve KFA Establishment	-	-	-	-	-	-	-	-	0.00	1668.14	1668.14	USFWS approval of KFA and award of 1,668.14 karst enrollment acres received on September 30, 2025. SEP-HCP completed acquisition of the preserve from COSA PARD in December 2025.
12/9/2025	COSA PARD - Crane Bat Cave Karst Enrollment Acres Release & Transfer - RESERVED	-	-	-	-	-	-	-	7.69	0.00	0.00	1660.45	The 7.69 enrollment acres associated with this ledger entry are hereby reserved for COSA PARD use. The enrollment acres were temporarily released from COSA PARD's overall reserved enrollment acres allocation within the Crane Bat Cave ledger for COSA PARD use only. This ledger entry completes the SEP-HCPs obligation as part of the agreement with COSA PARD and replenishes the total reserved enrollment acres originally set aside for COSA PARD use. (See 4/24/2025 ledger entries on the Crane Bat Cave Preserve ledger for release of the 7.69 enrollment acres originally reserved for COSA PARD use in order to be able complete enrollment for SEP-HCP Application 24-46900007 - Microsoft Corporation). COSA PARD's remaining 57.93 reserved enrollment acres are set aside within the Crane Bat Cave Preserve ledger and are available for use by COSA PARD at their request. Additional Background Information: Original reservation of enrollment acres was established per the Panther Springs KFA Approval by Parks Board on 7/23/2018. (See 6/30/2023 ledger entry on the Panther Springs Preserve ledger for release of the remaining 65.62 enrollment acres reserved for COSA PARD use.) The transfer of the total reserved enrollment acres from Panther Springs to Crane Bat Cave in order to close out the Panther Springs Preserve Ledger occurred on 8/23/2023. In April 2025, COSA PARD agreed to release 7.69 enrollment acres in order for application 24-46900007 to complete enrollment until SEP-HCP completes establishment of its next KFA. SEP-HCP agreed to replace the 7.69 karst enrollment acres back to COSA PARD upon completion of the next KFA.
1/20/2026	LAND-SEP-APP25-46900013 - QT SOUTH LLC	LAND-SEP-APP25-46900013	3.76	0.00	0.00	0.00	3.76	0.00	7.69	3.76	0.00	1656.69	Participation Agreement recorded on 1/16/2026 and Participation Certificate issued on 1/20/2026
1/20/2026	LAND-SEP-APP25-46900007 - JCI RESIDENTIAL, LLC	LAND-SEP-APP25-46900007	0.00	0.00	0.00	0.00	0.00	0.00	7.69	0.00	0.00	1656.69	Participation Agreement recorded on 1/16/2026 and Participation Certificate issued on 1/20/2026
1/28/2026	LAND-SEP-APP25-46900016 - PEDCOR INVESTMENTS, A LIMITED LIABILITY COMPANY	LAND-SEP-APP25-46900016	19.31	0.00	0.00	0.00	19.31	0.00	7.69	19.31	0.00	1637.38	Participation Agreement recorded on 1/27/2026 and Participation Certificate issued on 1/28/2026
2/3/2026	LAND-SEP-APP25-46900010 - GUAJOLOTE RANCH	LAND-SEP-APP25-46900010	0.00	0.00	4.25	0.00	0.00	4.25	7.69	0.00	0.00	1637.38	Participation Agreement recorded and Participation Certificate issued on 2/3/2026
2/3/2026	LAND-SEP-APP25-46900015 - GUAJOLOTE RANCH	LAND-SEP-APP25-46900015	0.00	0.00	17.62	0.00	0.00	17.62	7.69	0.00	0.00	1637.38	Participation Agreement recorded and Participation Certificate issued on 2/3/2026
2/5/2026	LAND-SEP-APP25-46900006 - DXD SS CANTERA PROPCO, LLC	LAND-SEP-APP25-46900006	3.91	0.00	0.00	0.00	3.91	0.00	7.69	3.91	0.00	1633.47	Participation Agreement recorded and Participation Certificate issued on 2/5/2026
3/20/2026	LAND-SEP-APP26-46900002 - PEDCOR INVESTMENTS, A LIMITED LIABILITY COMPANY	LAND-SEP-APP26-46900002	15.38	0.00	0.00	0.00	15.38	0.00	7.69	15.38	0.00	1618.09	Participation Agreement recorded and Participation Certificate issued on 3/20/2026
4/22/2026	LAND-SEP-APP25-46900017 - WTG Bexar Transmission	LAND-SEP-APP25-46900017	40.10	1.40	37.81	0.63	41.50	38.44	7.69	41.50	0.00	1576.59	Participation Agreement recorded and Participation Certificate issued on 4/22/2026

ATTACHMENT D

SEP-HCP FINANCIAL STATUS

SEP-HCP Account Balance - As of 9/30/25

SEP-HCP General Program Administration											
Fiscal Year											
Account Number	Account Name	2017	2018	2019	2020	2021	2022	2023	2024	2025	Cumulative Fund Balance**
4406300	Application Fee - \$2.5K	7,500	22,500	17,518	12,500	4,982	20,000	22,500	37,510	20,000	165,010
4406301	Plan Admin Fee - 10% Tot Mitig Fees	9,126	34,698	232,846	56,516	55,821	937,138	67,220	135,920	85,879	1,615,164
4406305	Karst Habitat - \$1K per acre	68,445	36,165	252,284	103,117	106,055	8,588,968	59,289	530,127	(205,624)	9,538,826
4502280	Contributions from other Agencies	-	-	-	-	-	-	-	-	-	-
4901301	Interest on Pooled Investments-Operating	869	3,959	22,284	16,953	2,694	47,389	288,806	410,020	322,522	1,115,497
4902700	Net Increase in Fair Value of Investment*	(13)	(112)	1,379	66	(1,289)	(113,751)	18,703	140,869	(45,769)	82
5201040	Fees to Professional Contractors***	-	(52,358)	(107,682)	(113,016)	(124,356)	(87,870)	(127,365)	(113,863)	(276,271)	(1,002,781)
6101100	Interfund Transfers In	141,750	141,750	141,750	141,750	-	50,000	50,000	50,000	50,000	767,000
6102100	Interfund Transfers Out	-	-	-	-	-	(50,000)	(2,159,144)	(100,000)	(250,000)	(2,559,144)
Grand Total		227,676	186,602	560,379	217,886	43,907	9,391,874	(1,779,991)	1,090,583	(299,263)	9,639,654

Endowment Fund - Government Canyon											
Fiscal Year											
Account Number	Account Name	2017	2018	2019	2020	2021	2022	2023	2024	2025	Cumulative Fund Balance**
4406305	Karst Habitat - \$1K per acre	-	-	30,103	6,389	12,519	12,271	5,052	-	-	66,333
4502280	Contributions from other Agencies	-	-	-	-	-	-	-	-	-	-
4901301	Interest on Pooled Investments-Operating	-	784	2,518	2,371	396	2,909	7,179	9,989	7,575	33,721
4902700	Net Increase in Fair Value of Investment*	-	(20)	149	36	(193)	(7,749)	5,222	3,842	(1,107)	(20)
6101100	Interfund Transfers In	33,250	33,250	33,250	33,250	-	-	-	-	-	133,000
Grand Total		33,250	34,014	66,020	42,046	12,723	7,431	17,453	13,631	6,467	233,034

Endowment Fund - Crane Bat Cave											
Fiscal Year											
Account Number	Account Name	2017	2018	2019	2020	2021	2022	2023	2024	2025	Cumulative Fund Balance**
4406305	Karst Habitat - \$1K per acre	-	-	-	-	-	-	712,500	-	-	712,500
4502280	Contributions from other agencies	-	-	-	-	-	-	-	-	-	-
4901301	Interest on Pooled Investments-Operating	-	-	-	-	-	-	13,530	31,323	25,037	69,891
4902700	Net Increase in Fair Value of Investment*	-	-	-	-	-	-	(5,545)	9,212	(3,667)	-
Grand Total		-	-	-	-	-	-	720,485	40,535	21,370	782,391

Endowment Fund - Northern Preserve											
Fiscal Year											
Account Number	Account Name	2017	2018	2019	2020	2021	2022	2023	2024	2025	Cumulative Fund Balance**
4406305	Karst Habitat - \$1K per acre	22,815	3,425	8,210	89	9,641	17,139	-	-	-	61,319
4502280	Contributions from other agencies	-	165,750	-	-	-	-	-	-	-	165,750
4901301	Interest on Pooled Investments-Operating	-	2,263	4,537	3,305	482	1,302	7,362	11,134	8,522	38,907
4902700	Net Increase in Fair Value of Investment*	-	(59)	245	(16)	(237)	(3,337)	882	3,710	(1,246)	(59)
Grand Total		22,815	171,379	12,991	3,378	9,887	15,103	8,244	14,844	7,276	265,917

Endowment Fund - Panther Springs Preserve											
Fiscal Year											
Account Number	Account Name	2017	2018	2019	2020	2021	2022	2023	2024	2025	Cumulative Fund Balance**
4406305	Karst Habitat - \$1K per acre	-	8,630	35,943	25,765	8,800	719,003	(699,491)	-	712,500	811,149
4502280	Contributions from other agencies	-	-	-	-	-	-	-	-	-	-
4901301	Interest on Pooled Investments-Operating	-	102	570	725	149	3,720	11,190	6,217	7,279	29,952
4902700	Net Increase in Fair Value of Investment*	-	(3)	40	14	(57)	(8,968)	6,120	3,399	(547)	(3)
Grand Total		-	8,729	36,552	26,504	8,892	713,755	(682,182)	9,616	719,232	841,098
Total of All Fund Balances											11,762,093.74

*Denotes loss/depreciation of investments in various markets

**Actual cash in and cash out and does not include value of environmental credits

*** Bexar County Contribution is equal to City contribution

Revenues & Transfers	11,476,907
Interest	1,287,968
Expenses	(1,002,781)
Total of All Fund Balances	11,762,093.74

ATTACHMENT E

**SEP-HCP PARTICIPANTS / ENROLLED PROPERTIES IN WHICH PREVIOUSLY
UNDISCOVERED VOIDS OR OTHER KARST FEATURES WERE ENCOUNTERED DURING
IMPLEMENTATION OF COVERED ACTIVITIES**

Five Participants / Enrolled Properties reported occurrences of previously undiscovered voids or other karst features that were encountered during implementation of covered activities by the Participants/Enrolled Properties during the 2024 – 2025 Fiscal Year. A summary of the Participants / Enrolled Properties in which previously undiscovered voids or other karst features were encountered during implementation of covered activities during the 2024 – 2025 Fiscal Year is included below. Additional information, documentation, and coordination are included in the SEP-HCP program files and can be provided upon request.

PARTICIPANT	DISCOVERY DATE	NOTIFICATION DATE	SUMMARY
20-004	2/3/2025 9/23/2025	2/4/2025 9/23/2025	On February 3, 2025 a feature was encountered during construction and evaluated by a Pape-Dawson Consulting Engineers, LLC (Pape-Dawson) permitted biologist on February 4, 2025. Results from the investigation indicated that the void did not meet the requirements to be reported as a karst feature. The bottom of the feature was visible from the surface with no additional passageway observed within the void. The void was be closed in compliance with TCEQ requirements. A void was encountered during geotechnical drilling operations on September 23, 2025, and the SEP was notified the encounter on that same day. An SWCA permitted biologist, Benjamin Dilly (USFWS Permit ES800611-5), inspected the void using a downhole camera on September 24, 2025. The void was detected within a 6-inch diameter borehole at about 41 feet below ground surface. The void extends to a depth of about 45 feet; thus, the void is about 4 feet deep. The downhole camera was unable to view the entire lateral extent of the void, so the width of the void is unknown. From what could be viewed from the camera, no suitable karst invertebrate habitat was present; no organic matter, roots, or invertebrates were observed, and no airflow was detected. However, the biologist was unable to view the entire extent of the void; therefore, the presence of suitable habitat for karst invertebrates could not be entirely ruled out. The process to close the void will commence no sooner than October 1, 2025 (7 days after SEP notification). After the 7-day suspension period is up, the geotechnical driller will resume drilling within the bore to the desired depth. Once that depth is reached, the bit will be removed, and the borehole will be plugged above the void without the use of plastic or metal. Organic cloth will be used to create a bridge above the void, and cement grout will be placed from the bridge to the ground surface.
LAND-SEP-APP23-46900004	4/22/2025	4/22/2025	On April 22, 2025, a Pape-Dawson Consulting Engineers, LLC (Pape-Dawson) permitted biologist evaluated a void (SC-04) that was encountered during site grading on the Vantage TX-11 site. The evaluation was conducted to examine the extent of the void and to determine if the presence of potential listed karst invertebrate habitat existed within the encountered feature. The evaluation was conducted in accordance with the United States Fish and Wildlife Service (USFWS) Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys and Habitat Assessments for Listed Karst Invertebrates in Central Texas (USFWS 2024). The evaluated feature was measured and had its conditions and coordinates noted with a Juniper Systems Geode GNS2 with sub-meter accuracy. Pape-Dawson personnel included Valerie Collins (ES205717-1), who reviewed the report; Walker Lazo (TE79006D-0), who led the feature evaluation; Kara Tschirhart, who assisted with the evaluation and wrote the report; And Henry Stultz, III, who sketched the feature. In June of 2024, the USFWS released a revision to the San Antonio Area Karst Zones and Karst Fauna Regions (Veni, Cooper, and Dickerson 2024). Prior to the revision of the San Antonio Area Karst zones the project site was located within Karst Zone 3. However, the assessed feature now occurs within USFWS Karst Zone 2, areas having a high probability of containing suitable habitat for listed karst invertebrate species (Veni, Cooper, and Dickerson 2024). A summary description for the evaluated feature is presented below. SC-04 (29.417027, -98.791059) – This feature was classified as a solution cavity since it was not enterable. The feature opening was measured as 1 foot by 1 foot with a vertical depth of approximately 17 feet below the existing ground surface. The feature widened with depth into a room that measured 9 feet by 12 feet and had a trend of approximately 350°. The feature appeared to terminate into the surrounding bedrock since no additional mesocavernous leads were observed within SC-04. The feature was infilled with limestone cobbles and fines. The feature appeared to be absent of non-listed troglobites and troglophiles which suggest conditions are unsuitable for listed troglobites. Additionally, there was an absence of discernible airflow emanating from within the encountered void. It should be noted that SC- 04 did not exhibit any surface expression prior to being discovered during construction.

PARTICIPANT	DISCOVERY DATE	NOTIFICATION DATE	SUMMARY
			Based on the footage collected within the solution cavity that was investigated by a USFWS permitted karst biologist, feature SC-04 would not likely be considered to contain suitable habitat for listed karst invertebrates since mesocavernous leads, biota, and airflow were not detected. To preserve void space and comply with the recommendations provided in the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) Participation Agreement recorded on December 22, 2023, the Vantage TX-11 team will fill the bottom of the feature with large rocks of at least 3 inches in diameter that are irregularly shaped to mimic natural mesocaverns, and flowable fill from the immediate vicinity that are grouted together with a brick-mortar substance or comparable substance pursuant to the Texas Commission on Environmental Quality Optional Enhanced Measures (TCEQ 2007). The participant will adhere to the "Special Conditions for Karst Participation" written in the SEP-HCP Participation Agreement recorded on December 22, 2023
LAND-SEP-APP24-46900009	5/29/2025	5/30/2025	On May 30, 2025, a Pape-Dawson Consulting Engineers, LLC (Pape-Dawson) permitted biologist evaluated a void (PH-01) that was encountered in a pilot hole on the Bella Vida site. The pilot hole was drilled into limestone (existing ground surface) that was cut during construction from the natural ground surface. The evaluation was conducted to examine the extent of the void and to determine if the presence of potential listed karst invertebrate habitat existed within the encountered feature. The evaluation was conducted in accordance with the United States Fish and Wildlife Service (USFWS) Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys and Habitat Assessments for Listed Karst Invertebrates in Central Texas (USFWS 2024). The evaluated feature was measured, probed, flagged, and had its conditions and coordinates noted with a Juniper Systems Geode GNS2 with sub-meter accuracy. Pape-Dawson personnel included Valerie Collins (ES205717-1), who reviewed the report; Walker Lazo (TE79006D-0), who led the feature evaluation; and Kara Tschirhart, who assisted with the evaluation and wrote the report. The assessed feature occurs within USFWS Karst Zone 1, areas known to contain listed karst invertebrate species (Veni, Cooper, and Dickerson 2024). A summary description for the evaluated feature is presented below. PH-01 (29.615589, -98.608547) – This feature was classified as a bedding plane feature since it was not enterable and lacked surface expression. The feature opening was located 14 feet below the existing ground surface in a 5-inch diameter pilot hole, with the bottom of the feature measured at approximately 23 feet below the existing ground surface. The feature opened into a small room that was approximately 4 feet by 5 feet with a southeastern trend of 165°. The feature was infilled with limestone blocks, cobbles, and fines. Additionally, some calcite speleothems were observed within the feature. No discernible airflow or biota were observed. Based on the footage collected within PH-01 investigated by a USFWS permitted karst biologist, potential listed karst invertebrate habitat within the feature is not likely since mesocavernous leads, biota, and airflow were not detected. The absence of signs of nutrient input needed to support the cave ecosystem indicates the feature does not contain habitat within the drilling area. Based on the footage collected within the bedding plane feature investigated by a USFWS permitted karst biologist and the lack of surface expression prior to the initial cutting of the limestone, PH-01 would not likely be considered to contain suitable habitat for listed karst invertebrates. To preserve void space and comply with the recommendations provided in the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) Participation Agreement recorded on January 22, 2025, the Bella Vida team will fill the bottom of the feature with large rocks of at least 3 inches in diameter that are irregularly shaped to mimic natural mesocaverns, and flowable fill from the immediate vicinity that are grouted together with a brick-mortar substance or comparable substance pursuant to the Texas Commission on Environmental Quality <i>Optional Enhanced Measures</i> (TCEQ 2007). The participant will adhere to the "Special Conditions for Karst Participation" written in the SEP-HCP Participation Agreement. On August 8, 2025, a Pape-Dawson Consulting Engineers, LLC (Pape-Dawson) permitted biologist evaluated a void (SC-01) that was encountered on a cut wall during excavation for a roadway and retaining wall on the Bella Vida site. The evaluation was conducted to examine the extent of the void and to determine if the presence of potentially listed karst invertebrate habitat existed within the encountered void. The evaluation was conducted in accordance with the United States Fish and Wildlife Service (USFWS) Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys and Habitat Assessments for Listed Karst Invertebrates in Central Texas (USFWS 2024). The evaluated void was measured, probed, flagged, and had its conditions and coordinates noted with a Juniper Systems Geode GNS2 with sub-meter accuracy. Pape-Dawson personnel included Valerie Collins (ES205717-1), who reviewed the report; Walker Lazo
	8/8/2025	8/8/2025	
	8/13/2025	8/13/2025	
	8/27/2025	8/28/2025	

PARTICIPANT	DISCOVERY DATE	NOTIFICATION DATE	SUMMARY
			(TE79006D- 0), who led the void evaluation; and Kara Tschirhart, who assisted with the evaluation and wrote the report. The assessed void occurs within USFWS Karst Zone 1, areas known to contain endangered terrestrial karst invertebrates (Veni, Cooper, and Dickerson 2024). A summary description for the evaluated void is presented below. SC-01 (29.61555, -98.608095) – This void was classified as a solution cavity since it was not enterable and lacked surface expression. The void was approximately 1.6 feet by 2.3 feet by 5.8 feet. The void was infilled with loose limestone cobbles and fines, but no mesocavernous extensions were detected. No non-listed troglobites or troglophiles were observed and no discernable airflow was detected, which suggests that SC-01 might not connect to a significant void space and that conditions are unsuitable for listed karst invertebrates (USFWS 2024). Additionally, some calcite speleothems were observed on the walls of SC-01, which may prevent nutrients from entering the void (USFWS 2024). Based on the footage collected within the solution cavity that was investigated by a USFWS permitted karst biologist and the lack of surface expression, SC-01 would not likely be considered to contain suitable habitat for listed karst invertebrates since no mesocavernous leads, karst biota, or discernable airflow were detected. To preserve void space and comply with the recommendations provided in the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) Participation Agreement recorded on January 22, 2025, the Bella Vida team will fill the bottom of the feature with large rocks of at least 3 inches in diameter that are irregularly shaped to mimic natural mesocaverns, and flowable fill from the immediate vicinity that are grouted together with a brick-mortar substance or comparable substance pursuant to the Texas Commission on Environmental Quality <i>Optional Enhanced Measures</i> (TCEQ 2007). The participant will adhere to the "Special Conditions for Karst Participation" written in the SEP-HCP Participation Agreement. On August 13, 2025, a Pape-Dawson Consulting Engineers, LLC (Pape-Dawson) permitted biologist evaluated a void (DS-02) that was encountered in a drill shaft for a retaining wall on the Bella Vida site. Approximately 1 cubic yard of concrete was poured into the drill shaft prior to discovery of the void when the concrete was lost into DS-02. The void opening was located approximately 6 feet below the graded surface that was cut from the natural ground surface. The evaluation was conducted to examine the extent of the void and to determine if the presence of potentially listed karst invertebrate habitat existed within the encountered void. The evaluation was conducted in accordance with the United States Fish and Wildlife Service (USFWS) Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys and Habitat Assessments for Listed Karst Invertebrates in Central Texas (USFWS 2024). The evaluated void was measured, probed, flagged, and had its conditions and coordinates noted with a Juniper Systems Geode GNS2 with sub-meter accuracy. Pape-Dawson personnel included Valerie Collins (ES205717-1), who reviewed the report; Walker Lazo (TE79006D-0), who led the void evaluation; and Kara Tschirhart, who assisted with the evaluation and wrote the report. The assessed void occurs within USFWS Karst Zone 1, areas known to contain endangered terrestrial karst invertebrates (Veni, Cooper, and Dickerson 2024). A summary description for the evaluated void is presented below. DS-02 (29.61517, -98.60930) - This void was classified as a solution cavity since it was not enterable and lacked surface expression. The void opening was located 6 feet below the graded surface in a drill shaft. The void was approximately 5 feet by 3 feet with a depth of 13 feet. However, downhole camera footage indicated that DS-02 may extend vertically past 13 feet to an unknown depth. The interior of DS-02 contained limestone bedrock and concrete that had been poured prior to discovery of the opening. No non-listed troglobites or troglophiles were observed and no discernable airflow was detected during the inspection. However, DS-02 appears to continue vertically, which may lead to a significant void space or additional mesocavernous extensions. Based on the footage collected within the void that was investigated by a USFWS permitted karst biologist, DS-02 was considered to contain potentially suitable habitat for listed karst invertebrates since DS-02 extends at least 3.3 feet beyond the surface expression, contains additional void space, and is located in Karst Zone 1 (USFWS 2024). Bait traps were placed into DS-02 on August 13 and removed on August 15. These traps consisted of a sticky trap and a bait bottle that contained blue cheese and peanut butter. The sticky trap contained four gnats (<i>Hippelates</i> sp.) and one cave cricket nymph (<i>Ceuthophilus</i> sp.). The bottle trap contained six gnats and two silverfish (<i>Texoreddellia</i> sp.). A HOBO® U23 Pro v2 data logger was placed in the deepest accessible portion of DS-02. This device was used to record the hourly temperature and relative humidity throughout the baiting period. No listed karst invertebrates were detected during the evaluation and baiting period. Therefore, due diligence with respect to karst invertebrate species is

PARTICIPANT	DISCOVERY DATE	NOTIFICATION DATE	SUMMARY
			completed and no further action is required according to the recommendations provided in the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) Participation Agreement recorded on January 22, 2025. To preserve void space, the Bella Vida team will stack gravel bags within the drill shaft to create a wall. The remaining drill shaft will then be filled with concrete, which is described in Pape-Dawson's Encountered Feature Mitigation Plan (Pape-Dawson 2025). The participant will adhere to the "Special Conditions for Karst Participation" written in the SEP-HCP Participation Agreement. On August 28, 2025, a Pape-Dawson Consulting Engineers, LLC (Pape-Dawson) permitted biologist evaluated a void (R-04) that was encountered on August 27, 2025. The void was discovered during construction activities on a roadway on the Bella Vida site. The evaluation was conducted to examine the extent of the void and to determine if the presence of potentially listed karst invertebrate habitat existed within the encountered void. The evaluation was conducted in accordance with the United States Fish and Wildlife Service (USFWS) Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys and Habitat Assessments for Listed Karst Invertebrates in Central Texas (USFWS 2024). The evaluated void was measured, probed, flagged, and had its conditions and coordinates noted with a Juniper Systems Geode GNS2 with sub-meter accuracy. Pape-Dawson personnel included Valerie Collins (ES205717-1), who reviewed the report; Walker Lazo (TE79006D-0), who led the void evaluation; and Kara Tschirhart, who assisted with the evaluation and wrote the report. The assessed void occurs within USFWS Karst Zone 1, areas known to contain endangered terrestrial karst invertebrates (Veni, Cooper, and Dickerson 2024). A summary description for the evaluated void is presented below. R-04 (29.614794, -98.607559) . This void was classified as a solution cavity since it was not enterable and lacked surface expression. The void was approximately 2 feet by 1 foot by 3 feet. The void was infilled with loose limestone cobbles and fines, but no mesocavernous extensions were detected. No non-listed troglobites or troglophiles were observed and no discernable airflow was detected, which suggests that R-04 might not connect to a significant void space and that conditions are unsuitable for listed karst invertebrates (USFWS 2024). Additionally, some calcite speleothems were observed on the walls of R-04, which may prevent nutrients from entering the void (USFWS 2024). Based on the footage collected within the solution cavity that was investigated by a USFWS permitted karst biologist and the lack of surface expression, R-04 would not likely be considered to contain suitable habitat for listed karst invertebrates since no mesocavernous leads, karst biota, or discernable airflow were detected. To preserve void space and comply with the recommendations provided in the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) Participation Agreement recorded on January 22, 2025. To preserve void space, the Bella Vida team will fill the bottom of the void with gravel to "fist-size" rocks" of at least 3 inches in diameter that are irregularly shaped to mimic natural mesocaverns pursuant to the Texas Commission on Environmental Quality <i>Optional Enhanced Measures</i> (TCEQ 2007). The remaining void will then be filled with concrete, which is described in Pape-Dawson's Encountered Feature Mitigation Plan (Pape-Dawson 2025). The participant will adhere to the "Special Conditions for Karst Participation" written in the SEP-HCP Participation Agreement.
LAND-SEP-APP24-46900012	11/14/2024	11/15/2024	After issuance of the SEP-HCP Participation Certificate, three features were encountered. Notification for encountered features F-7 and F-8 was sent via email on November 15, 2024. Notification for encountered feature F-9 was sent via email on November 21, 2024. The second closure report dated December 2, 2024 includes features F-7, F-8, and F-9. The required 24-hour notification for findings for three (3) potential features was sent on 11/15/2024. One was discovered during geotechnical investigations 11/14/2024 around 2:00 PM and the other two were discovered at an unknown time. They stopped all activity within 50' of the findings and will be installing tarps, sandbags and fencing in this area. The geologist will be out on site today/Monday to begin their review. Feature 7 lies within a shallow trench and is choked up with gravel and milled material. Feature 8 lies within a shallow trench and is a 15ft deep vertical shaft. The geotech team had initially reported a potential feature encountered within Borehole 20. During drilling, at approximately 4ft below the surface, the drill bit dropped approximately 1ft and continued into solid limestone. A down hole camera was utilized to observe the 4inch borehole for voids. Snapshots from the downhole video illustrate mostly solid limestone with some really small pockets of dissolution and a few broken pieces of limestone no more than an inch into the borehole wall.
	11/21/2024	11/21/ 2024	
	8/1/2025	8/4/2025	

PARTICIPANT	DISCOVERY DATE	NOTIFICATION DATE	SUMMARY
			No void space was observed. Therefore, no discernible feature was observed within borehole 20 and the geotech contractor will backfill the borehole accordingly. Craig Crawford is the USFWS permitted biologist who evaluated the two features on 11/20/2024. Bait trapping in features 7 and 8 began on 11/18/2024 and was completed 11/22/2024. A feature was discovered on 11/20/2024 at approx. 3:30 PM. they stopped all activity within 50' of the finding and will be installing tarps, sandbags and fencing in this area. on 11/22/2024 the feature was confirmed and evaluated (F-9). The karst feature is mostly a vertical shaft that is partially choked up with limestone cobbles and fines. The feature was encountered during excavation for a road at coordinate: 29°25'18.04", 98°47'30.99". On 11/22/2024 the first bait trap was deployed and will be checked on Monday and Wednesday of next week. In compliance with the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) Participation Certificate issued on November 8th, 2024, to DHIC-Potranco, LLC (application # LAND-SEP-APP24-46900012), this report summarizes evaluations conducted on three (3) karst voids encountered during construction activities on the 22.3-acre property located at 14690 Potranco Road. Two karst voids (F-7 and F-8) were discovered prior to November 6, 2024, when Cambrian Environmental was notified of the discovery. One karst void (F-9) was encountered on November 20, 2024. Cambrian geoscientists, who are permitted by USFWS to conduct biological evaluations for listed karst species, were contracted to investigate, evaluate, and assess the encountered features to develop a proper mitigation strategy. At the time of discovery of each karst void, construction activities were halted in the vicinity of the encountered voids. Due to the lack of physical accessibility for the three voids, bait trapping was implemented to conduct karst invertebrate evaluations as standard protocol for sites enrolled in the SEP-HCP. Karst voids F-7 and F-9 were partially filled with milled limestone tailings from trenching and grading activities. Feature F-8 was a vertical shaft with some loose millings at the bottom. Bait traps, sufficient for capturing karst invertebrates, were deployed at the deepest accessible void space within the karst void features on November 18th, 2024 (F-7 and F-8), and November 22nd, 2024 (F-9). The bait traps were checked on a Monday-Wednesday-Friday frequency. One troglobitic silverfish and sowbug were observed on bait traps within karst voids F-7 and F-8, respectively. A summary of species observed during biological evaluations was provided. Based on the presence of the troglobitic species observed and proximity of the site to other voids known to be occupied by listed species, the three karst voids are likely to contain suitable habitat for endangered karst invertebrates. The proposed mitigation method therefore allows for the maintenance of void space to support ecological function to the extent practicable. F-7: The feature is a vertical solution cavity encountered within the trench floor oriented northwest-southeast. The visible subsurface void space is shallow with loose milled tailings settled in the bottom of the void as a result of construction activities prior to feature discovery. No evidence or indication of additional void space was observed. F-8: The feature is a vertical solution cavity encountered within the trench floor, oriented northwest-southeast. The small void opening is approximately 1-ft by 1.3-ft. However, the visible subsurface void widens horizontally to a width of approximately 5-ft along a fracture trending N42°W. A majority of the void space was observed from the surface. However, some small areas below small, jagged limestone ledges were not visible due to obstruction of view. F-9: The feature is a small cave sized opening extending vertically into the subsurface. Loose limestone tailings from grading activities were observed at the bottom of the feature. A small void within coarse cobbles approximately 1.5-inch diameter extended slightly deeper than a majority of the observable void space. The small void appears to be obstructed, at depth, by settled limestone millings from grading activities. Although the features are not located in the Edwards Aquifer Recharge Zone, the TCEQ Edwards Aquifer Protection Program "Minimum Protective Standards for Sewer Line and Storm Water Trenches". Effective August 11, 1998, was used as a guide when developing a mitigation method for the three karst voids encountered on the site. The intention of the proposed mitigation method detailed in this report is to preserve and provide open macro-void space to the extent possible. The features will therefore maintain natural hydrologic and biologic functions, and will also be isolated from continued construction activities. The proposed mitigation recommendation for the three features is detailed in the steps below.

PARTICIPANT	DISCOVERY DATE	NOTIFICATION DATE	SUMMARY
			1. Backfill the voids with clean-washed rock rip-rap. Rock rip-rap is a usage category referring to larger than 3 inch by 5-inch sized stone. Rock rip-rap will be used for backfilling the feature which may involve hand placement of rock in some of the subsurface void spaces. 2. A material such as filter fabric will be placed on top of the rock rip-rap backfill to prevent concrete loss into the pore spaces of the rock backfill during the pour. Maintaining the open interstitial space in the rip-rap backfill is imperative in providing hydrologic transmissivity and potential habitat for karst invertebrates that occupy the voids. 3. Remaining void space shall be filled with concrete, having a minimum compressive strength of 2,500 psi, to match the final proposed grade elevation. The thickness of concrete caps varies for each of the six features. 4. Allow concrete to set for a minimum of 24-hours. 5. Continue construction activities according to plans and specifications. One karst void (F-10) was discovered on August 1, 2025 during landscape excavation. Cambrian geoscientists, who are permitted by USFWS to conduct biological evaluations for listed karst species, were contracted to investigate, evaluate, and assess the encountered feature to develop a proper mitigation strategy. At the time of discovery of the karst void, construction activities were halted in the vicinity of the encountered void. Due to the lack of physical accessibility for the void, bait trapping was implemented to conduct karst invertebrate evaluations as standard protocol for sites enrolled in the SEP-HCP. Karst void F-10 was a solution cavity opening within a landscape excavation for a tree and extended 6-ft vertically into the subsurface. Organic roots and some loose millings were observed at the bottom of the feature. Bait traps with a demonstrated effectiveness for capturing karst invertebrates were deployed at the deepest accessible void space within the karst void feature on August 1st, 2025. The bait traps were repeatedly checked on a Monday-Wednesday-Friday frequency to meet the thoroughness requirements set forth in the most current USFWS presence/absence survey protocols for features encountered during construction. Troglobitic silverfish, surface ants, surface earwigs and a fly were observed during the bait trap surveys within the karst void. No specimens belonging to potentially listed taxa were recovered. These results are consistent with findings for other features on the site. A summary of species observed during biological evaluations was also provided. Based on the presence of the non-listed troglobitic species observed and proximity of the site to other voids known to be occupied by listed species, the karst void may contain suitable mesocavern habitat for endangered karst invertebrates. The proposed mitigation method therefore allows for the maintenance of void space to support ecological function to the extent practicable. F-10: (29°25'21.69"; 98°47'27.80"; trend N22°E) The feature is a vertical solution cavity. The surface opening measures approximately 1.3-ft by 2-ft with a vertical depth of approximately 6-ft below the surface opening. Loose limestone tailings from excavation activities were observed at the bottom of the feature encountered within the landscape excavation. Although no surface expression had been observed prior to discovery, the feature did contain tree roots. No evidence or indication of additional cave passage was observed. Although the features are not located in the Edwards Aquifer Recharge Zone, the TCEQ Edwards Aquifer Protection Program "Minimum Protective Standards for Sewer Line and Storm Water Trenches". Effective August 11, 1998, was used as a guide when developing a mitigation method for the three karst voids encountered on the site. The intention of the proposed mitigation method detailed in this report is to preserve and provide open macro-void space to the extent possible. The features will therefore maintain natural hydrologic and biologic functions, and will also be isolated from continued construction activities. The proposed mitigation recommendation for the three features is detailed in the steps below. 1. Backfill the voids with clean-washed rock rip-rap. Rock rip-rap is a usage category referring to larger than 3 inch by 5-inch sized stone. Rock rip-rap will be used for backfilling the feature which may involve hand placement of rock in some of the subsurface void spaces. 2. A material such as filter fabric will be placed on top of the rock rip-rap backfill to prevent concrete loss into the pore spaces of the rock backfill during the pour. Maintaining the open interstitial space in the rip-rap backfill is imperative in providing hydrologic transmissivity and potential habitat for karst invertebrates that occupy the voids. 3. Remaining void space shall be filled with concrete, having a minimum compressive strength of 2,500 psi, to match the final proposed grade elevation. The thickness of concrete caps varies for each of the six features. 4. Allow concrete to set for a minimum of 24-hours.

PARTICIPANT	DISCOVERY DATE	NOTIFICATION DATE	SUMMARY
LAND-SEP-APP24-46900013	6/11/2025	6/11/2025	5. Continue construction activities according to plans and specifications. On June 11, 2025, a Pape-Dawson Consulting Engineers, LLC (Pape-Dawson) permitted biologist evaluated a void (C-01) that was encountered while site grading on the Creek Bend site. The evaluation was conducted to examine the extent of the void and to determine if the presence of potential listed karst invertebrate habitat existed within the encountered feature. The evaluation was conducted in accordance with the United States Fish and Wildlife Service (USFWS) Section 10(a)(1)(A) Scientific Permit Requirements for Conducting Presence/Absence Surveys and Habitat Assessments for Listed Karst Invertebrates in Central Texas (USFWS 2024). The evaluated feature was measured, probed, flagged, and had its conditions and coordinates noted with a Juniper Systems Geode GNS2 with sub-meter accuracy. Pape-Dawson personnel included Valerie Collins (ES205717-1), who reviewed the report; Walker Lazo (TE79006D-0), who led the feature evaluation; and Kara Tschirhart, who assisted with the evaluation and wrote the report. The assessed feature occurs within USFWS Karst Zone 4b, areas which do not contain troglobite species (Veni, Cooper, and Dickerson 2024). C-01 (29.718004, -98.447297) - This feature was classified as a cave since it was enterable, although the feature entrances were too narrow. The cave was located 5 feet below the natural ground surface and was exposed during grading. The feature consisted of two vertical shafts that were conjoined by a room at the bottom of the feature. The first shaft was approximately 4.3 feet by 3.8 feet with a depth of about 11 feet below the existing ground surface. The second shaft was exposed from an approximately 1.3 feet by 0.8 foot opening located at the base of the trench wall. This shaft had a diameter of approximately 3.8 feet and extended to a depth of about 9 feet below the existing ground surface. The feature opened into a room that was approximately 4 feet by 10 feet with a southwestern trend of 238°. The feature was infilled with limestone blocks, cobbles, and leaf litter. No discernible airflow was observed; however, some harvestmen (<i>Leiobunum townsendi</i>) were observed at the entrance of the first shaft. Based on the footage collected within C-01 investigated by a USFWS permitted karst biologist, potential listed karst invertebrate habitat within the feature is possible since C-01 extends at least 3.3 feet beyond the surface expression, contains mesocavernous leads, and contains troglophiles (USFWS 2024). Additionally, roots were observed within the second shaft, which suggests that C-01 has some nutrient input that is needed to support the cave ecosystem. Based on the footage collected within the feature investigated by a USFWS permitted karst biologist, C-01 was considered to contain potentially suitable habitat for listed karst invertebrates. Bait traps were placed into the feature on June 12 and removed on June 16. These traps consisted of a sticky trap and a bait bottle that contained blue cheese and peanut butter. The sticky trap contained one unknown eyed beetle (Coleoptera), one unknown ant (Formicidae), and legs of cave crickets (<i>Ceuthophilus</i> sp.). No biota was observed within the bottle trap. However, this area received approximately 7 inches of rain during this evaluation, which may have impacted the baiting results. No listed karst invertebrates were detected during the evaluation and baiting period. Therefore, due diligence with respect to karst invertebrate species is completed and no further action is required according to the recommendations provided in the Southern Edwards Plateau Habitat Conservation Plan (SEP-HCP) Participation Agreement recorded on January 31, 2025. To preserve void space and comply with the recommendations provided in the SEP-HCP Participation Agreement, the Creek Bend team will fill the bottom of the feature with large rocks of at least 3 inches in diameter that are irregularly shaped to mimic natural mesocaverns, and flowable fill from the immediate vicinity that are grouted together with a brick-mortar substance or comparable substance pursuant to the Texas Commission on Environmental Quality <i>Optional Enhanced Measures</i> (TCEQ 2007). The participant will adhere to the "Special Conditions for Karst Participation" written in the SEP-HCP Participation Agreement.