BCCP Administration		
Infrastructure Projects	Nine Infrastructure Habitat Assessment Applications were processed, and Determination Letters were issued from April 2023 through September 2023.	
Land Acquisition/ Management Agreements	Austin Water (AW) BCP was approached in April 2022 by developer representatives of the proposed Juniper Apartments on FM 620 near Zimmerman Lane adjacent to existing AW BCP-managed Bull Creek Preserves. Because of the proximity of Jollyville salamander springs nearby on Bull Creek, the creek channels making up the proposed preserve, the frequent observation of endangered Golden-cheeked Warblers, the high frequency of nearby caves with endangered karst species, AW BCP offered to manage a small preserve here. A site inspection of Aug 25 revealed several potential filled caves within a block of several federal permit caves. In August, Parks & Recreation requested the site for a public trail through parkland dedication of the development review process and AW BCP has offered to co-manage it as a preserve with public trails.	
	AW BCP is working with the owner of Four Points Preserve to transfer ownership to the City of Austin. This site is a high priority acquisition, containing 4 BCCP permit caves and springs with Jollyville salamanders.	
	Brodie Oaks Mall representatives drafted an access easement for the portion of Airmen's Cave beneath the mall as requested. It is currently awaiting signature by the City of Austin's Law Department.	
Reports and Events	BCP staff gave presentations/tours at local and international conferences and events to educate the public about BCP species, research, and restoration work, including the Society for Ecological Restoration's World Conference, Balcones Canyonlands Master Naturalists, McNeil High School, and Healthy Soils/Healthy Trees, Wildflower Center, Barton Springs University, Clay Minerals Society, and National Cave and Karst Day.	
	A Whirlpool Patio Ribbon Cutting Event was held at the Violet Crown Trail/Whirlpool Cave Preserve at Mopac South and Convict Hill Rd. Councilwoman Paige Ellis and others were guest speakers. A permanent cave mural, cave educational signs, and a salamander sculpture were unveiled. Professionals provided information on bats, tawny crazy ants, UT Grotto, including live bats. A tour of Whirlpool Cave was offered to 118 explorers. The event was sponsored by Public Works, Hill Country Conservancy, and AW BCP.	
	BCP staff are updating and modernizing Land Management Plans.	
Dual- managed Properties	Mountain-bikers continue to create new, unauthorized trails within the Barton Creek Wilderness and Greenbelt. BCP staff continue to work with Austin Parks & Recreation Dept. (PARD) staff to close them down.	
	BCP staff provided comments on PARD's draft land management plan (Climate Vulnerability Analysis and Land Management Strategies).	
	Met with PARD staff and Austin Archery Club members to discuss renewal of use agreement at Emma Long Metropolitan Park.	
Personnel	Erik Ruben joined WCD staff as a ranger.	
Rare and Endangered Species Resources Management		

BCP contractors and staff published the following paper in July 2023: <u>Urban land cover and El Niño events negatively impact population visibility of an endangered North American sonabird (wiley com).</u> Findings attribute an observed decline in GCWA abundance between 2015 and 2019 to a single, strong El Niño event that occurred during the winter of 2015 to 2016. The publication also concludes that magament to promote nesting success, including minimizing impacts from urban encroachment by protecting, maintaining and creating high quality Ashe juniper-oak woodlands, is critical to overcoming threats that the GCWA faces throughout its limited range.  In collaboration with BCP staff, Dr. Giri Athrey/Texas A&M submitted the following report to U.S. Fish and Wildlife Service (USFWS) on March 31, 2323: Athrey, G., L. Moulton, and L. O'Donnell. 2023. Golden-cheeked warbler population genomics: a report on the current population genetic status of golden-cheeked warblers.  BCP staff mapped territories, color-banded adult birds, and documented nesting success of GCWAs on 11 intensive study plots (including one on The Nature Conservancy's Barton Creek Habitat Preserve) from March through June. BCP staff also searched one former study plot for returning banded birds.  Between 60 and 70 volunteers searched for banded GCWAs outside the study plots on more than thirty 100-acre search areas between late March and late May. An appreciation event for those volunteers took place on July 29.  From March through July, BCP staff mapped territories, color-banded adult birds, and documented nesting success of BCVIs in eight areas where the birds have attempted to establish territories in the past.  During summer months, BCP staff entered data into ArcProject, performed quality assurance/quality control, and prepared spreadsheets for future analysis.  USFWS published a final rule to list the bracted twistflowers at Ullrich Water Treatment Plant, Bright Leaf Preserve, and Bull Creek District Park, and guided volunteers and PARD rangers f		
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mitigate the FM 2222 bypass to RM 620.		BCP staff continue to excavate filled caves on AW BCP preserves along FM 2222 and
Mapping of new cave at Wildflower Center (Cricket Cave) continues.		Mapping of new cave at Wildflower Center (Cricket Cave) continues.
Eight days of restoration work led by BCP staff at Wildflower Cave.		Eight days of restoration work led by BCP staff at Wildflower Cave.

	One day of restoration work conducted at Sacred Grove Cave on Stovepipe Preserve.	
Jollyville Plateau Salamander (JPS)	BCP continues to conduct aquatic life surveys of springs across the BCP on a periodic basis in hopes of locating new salamander locations and other rare stygobitic life.	
	BCP staff continue to conduct twice yearly JPS surveys in Testudo Tube, all salamanders captured are photographed for future population analysis.	
	Watershed Protection's (WP) Upper Bull Dam removal/Low Head Dam notching proposal: WP staff are leading efforts to improve habitat for JPS and GCWA, and prevent future flooding/erosion/sedimentation issues by notching 5 failing dams on upper Bull Creek. The proposal is in the planning stages, and WP is coordinating with BCP, USFWS, and Corps of Engineers.	
	JPS/DNA: Pete Diaz (USFWS) along with WP and BCP staff took tail clips from salamanders at several JPS sites. Pete needed genetic material for a larger project examining species boundaries and determining migration events of these salamanders across the Edwards Plateau.	
	JPS/eDNA: BCP staff met with Stantec consulting staff for the final water sampling collection event for the TxDOT-funded eDNA study to help determine if there are salamanders present at springs that may be impacted by future TxDOT road expansion work. The water collected at the Franklin tract (main branch just upstream of tributary 7), a known JPS site, was to show that their methodology is sound.	
	Plant and Animal Control	
Mammals	To reduce feral hog numbers, BCP staff continue to operate several hog pen traps.	
Red-imported Fire Ants (RIFA) and Tawny Crazy Ants (TCA)	With funding provided under the interlocal agreement with the University of Texas at Austin, Ed LeBrun continued monitoring TCA and native ant densities and effectiveness of management strategies.	
	BCP staff treated RIFA at several BCP cave sites with boiling water.	
Invasive Plants	BCP staff continue to remove non-native plants on City of Austin BCP tracts.	
Land Stewardship		
Habitat Restoration	BCP staff and volunteers continued working on restoration projects on the JJ&T and Vireo Preserve tracts to promote water infiltration, slope stabilization, soil restoration, and reforestation on degraded sites to promote future habitat for GCWA and BCVI. Provided trainings for Master Naturalists, American YouthWorks, and corporate groups.	
	Staff continued to maintain and expand hyper-local native plant nurseries for restoration projects across the BCP.	
	Staff led habitat restoration workdays for volunteers on BCP tracts 3-5 times each week.	
	Staff gave away many native plants grown from the Reicher greenhouse to various local organizations tasked with multiple restoration projects.	
Oak Wilt	BCP staff inspected several known oak wilt centers in this period.	

Wildfire Preparedness	Work began in September, after the avian breeding season ended, to restore shaded fuel breaks compromised by limbs and trees felled by Winter Storm Mara.		
	Work on a new shaded fuel break began along the boundary between the Cortaña tract and the UT Golf Club in Steiner Ranch.		
	Finalizing an application for the FEMA Hazard Mitigation Grant Program through the Texas Division of Emergency Management (TDEM) for proposed fuel reduction projects on BCP.		
Fencing	No fences were installed during the GCWA/BCVI nesting season.		
Infrastructure Maintenance	In September, Wildland Conservation Division (WCD) and BCP staff resumed clearing trees and limbs downed by the ice of Winter Storm Mara from roads, trails, and boundaries, and chipping them into mulch – work that was suspended during the avian breeding season.		
	Law Enforcement		
Trespass/ Criminal Activity	WCD and BCP staff continued to work on efforts to curtail illegal mining of minerals from the base of the bluff along PARD's Hough tract and BCP's Hiller and Gibson tracts.		
	Staff continued to observe serious trespass issues at Forest Ridge and the Hiller tracts; this illegal trespass is coming in from the adjacent PARD Hough tract.		
	Staff and neighbors continued to notice illegal activities at the end of Old Lampasas Trail. Staff are assisting neighbors in efforts to close this problematic portion of Old Lampasas Trail and working directly with the Travis County Sheriff's office.		
	Vandals tore down part of an old corral and damaged vegetation at a relic ranch building on the Cortaña tract. Signs of a recent campfire within the structure were also found. WCD rangers reconstructed the corral, posted a "no trespassing" sign, and recommended demolishing this "attractive nuisance" to further discourage trespass.		
	A neighbor on the northeast boundary of the Cortaña tract trespassed onto the property to cut up ice-downed limbs. WCD and BCP staff advised the neighbor that such trespass is prohibited.		
	Staff found a recently marked new trail on the Senna Hills tract in August. WCD rangers monitored and found no further activity on the trail over the next month.		
	The yard crew of a neighbor on the northeast boundary of the Cortaña tract dumped limbs from an ice-damaged tree across the fence onto BCP property. Response pending.		
	Continued patrols of BCP boundaries.		
	Rangers investigated a large brush pile on Long Canyon near the HOA trail.		
Outreach/Volunteers			
See above and BCP Partners Education Summary April – September 2023			