

APGA-USFS Tree Gene Conservation Partnership 2018 *Quercus cedrosensis* Scouting Report



Prepared for:

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Submitted:

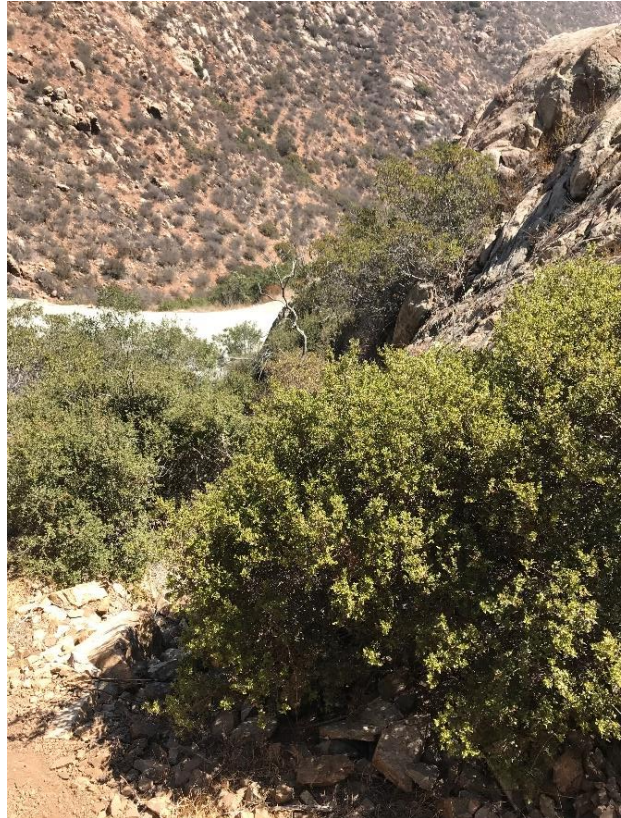
November 20th 2018

Introduction

In January of 2018 Rancho Santa Ana Botanic Garden (RSABG) was awarded funds by the American Public Gardens Association – United States Forest Service Gene Tree Conservation Partnership to collect acorns from multiple US occurrences of Cedros Island oak (*Quercus cedrosensis*), establish a conservation grove at RSABG, and distribute propagules to other botanic institutions as a means of *ex-situ* conservation for this rare oak species.

2018 Scouting Effort

On September 11th 2018, Duncan Bell (Senior Field Botanist) and Joy England (Rare Plant Botanist) visited three *Quercus cedrosensis* occurrences (Element Occurrence [EO] #2, #3, #6) along the United States – Mexico border in San Diego County, California. Field surveys were interrupted by the United States Border Patrol, who asked Bell and England to leave the area as the Border Patrol would be locking the gates to the road that runs along the border where the populations of *Quercus cedrosensis* occur. Due to this interruption, no additional occurrences were visited in 2018. While Bell and England observed plants at EO's #2 #3, and #6, no acorns were observed and plants were found to be vegetative. This was most likely due to lower than average precipitation and ongoing drought conditions. With no acorns present, seed collection will need to be postponed until Fall 2019, or until acorns are produced.



Quercus cedrosensis growing road-side along the United States - Mexico border.

Voucher specimens were collected in duplicate from the three visited occurrences. Information about the voucher specimens can be found in Table 1. Due to the fact that the voucher specimens are lacking acorns, additional voucher specimens will likely be collected in 2019, or once the plants produce acorns.

A budget spreadsheet and a draft of the 2018 invoice can be found attached to this report as Appendix A and B, respectively. RSABG requests an extension to use the remaining funds in 2019 in order to make a second attempt at acorn collection for this rare oak species.

Table 1. 2018 *Quercus cedrosensis* voucher specimen information.

Voucher ID	EO #	Locality	Notes
Bell #12,134	2	Vicinity of Wild Bill's Draw, just north of the US/Mexico Border; from 32.56013, -116.86269, to 32.55831, -116.85811	+/- 50 shrubs in small side drainages above road and in larger main drainage below road.
Bell #12,135	6	Along border patrol road, approx. 2.9 air miles southeast of Doghouse Junction. 32.56125, -116.82948	Approx. 50 shrubs on slopes, in smaller side canyon, and in larger main canyon, growing with <i>Quercus engelmannii</i> .
Bell #12,138	3	Along border patrol road, approx. 3.5 air miles southeast of Doghouse Junction. 32.56364, -116.80479	More than 50 shrubs scattered in canyon bottom and on adjacent slopes.

Appendix A. Budget Spreadsheet

Description	Total budget					Spent in 2018			Remaining in 2019		
	Quantity	Unit Price	Total	Requested Support	RSA contribution	Total Spent in 2018	2018 Requested Support	2018 RSA Contribution	Total Remaining	Remaining Requested Support	Remaining RSA Contribution
Botanist (administration and planning; hours)	40	\$20.00	\$800.00		\$800.00	\$400.00		\$400.00	\$400.00		\$400.00
Botanist (scouting; hours)	80	\$20.00	\$1,600.00	\$1,600.00		\$400.00	\$400.00		\$1,200.00	\$1,200.00	
Botanist (collecting; hours)	70	\$20.00	\$1,400.00	\$1,400.00					\$1,400.00	\$1,400.00	
Botanist (acorn processing and distribution; hours)	5	\$20.00	\$100.00		\$100.00				\$100.00		\$100.00
Botanist (reporting; hours)	25	\$20.00	\$500.00	\$400.00	\$100.00	\$60.00		\$60.00	\$440.00	\$400.00	\$40.00
Benefits @ 37% of base rate	220	\$7.40	\$1,628.00	\$1,139.60	\$488.40	\$318.20		\$318.20	\$1,309.80	\$1,139.60	\$170.20
Vehicle Mileage	2000	\$0.535	\$1,070.00	\$535.00	\$535.00	\$163.50		\$163.50	\$906.50	\$535.00	\$371.50
Field Supplies (notebooks, batteries, collecting supplies)	1	\$100.00	\$100.00		\$100.00	\$100.00		\$100.00			\$0.00
<i>Subtotal</i>			<i>\$7,198.00</i>			<i>\$1,441.70</i>			<i>\$5,756.30</i>		
Negotiated IDC rate 41.68%			\$3,000.13		\$3,000.13	\$600.90		\$600.90	\$2,399.23		\$2,399.23
Total			\$10,198.13	\$5,074.60	\$5,123.53	\$2,042.60	\$400.00	\$1,642.60	\$8,155.53	\$4,674.60	\$3,480.93

Appendix B. Draft Invoice



DRAFT INVOICE

DATE: 11/20/2018

RSABG CONTACT:		SOLD TO:	
Cost Center: 117	Cheryl Birker Seed Conservation Program Manager	Pam Allenstein Plant Collections Network Manager	
Project Code: 828	Rancho Santa Ana Botanic Garden 1500 North College Avenue	American Public Gardens Association 351 Longwood Road	
Account Code: 4200	Claremont, CA 91711 Phone: (909) 625-8767 ext. 259	Kennett Square, PA 19348 pallenstein@publicgardens.org	

DESCRIPTION:

For work completed September 2018 through November 2018 on the 2018 Scouting/Collecting Trip for Quercus cedrosensis. Three Quercus cedrosensis occurrences were scouted, but no acorns were observed on the plants and the collecting should be postponed until Fall 2019. RSA contribution for this invoice covers all but the Botanist scouting hours (additional budget details can be found in Appendix A of the 2018 Quercus cedrosensis Scouting Report).

ID	DESCRIPTION	Amt	Unit Price	Amount
1	Botanist (administration and planning; hours)	20	\$20.00	\$400.00
2	Botanist (scouting; hours)	20	\$20.00	\$400.00
3	Botanist (reporting; hours)	3	\$20.00	\$60.00
4	Benefits @ 37% of base rate	43	\$7.40	\$318.20
5	Vehicle mileage	300	\$0.545	\$163.50
6	Field supplies (notebooks, batteries, collecting supplies)	1	\$100.000	\$100.00
7	Negotiated IDC rate (41.68%)			\$600.90
8	Subtotal			\$2,042.60
9				
10				
11	RSA Contribution			\$(1,642.60)
12				
13				
14				
15				
16				
17				
18				
			PAY THIS AMOUNT	\$400.00

Please return one (1) copy of the invoice with payment

THANK YOU FOR YOUR BUSINESS!

Questions or concerning this invoice? Call: Accounting Department (909) 625-8767 ext. 237

Please make checks payable to Rancho Santa Ana Botanic Garden