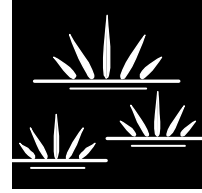


# GLENN LUKOS ASSOCIATES

Regulatory Services



October 25, 2019  
[Revised October 28, 2019]

Richard J. MacHott  
Planning Manager  
City of Lake Elsinore  
130 South Main Street  
Lake Elsinore, California 92530

**SUBJECT:** Change Order to Provide Ongoing Biological Support for the Summerhill Drive Extension Project Located in Lake Elsinore, Riverside County, California.

Dear Mr. MacHott:

Glenn Lukos Associates (GLA) was retained by the City of Lake Elsinore (City) to conduct general and focused biological surveys for the Summerhill Drive Extension Project (Project) located in the City. During these surveys, we identified several ponded areas that need to be surveyed for listed fairy shrimp pursuant to the U.S. Fish and Wildlife (USFWS) survey protocol for listed fairy shrimp species.

GLA is proposing to conduct a protocol survey, which consists of wet and dry-season fairy shrimp surveys. The assessment and surveys would be performed in accordance with the USFWS survey guidelines and in compliance with the Western Riverside County Multiple-Species Habitat Conservation Plan (MSHCP) requirements for listed fairy shrimp surveys.

In the interest of time, GLA will utilize funds from the existing Agreement for Professional Services dated January 8, 2019 to initiate both surveys with notifications to USFWS. GLA will request immediate initiation of the dry-season soil sample collection from the USFWS. It is GLA's understanding that this change order request will be on the agenda of the next City Council meeting which will be held on November 12, 2019.

## **COST**

The proposed not-to-exceed fee (fixed fee) for performance of the attached scope of work is \$53,480 including direct costs, but not including meetings or other tasks not specifically addressed in the scope of work. This is in addition to the \$109,362 that was previously authorized for a total maximum fee of \$162,842 including direct costs.

29 Orchard  
Telephone: (949) 837-0404

■ Lake Forest

■ California 92630-8300  
Facsimile: (949) 837-5834

Richard J. MacHott  
Planning Manager  
City of Lake Elsinore  
October 25, 2019 [Revised October 28, 2019]  
Page 2

The following assumptions are incorporated into the proposed fee:

- No focused plant surveys are included in the attached scope of work.
- No focused animal surveys, other than listed fairy shrimp surveys, are included in the attached scope of work.
- Permission to access the study areas and keys or combinations to locked gates will be obtained by the client and provided to GLA. Please be advised that GLA cannot perform offsite work or prepare reports about offsite areas without the written permission of those property owners.
- All survey work will be limited to approximately 0.60 acre of potential habitat on site, assuming a maximum of up to eight ponding features to be sampled. If more than eight features require sampling, resulting in an increased sampling effort, GLA will provide a separate proposal to cover additional survey costs.
- Field studies will be performed at a time, to be arranged with the client.

## **SCHEDULE**

With written approval from the City that funds from the existing Agreement for Professional Services may be utilized, work will begin the week of October 28, 2019 with notifications to the USFWS.

Should you have any questions regarding this change order please call me at (949) 340-9088.

Sincerely,

GLENN LUKOS ASSOCIATES, INC.



Thienan Pfeiffer  
President  
p: 1228-2c.pro.docx  
ZW  
Enclosure

**SCOPE OF WORK  
BIOLOGICAL SUPPORT SERVICES  
FOR THE SUMMERHILL DRIVE EXTENSION  
LOCATED IN THE CITY OF LAKE ELSINORE,  
RIVERSIDE COUNTY, CALIFORNIA**

**TASK I. CONDUCT WET SEASON FAIRY SHRIMP SURVEY**

A biologist holding a valid 10(a)(1)(A) permit will conduct a wet season survey for listed fairy shrimp. This proposal is inclusive of hydrology monitoring and sampling for a maximum of eight seasonally ponded features located within the survey area.

Per the USFWS survey guidelines, the surveyor is to visit site after initial storm events to determine when features are inundated. A feature is considered inundated when it holds greater than 3 centimeters (cm) of standing water 24 hours after a rain event. Once inundation is verified, features are to be monitored and sampled from the start of the first ponding event of the season and sampled every 7 days until the feature is no longer ponded, or until the feature has surpassed 120 days of continuous ponding, which for 120 days of continuous ponding would require 20 sampling visits. If features dry up and subsequently pond again during the wet season, surveys must be re-initiated following the same protocol. Mature fairy shrimp detected in ponded depressions will be collected and identified to species.

This task allows for a maximum of 20 site visits to monitor and sample ponded depressions. If additional survey visits are necessary due to unpredictably high rainfall causing longer than normal ponding, the existing contract can be amended to allow for additional visits. Conversely, if below-normal rainfall results in a reduced frequency of ponding, then GLA will only perform those visits necessary to sample the features per the USFWS survey guidelines. If a listed species is identified in one or more features, surveys can be halted for the feature(s) where detected, thus eliminating the need for ongoing surveys for said feature(s) and reducing overall wet season sampling costs.

Following the completion of the wet season survey, a report will be prepared to document the results of focused surveys. This report must be submitted to USFWS within 90 days of completion of surveys as a requirement of the survey protocol and of our permit that allows us to conduct such surveys.

**TASK II. CONDUCT DRY SEASON FAIRY SHRIMP SURVEY**

A biologist holding a valid 10(a)(1)(A) permit from USFWS will perform a dry season survey for fairy shrimp cysts in accordance with the current protocol adopted by the USFWS. This scope of work allows for a maximum of three depressional features to be surveyed, as previously identified in other biological assessments.

Per the USFWS survey protocol, the number of samples collected is determined by the size of each feature. Based on current data, up to 25 soil samples will be collected from each feature and processed to determine the presence/absence of fairy shrimp cysts. The soil samples will be first collected by a GLA biologist, and then provided to a biologist approved by USFWS for processing. Based on cyst morphology, any cysts detected through soil processing will be identified to genus. Following the completion of the dry season survey, a report will be submitted to the USFWS to document the results of the focused survey. This report must be submitted to USFWS within 90 days of completion of soil analysis as a requirement of the survey protocol and of our permit that allows us to conduct such surveys.

### **TASK III. PROJECT COORDINATION**

GLA will coordinate the results of the fairy shrimp surveys with the Project team to ensure that any potential problems are made known and resolved at the earliest possible opportunity. This task includes a maximum of one meeting. If additional meetings are needed, they will be incorporated into the scope of work as part of a future change order.

## **COST**

The table below has been developed to aid us in estimating the total cost of the proposed work and is provided for your information only. Unless otherwise arranged with the client, the cost of each task is not meant to be precise and we may find it necessary to shift costs between tasks as the work proceeds.

TASK	
	TOTAL COSTS
Task 1. Conduct Wet Season Fairy Shrimp Surveys	\$34,650
Task 2. Conduct Dry Season Fairy Shrimp Surveys	\$16,500
Task 3. Project Coordination	\$2,330
<b>TOTAL</b>	<b>\$53,480</b>