

Project Update: April 2013

Locality: "Serranía de los Churumbelos" National Park



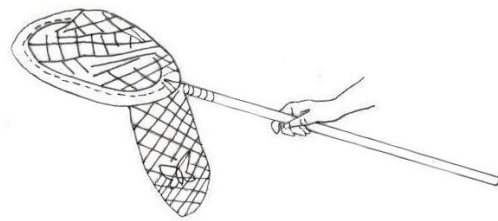
Map of Colombia's Natural Serranía de los Churumbelos National Park (circled in red)

The park is located approximately 1 ° 11 'North and 76 ° 24' West) in the territory of the departments of Cauca - Caquetá - Putumayo - Huila, in the jurisdiction of the towns of San José del Fragua (Caquetá), Santa Rosa, Palestine and Acevedo (Huila) and Mocoa (Putumayo).

The first part of the project was to identify and purchase the required equipment to perform field sampling.

Field work was conducted during the month of April. Fortunately, it was possible to conduct intensive sampling due to the support offered by the local habitants of the Park.

The sampling methodology was based on direct species' observation in their own habitats. Only



those species that could not be identified in field were captured for further examination.

Sampled landscapes





This fantastic park allowed us to consider multiple types of habitats such as, streams, rivers and small waterfalls, besides following the triangle methodology proposed in the project.

For thorough examination, temperature data were recorded and tabulated for every dragonfly specie associated with each microhabitat; this systematic approach will help to identify and standardise the protocol for this park.

Odonata species



Left: *Heteropodagrion croizati* (Megapodagrionidae). Right: *Polythore concinna* (Polythoridae)



Left: *Palaemnema piscicaudata* (Platystictidae). Right: *Polythore derivata* (Polythoridae).



Left: *Psaironeura tenuissima* (Protoneuridae). Right: *Forcepcioneura westfalli* (Protoneuridae).



These are some of the species identified to date. They have been considered/designated as potential indicators of water bodies in the park. Due to their intrinsic relation with their habitat conditions, these species will be in danger if there is any alteration to the Park's ecosystem (e.g., water resources, forest density, etc)

Tandem Argia sp

With the people



We enjoyed working with local guides who were interested in our proposed protocol. These local guides

were really passionate for the identification of dragonflies and the park's conservation as a natural resource. At the end of the project these guides will be certified.

The local guides will also serve as another venue to spread the news around the community.

Next step

- Statistical analysis of the data obtained during the field work is required.
- Design mini guide brochure using recent photographic and records.
- Plan fieldwork for the Tatamá Natural National Park. This Park is located in Santuario Township, Risaralda.

