

Project Update: August 2019

The project that is being implemented is framed in the document: "Andean Highlands in the Junín Region: Current State and Strategic Conservation Plan", which the RANA Group has been implementing with various partners, among them

Institutions	Type of support offered (up to August 2019)
The Rufford Foundation	Equipment and materials
RANA Group	Human resources, equipment, materials, social networks, presentations, dissemination of projects.
National Geographic Society	Funding for field expedition of threatened frogs (<i>Telmatobius macrostomus</i> and <i>T. brachydactylus</i>) in historical record sites.
Junín National Reserve (SERNANP)	Equipment, materials, environmental education session support, frog costumes, park rangers support.
Denver Zoo	Equipment and materials, support of personnel.
GoFundMe	Support in the purchase of equipment and materials.
Peasant Communities and Local Governments	Food
Amphibian Ark	Environmental education manuals
NGO ECOAN	Advising
Unidad de Gestión Educativa Local UGEL-JUNÍN	Advising, coordination and approval of Project work plan
I.E. Jorge Chávez Dartnell	Participation, equipment y materials
I.E. 6 de Agosto	Participation, equipment y materials
I.E. Simón Bolívar	Participation, equipment y materials
I.E. San Juan de Ondores	Participation, equipment y materials
I.E. San Francisco de Uco	Participation, equipment y materials
I.E. Húsares de Junín	Participation, equipment y materials
I.E. San Pedro de Pari	Participation, equipment y materials
Municipalidad Distrital de San Juan de Ondores	Equipment, materials, human resources, diffusion of material
Comunidad de San Juan de Ondores	Participation
Empresa Nebys	Materials
Peace Corps	Advising, human resources

Activities Completed

Activity 01	Results
Coordination with the Junín School District	The school district of the Province of Junín is a local office, and part of the Ministry of Education that regulates the educational processes of the province. As a result, it was necessary to coordinate with this institution with the end goal of building a team for the "Citizen Science Environmental Education Program with Local Students from the Province of Junín."

Activity 02	Results																																																	
Selection of Educational Institutions	<p>The Province of Junín contains 27 educational institutions at the high school level, seven of which were selected. The three principal characteristics of these institutions were:</p> <ul style="list-style-type: none"> • Express interest in form part of the project • Be a public educational institution • Be located in areas with a history of registered frogs. <p>The beneficiaries of the Project are students in first grade of high school, between the ages of 12 and 14, and form an overall group of 163 people.</p> <p><i>Table 1. Educational institutions participating in the program "Citizen Science Environmental Education with Local Students from the Province of Junín"</i></p> <table border="1"> <thead> <tr> <th rowspan="2">Educational Institution</th> <th colspan="4">Participants</th> </tr> <tr> <th>Female Students</th> <th>Male Students</th> <th>Teachers</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Libertador Simón Bolívar</td> <td>29</td> <td>20</td> <td>1</td> <td>50</td> </tr> <tr> <td>6 de Agosto</td> <td>22</td> <td>15</td> <td>1</td> <td>38</td> </tr> <tr> <td>Jorge Chávez Dartnell</td> <td>14</td> <td>10</td> <td>2</td> <td>26</td> </tr> <tr> <td>Húsares de Junín</td> <td>6</td> <td>3</td> <td>3</td> <td>11</td> </tr> <tr> <td>San Juan de Ondores</td> <td>2</td> <td>6</td> <td>1</td> <td>9</td> </tr> <tr> <td>San Francisco de Uco</td> <td>2</td> <td>3</td> <td>2</td> <td>7</td> </tr> <tr> <td>San Pedro de Pari</td> <td>9</td> <td>12</td> <td>1</td> <td>22</td> </tr> <tr> <td></td> <td>84</td> <td>68</td> <td>10</td> <td>163</td> </tr> </tbody> </table>	Educational Institution	Participants				Female Students	Male Students	Teachers	Total	Libertador Simón Bolívar	29	20	1	50	6 de Agosto	22	15	1	38	Jorge Chávez Dartnell	14	10	2	26	Húsares de Junín	6	3	3	11	San Juan de Ondores	2	6	1	9	San Francisco de Uco	2	3	2	7	San Pedro de Pari	9	12	1	22		84	68	10	163
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Photograph 1. "Libertador Simón Bolívar" High School (First Grade "A").



Photograph 2. "Libertador Simón Bolívar" High School (First Grade "B").



Photograph 3. "6 de Agosto" High School (First Grade "E").



Photograph 4. 6 de Agosto High School (First Grade "F").



Photograph 5. "Jorge Chávez Dartnell" High School (First Grade "C" and "D").



Photograph 6. "Húsares de Junín" High School.



Photograph 7. "San Juan de Ondores" High School.



Photograph 8. "San Francisco de Uco" High School.



Photograph 9. "San Pedro de Pari" High School.

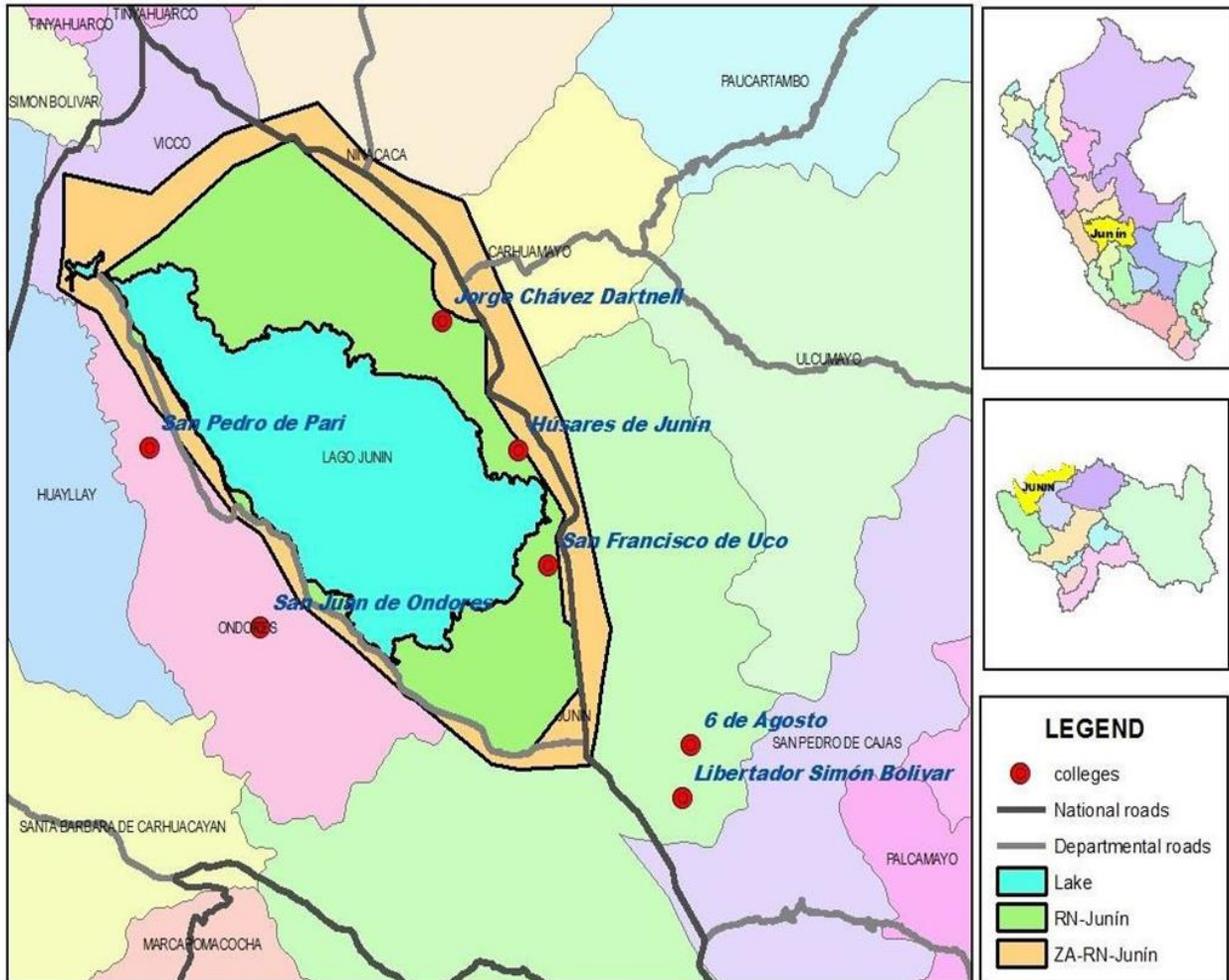


Figure 1. Distribution of High Schools.

Activity 03	Results
<p>Development of the “Citizen Science Environmental Education Program with Local Students from the Province of Junín.”</p>	<p>The “Citizen Science Environmental Education Program with Local Students from the Province of Junín” utilizes a variety of activities oriented towards environmental education both inside and out of the classroom setting. The program includes six educational sessions, three of them theory-based (and taught in the classroom) and three practical sessions (taught in the field. All sessions are taught within the STEM focus mandated by the Ministry of Education for the high school level, with each session lasting approximately 90 minutes. Up to this point, students from all</p>



Photograph 10. Theory-based sessions.



Photograph 11. Practical sessions.

Activity 04	Results
Development of theory-based sessions	Theory-based sessions take place within the educational institutions with the final result of promoting understanding of the current state of frogs and their conservation through use of emotions, imagination and association. Up to this point, students have received two theory-based sessions.



Photograph 12. Students learn the current state of Junín frogs. Photograph 13. Students with a Giant Junín Frog.



Photograph 14. Students participating in the activity "Frogs vs. Trout".

Activity 05	Results
Development of practical sessions	<p>Practical sessions take place in the field, specifically in locations that frogs currently inhabit. Reinforcing the theory-based sessions, practical sessions involve the students in a hands-on manner, allowing them to closely observe the state of frogs and also practice science with the help of specialists in the field.</p> <p>Additionally, these trips promote a change in attitude on the part of participants, who show increased interest in conservation of the frog. Up to this point, students have received two practical sessions.</p>



Photograph 15. Students taking information from a Giant Junín Frog.



Photograph 16. Student searching for a frog in a canal.

Activity 06	Results
Informational meetings and educational escorts during the cleaning of canals in the village of San Juan de Ondores	The District of Ondores possesses multiple locations in which both <i>T. macrostomus</i> and <i>T. brachydactylus</i> have been registered, including a scientific station in the village of Paccha in which both species have been found together. As a result advances were made in order to build a relationship with the community, and begin the development of meetings to teach about conservation of the frog, water conservation, and alternative ecologies of canal cleaning. These meetings generated open spaces in which inhabitants participated with stories based on their personal experiences, and helped generate alternative methods for cleaning canals in the district.



Photograph 17. Meetings with the community of San Juan de Ondores.

Activity 07	Results
Experiences with the Environmental Management Committee of the Lake Junín National Reserve.	Team members participated in meetings organized by the Environmental Management Committee of the Lake Junín National Reserve, in which they presented the project with specific focus on expectations, duration and breadth of the project. Over 300 attendees learned about the project through two distinct presentations.



Photograph 18. Meeting of the Junín National Reserve Management Committee. Photograph 19. 1st Annual Bi-Regional Plenary Committee Meeting for Sustainable Management of Lake Junín (Chinchaycocha).

Activity 08	Results
Diffusion of Experiences	<p>Local: Celebration of "International Amphibian Day" in the principal plaza of Junín, in which team members took advantage of the space to teach about the project. Project team took part in "August Festivities" in the Historic Sanctuary of Chacamarca in Junín, teaching the public about the citizen science program.</p> <p>National: Team members participated in the seminar entitled: "Conservation of High Andean Amphibians: Perspectives on Environmental Education, Science, and Focus on Animal and Forest Conservation Legislation" in the region of Puno, giving a presentation entitled: "Environmental Education: Perspectives and Experiences in Educational Institutions in Junín."</p> <p>Project members participated in the 2019 Urban Naturalist Challenge in the area of "Regional Conservation of Wetlands" in Ventanilla, Lima. During the competition, team members taught attendees about citizen science.</p> <p>International</p> <p>Team members presented about citizen science in the Pacific Alliance's Fifth "Youth Volunteering Conference" in Chihuahua, Mexico.</p>



Photograph 20. Celebration of International Amphibian Day.



Photograph 21. Participation in the seminar "Conservation of High Andean Amphibians: Perspectives on Environmental Education, Science, and Focus on Animal and Forest Conservation Legislation" in Puno.



Photograph 22. Participation in the 2019 Urban Naturalist Challenge in Lima.



Photograph 23. Participation in August Festivities in Junín.