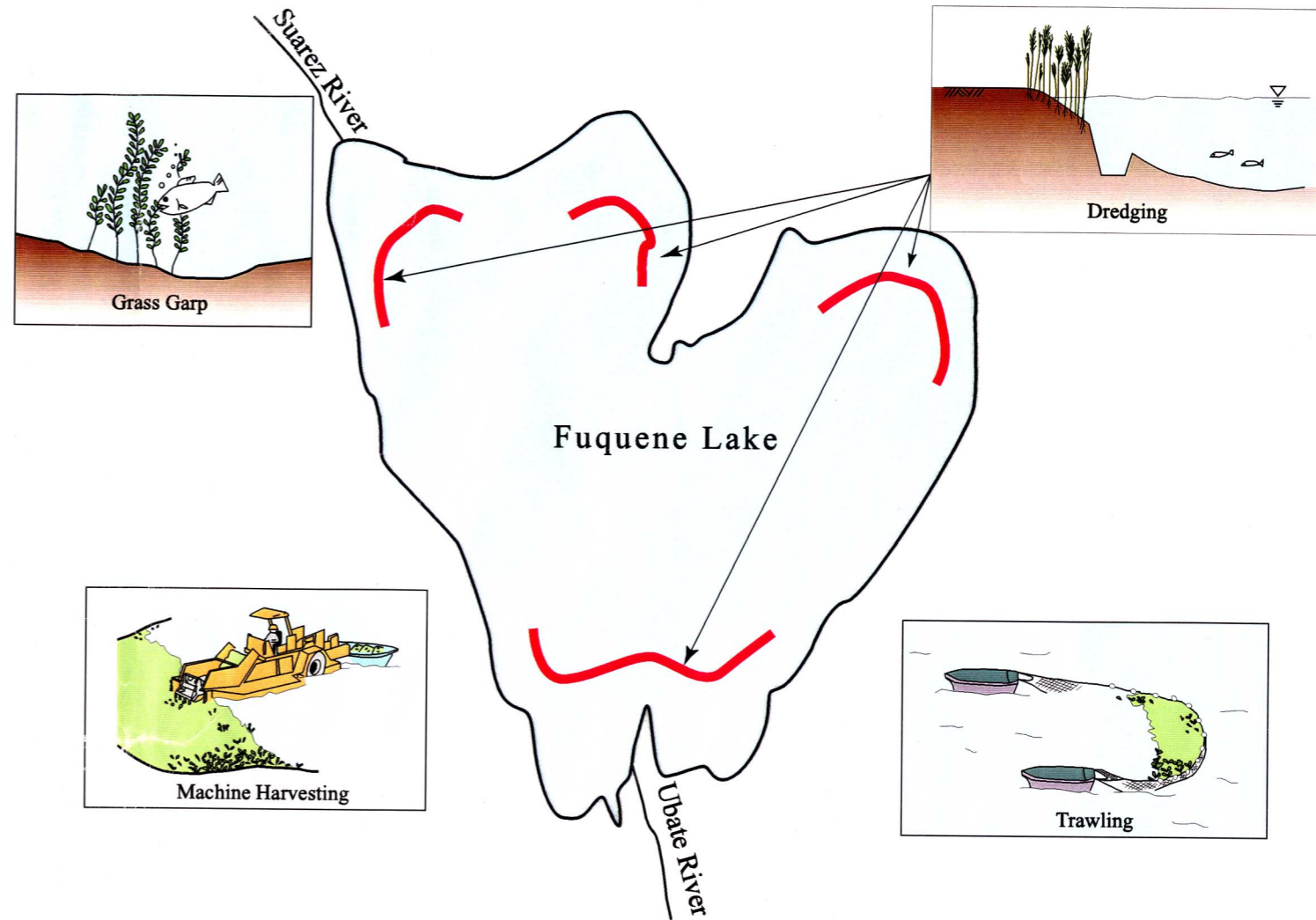


Irrigation Block Name	Present Irrigation Area (ha)	Future Irrigation Area (ha)
① Suta	832	1,277
② Cap-1	634	1,365
③ Cucunuba	1,892	1,892
④ Lenguazaque	1,751	2,309
⑤ Cap-2	316	1,582
⑥ Mariño	700	700
⑦ Mariño-Ubate	387	387
⑧ Fuquene	2,537	2,537
⑨ Honda	509	509
⑩ Susa	563	563
⑪ Suarez	8,309	8,309
⑫ Simijaca	-	417
⑬ Old-Suarez	228	228
⑭ Madron	1,359	1,359
⑮ Merchan	320	640
⑯ Upper Honda	-	349
⑰ Upper Susa	-	426
<b>Total</b>	<b>20,337</b>	<b>24,849</b>



Proposed Major Projects	Outline of Project Components	Investment Cost and Beneficiaries
1. Water Resources and Use Management		
1) Irrigation	<ul style="list-style-type: none"> <li>Improvement of irrigation facilities.</li> <li>Introduction of optimum operation of Hato Dam.</li> </ul>	<ul style="list-style-type: none"> <li>Beneficial area: 6,971 ha</li> <li>15,049.0 million Col\$ (7.84 million US\$)</li> </ul>
2) Drainage	<ul style="list-style-type: none"> <li>Clearance of Suarez River Channel</li> <li>Introduction of optimum operation of Fuquene Lake</li> </ul>	<ul style="list-style-type: none"> <li>Beneficial area: 170 ha around the Lake</li> </ul>
3) Municipal Water Supply	<ul style="list-style-type: none"> <li>Improvement of Water Supply System of Chuquinquirá</li> </ul>	<ul style="list-style-type: none"> <li>Beneficial population: 45,500</li> <li>780.1million Col\$ (0.41 million US\$)</li> </ul>
2. Wastewater Treatment		
1) Sewerage	<ul style="list-style-type: none"> <li>Improvement of 14 sewerage treatment plants in 13 municipalities.</li> </ul>	<ul style="list-style-type: none"> <li>Service population: 95,000</li> <li>7,561.0 million Col\$ (3.94 million US\$)</li> </ul>
2) Industry	<ul style="list-style-type: none"> <li>Improvement of slaughterhouse and factory wastewater treatment plants.</li> </ul>	<ul style="list-style-type: none"> <li>Beneficiaries : 2 Slaughterhouses and 42 Factories</li> <li>231.0 million Col\$ (0.12 million US\$)</li> </ul>
3. Aquatic Plants Control		
1) Dredging of the Lake	<ul style="list-style-type: none"> <li>Dredging of lakebed in front zone of Bulrush to stop expansion of Bulrush toward the lake center.</li> </ul>	<ul style="list-style-type: none"> <li>17,196.1 million Col\$ (8.96 million US\$)</li> </ul>
2) Harvesting/Removal and Composting of Aquatic Plants	<ul style="list-style-type: none"> <li>Harvesting of Brazilian Elodea and removal of Water Hyacinth.</li> <li>Composting of Elodea and Water Hyacinth.</li> <li>Marketing of compost in the metropolitan area of Bogotá.</li> </ul>	<ul style="list-style-type: none"> <li>11,688.2 million Col\$ (6.09 million US\$)</li> </ul>
3) Grass Carp	<ul style="list-style-type: none"> <li>Release of grass carp fingerlings.</li> <li>Installation of fish barrier.</li> </ul>	<ul style="list-style-type: none"> <li>2,054.0 million Col\$ (1.07 million US\$)</li> </ul>
4. Monitoring System		
1) Meteorological and Hydrological Monitoring	<ul style="list-style-type: none"> <li>Installation of a new gauging station.</li> </ul>	<ul style="list-style-type: none"> <li>3.6million Col\$ (1,900 US\$)</li> </ul>
2) Water Quality	<ul style="list-style-type: none"> <li>Improvement of water quality monitoring system.</li> <li>Improvement of laboratory.</li> </ul>	<ul style="list-style-type: none"> <li>1,419.4 million Col\$ (0.74 million US\$)</li> </ul>
3) Aquatic Plant Control of the Lake	<ul style="list-style-type: none"> <li>Survey of aquatic plants area.</li> <li>Survey of fauna and flora species.</li> <li>Survey of Bulrush frontline and bed level in the dredged lake zone.</li> <li>Measurement of growth and consumption rates of grass carp.</li> </ul>	
4) Geographic Information System (GIS)	<ul style="list-style-type: none"> <li>Application of GIS for Fuquene Lake basin management.</li> </ul>	
5. Promotion of Environmental Education	<ul style="list-style-type: none"> <li>Implementation of an education program for 4 objective levels: (1) Schools; (2) Farmers and Users of the Water District; (3) Dairy Factory Owners; (4) General Public</li> </ul>	<ul style="list-style-type: none"> <li>65.7 million Col\$ (0.05 million US\$)</li> </ul>

## OUTLINE OF THE PROPOSED PROJECT