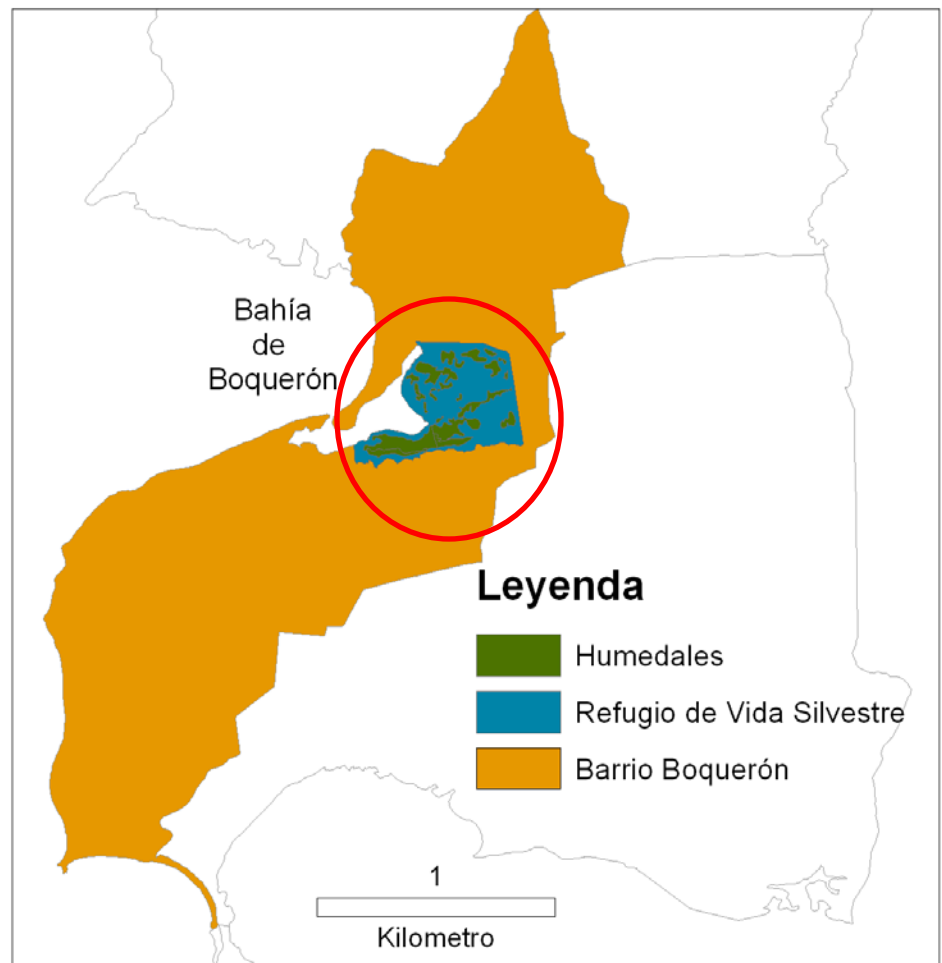
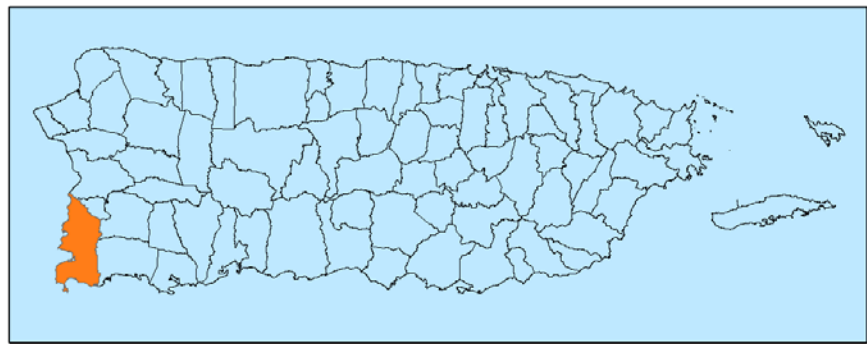


SocMon

Boquerón Wildlife Refuge

Research Group:
CIEL Team
DNER-Bureau of Coastal Refuges and Sanctuaries





13 11:17 AM

Refuge Facilities

- Picnic area
- Dock area for canoes, kayaks and gain fish boat
- Fishing platforms





Communities

Characteristics



- El Poblado de Boquerón
 - Coastal community
 - Tourism/Recreation businesses
 - DNER Boquerón State Forest
 - Floating population
- Las Arenas
 - Urban growth
 - Small family business
 - Farms/Cattle
- El Caño
 - Small residential community (50 approximately dwellings)
 - Closed community
 - High poverty level
 - Crab trapping

History of the Site

Natural Resources Uses

- Wooden houses; shacks
- Dietary supplement
- “Brusquita” (charcoal)
- Biological control for pest (Cobana negra)
- Crab trapping and selling

Agriculture

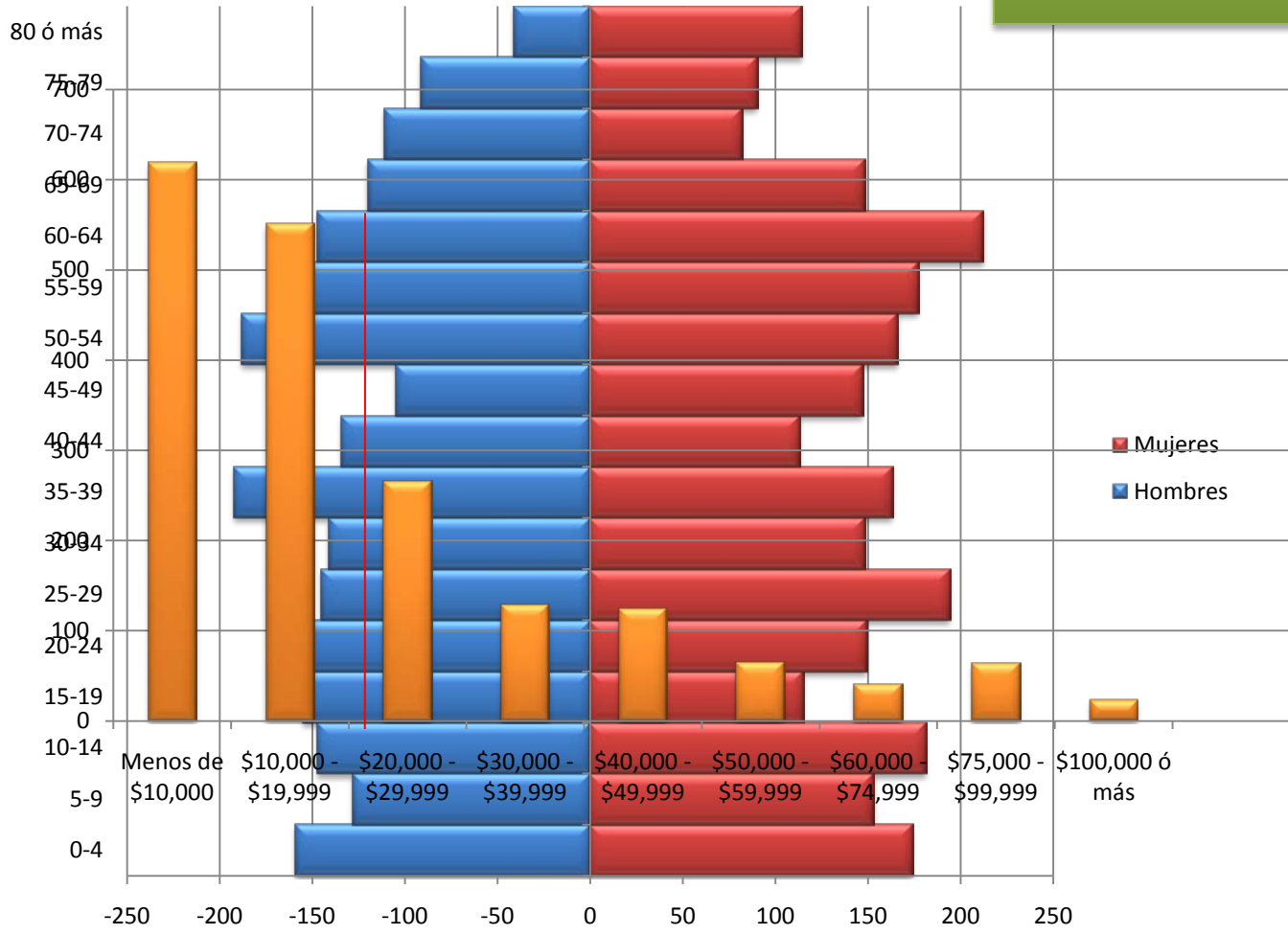
- Sugar Cane
- Cattle Farms and grazing
- Small scale farms:
 - Watermelons
 - Peppers
 - Hay

Socioeconomic

- Agriculture
- “El Pueblito”
- Blue crab trapping
- Hunters (Scout)
- “Bóvedas”
 - Leprosy cemetery

Demographics

- 4,828 Total Population
- 52% Female
- 24% Youth



Source: Census Bureau 2000










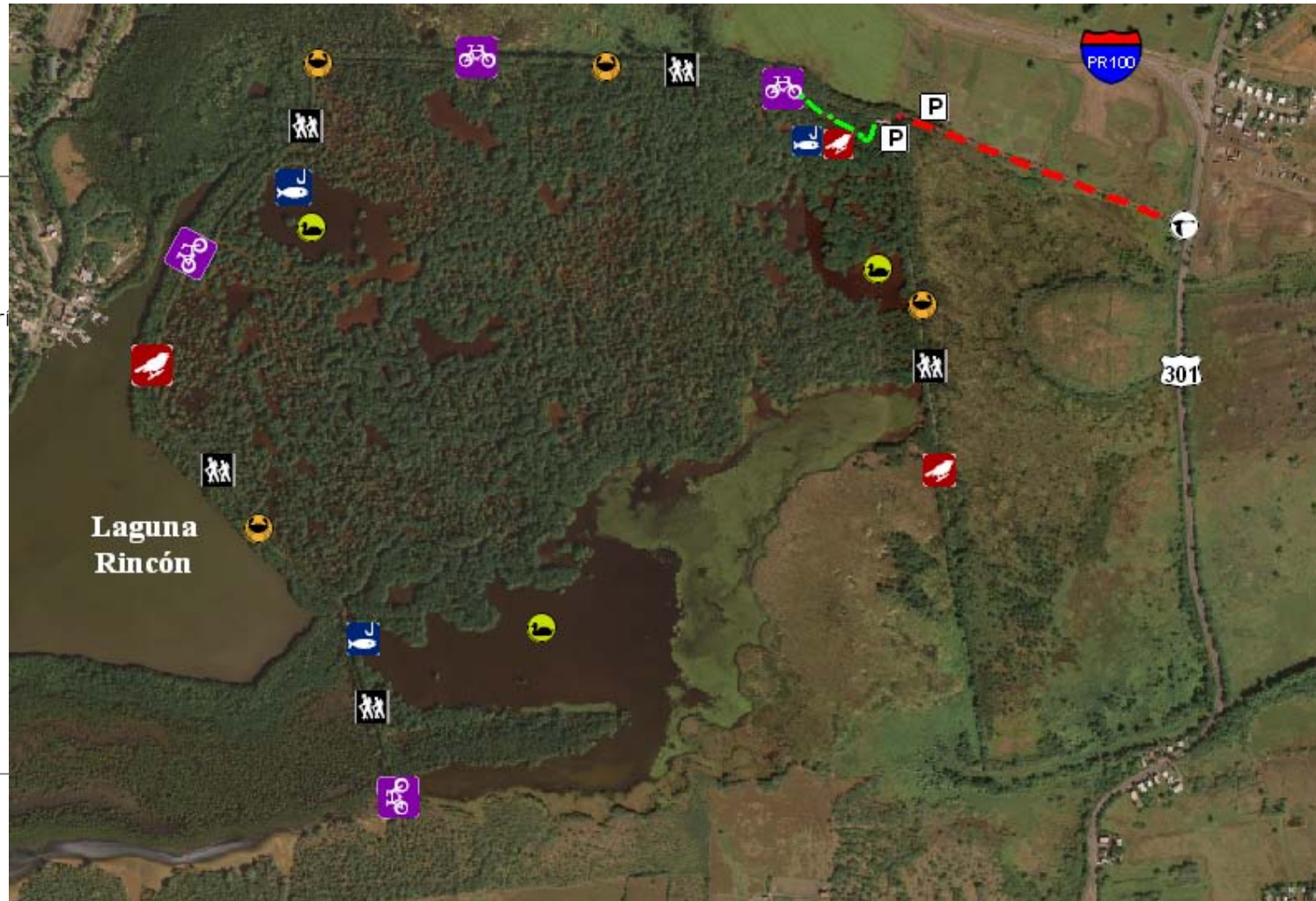
- Human footprint
- Urban Sprawl

Resource use: Observations

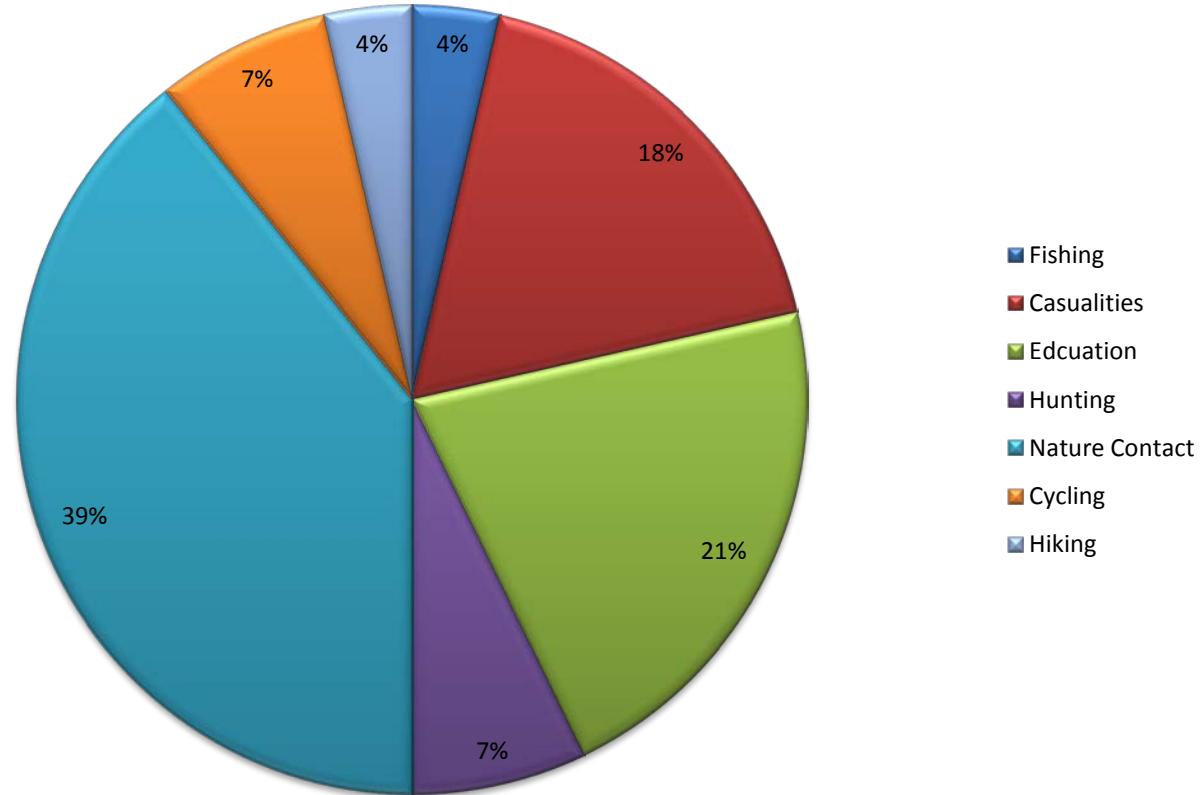
Legenda

Actividades Recreativas

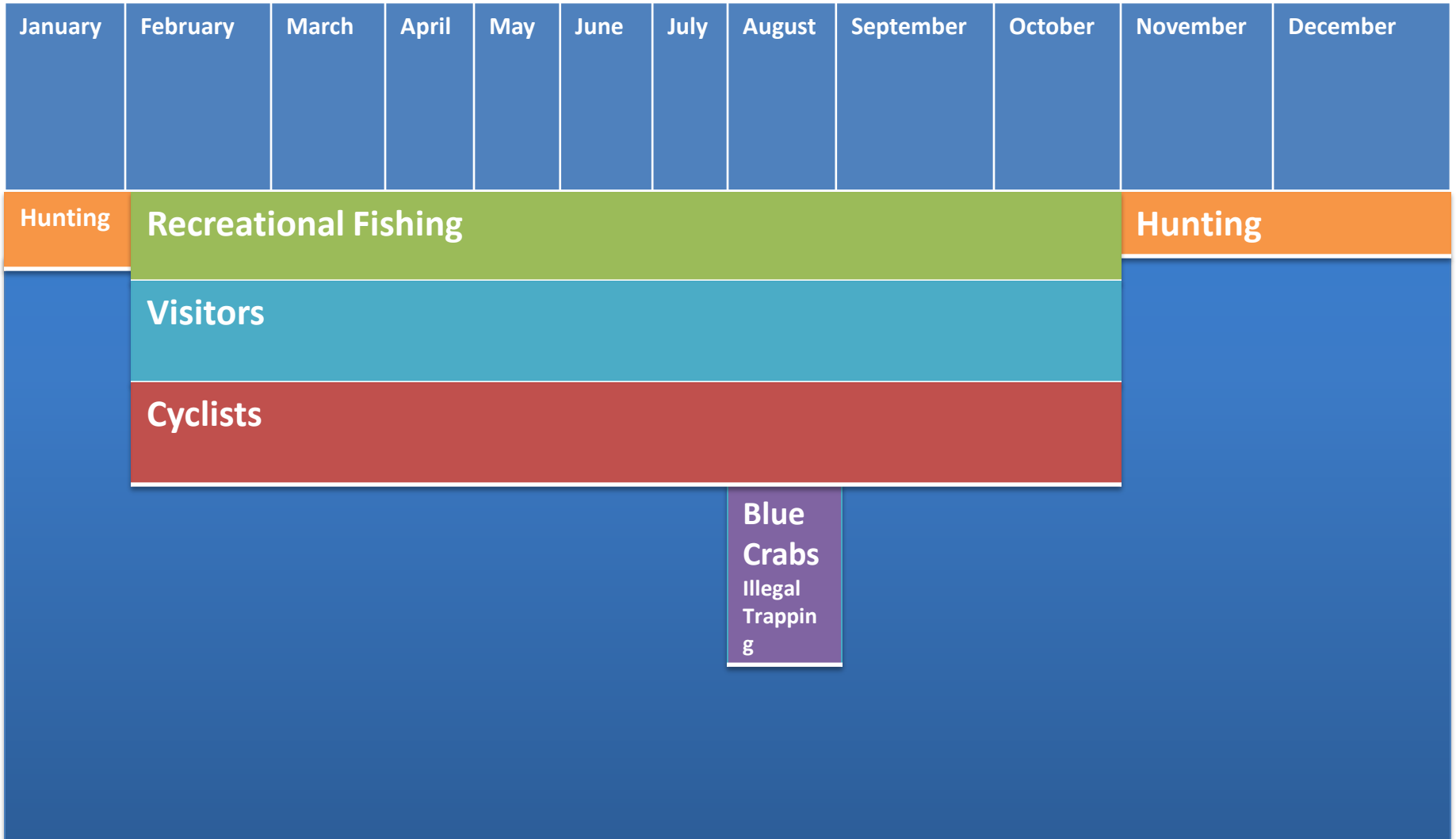
-  Pesca
-  Aves Acuáticas/área de cacería
-  Observación de cangrejos
-  Ciclismo
-  Caminatas
-  Observación de aves
-  Refugio de Vida Silvestre
-  Entrada principal
-  Paseo tablado
-  Estacionamiento
-  Carretera 301
-  Carretera 100



Resource Use: Interview



Calendar of Resources Use



Key Results

Hunting

- Solid waste (ammunition, garbage)
- Deforestation of mangroves

Grazing

- Damage vegetation

Urban sprawl/Tourism

- Increase in urban development and sub-divisions
- Light pollution from “Poblado” and “Public Beach” de Boquerón
- Sound pollution
- Sewer pollution

Agriculture

- Sugar cane (Crabs treated as pest)
- Nutrient rich runoff from Lajas Valley (Eutrophication)

Landfield

- Lixiviation

SocMon and Management

Recommendations

Community Integration

- Tour guides
- Ecotourism business
 - Kayaks, pedal boat and outdoor equipment
- More cultural, educational and recreational activities
 - Outdoor recreation/health
 - Internship programs or summer camps
 - Bird watching inventory workshop program

Improving Protected Area for Aquatic Birds

- Maintain optimal water level
- Provide a better food reservoir

Security

- Prevention
- Rescue trained personal (first aids training and kits)
- Patrolling area
- Signs with emergency number

AREA DE OBSERVACION
DE AVES

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Christy Loper (NOAA)
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Questions?

