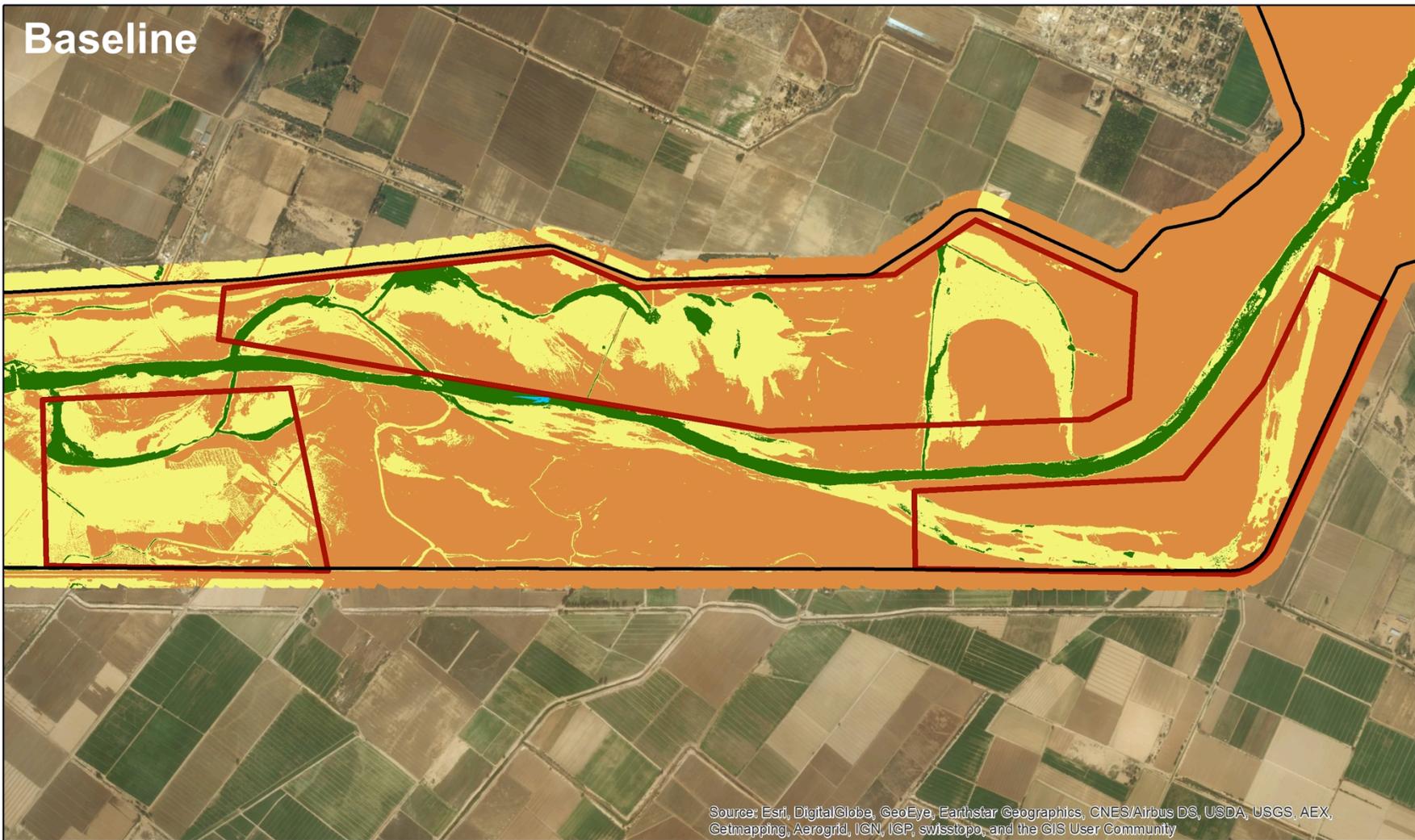


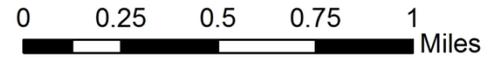
Appendix 5:

Laguna Grande Restoration Area Habitat Potential Figures

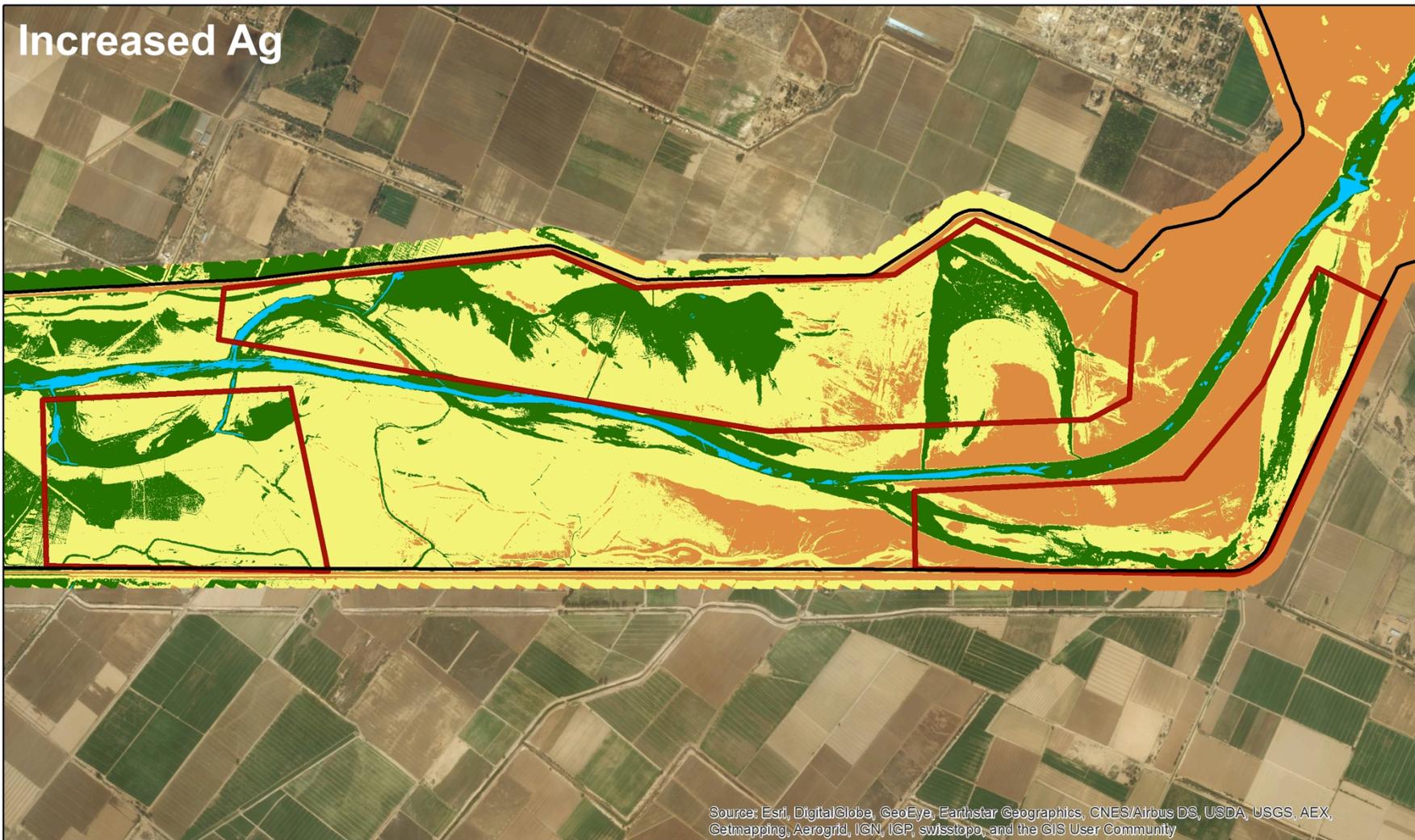


Legend

- | | | |
|---|---|---|
|  Reach 4 | Habitat Classification |  Mesquite bosque |
|  Restoration Sites |  Aquatic |  Non-riparian |
| |  Cottonwood-willow | |

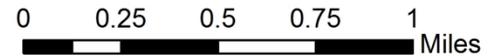


Scenario 1: Baseline

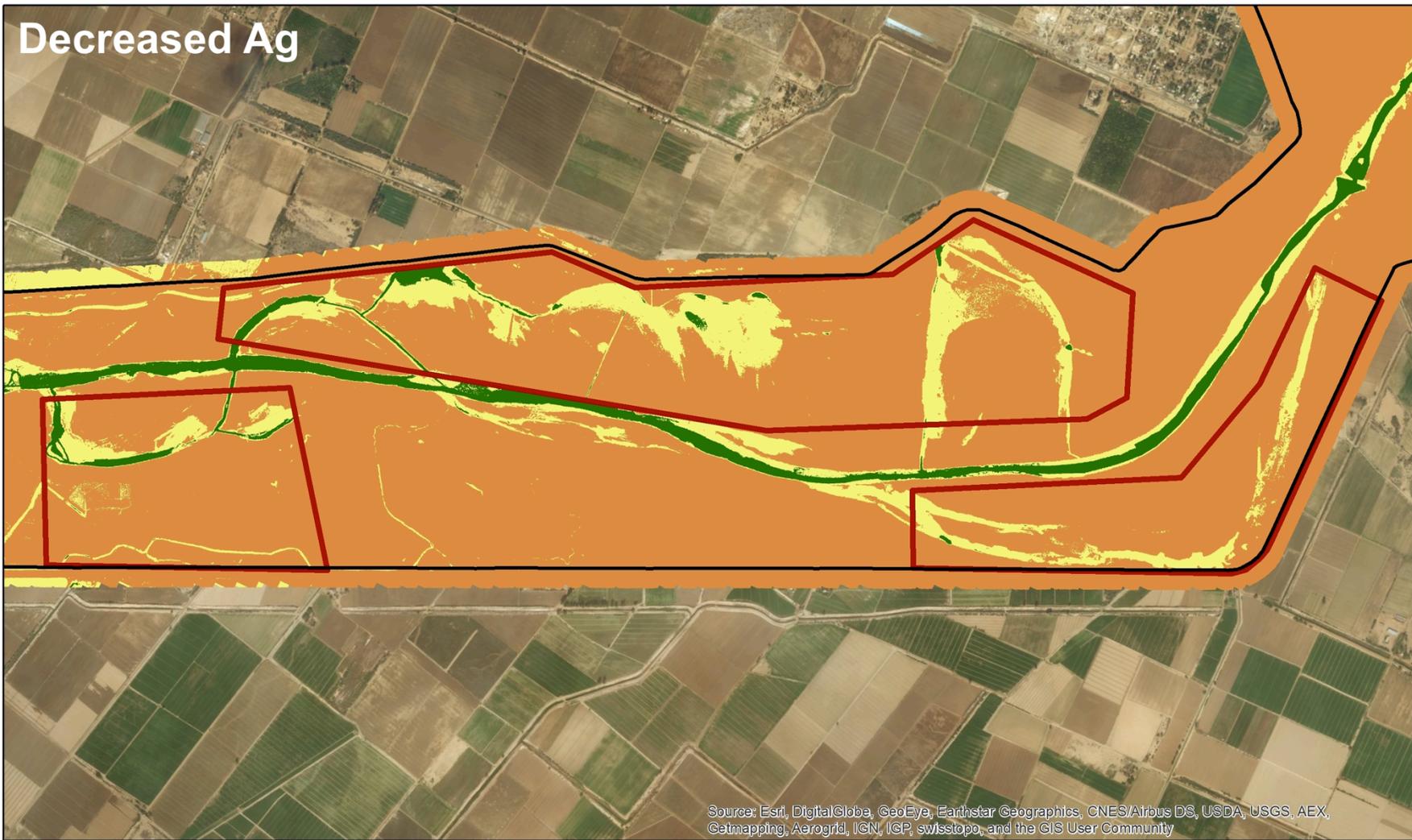


Legend

- | | | |
|---|---|---|
|  Reach 4 |  Aquatic |  Mesquite bosque |
|  Restoration Sites |  Cottonwood-willow |  Non-riparian |

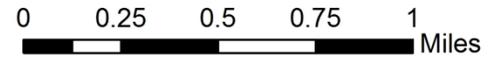


Scenario 2: Increased agricultural return flows

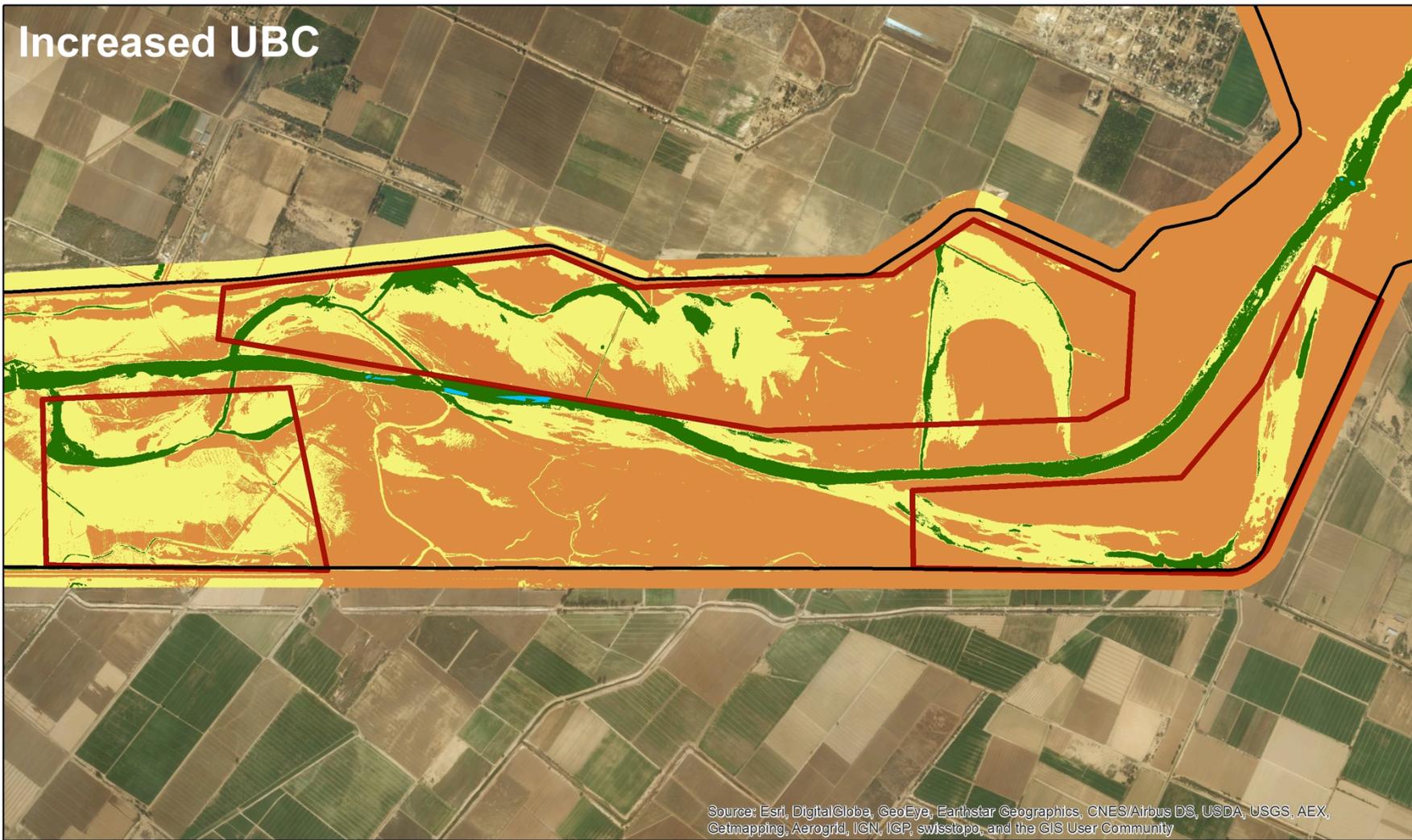


Legend

- | | | |
|-------------------|-------------------|-----------------|
| Reach 4 | Aquatic | Mesquite bosque |
| Restoration Sites | Cottonwood-willow | Non-riparian |

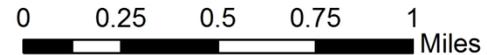


Scenario 3: Decreased agricultural return flows

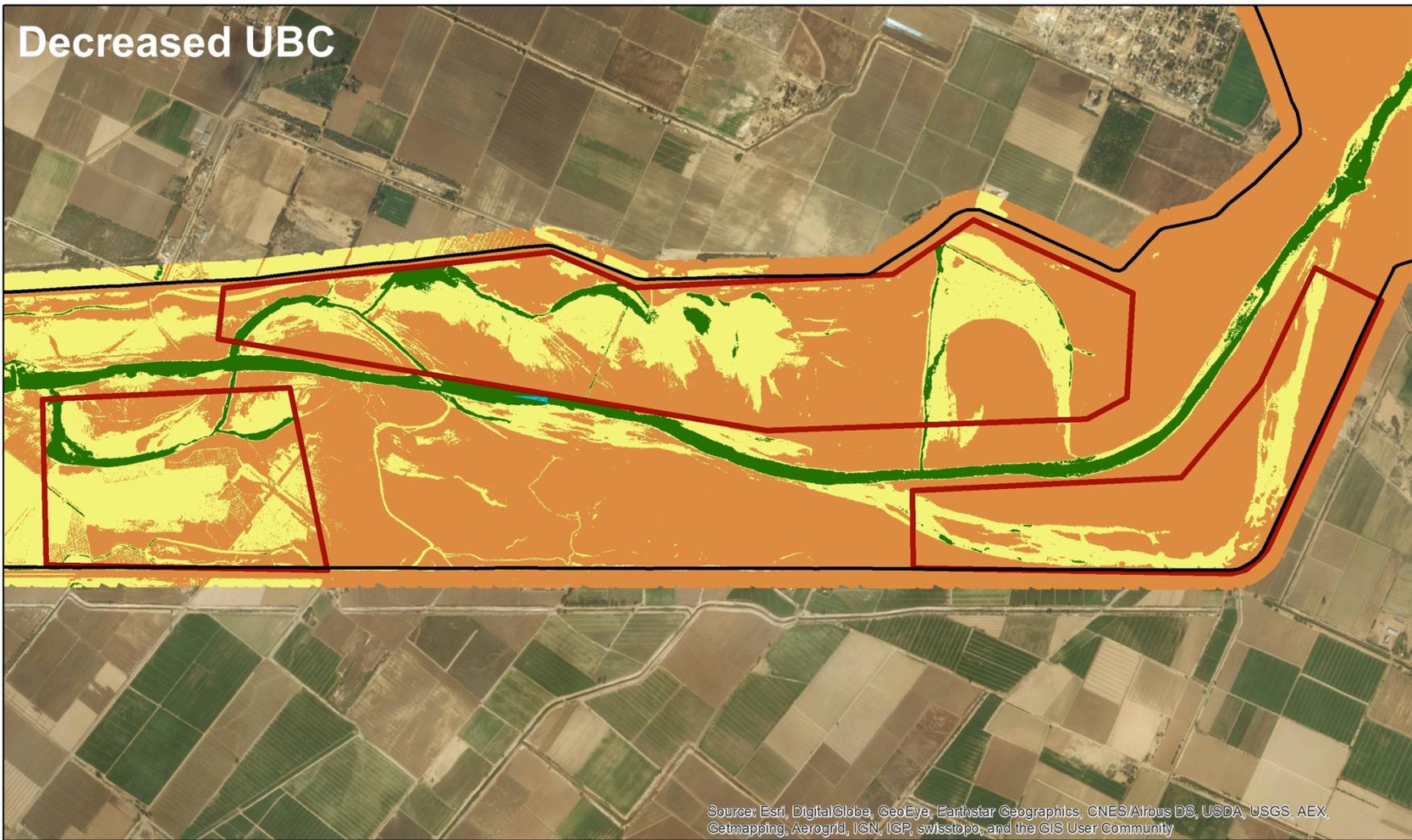


Legend

- | | | |
|-------------------|-------------------|-----------------|
| Reach 4 | Aquatic | Mesquite bosque |
| Restoration Sites | Cottonwood-willow | Non-riparian |



Scenario 4: Increased upstream inflows (upper boundary condition – UBC)



Legend

Reach 4

Restoration Sites

Habitat Classification

Aquatic

Cottonwood-willow

Mesquite bosque

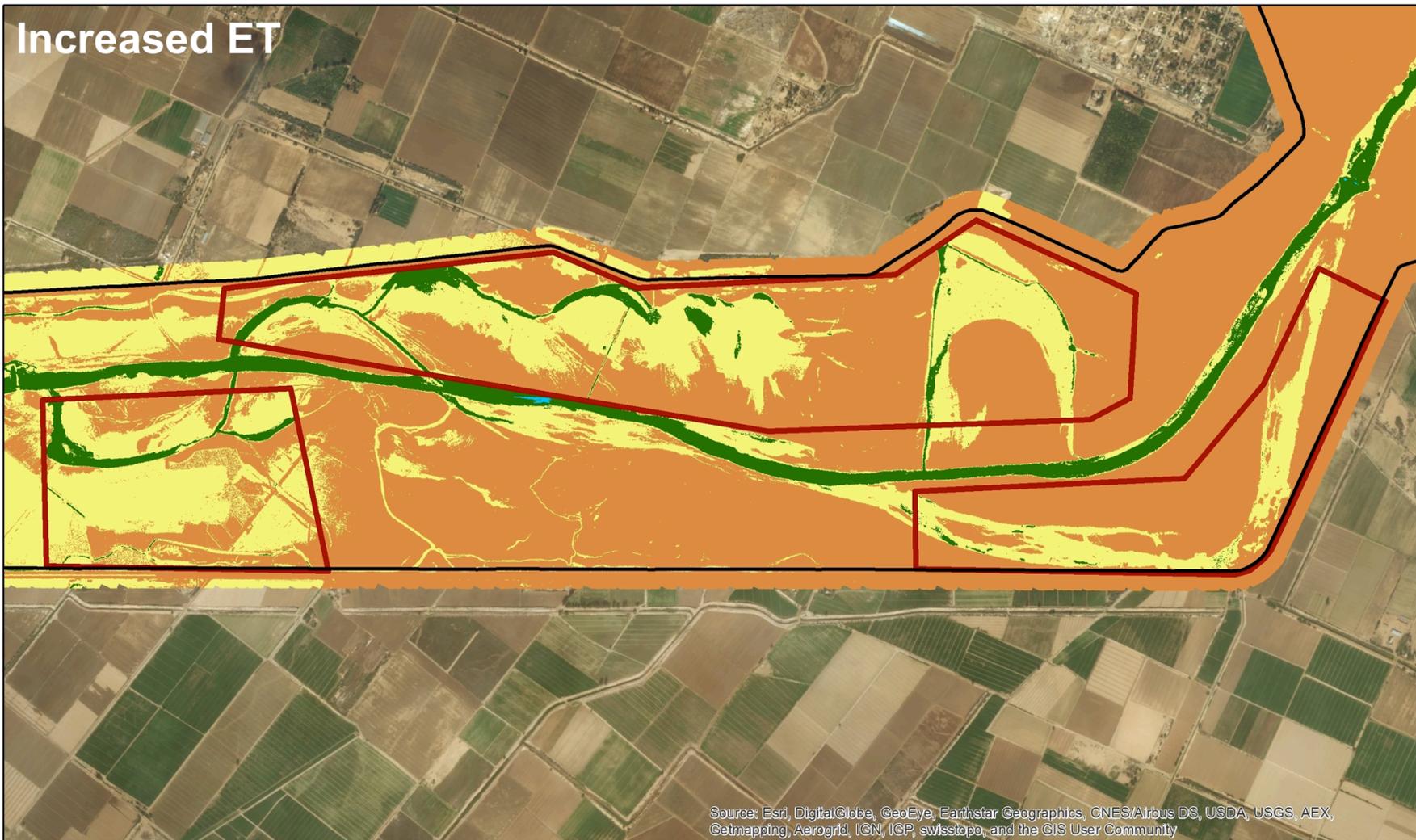
Non-riparian



0 0.25 0.5 0.75 1 Miles

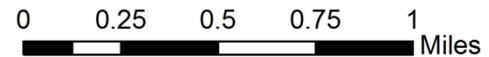


Scenario 5: Decreased upstream inflows (upper boundary condition – UBC)

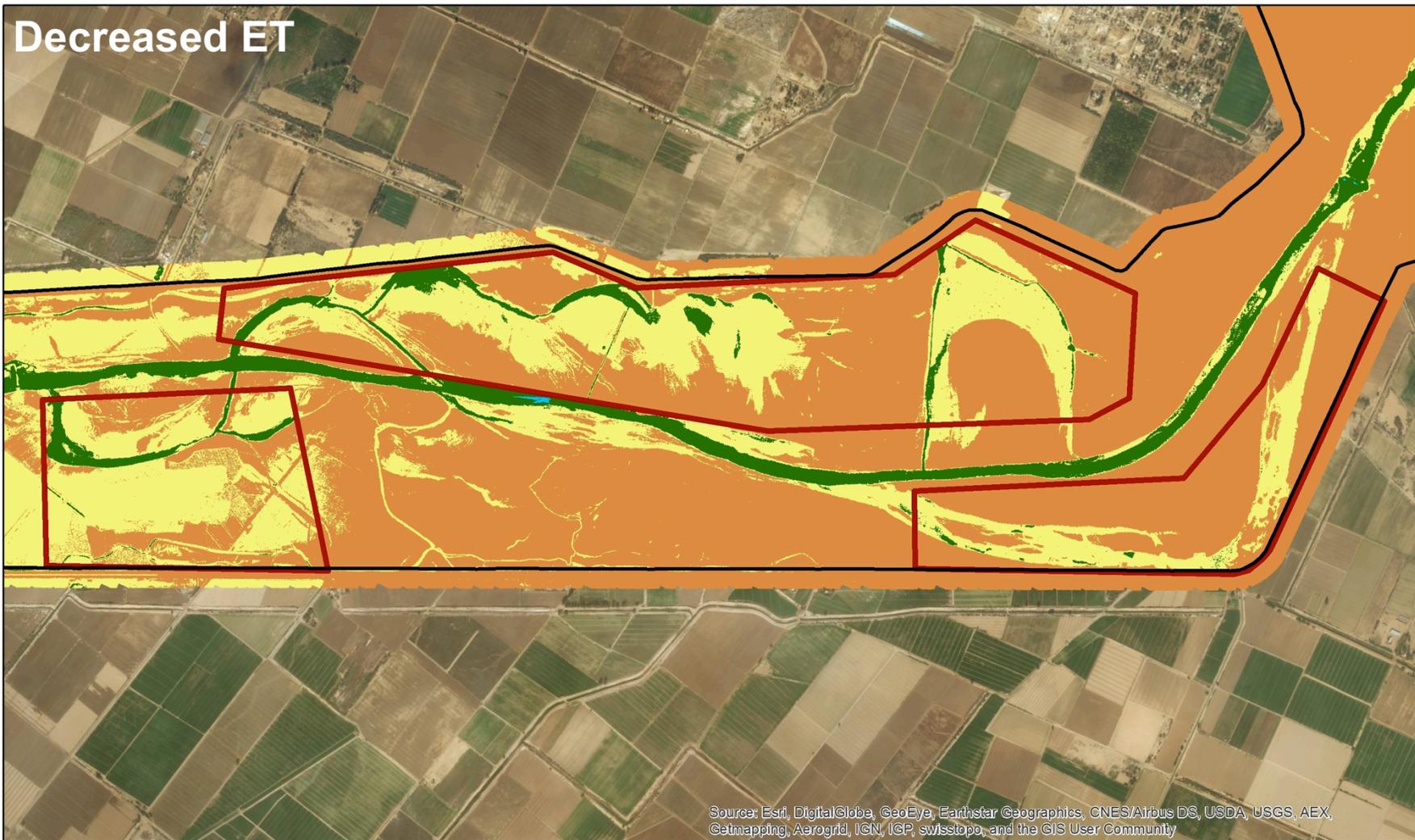


Legend

- | | | |
|---|---|---|
|  Reach 4 |  Aquatic |  Mesquite bosque |
|  Restoration Sites |  Cottonwood-willow |  Non-riparian |

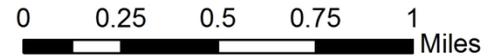


Scenario 6: Increased evapotraspiration



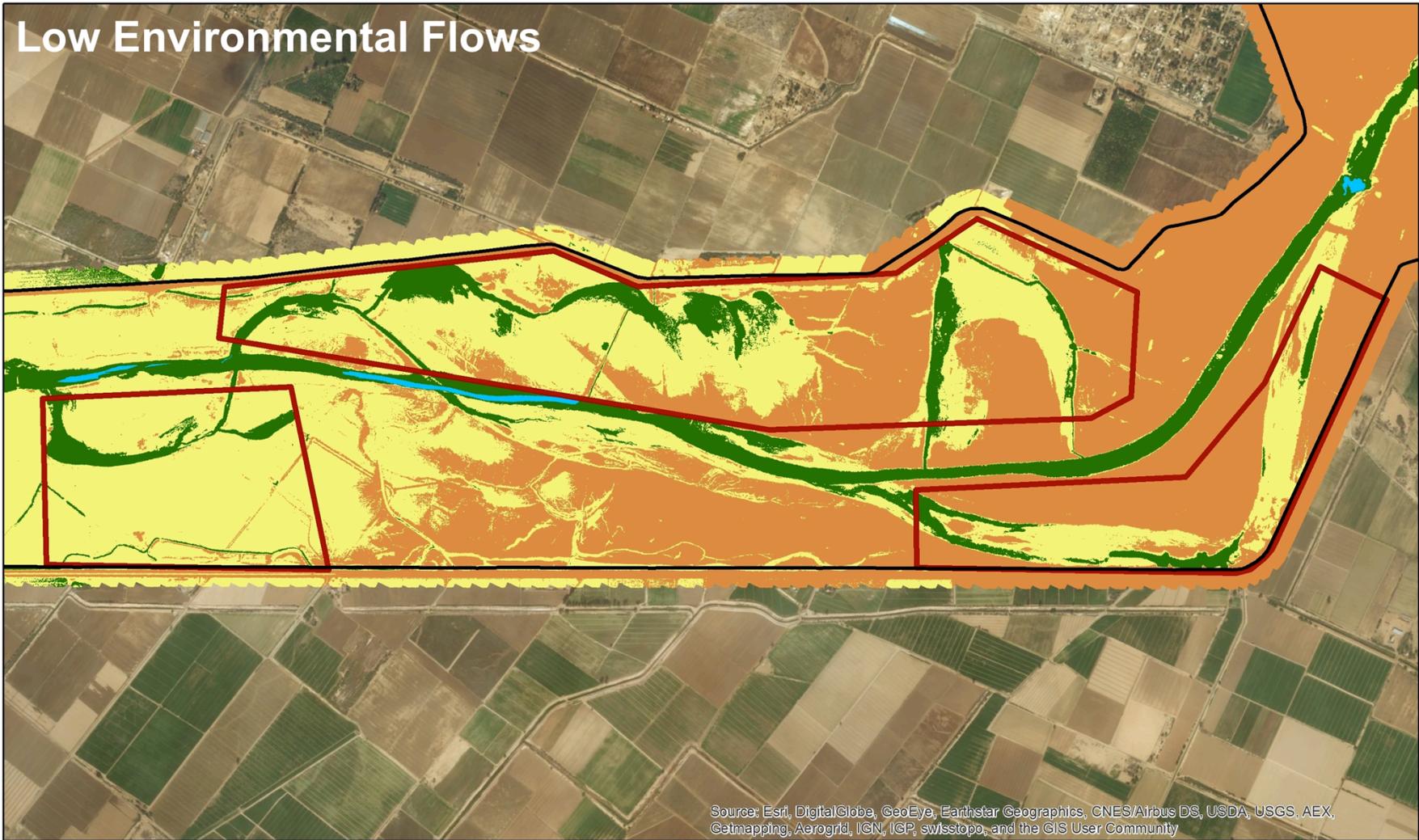
Legend

- | | | |
|---|---|---|
|  Reach 4 |  Aquatic |  Mesquite bosque |
|  Restoration Sites |  Cottonwood-willow |  Non-riparian |



Scenario 7: Decreased evapotraspiration

Low Environmental Flows



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend

 Reach 4

 Restoration Sites

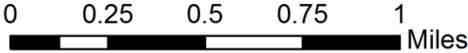
Habitat Classification

 Aquatic

 Cottonwood-willow

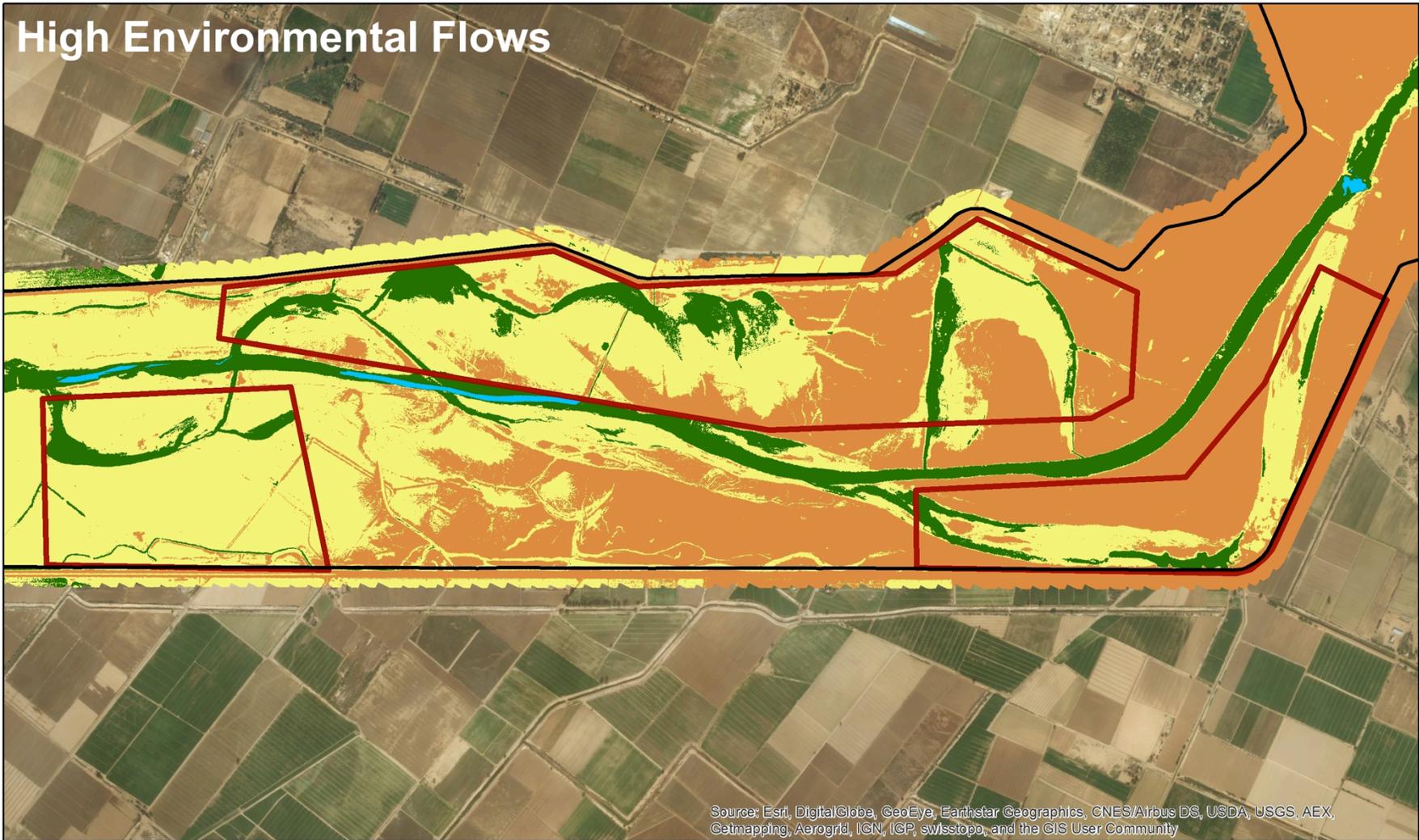
 Mesquite bosque

 Non-riparian



Scenario 8: Low environmental flows

High Environmental Flows



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend

 Reach 4

 Restoration Sites

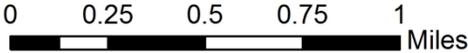
Habitat Classification

 Aquatic

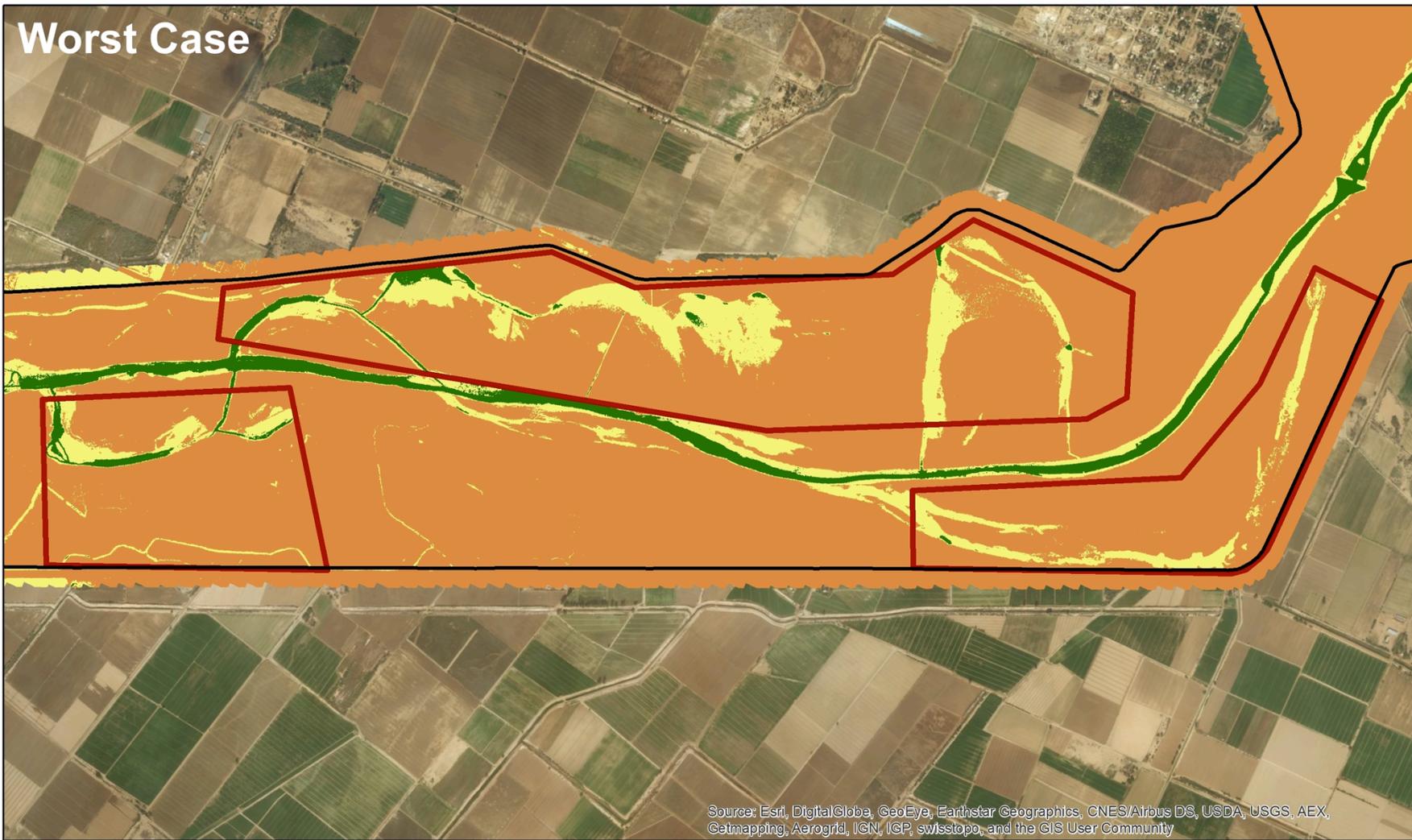
 Cottonwood-willow

 Mesquite bosque

 Non-riparian

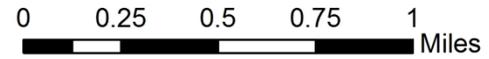


Scenario 9: High environmental flows

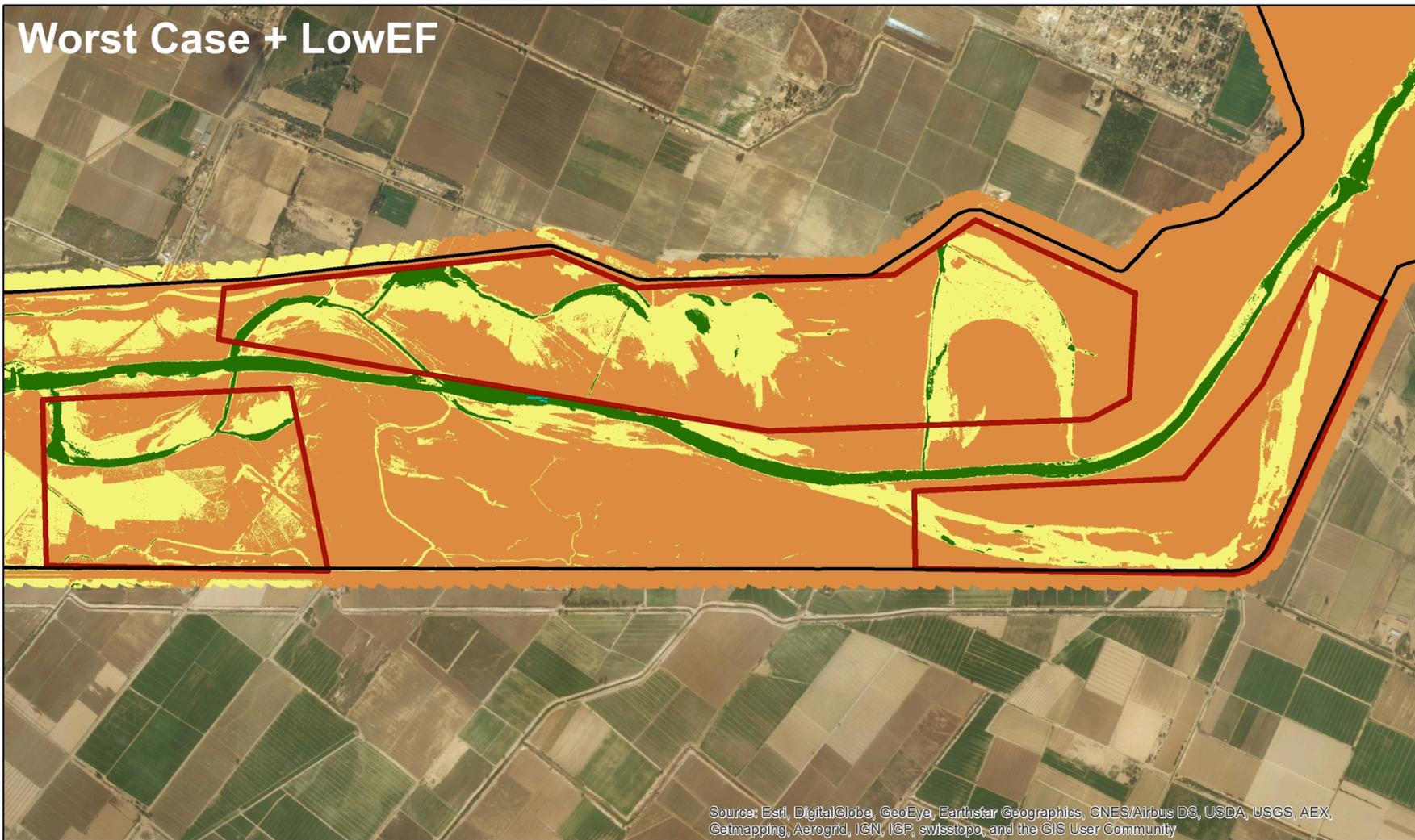


Legend

- | | | |
|-------------------|-------------------|-----------------|
| Reach 4 | Aquatic | Mesquite bosque |
| Restoration Sites | Cottonwood-willow | Non-riparian |

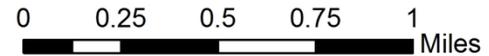


Scenario 10: Worst case

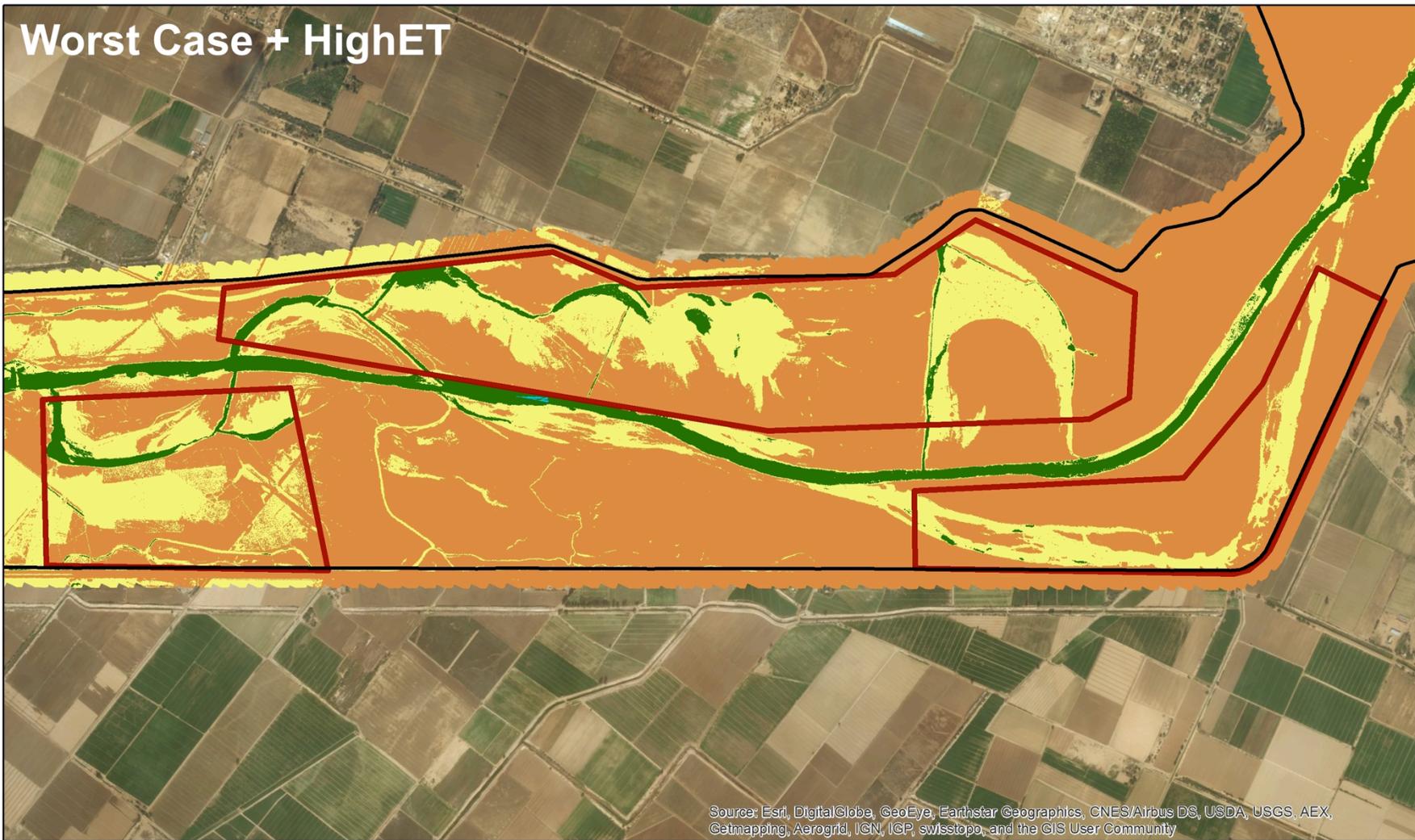


Legend

- | | | |
|---|---|---|
|  Reach 4 |  Aquatic |  Mesquite bosque |
|  Restoration Sites |  Cottonwood-willow |  Non-riparian |

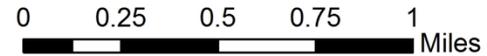


Scenario 11: Worst case + low environmental flows



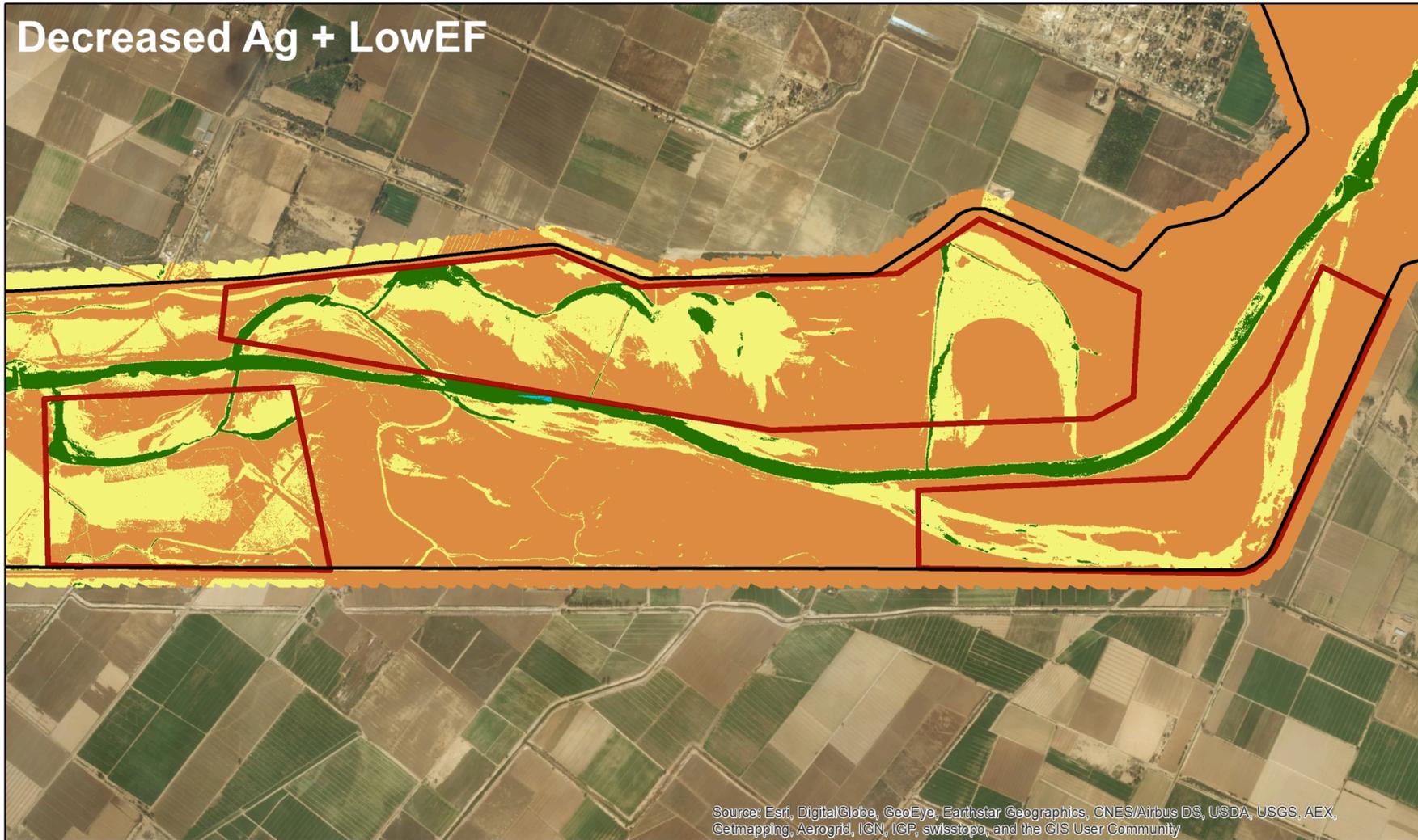
Legend

- | | | |
|---|---|---|
|  Reach 4 |  Aquatic |  Mesquite bosque |
|  Restoration Sites |  Cottonwood-willow |  Non-riparian |



Scenario 12: Worst case + high environmental flows

Decreased Ag + LowEF



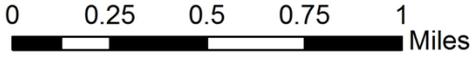
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend

- Reach 4
- Restoration Sites

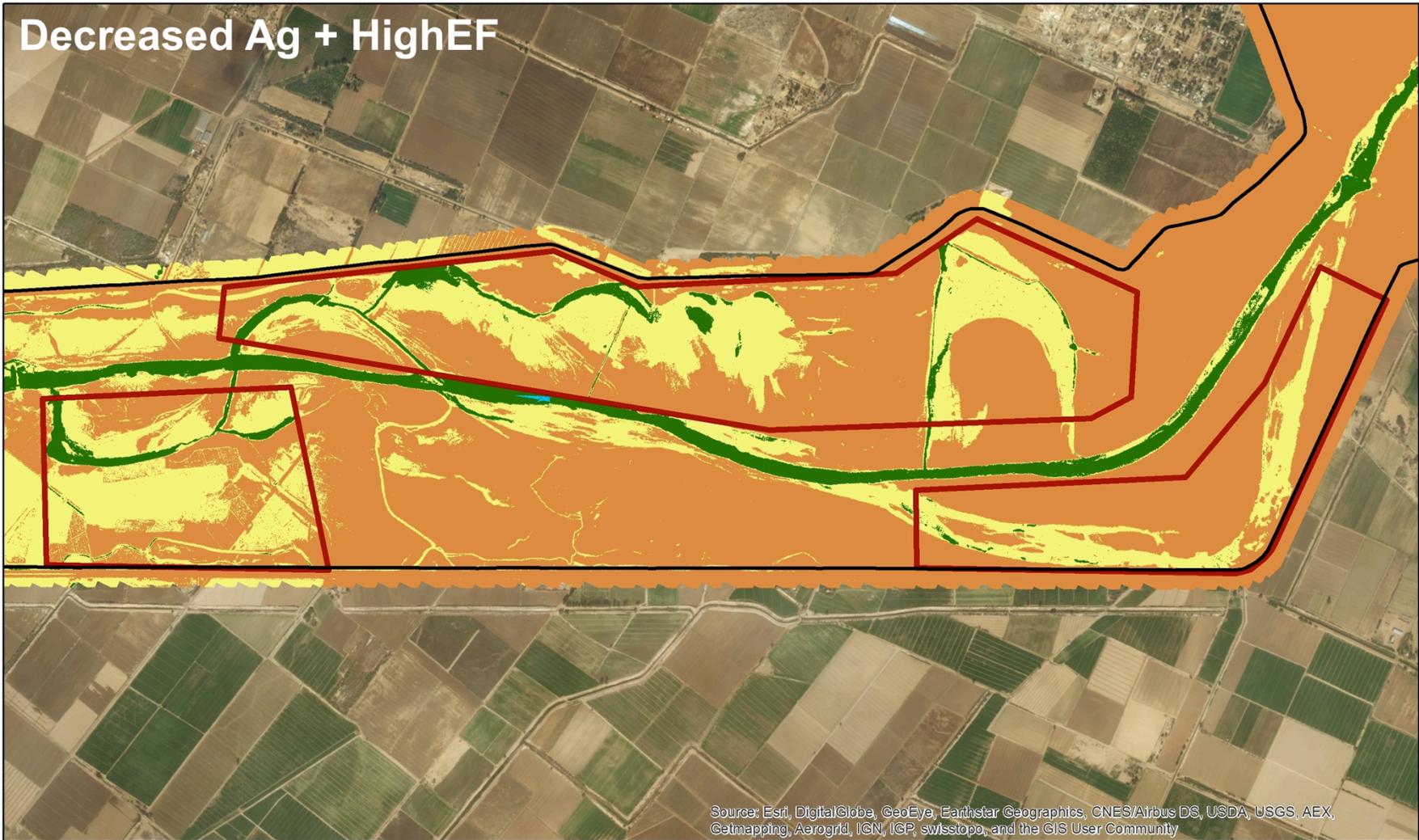
Habitat Classification

- Aquatic
- Cottonwood-willow
- Mesquite bosque
- Non-riparian



Scenario 13: Decreased agricultural return flows + low environmental flows

Decreased Ag + HighEF



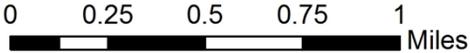
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

Legend

- Reach 4
- Restoration Sites

Habitat Classification

- Aquatic
- Cottonwood-willow
- Mesquite bosque
- Non-riparian



Scenario 14: Decreased agricultural return flows + high environmental flows