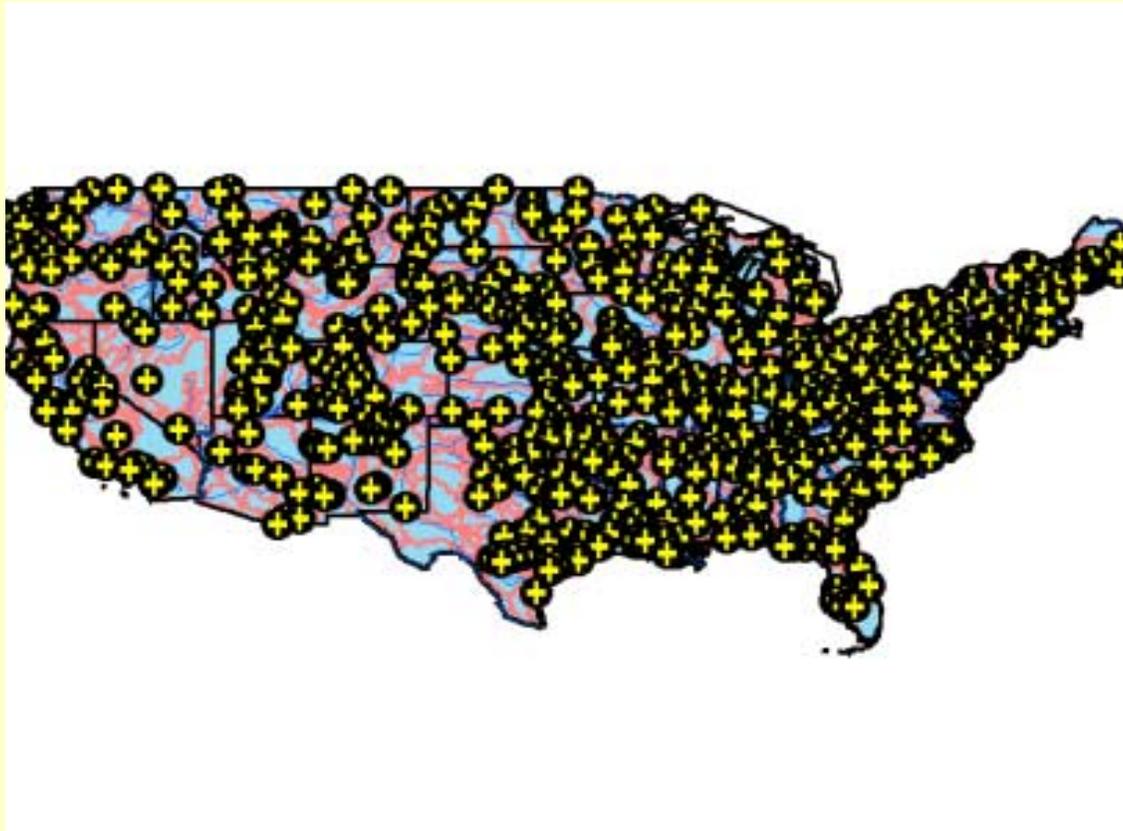


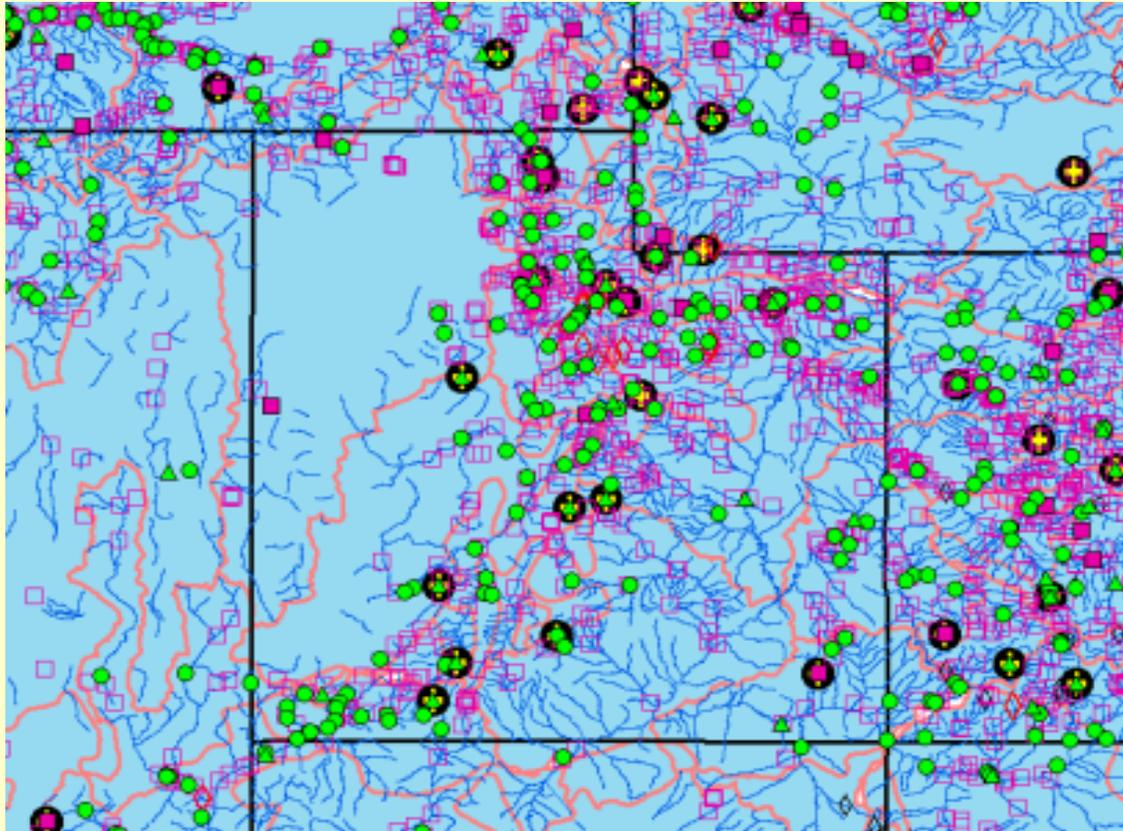
Goal 4 – Sentinel Stations



Goal 4 -- Task

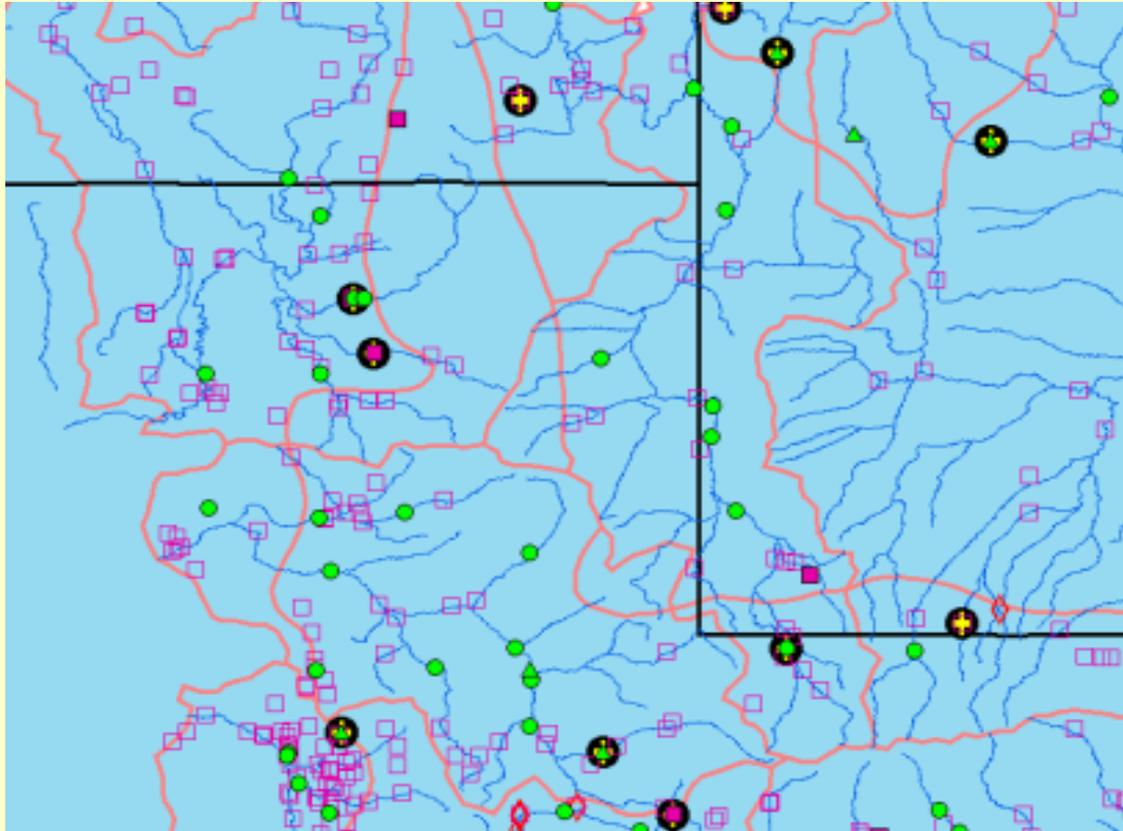
- Determine the best “Sentinel Station” for an eco-huc. The station best for determining long term trends in flow for that particular area. Station should have 80-90% of its drainage area within the eco-huc it represents.

Goal 4 – Sentinel Stations State Example Map



Goal 4 – Sentinel Stations

Polygon examples



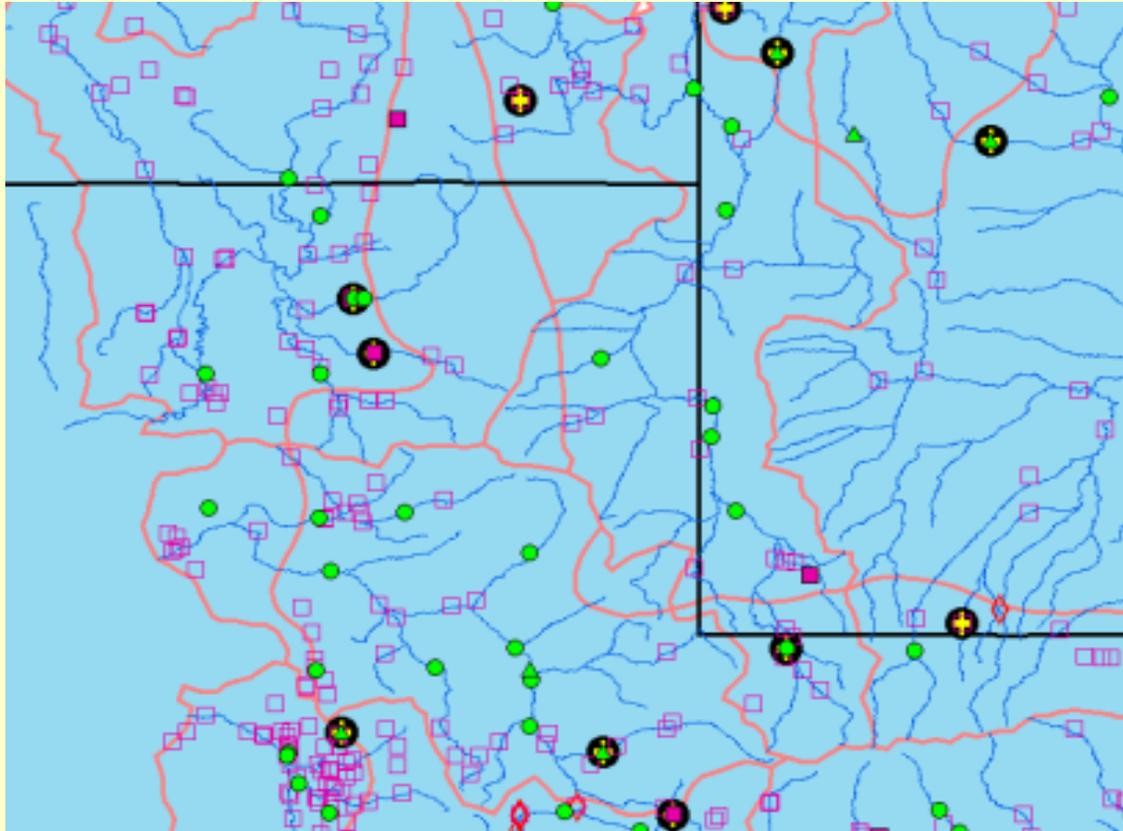
Goal 4 – Sentinel Stations

- Criteria – Best represents flow conditions from the “eco-huc”.
- Longest period of record at active or HCDN station was chosen. May not be representative.

Goal 4 – Sentinel Stations

- Eco-huc – Intersection of Hydrologic Accounting Units and EPA Ecological Regions (76 in lower 48 states).

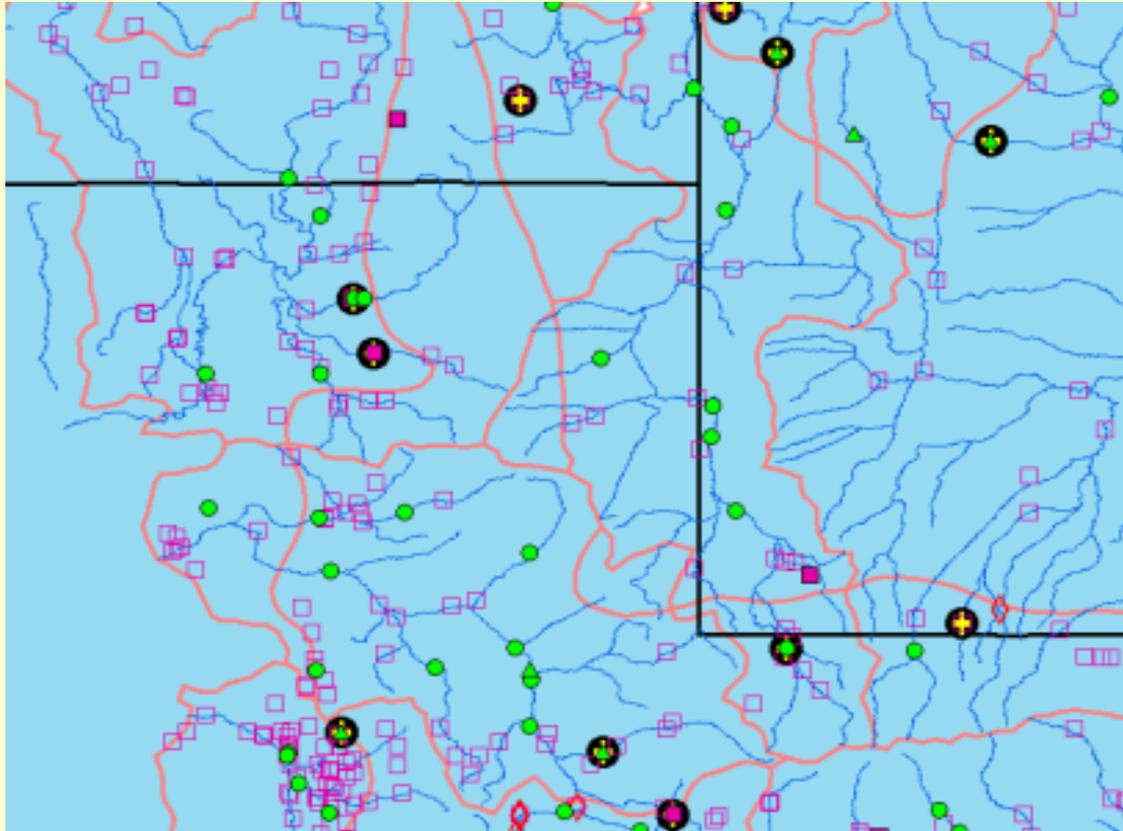
Goal 4 – Sentinel Stations



Goal 4 – Sentinel Stations

- Station should have at least 80-90% of the drainage area in the “eco-huc” it represents.
- Station should have the longest period of record possible. (Active stations preferred.)
- Every “eco-huc” over 100 square miles should have a Sentinel Station.

Goal 4 – Sentinel Stations



Goal 4 – ArcMap Attributes

- SENTINEL_SITE
- SENTINEL_STATUS

Goal 4 – ArcMap Attributes

- SENTINEL_SITE
-
- 0 – Not a Sentinel Site
- 1 – Is a Sentinel Site

Goal 4 – ArcMap Attributes

- SENTINEL_STATUS
 - 0 – Not a Sentinel Site or Not reviewed.
 - 1 – Reviewed Sentinel Site; accepted first cut.
 - 2 – Added Sentinel Site; either replacing first cut site or adding to an eco-huc that had no contender site.