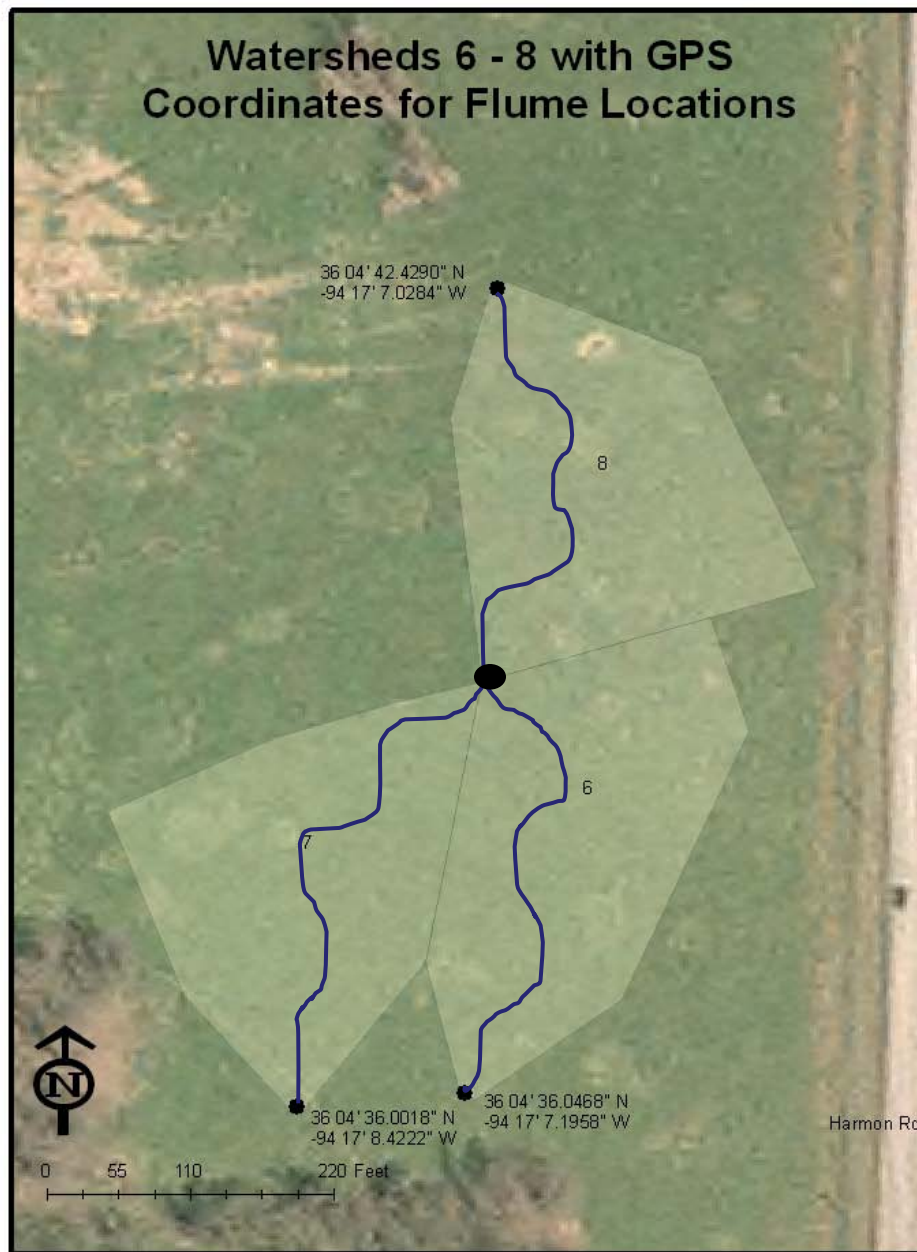


Task 9: BMP Effectiveness Monitoring

Objective: Monitor implementation of manure/compost BMPs through collection of water runoff using automatic water samplers, soil samples within fields, soil samples within buffer zones, down-gradient soil samples, manure samples, and water well samples.

Task 9.2:install automatic water samplers to collect runoff from the control and treatment plots. Water samples will be analyzed for nutrients and bacteria...

Watersheds 6 - 8 with GPS Coordinates for Flume Locations



I

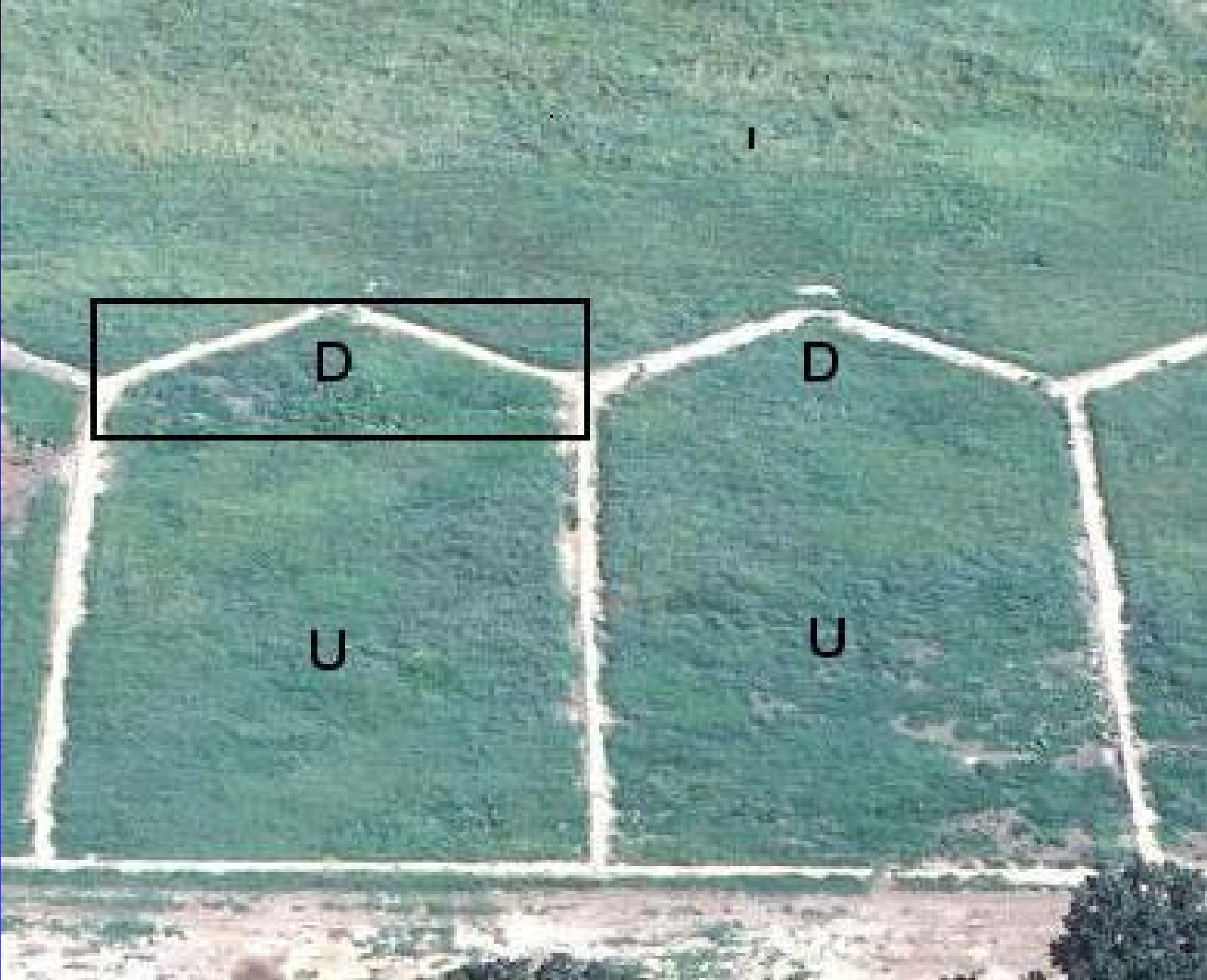


D

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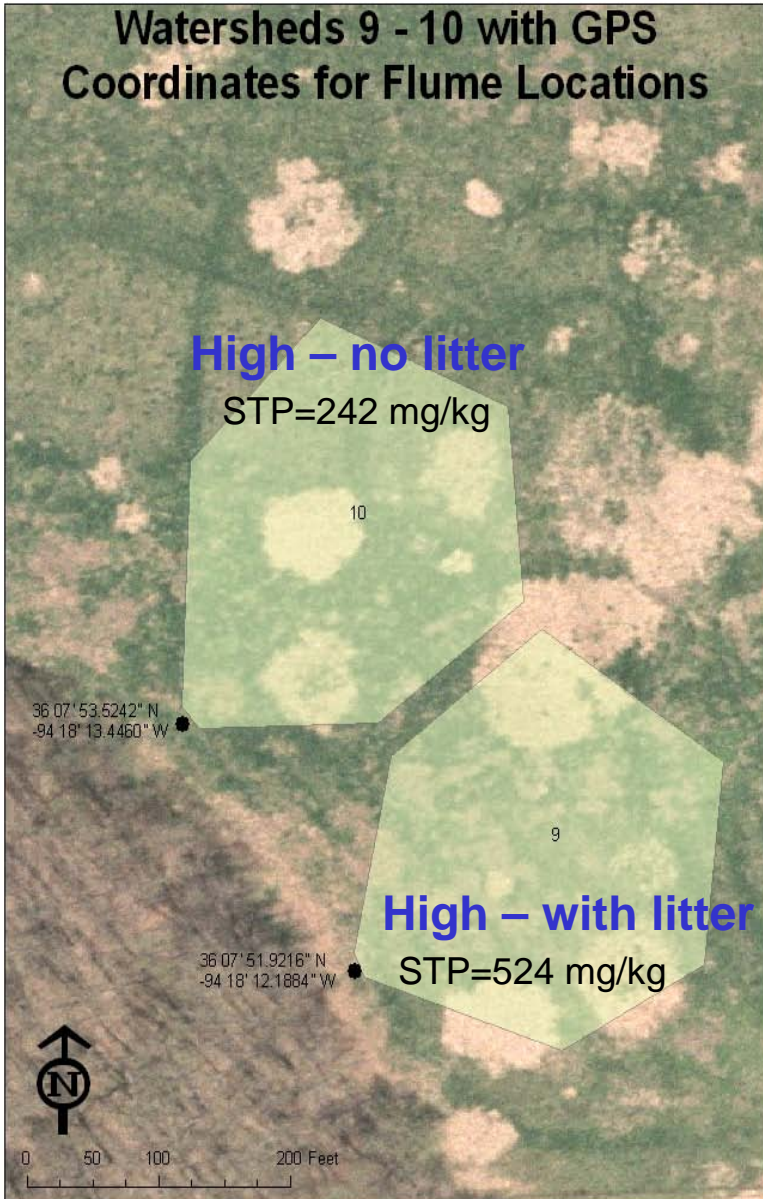
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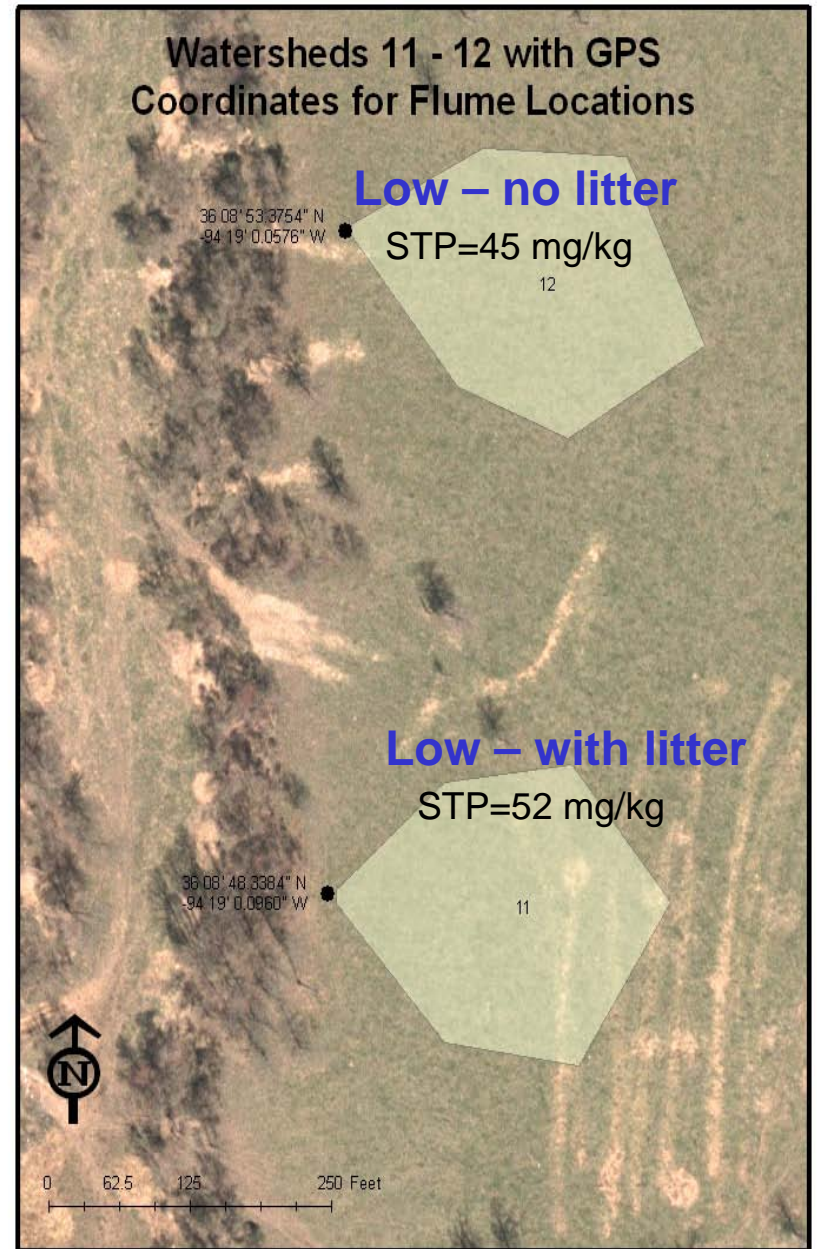


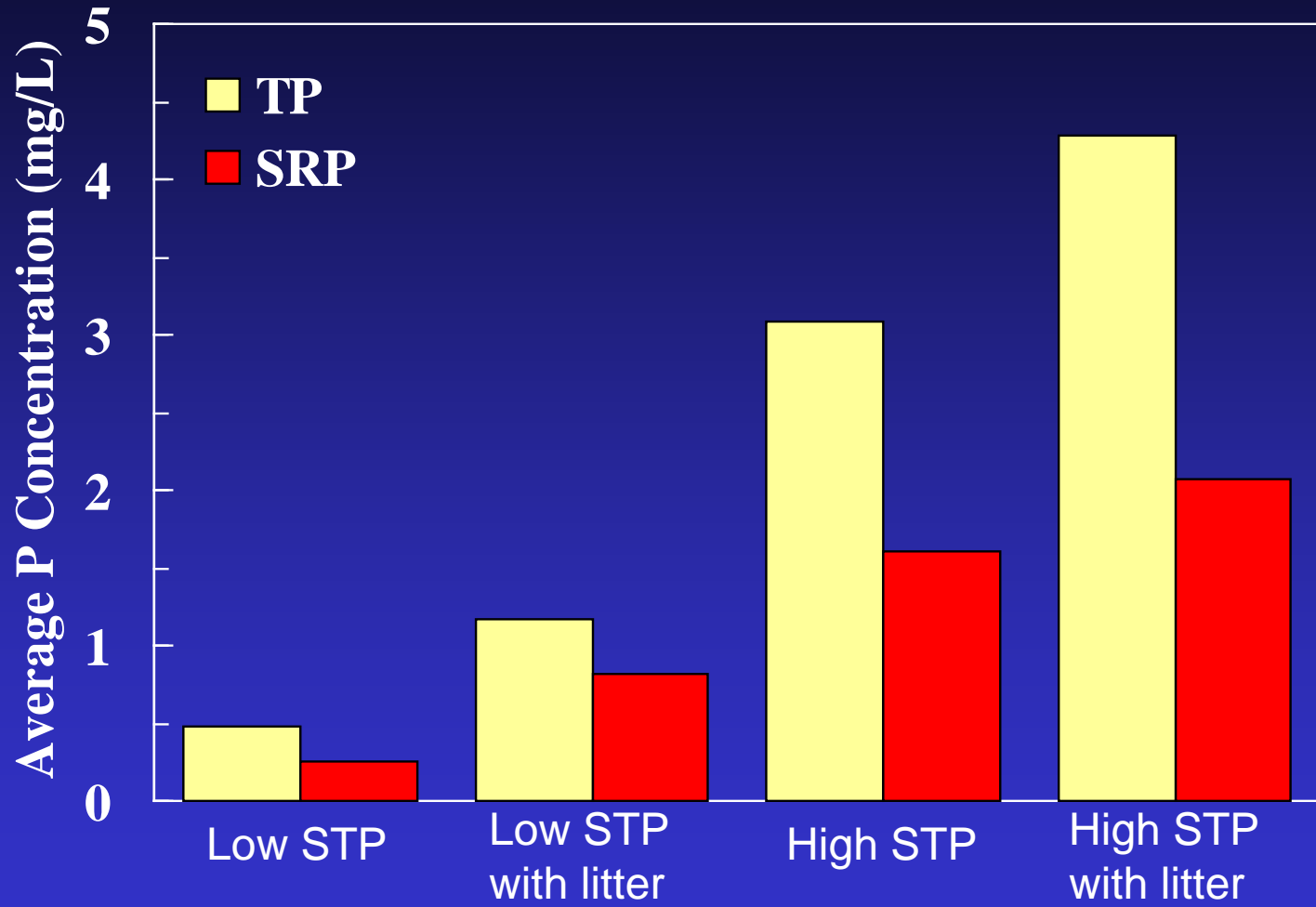
Watersheds 9 - 10 with GPS Coordinates for Flume Locations

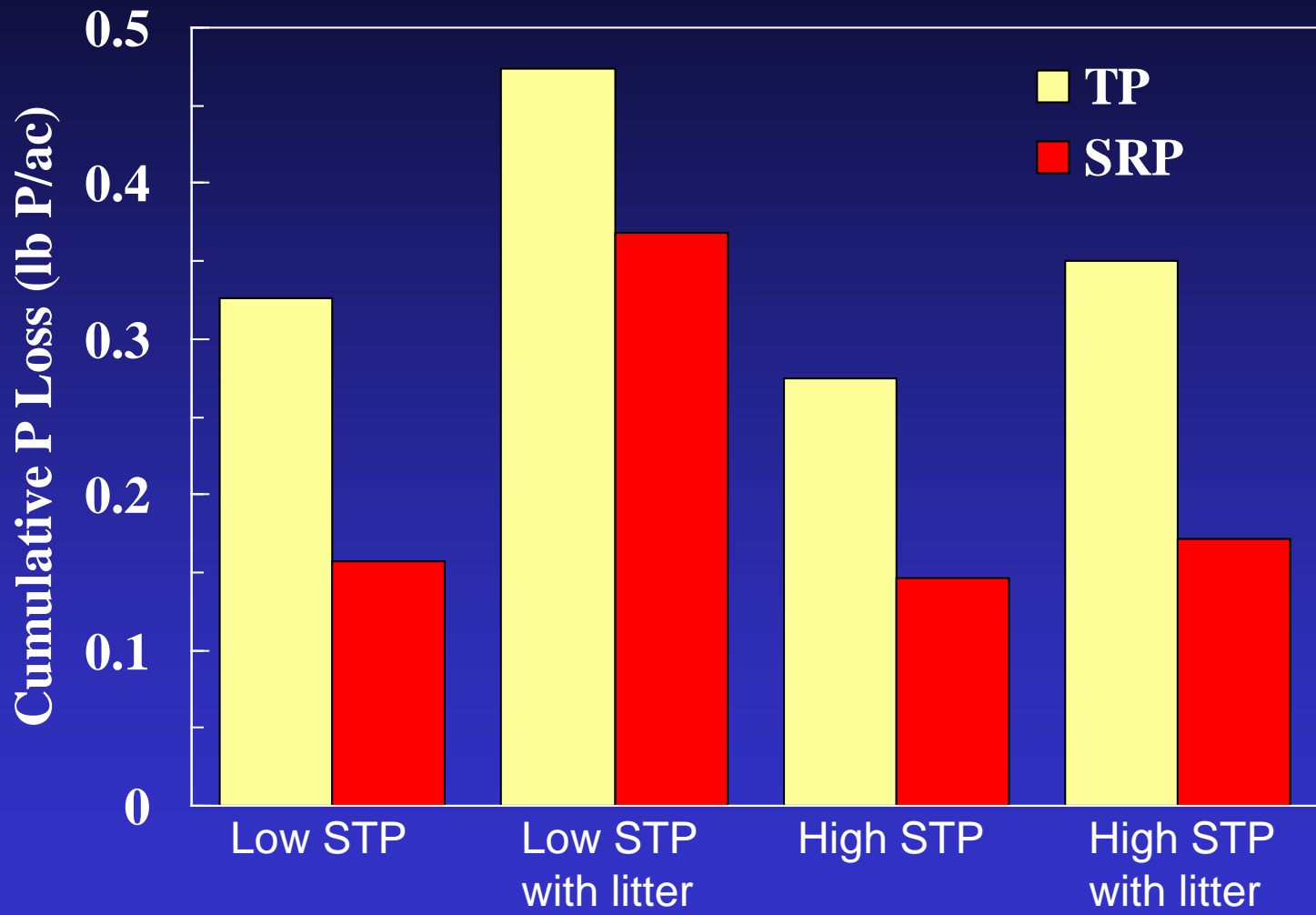


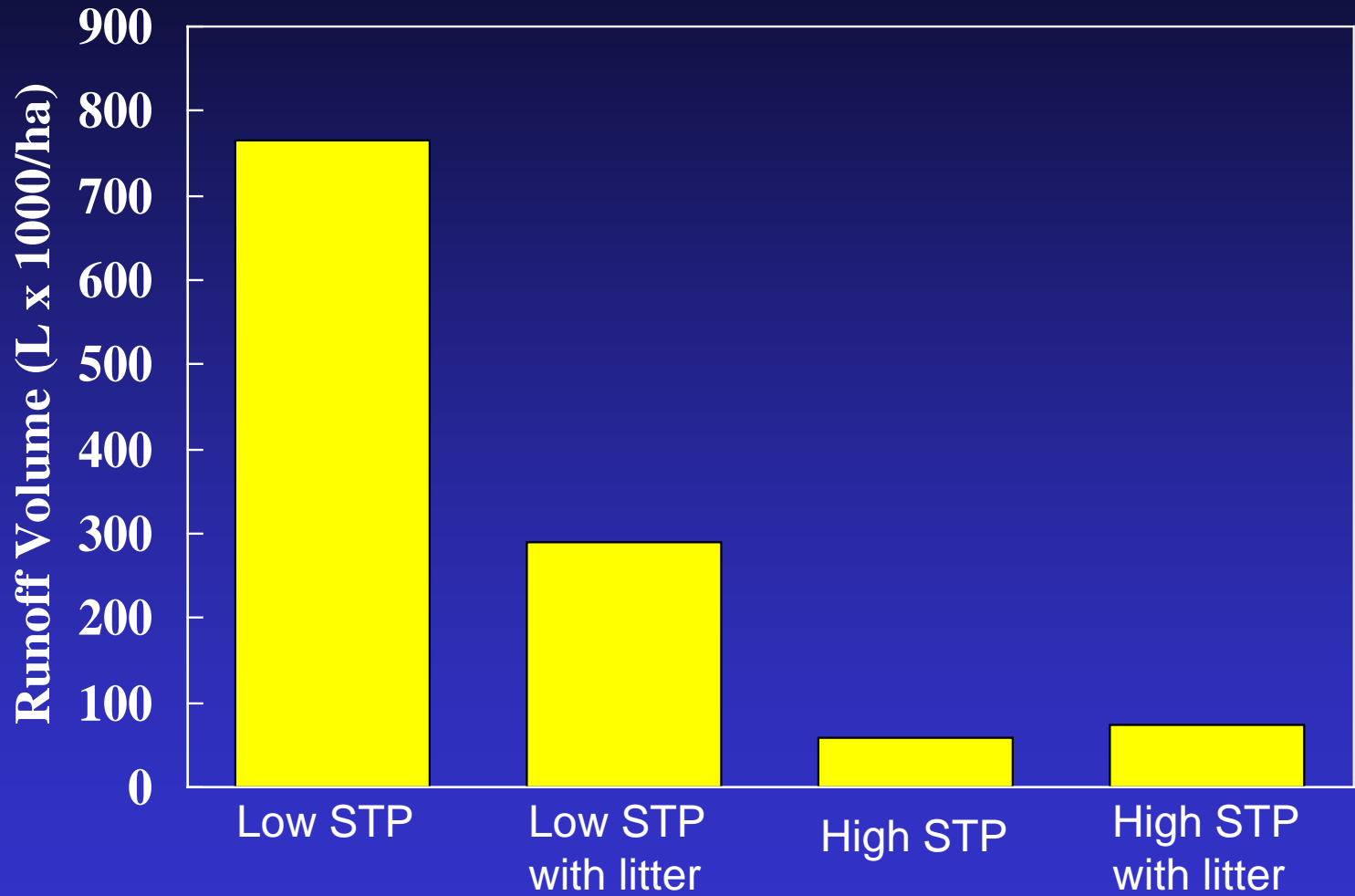
TP Applied = 41.4 lb/ac

Watersheds 11 - 12 with GPS Coordinates for Flume Locations















Selection Criteria

- Uniform Soil Series
- Uniform Slope
- Uniform Field Size
- Cooperating landowner
 - Some construction involved
 - Implementation of different management practices

Treatments

- Tillage
 - No-till/Conventional Till
- Application Timing
 - Fall/Spring; Annually/every third year
- Application Methods
 - Surface Application/Incorporation/Injecting
- Fertilizer Type
 - Compost/Raw Manure
- Other BMPs
 - Buffer Strip/Setback; grazing systems; cropping systems