

A DAILY BURNED AREA MAPPING METHOD USING AVHRR TIME-SERIES DATA

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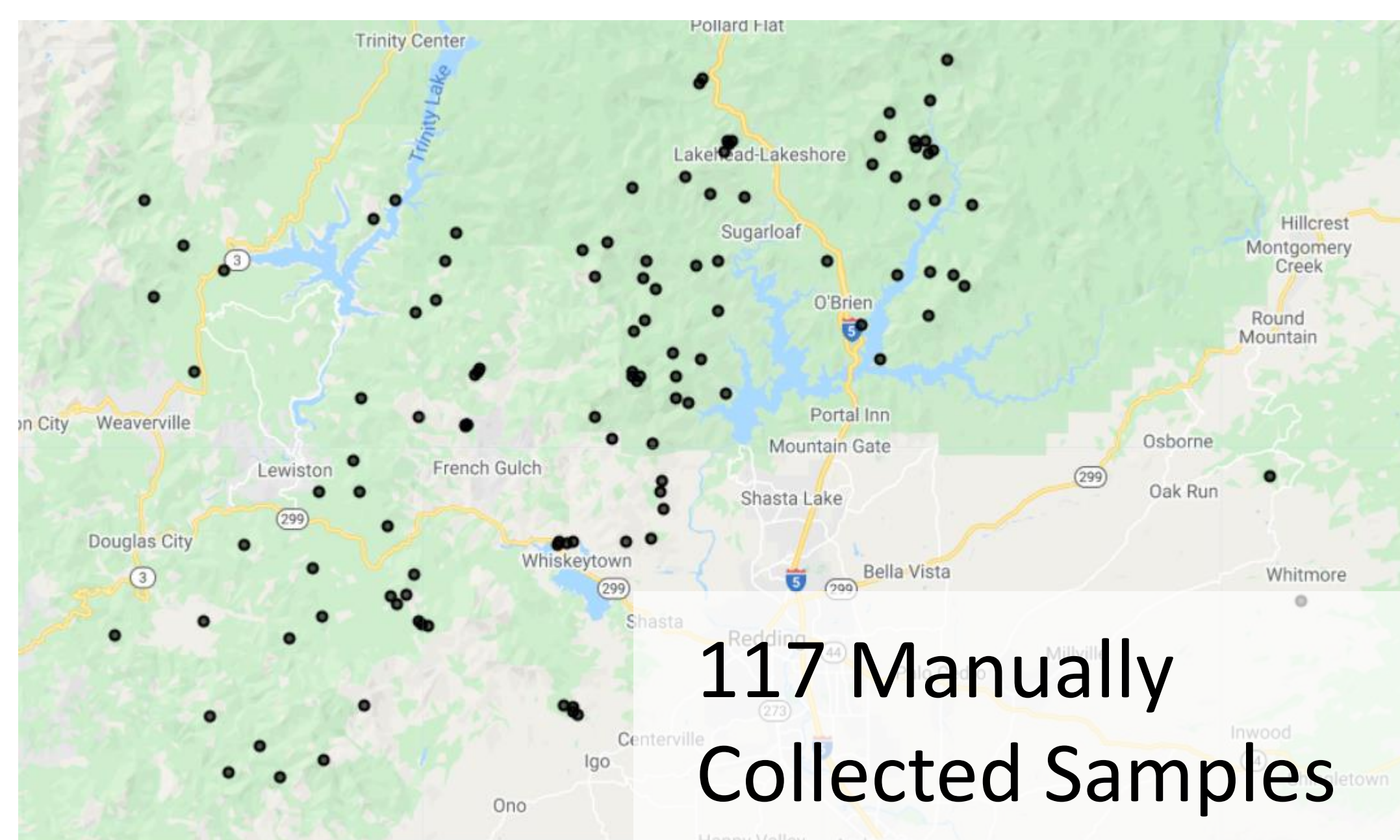
BACKGROUND

- AVHRR sensors are widely used to develop pre-MODIS daily historical records.
- Existing products could not fully meet the temporal requirements.

STUDY AREA & Sample

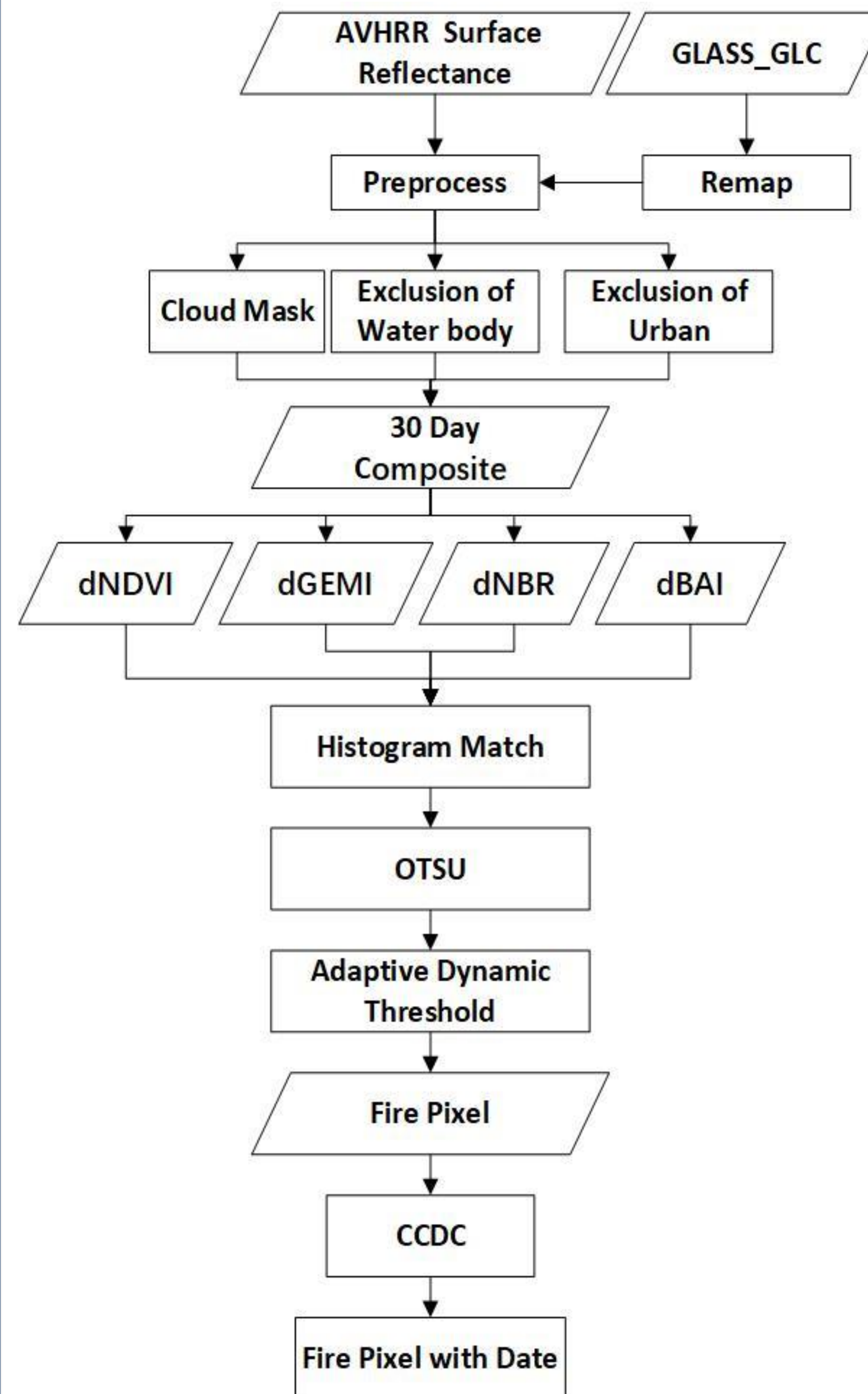


Shasta-Trinity
National Park



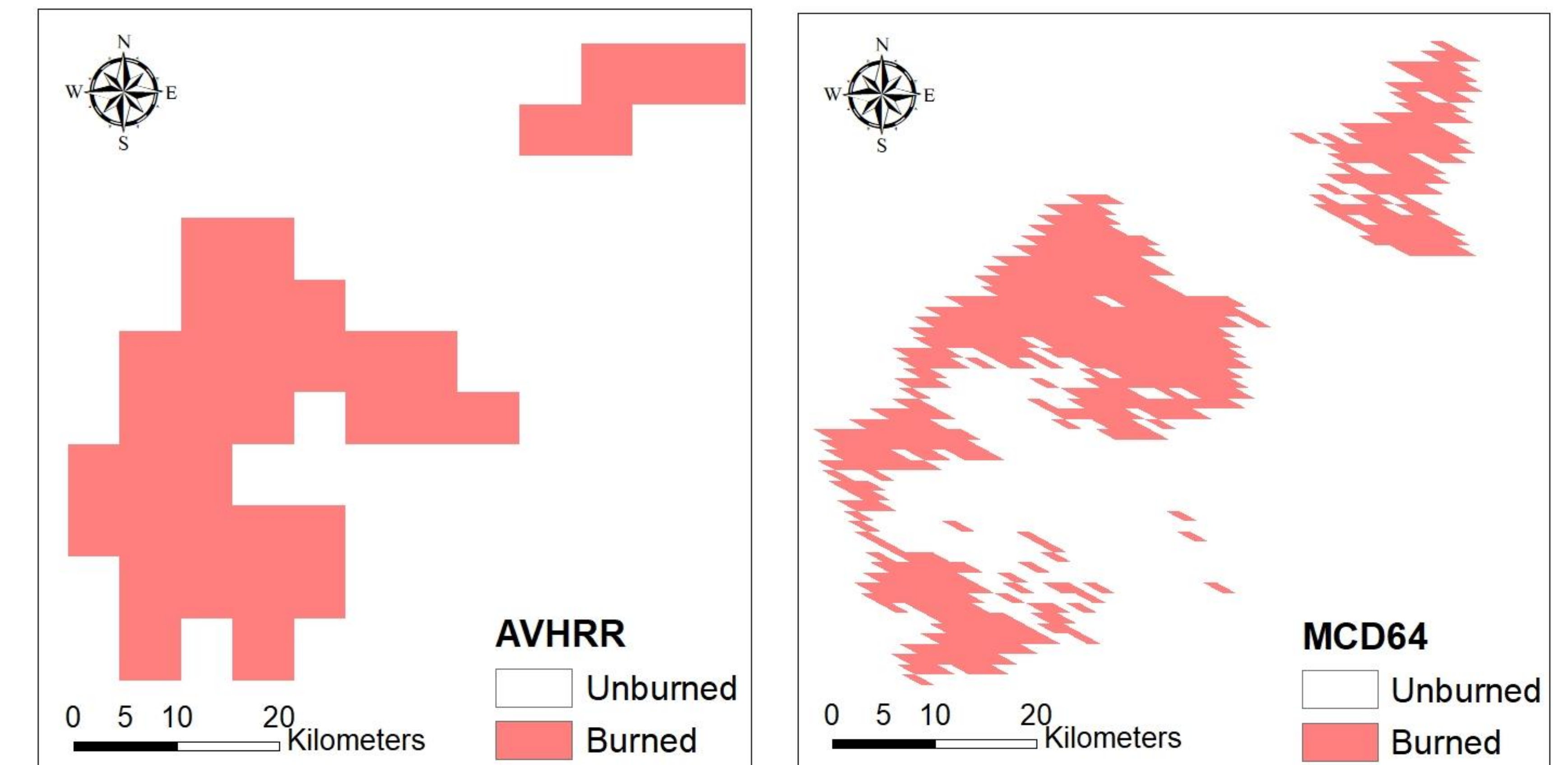
117 Manually
Collected Samples

METHODS

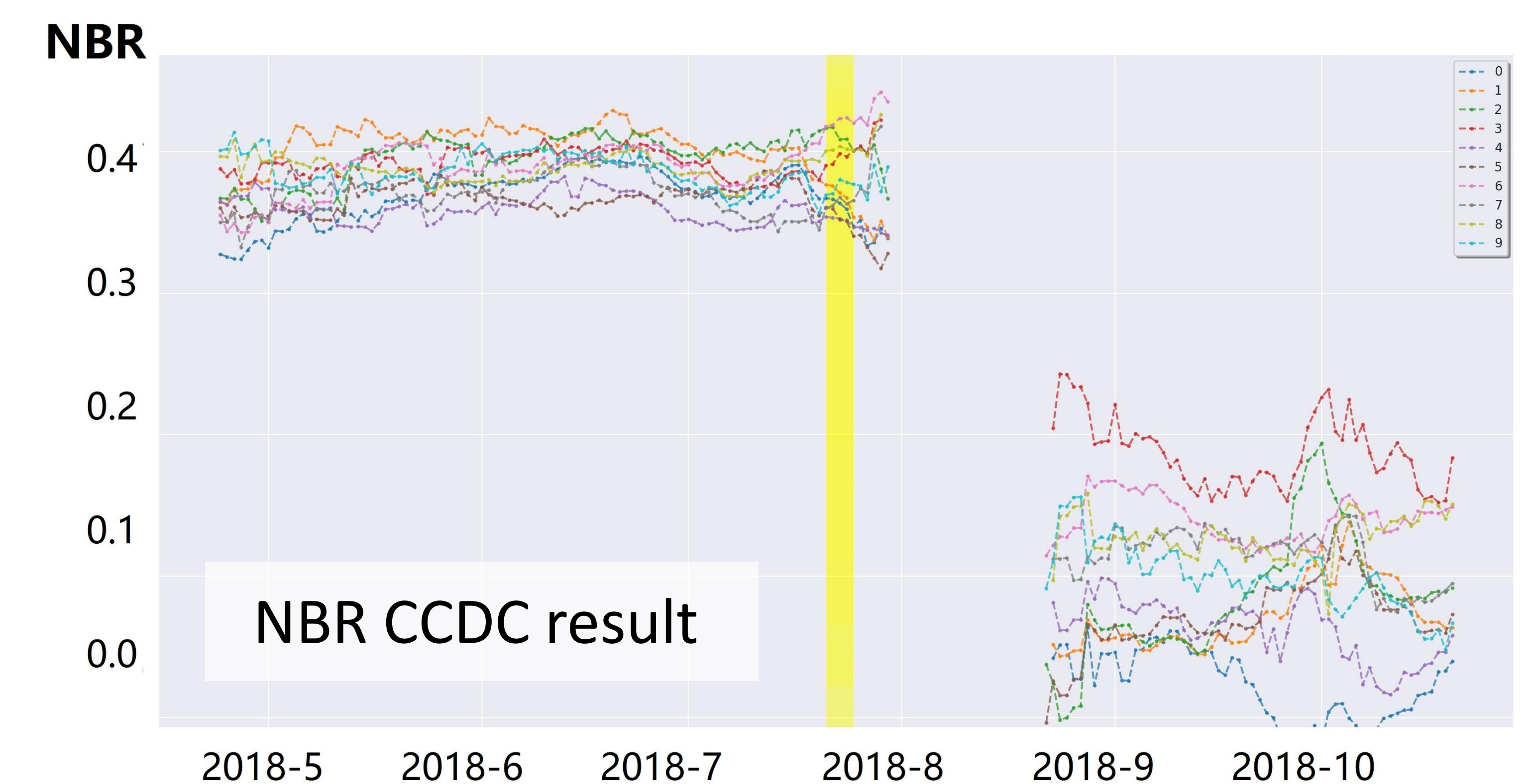


RESULTS

SPATIAL



TEMPORAL



CONCLUSIONS &DISCUSSION

- Because the OTSU thresholding underestimates of the burnt areas, the fire will be seed pixels to perform a region growing.
- Dynamic threshold will be modified based on the different vegetation types which leading to different types of fire.