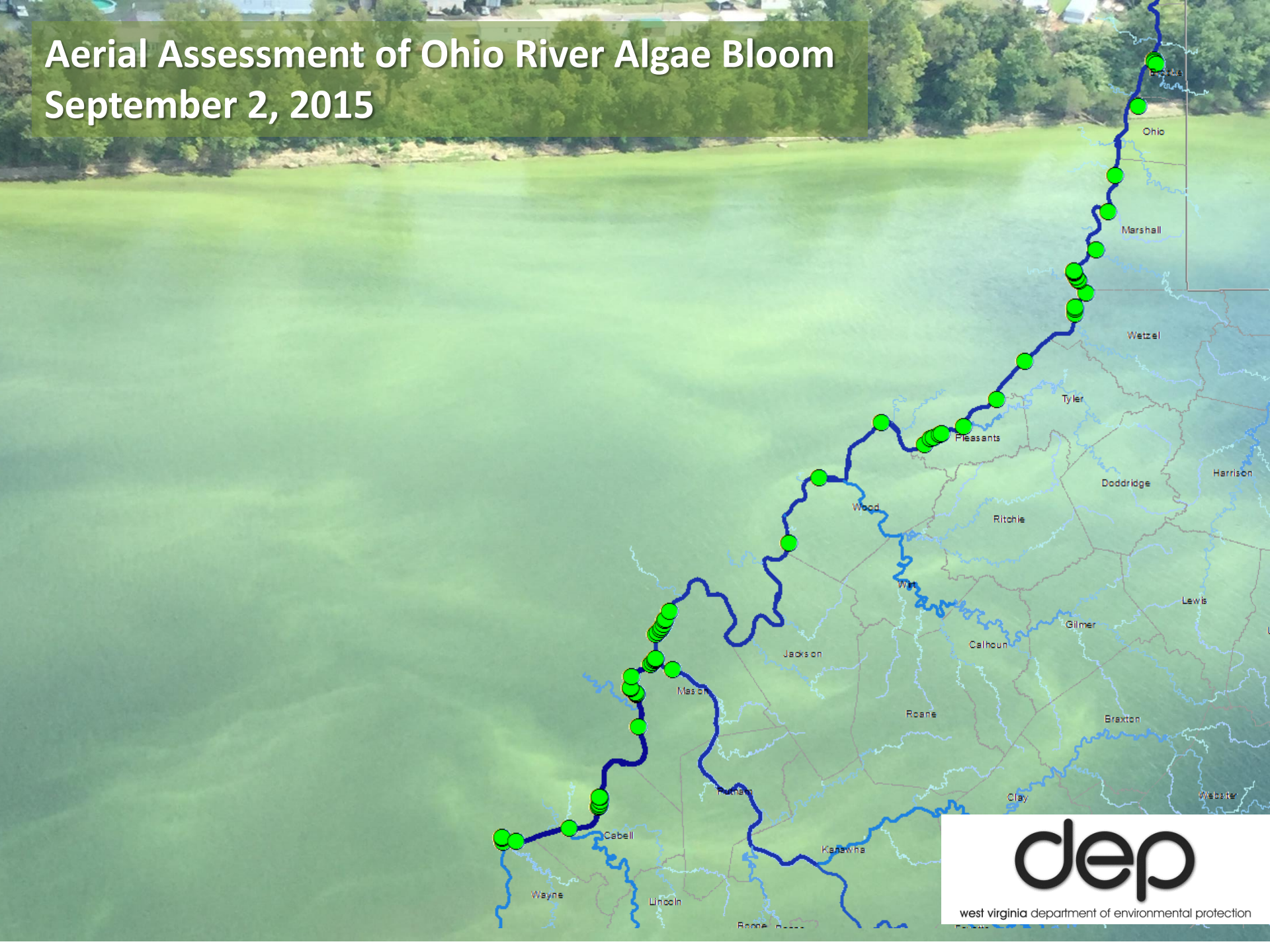


Aerial Assessment of Ohio River Algae Bloom
September 2, 2015

dep
 west virginia department of environmental protection





WV State Aviation: Steve Knotts

WVDEP – DWWWM: John Wirts, Patrick Campbell

USACE – Huntington District - Water Management: Andrew Johnson

WV DHHR – BPH: Scott Rodeheaver

Flew over the WV Section of the Ohio from Big Sandy River upstream to Buffalo Creek near Wellsburg in the Pike Island Pool.

Wednesday, Sept 2, 2015

1:45 pm to 4:15 pm.



west virginia department of environmental protection



Big Sandy River near mouth.
Wayne County, WV
No sign of bloom



~ River mile (RM) 315.

Ceredo, WV

Algal bloom evident mostly along banks with occasional streaks of dense algae extending into mainstem



RM 298.

Just upstream of
Ninemile Ck (WV).

Near Lesage, WV



~ RM 298.
Just upstream of
Ninemile Ck (WV).
Near Lesage, WV



RM 270
Near Gallipolis, OH



Bloom continued at
similar levels
upstream.
With some areas of
lower densities



Mouth of Kanawha River.
Enters Ohio River at RM 266.
No blooms evident in
Kanawha. (Green streaks are
reflection off glass)



RM 260 – mid-stream.
Upstream of Point Pleasant, WV



RM 260.

Upstream of Point Pleasant, WV
Kyger Power Plant



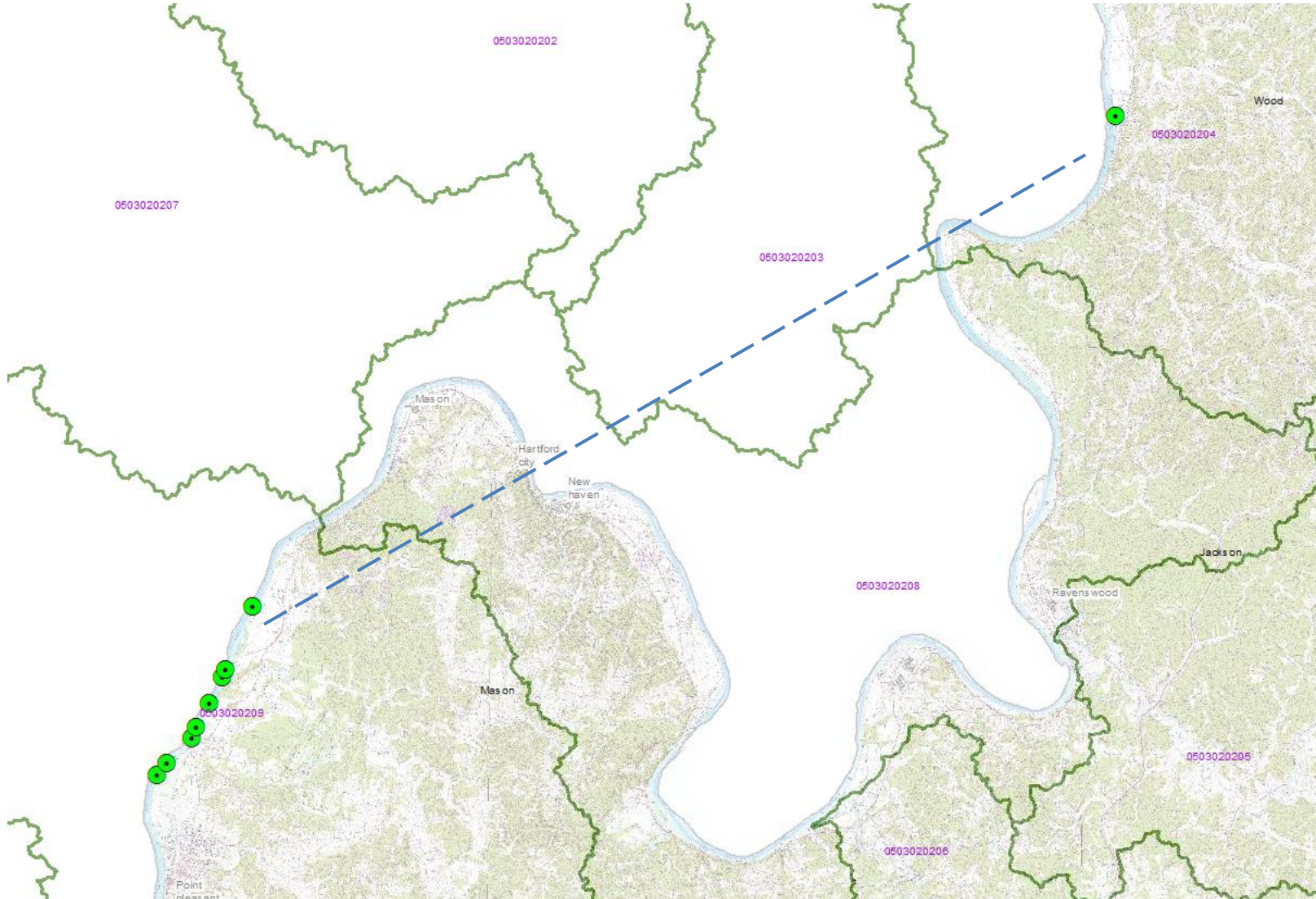
RM 259.
Upstream of Point Pleasant, WV



RM 256.
Just upstream
Cheshire OH



Skipped section around Ravenswood because of time constraints



Belleville L&D
RM 204.
Diffuse bloom observed



Mouth of Muskingum
River ~ RM 172. No
bloom observed in
Muskingum.



RM 158.5
Between Willow
Island and St. Marys



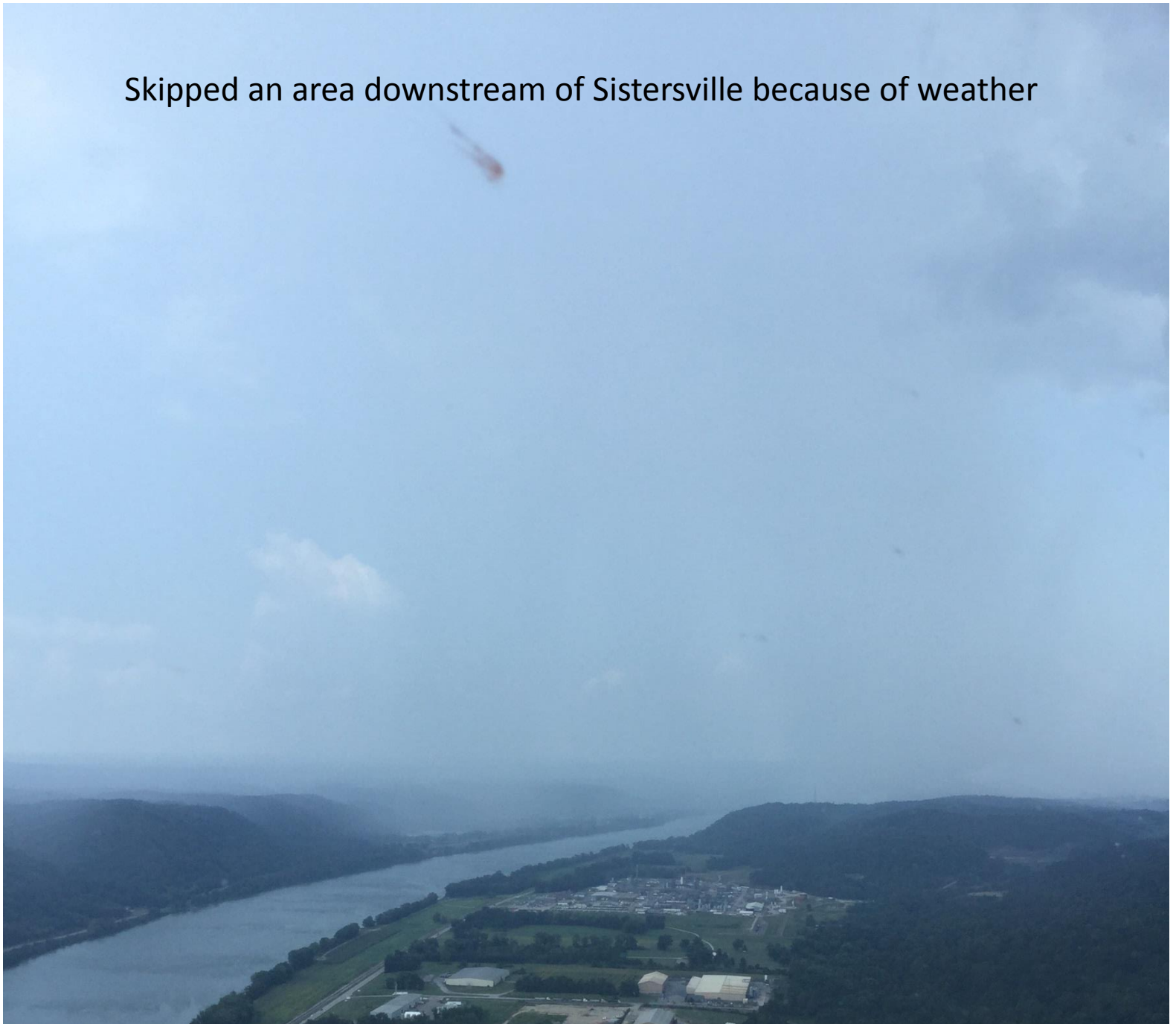
Broadback Island

RM 155.
St. Marys, WV



Downstream end
of Middle Island

Skipped an area downstream of Sistersville because of weather



RM 139
Just downstream of
Sistersville, WV



RM 119.5
Ohio bank across
from Natrium, WV



Sunfish Creek at
Clarington, OH
Enters river at RM
118.



Fish Creek – Enters Ohio at RM 114. Unknown whether algae had been blown or drifted in from Ohio River or developed in tributary.



~ RM 117.

Just Upstream of Natrium, WV /
Clarington, OH



Buffalo Creek – Near
Wellsburg, WV at RM 75

No bloom detected. Had
seen heavy algae the week
of Aug 20.



No algae blooms were seen on this flight in Ohio River upstream of Moundsville, WV to the point where Buffalo Creek enters the Ohio River in Brooke County.