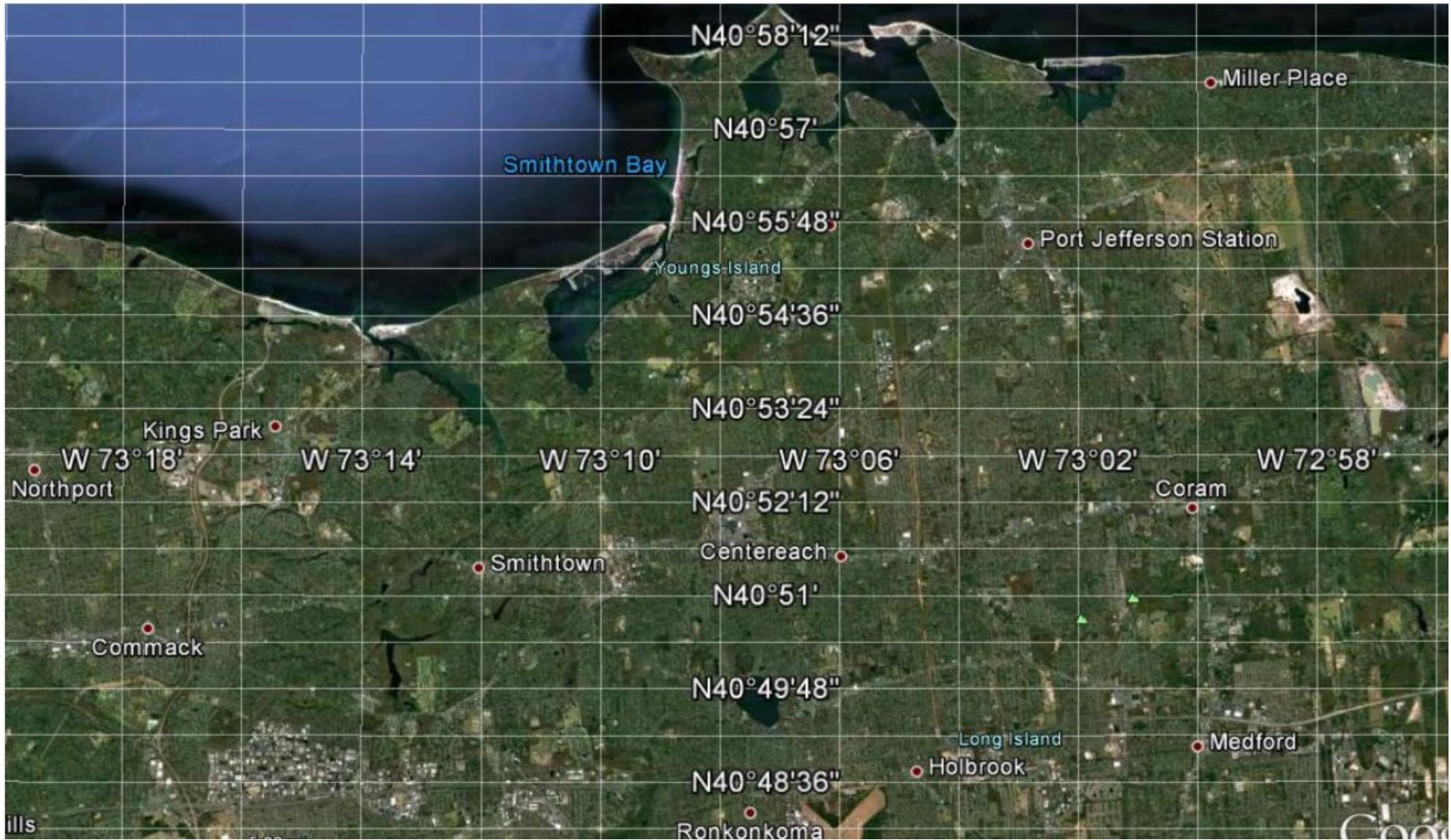**Exercise:** Breaking news!!!☺ This morning, a **tiger** was detected by surveillance cameras at the following locations: **N40°55'30" and W73°03'**; **N40°51'40" and W73°12'**; **N40°52'12" and W73°00'**. **Identify the towns that might have been at risk…**

How to do it: Let us start with **N40°55'30" and W73°03'**.

First, identify **longitude** scale (shown in <mark>red</mark>): 1 box is equal to 02', increasing from right to left; we need W73°03' so we shift half a box to the left from W73°02'; the resulting longitude line is shown in **red dash**.

Similarly, <mark>latitude</mark> scale (shown in <mark>yellow</mark>): 4 boxes equal to 40°57'- 40°54'36" = =2'24"= 2 min 24 sec =144 sec, therefore 1 box is equal to 144/4=36 sec or 36"; now we need N40°55'30"=N40°55'48"-18", and 18" is exactly half a box; the resulting latitude line is shown in <mark>yellow dash</mark>.

The intersection of the two lines gives us Port Jefferson Station!