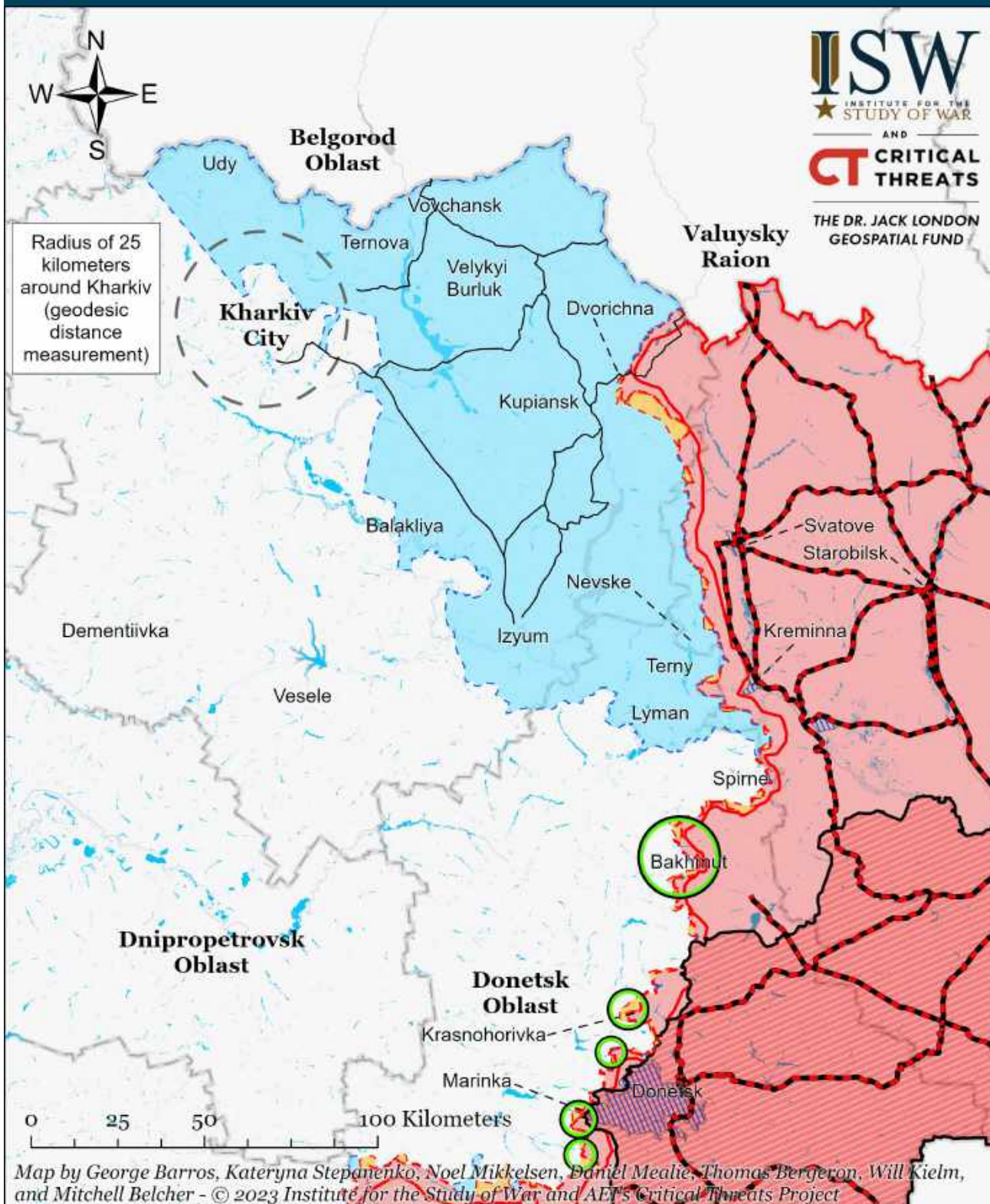


# Assessed Control of Terrain Around Kharkiv as of April 24, 2023, 3:00 PM ET



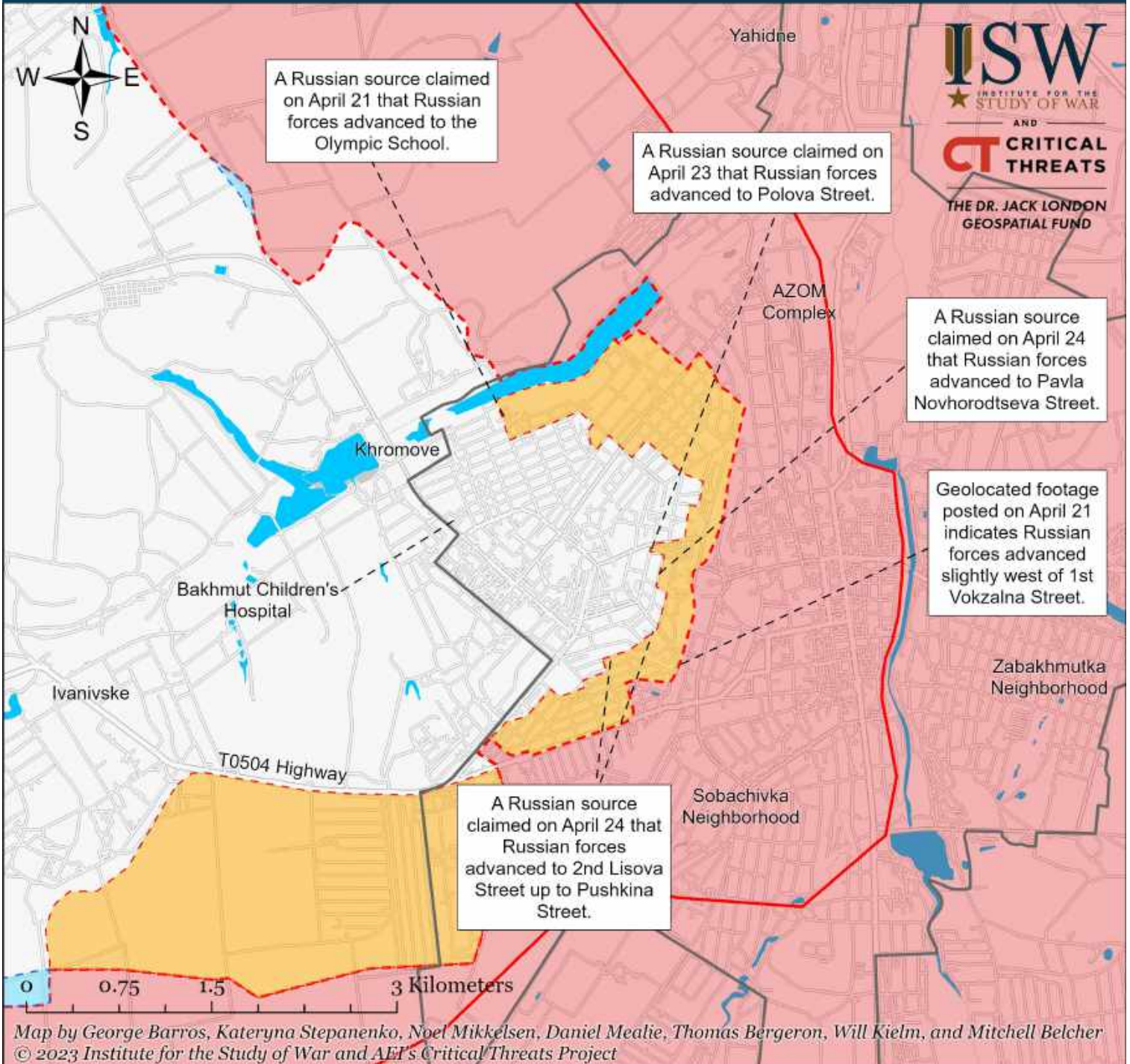
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiehm, and Mitchell Belcher - © 2023 Institute for the Study of War and AET's Critical Threats Project

- |   |   |  |
|---|---|--|
| Significant Fighting in the past 24 Hours | Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory |
| Key Ukrainian Roads                       | Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |
| Russian Ground Lines of Communication     | Assessed Russian-controlled Ukrainian Territory           | Reported Ukrainian Partisan Warfare              |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Bakhmut as of April 24, 2023, 3:00 PM ET

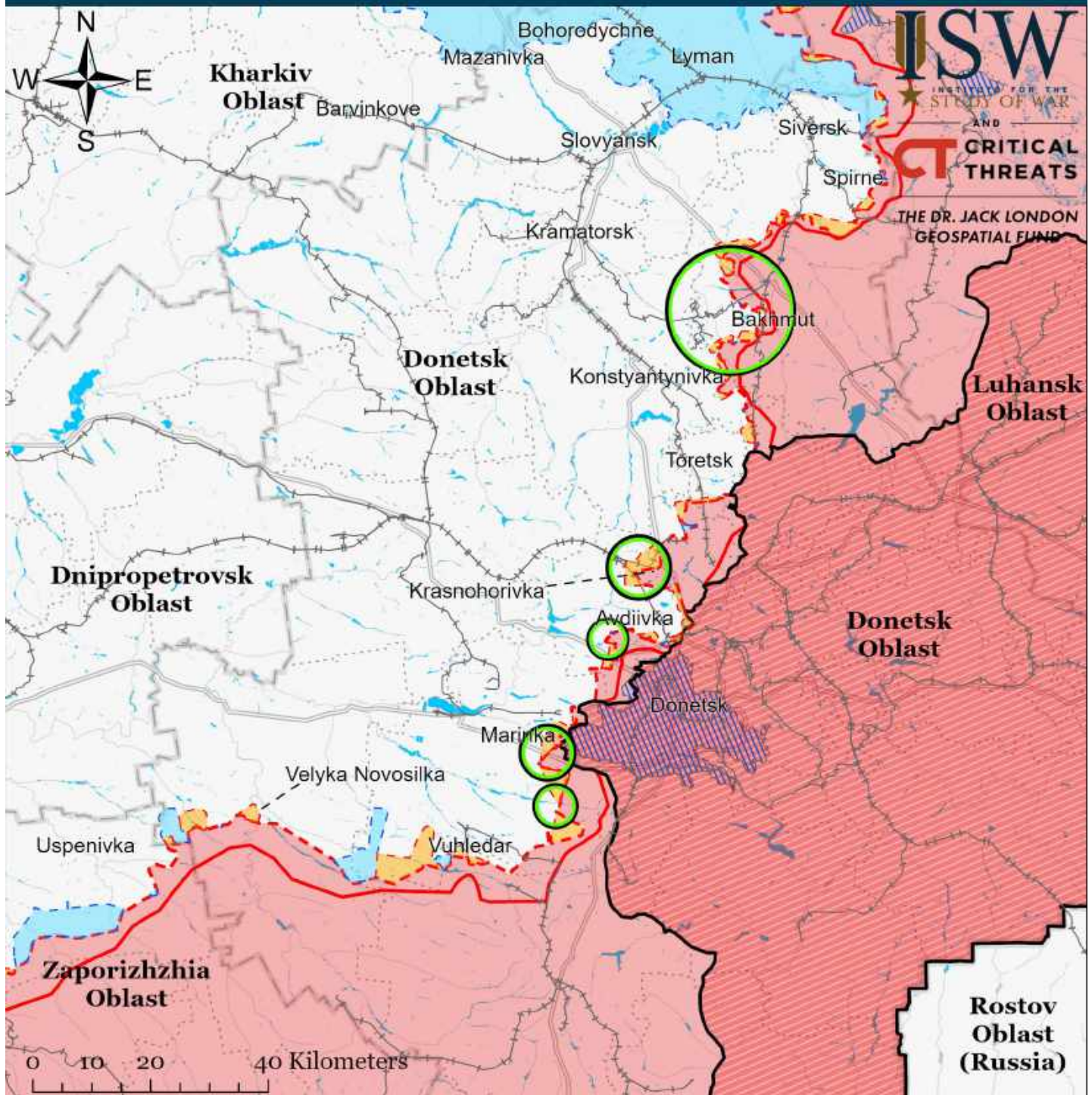


- Bakhmut City Limits
- Assessed Russian-controlled Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Donetsk as of April 24, 2023, 3:00 PM ET



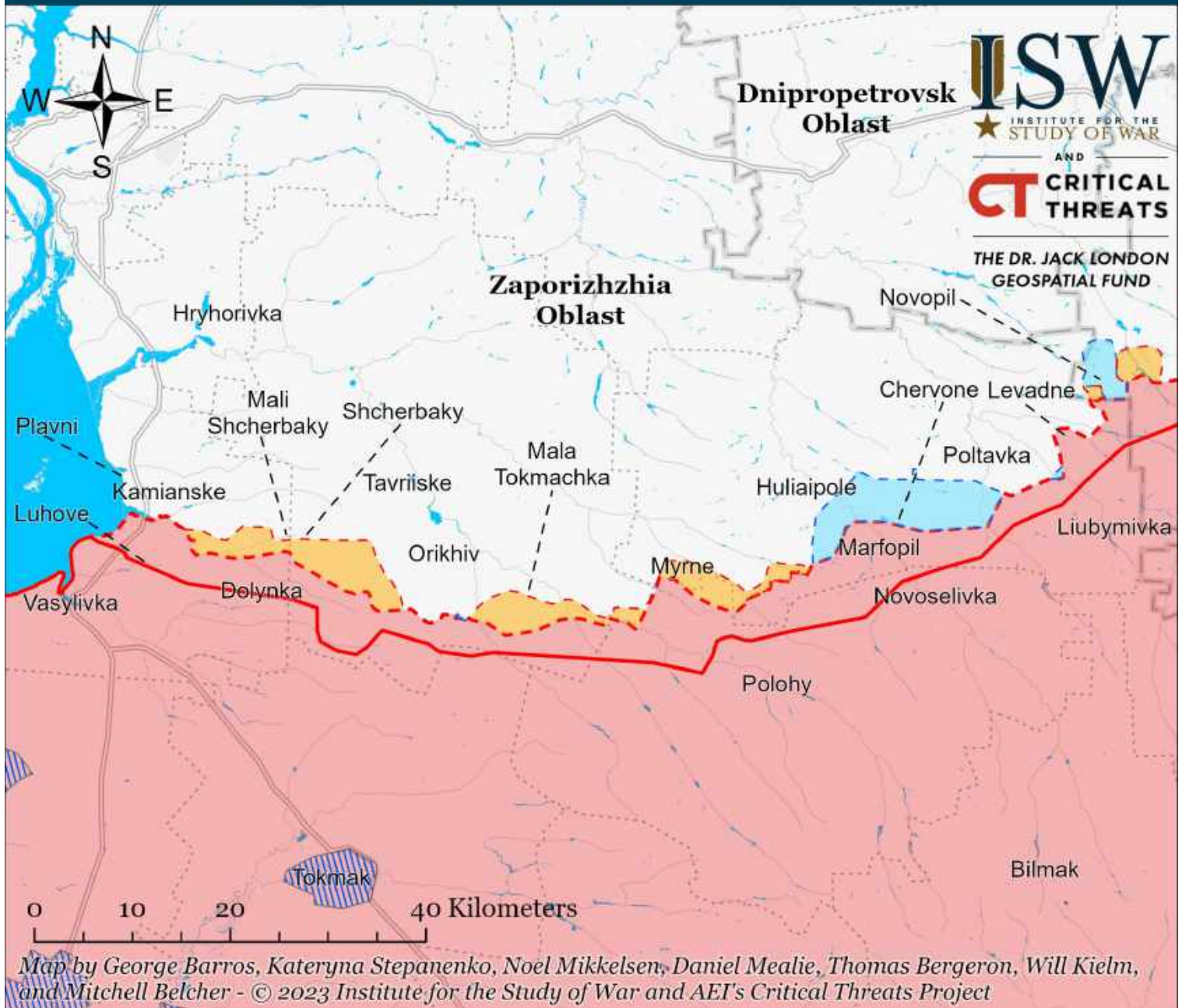
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiern, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

-  Significant Fighting in the past 24 Hours
-  Assessed Russian-controlled Ukrainian Territory
-  Assessed Russian Advances in Ukraine\*
-  Claimed Russian Control over Ukrainian Territory
-  Claimed Ukrainian Counteroffensives
-  Major Railroads
-  Reported Ukrainian Partisan Warfare
-  Russian-controlled Ukrainian Territory before February 24

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Zaporizhzhia as of April 24, 2023, 3:00 PM ET



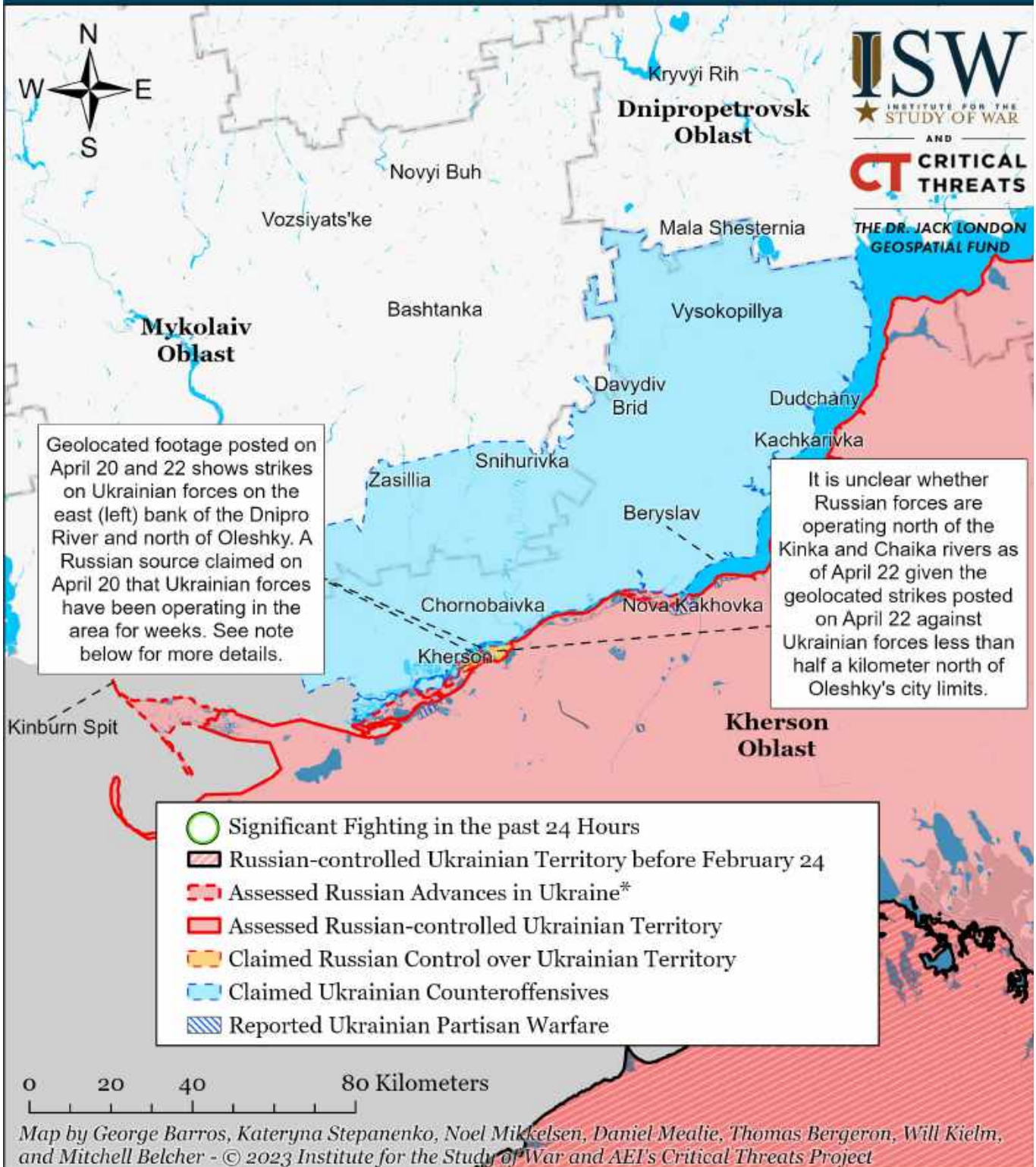
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Reported Ukrainian Partisan Warfare
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of April 24, 2023, 3:00 PM ET



Geolocated footage posted on April 20 and 22 shows strikes on Ukrainian forces on the east (left) bank of the Dnipro River and north of Oleshky. A Russian source claimed on April 20 that Ukrainian forces have been operating in the area for weeks. See note below for more details.

It is unclear whether Russian forces are operating north of the Kinka and Chaika rivers as of April 22 given the geolocated strikes posted on April 22 against Ukrainian forces less than half a kilometer north of Oleshky's city limits.

Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.

Note: Geolocated footage posted on April 20 and 22 shows Russian forces striking Ukrainian forces on the east (left) bank of the Dnipro River and near the E97 highway less than half a kilometer north of Oleshky's city limits. Russian milbloggers Rybar and "Thirteenth" claimed on April 20 that unspecified Ukrainian forces successfully landed on the left (east) bank of the Dnipro River and established positions west of the Antonivsky bridge, and have established stable supply lines to these positions. Russian milblogger "Thirteenth" claimed on April 20 that Ukrainian forces have been operating in the area for weeks and that Russian forces control an area 1.5 kilometers behind the Antonivsky bridge, but that Ukrainian forces control the rest. It is still unclear whether Russian forces are operating north of the Kinka and Chaika rivers given the geolocated strikes against Ukrainian forces less than half a kilometer north of Oleshky's city limits.



# Assessed Russian Order of Battle in Luhansk Oblast as of April 23, 2023



THE DR. JACK LONDON  
GEOSPATIAL FUND



Note: This map shows notional approximations of Russian unit locations based on Russian and Ukrainian reporting. This map does not show the full extent of Russian units deployed along the frontline.

Unspecified elements of the 2nd Motorized Rifle Division (1st Guards Tank Army) deployed to Luhansk Oblast from Belarus in late January 2023. These elements' whereabouts are unknown as of April 23, 2023.



- Russian Defensive Fortifications (trenches, fortifications, revetments, tank traps, etc.)
- Assessed Russian Advances
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Ukrainian Oblast Boundaries
- Ukrainian Village / Town / City
- Administrative Boundary

0 10 20 40 Kilometers

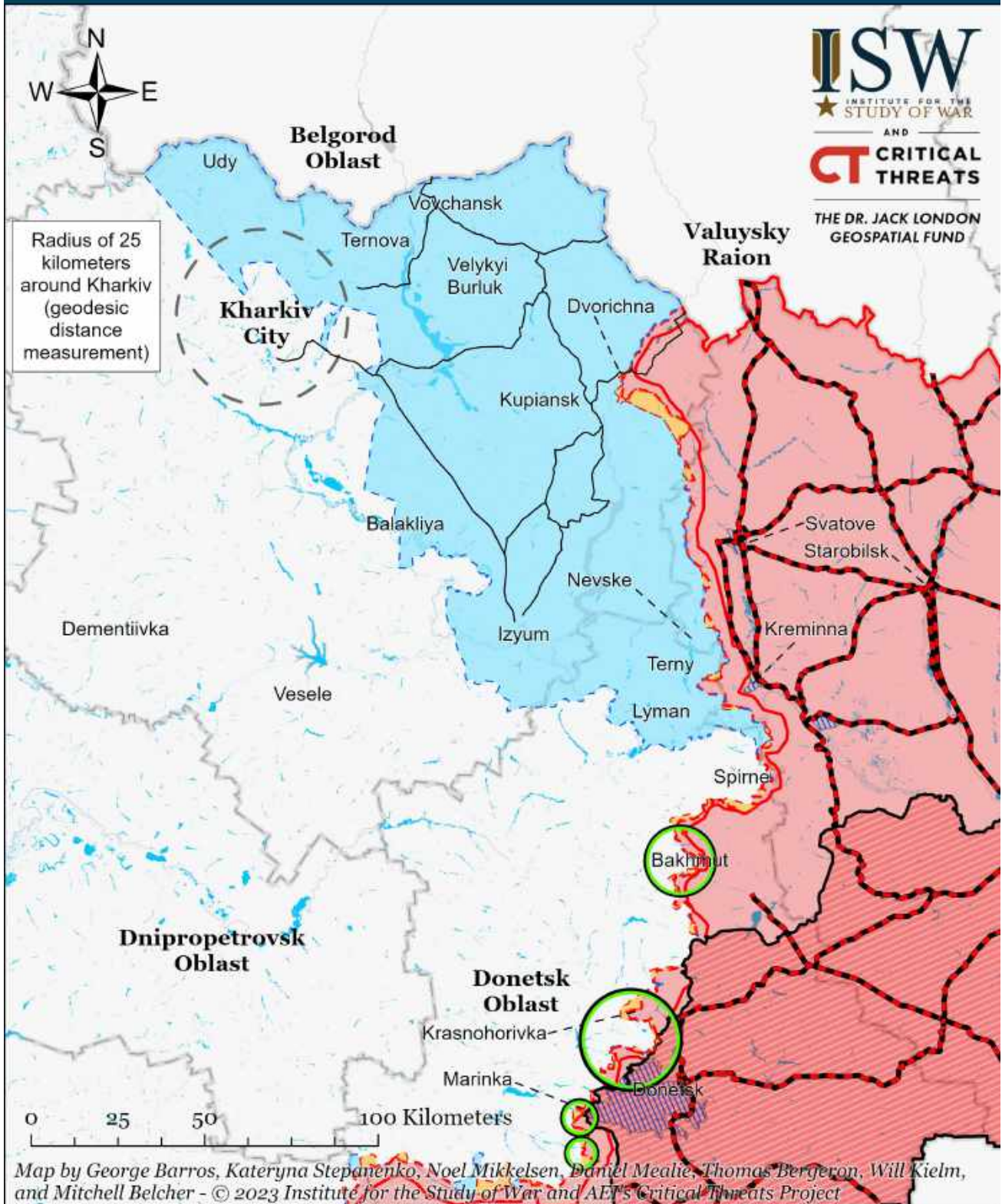
Map by George Barros  
Data acquired from satellite imagery and other open sources  
© 2023 Institute for the Study of War

Donetsk Oblast

Luhansk Oblast



# Assessed Control of Terrain Around Kharkiv as of April 23, 2023, 3:00 PM ET



Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiehl, and Mitchell Belcher - © 2023 Institute for the Study of War and AET's Critical Threats Project

- |   |   |  |
|---|---|--|
| Significant Fighting in the past 24 Hours | Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory |
| Key Ukrainian Roads                       | Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |
| Russian Ground Lines of Communication     | Assessed Russian-controlled Ukrainian Territory           | Reported Ukrainian Partisan Warfare              |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



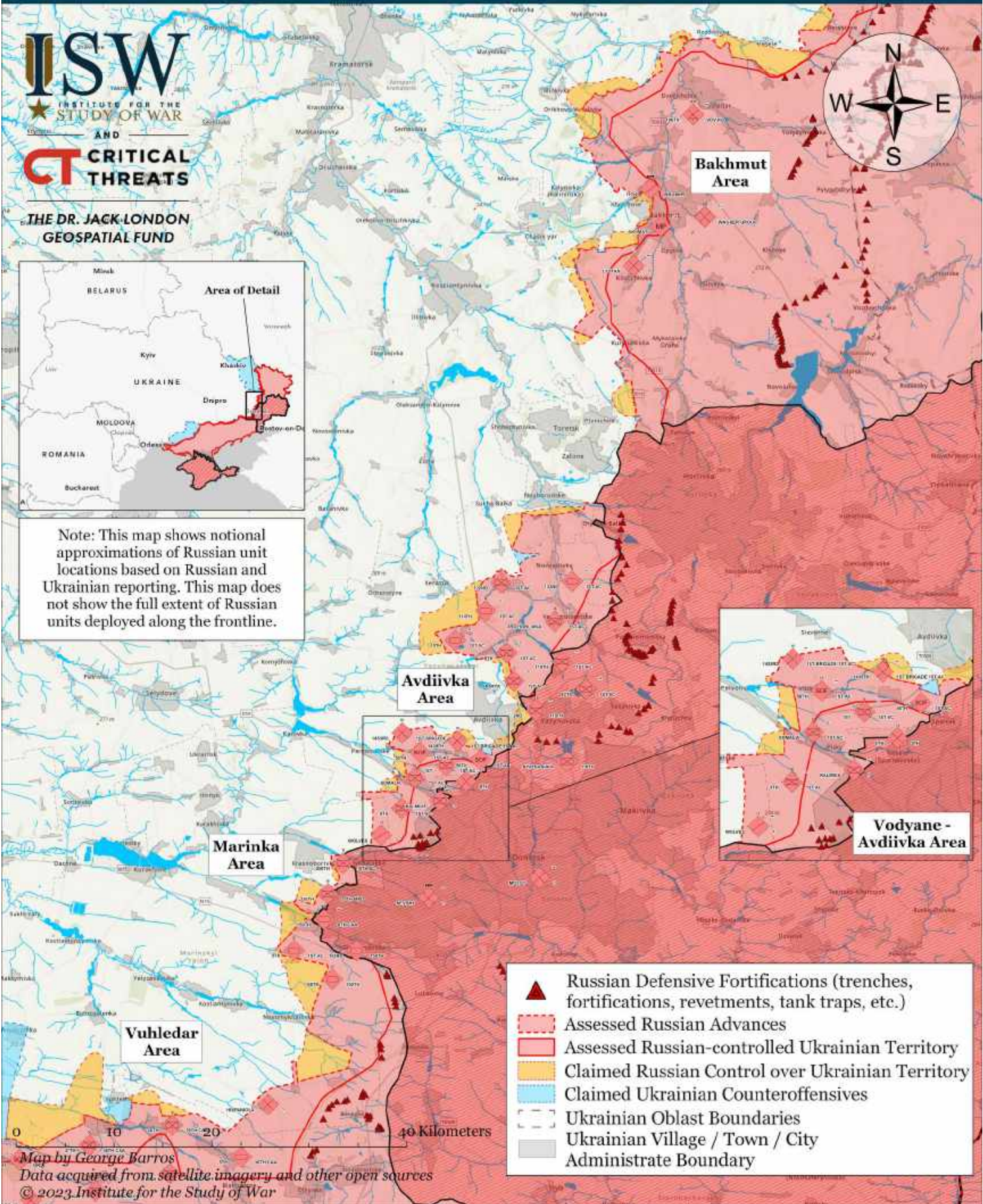
# Assessed Russian Order of Battle in Donetsk Oblast as of April 23, 2023

**ISW**  
 INSTITUTE FOR THE  
 STUDY OF WAR  
 AND  
**CT** CRITICAL  
 THREATS

THE DR. JACK LONDON  
 GEOSPATIAL FUND



Note: This map shows notional approximations of Russian unit locations based on Russian and Ukrainian reporting. This map does not show the full extent of Russian units deployed along the frontline.

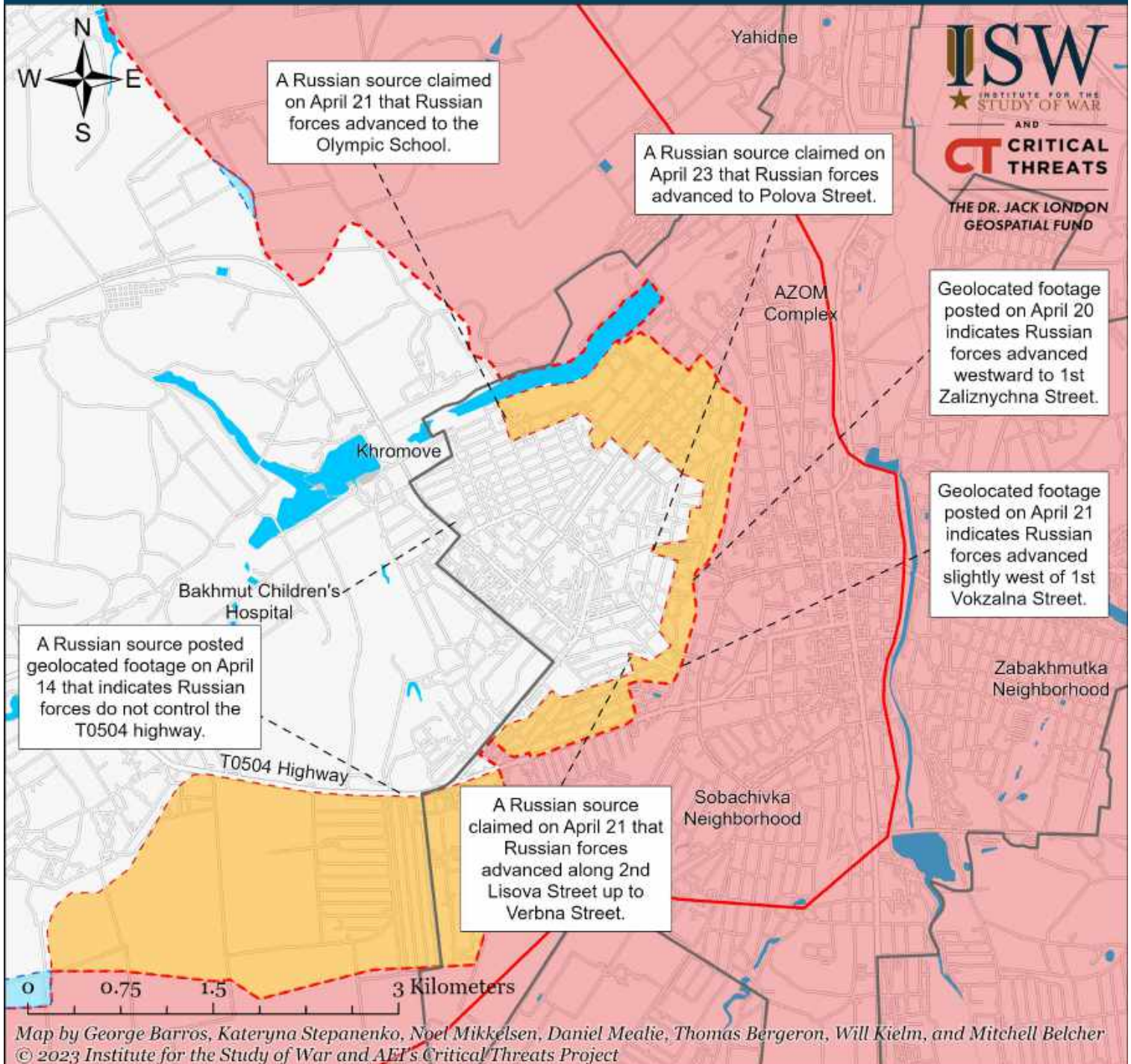


- Russian Defensive Fortifications (trenches, fortifications, revetments, tank traps, etc.)
- Assessed Russian Advances
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Ukrainian Oblast Boundaries
- Ukrainian Village / Town / City
- Administrative Boundary

Map by George Barros  
 Data acquired from satellite imagery and other open sources  
 © 2023 Institute for the Study of War



# Assessed Control of Terrain in Bakhmut as of April 23, 2023, 3:00 PM ET



**ISW**  
INSTITUTE FOR THE  
STUDY OF WAR  
AND  
**CT** CRITICAL  
THREATS  
THE DR. JACK LONDON  
GEOSPATIAL FUND

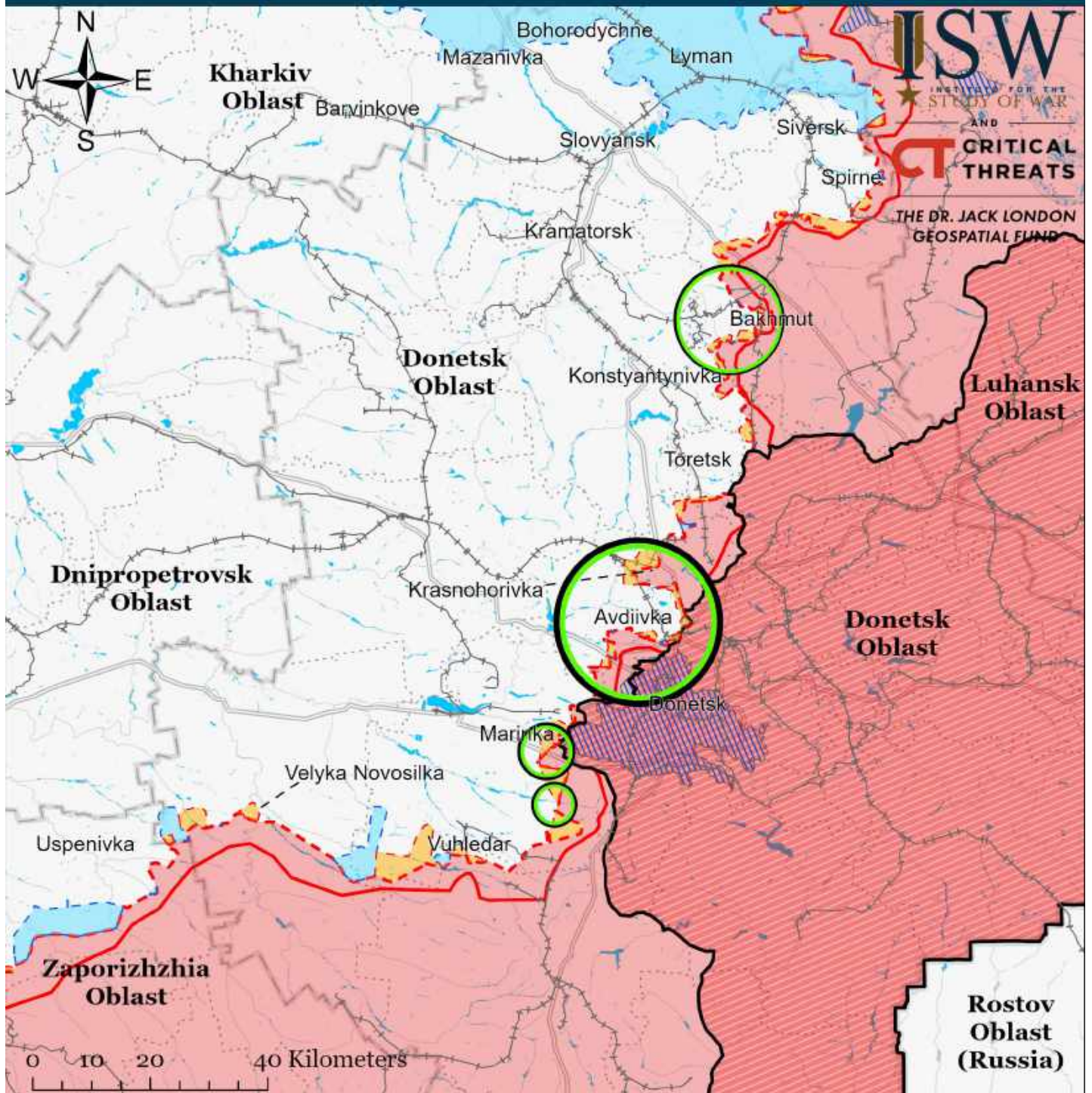
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher  
© 2023 Institute for the Study of War and AEI's Critical Threats Project

- Bakhmut City Limits
- ▭ Assessed Russian-controlled Ukrainian Territory
- ▭ Claimed Russian Control over Ukrainian Territory
- ▭ Assessed Russian Advances in Ukraine\*
- ▭ Claimed Ukrainian Counteroffensives
- ▭ Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Donetsk as of April 23, 2023, 3:00 PM ET



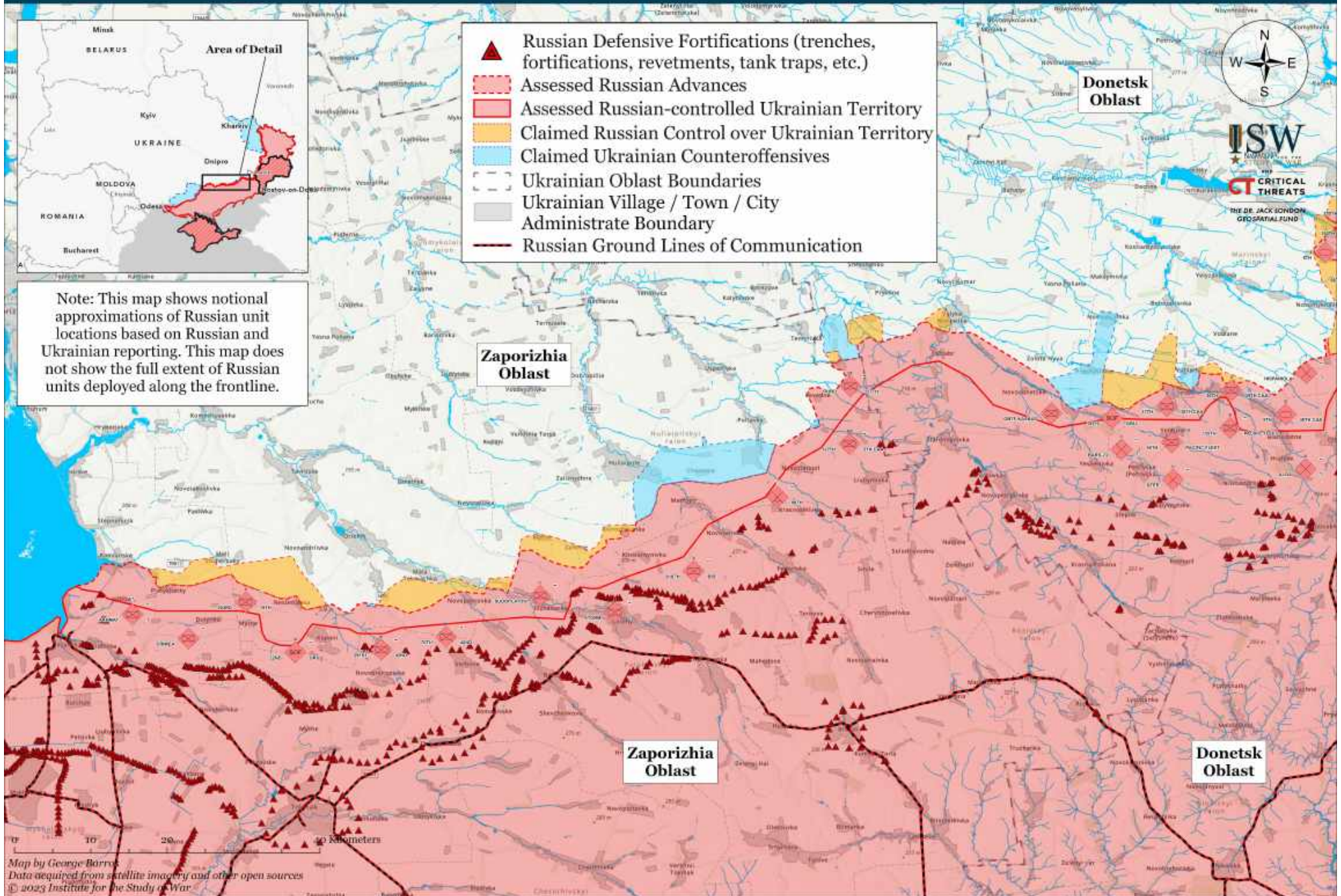
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiern, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

- |   |  |                                     |
|---|--|-------------------------------------|
| Significant Fighting in the past 24 Hours                 | Assessed Russian-controlled Ukrainian Territory  | Major Railroads                     |
| Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory | Reported Ukrainian Partisan Warfare |
| Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |                                     |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.

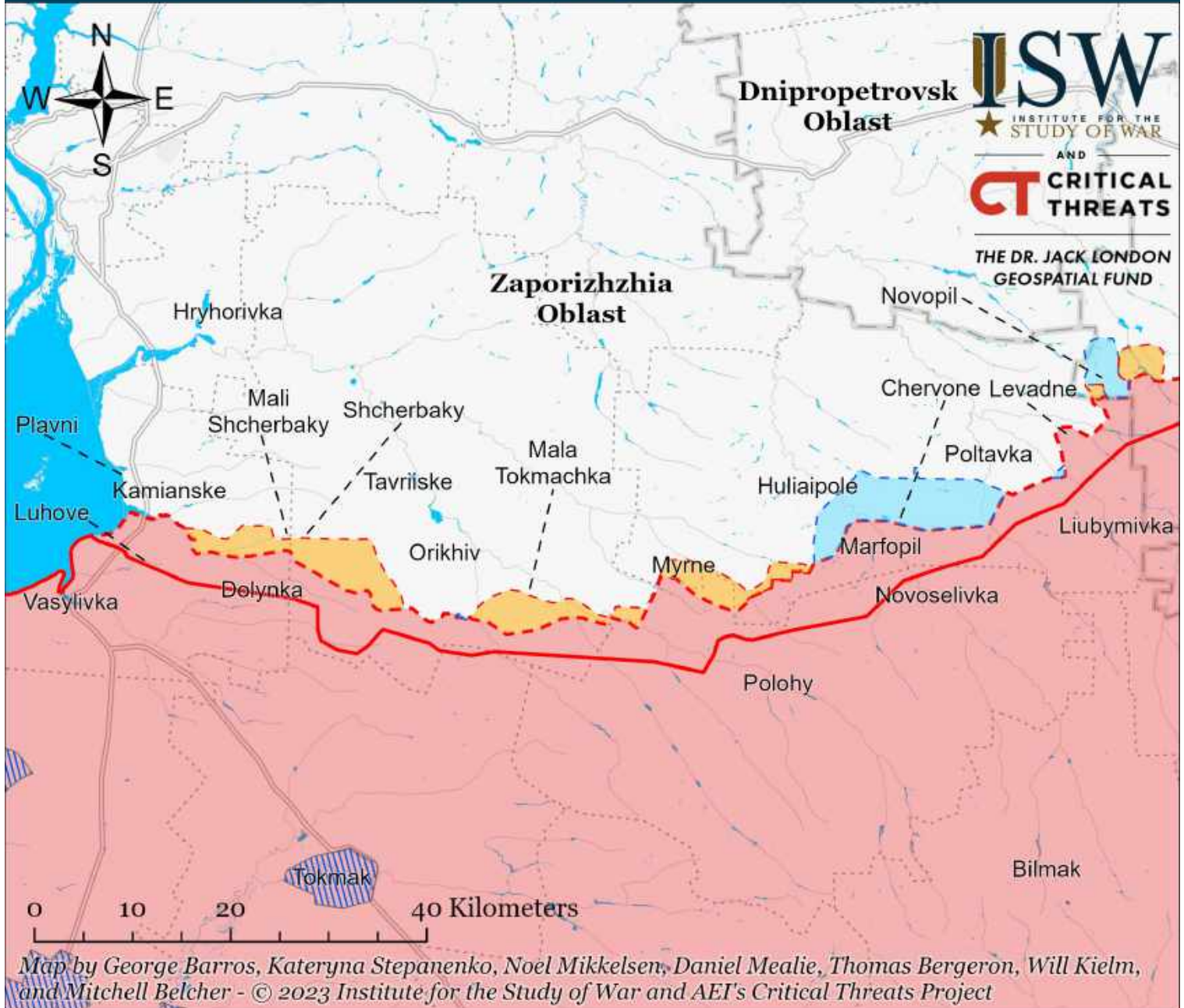


# Assessed Russian Order of Battle in Zaporizhia and Western Donetsk Oblast as of April 23, 2023





# Assessed Control of Terrain Around Zaporizhzhia as of April 23, 2023, 3:00 PM ET

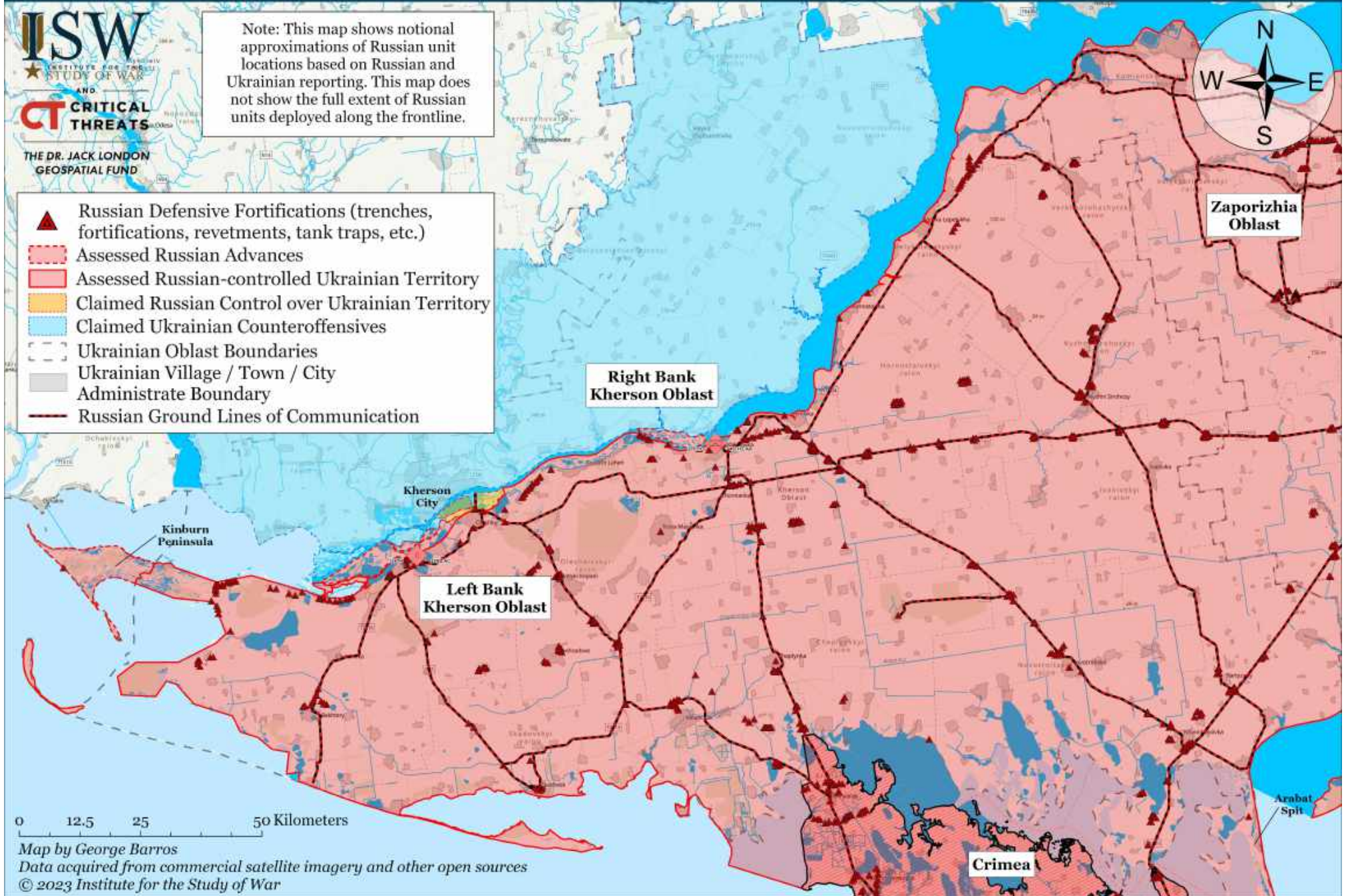


- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Russian Order of Battle in Kherson Oblast as of April 23, 2023





# Assessed Control of Terrain Around Kherson and Mykolaiv as of April 23, 2023, 3:00 PM ET



Geolocated footage posted on April 20 and 22 shows strikes on Ukrainian forces on the east (left) bank of the Dnipro River and north of Oleshky. A Russian source claimed on April 20 that Ukrainian forces have been operating in the area for weeks. See note below for more details.

It is unclear whether Russian forces are operating north of the Kinka and Chaika rivers as of April 22 given the geolocated strikes posted on April 22 against Ukrainian forces less than half a kilometer north of Oleshky's city limits.

Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.

Note: Geolocated footage posted on April 20 and 22 shows Russian forces striking Ukrainian forces on the east (left) bank of the Dnipro River and near the E97 highway less than half a kilometer north of Oleshky's city limits. Russian milbloggers Rybar and "Thirteenth" claimed on April 20 that unspecified Ukrainian forces successfully landed on the left (east) bank of the Dnipro River and established positions west of the Antonivsky bridge, and have established stable supply lines to these positions. Russian milblogger "Thirteenth" claimed on April 20 that Ukrainian forces have been operating in the area for weeks and that Russian forces control an area 1.5 kilometers behind the Antonivsky bridge, but that Ukrainian forces control the rest. It is still unclear whether Russian forces are operating north of the Kinka and Chaika rivers given the geolocated strikes against Ukrainian forces less than half a kilometer north of Oleshky's city limits.



# Assessed Control of Terrain in Ukraine and Main Russian Maneuver Axes as of April 23, 2023, 3:00 PM ET



Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Ukraine and Main Russian Maneuver Axes as of April 22, 2023, 3:00 PM ET

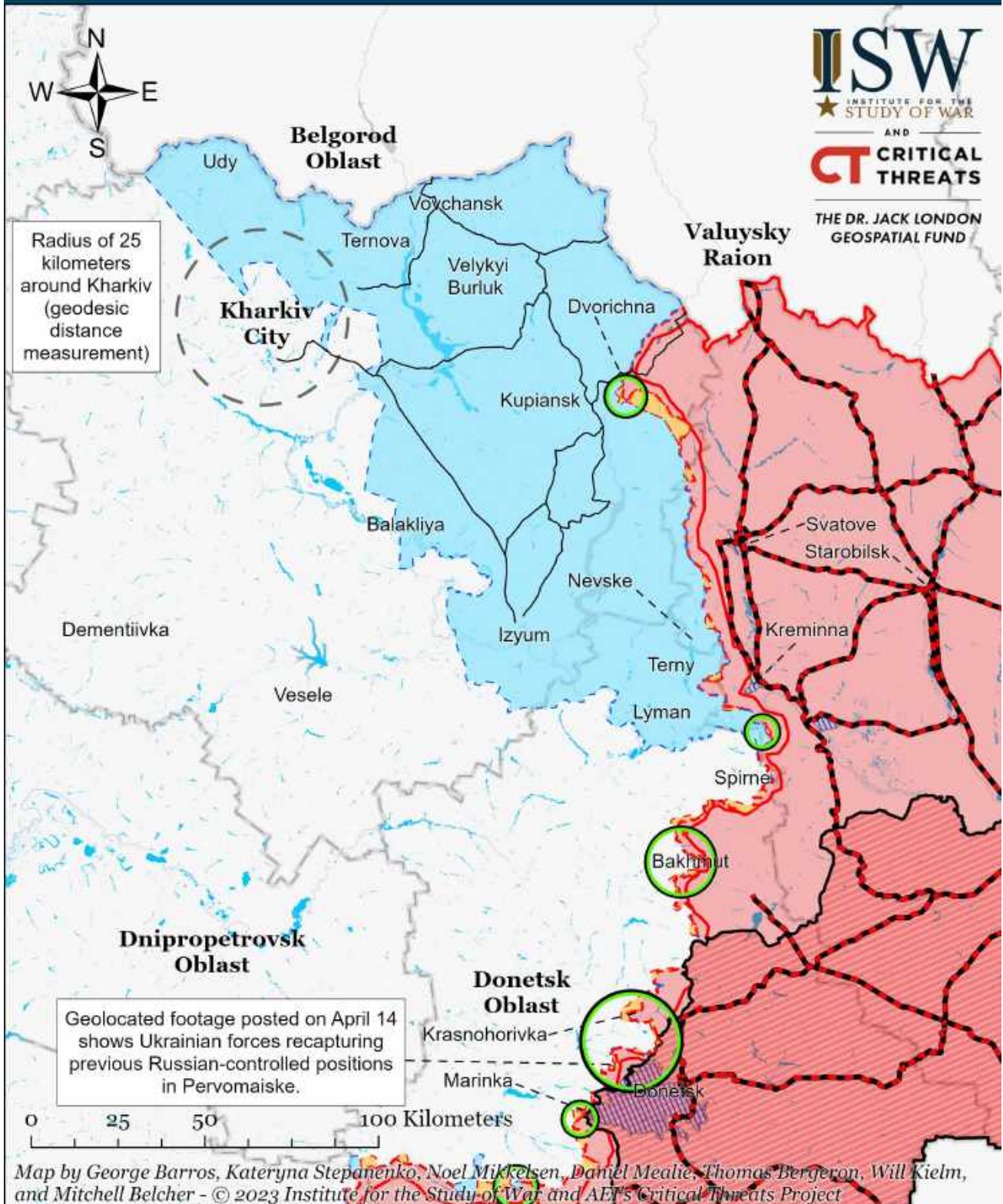


Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiehl, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kharkiv as of April 22, 2023, 3:00 PM ET

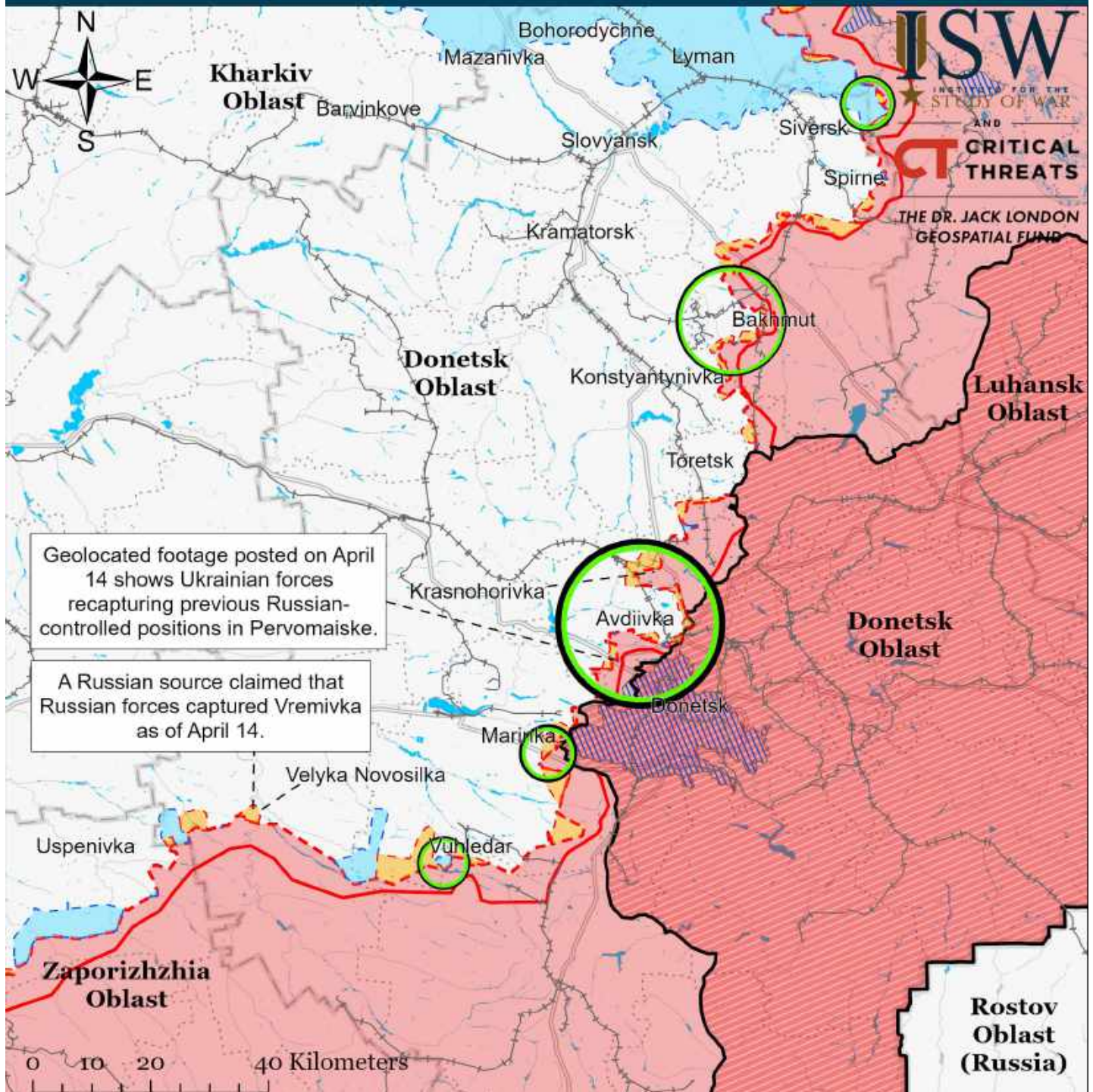


- Significant Fighting in the past 24 Hours
- Key Ukrainian Roads
- Russian Ground Lines of Communication
- Russian-controlled Ukrainian Territory before February 24
- Assessed Russian Advances in Ukraine\*
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Donetsk as of April 22, 2023, 3:00 PM ET



Geolocated footage posted on April 14 shows Ukrainian forces recapturing previous Russian-controlled positions in Pervomaiske.

A Russian source claimed that Russian forces captured Vremivka as of April 14.

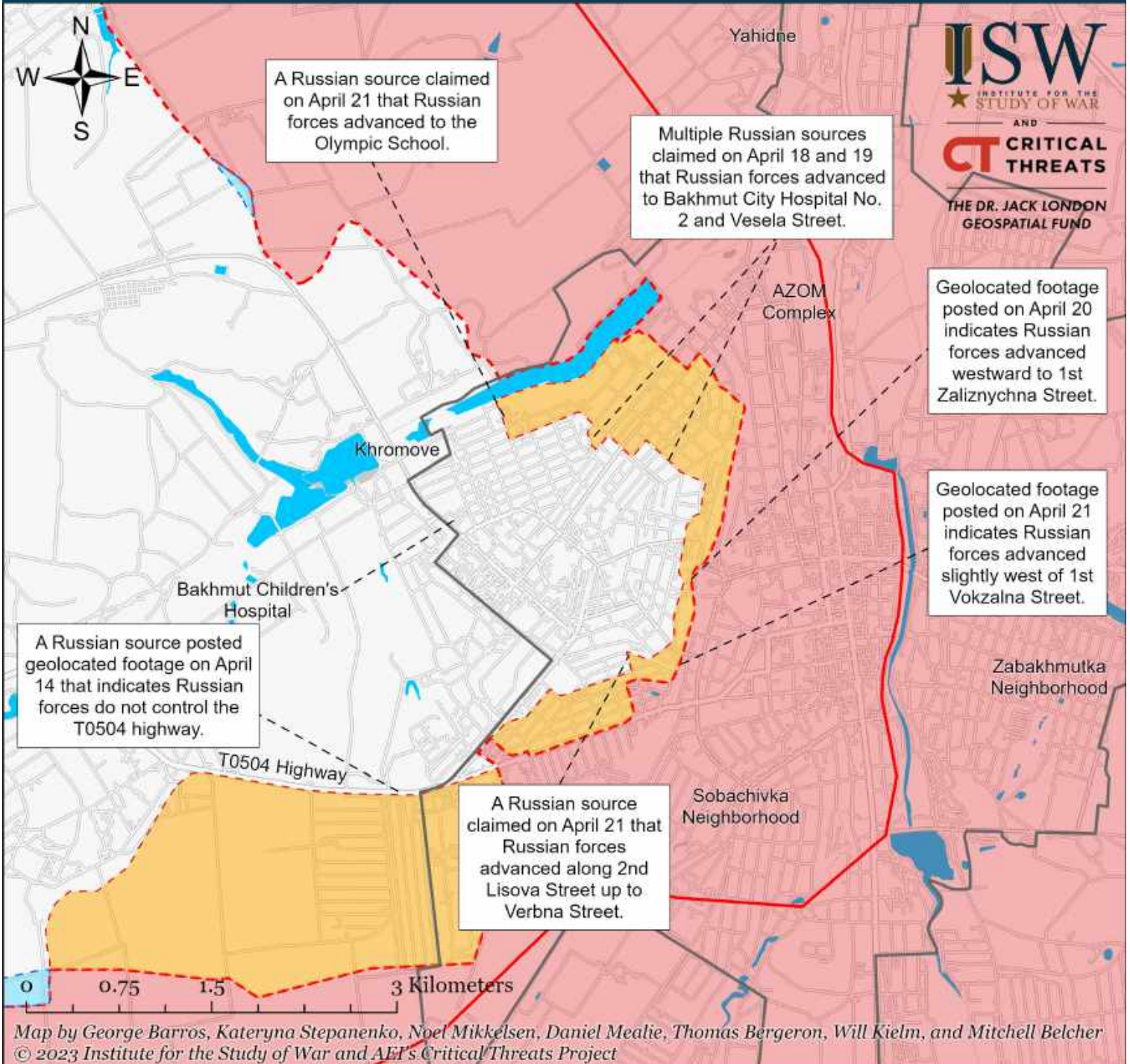
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Russian-controlled Ukrainian Territory before February 24
- Assessed Russian Advances in Ukraine\*
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Major Railroads
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Bakhmut as of April 22, 2023, 3:00 PM ET



**ISW**  
INSTITUTE FOR THE STUDY OF WAR  
AND  
**CT** CRITICAL THREATS  
THE DR. JACK LONDON GEOSPATIAL FUND

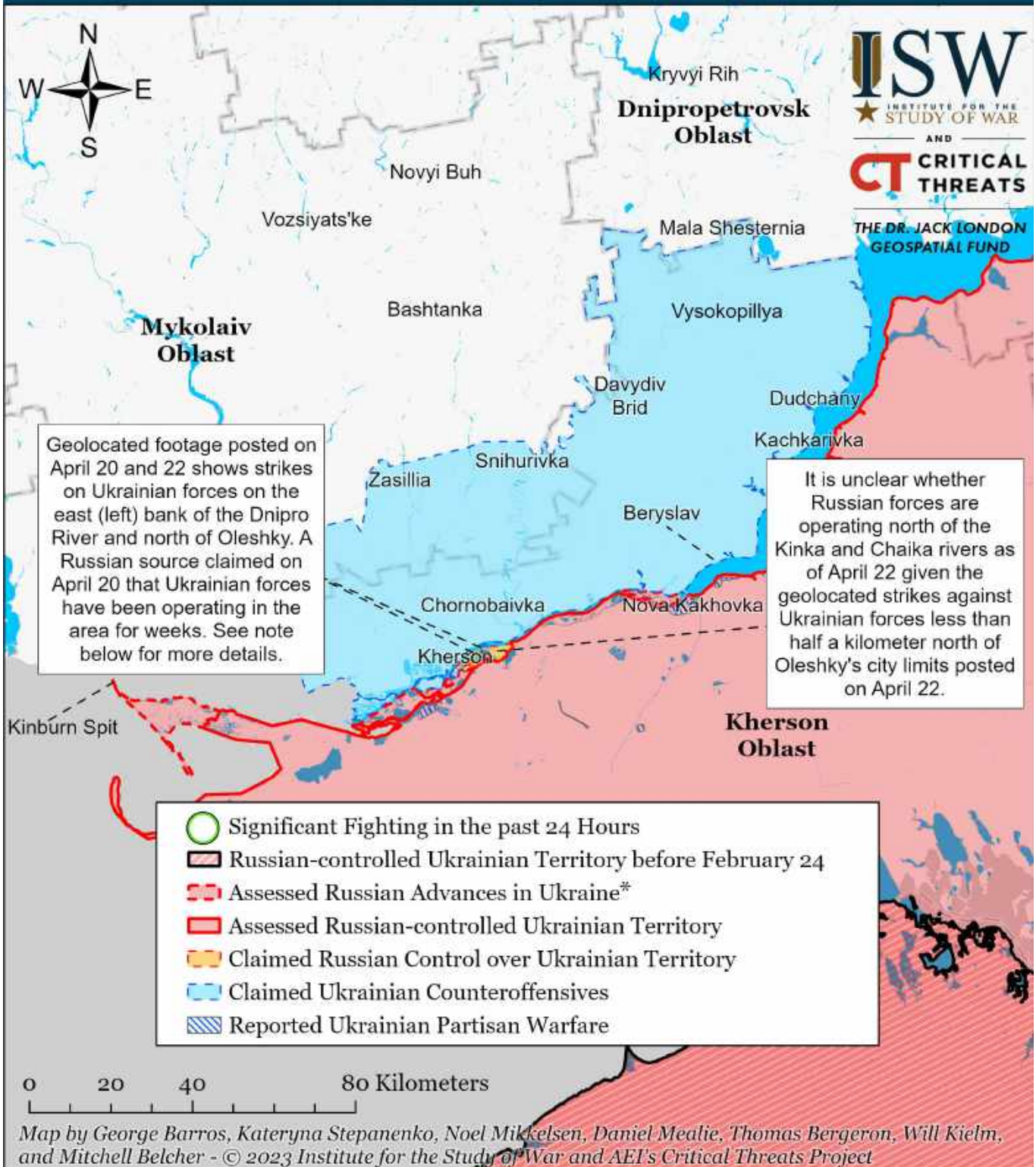
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher  
© 2023 Institute for the Study of War and AEI's Critical Threats Project

- Bakhmut City Limits
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Assessed Russian Advances in Ukraine\*
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of April 22, 2023, 3:00 PM ET



Geolocated footage posted on April 20 and 22 shows strikes on Ukrainian forces on the east (left) bank of the Dnipro River and north of Oleshky. A Russian source claimed on April 20 that Ukrainian forces have been operating in the area for weeks. See note below for more details.

It is unclear whether Russian forces are operating north of the Kinka and Chaika rivers as of April 22 given the geolocated strikes against Ukrainian forces less than half a kilometer north of Oleshky's city limits posted on April 22.

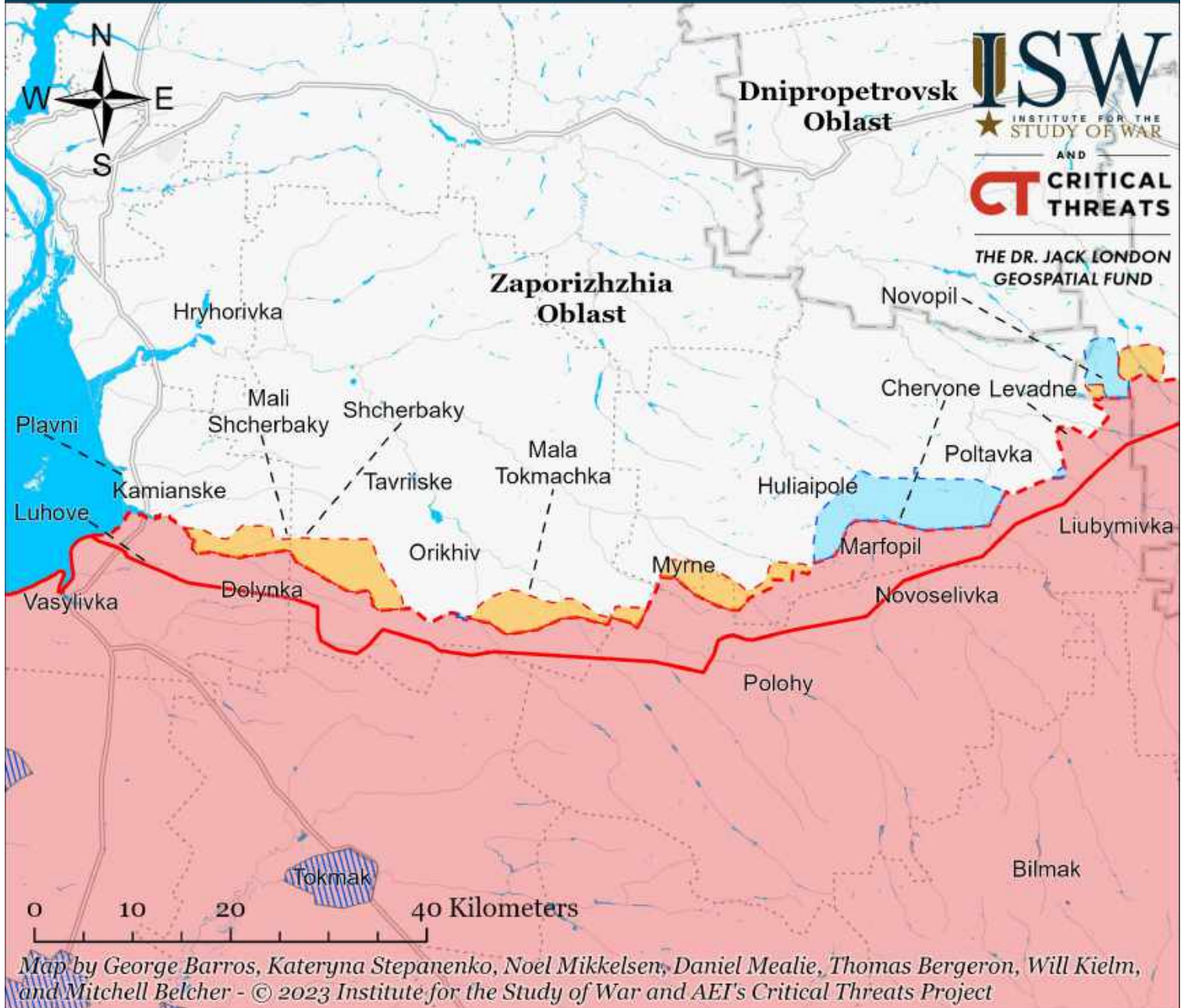
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.

Note: Geolocated footage posted on April 20 and 22 shows Russian forces striking Ukrainian forces on the east (left) bank of the Dnipro River and near the E97 highway less than half a kilometer north of Oleshky's city limits. Russian milbloggers Rybar and "Thirteenth" claimed on April 20 that unspecified Ukrainian forces successfully landed on the left (east) bank of the Dnipro River and established positions west of the Antonivsky bridge, and have established stable supply lines to these positions. Russian milblogger "Thirteenth" claimed on April 20 that Ukrainian forces have been operating in the area for weeks and that Russian forces control an area 1.5 kilometers behind the Antonivsky bridge, but that Ukrainian forces control the rest. It is still unclear whether Russian forces are operating north of the Kinka and Chaika rivers given the geolocated strikes against Ukrainian forces less than half a kilometer north of Oleshky's city limits.



# Assessed Control of Terrain Around Zaporizhzhia as of April 22, 2023, 3:00 PM ET



- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Ukraine and Main Russian Maneuver Axes as of April 21, 2023, 3:00 PM ET

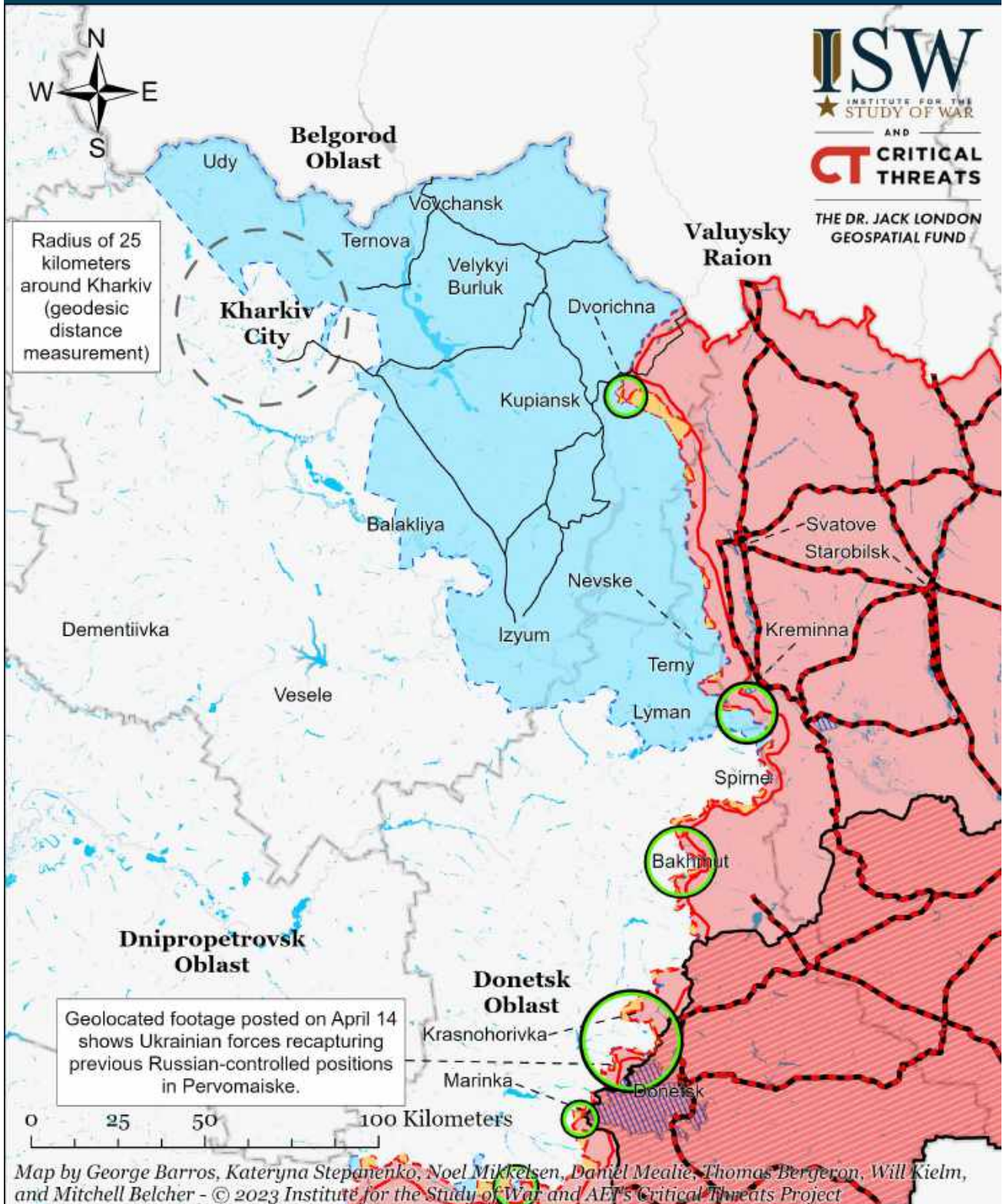


Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kharkiv as of April 21, 2023, 3:00 PM ET

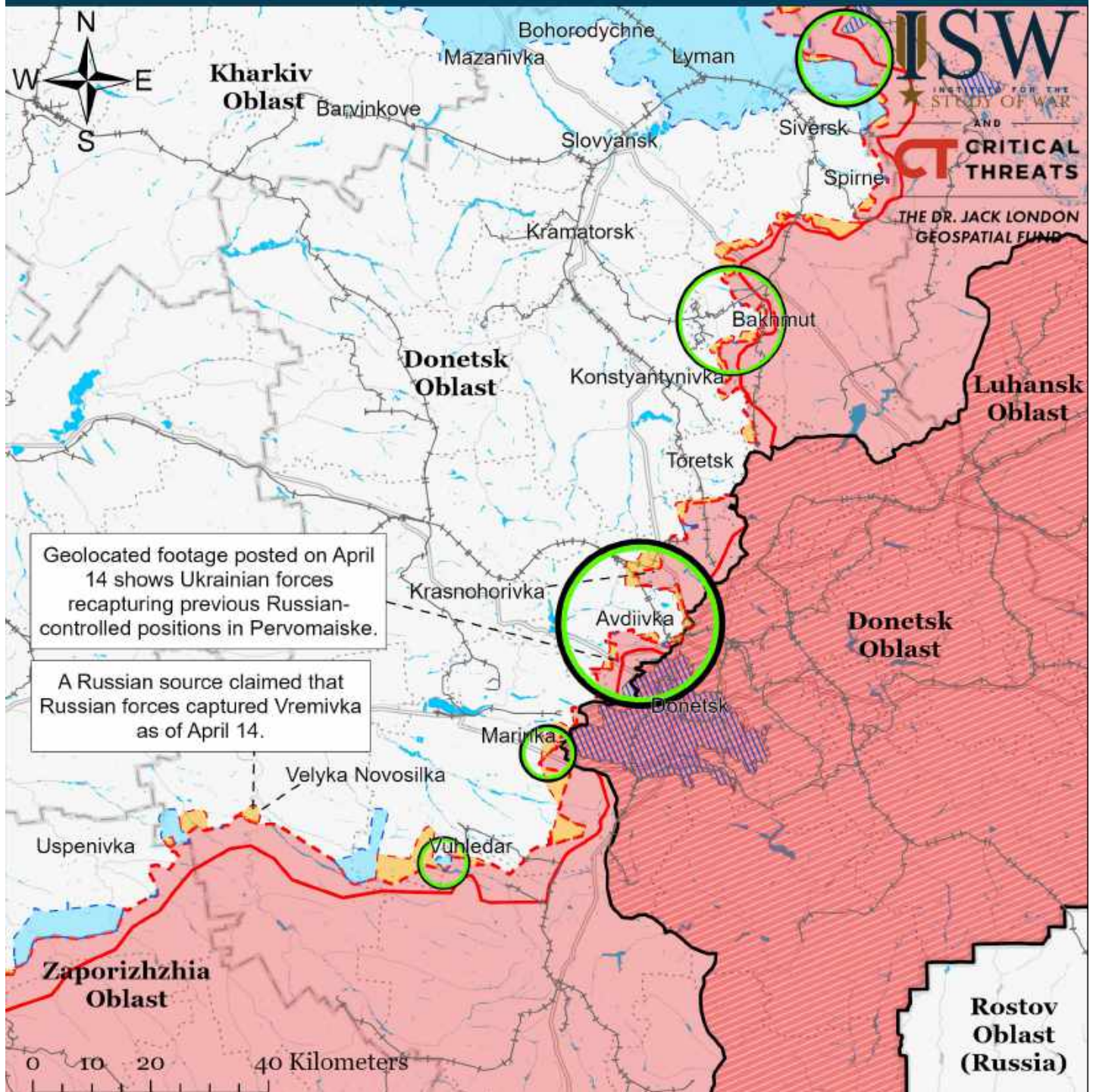


- |   |   |  |
|---|---|--|
| Significant Fighting in the past 24 Hours | Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory |
| Key Ukrainian Roads                       | Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |
| Russian Ground Lines of Communication     | Assessed Russian-controlled Ukrainian Territory           | Reported Ukrainian Partisan Warfare              |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Donetsk as of April 21, 2023, 3:00 PM ET



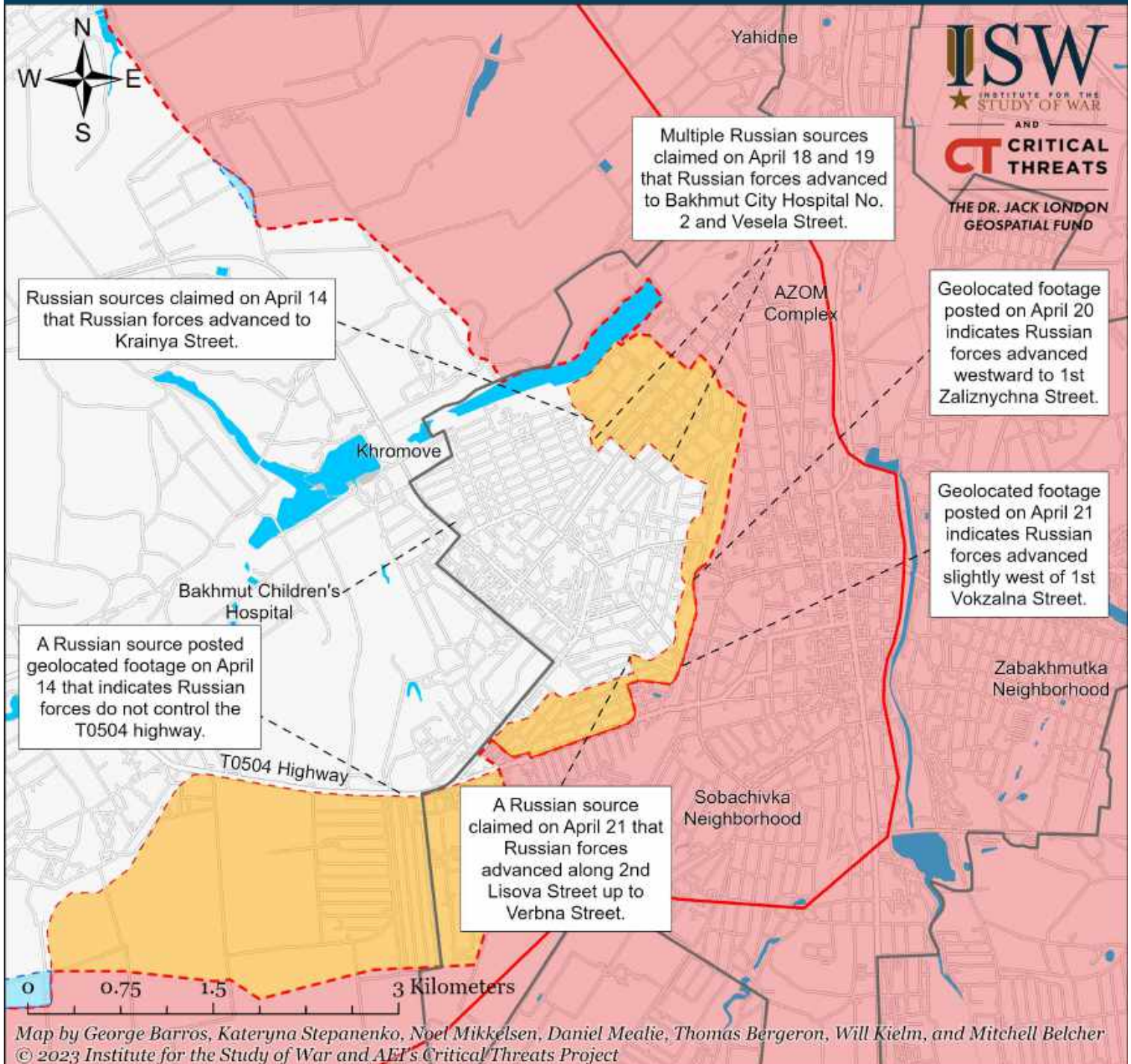
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

- |   |  |                                     |
|---|--|-------------------------------------|
| Significant Fighting in the past 24 Hours                 | Assessed Russian-controlled Ukrainian Territory  | Major Railroads                     |
| Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory | Reported Ukrainian Partisan Warfare |
| Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |                                     |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Bakhmut as of April 21, 2023, 3:00 PM ET



Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher  
 © 2023 Institute for the Study of War and AEI's Critical Threats Project

- |                                       |  |                                     |
|---------------------------------------|--|-------------------------------------|
| Bakhmut City Limits                   | Assessed Russian-controlled Ukrainian Territory  | Claimed Ukrainian Counteroffensives |
| Assessed Russian Advances in Ukraine* | Claimed Russian Control over Ukrainian Territory | Reported Ukrainian Partisan Warfare |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



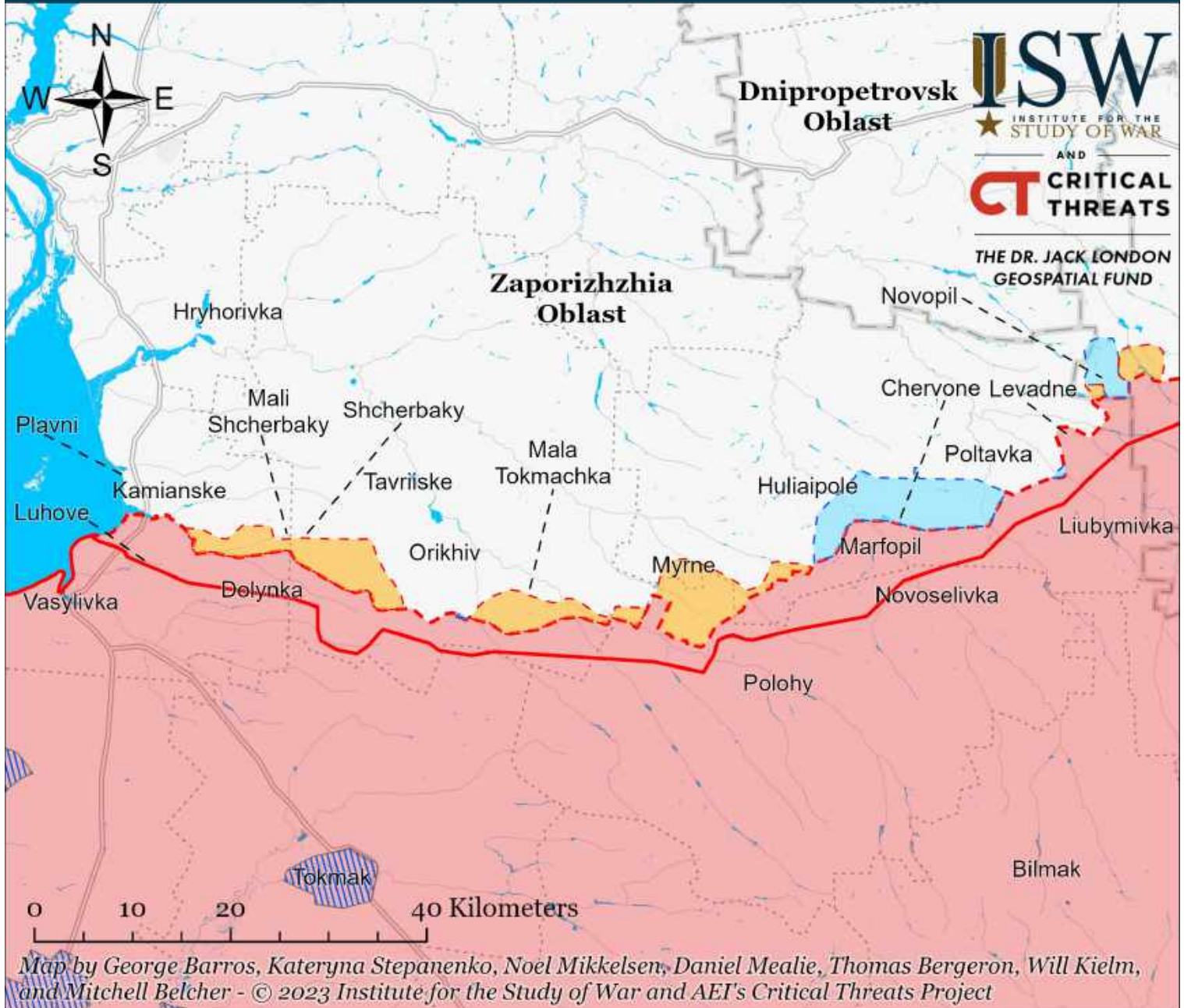
# Assessed Control of Terrain Around Kherson and Mykolaiv as of April 21, 2023, 3:00 PM ET



\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Zaporizhzhia as of April 21, 2023, 3:00 PM ET



- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Reported Ukrainian Partisan Warfare
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Ukraine and Main Russian Maneuver Axes as of April 20, 2023, 3:00 PM ET

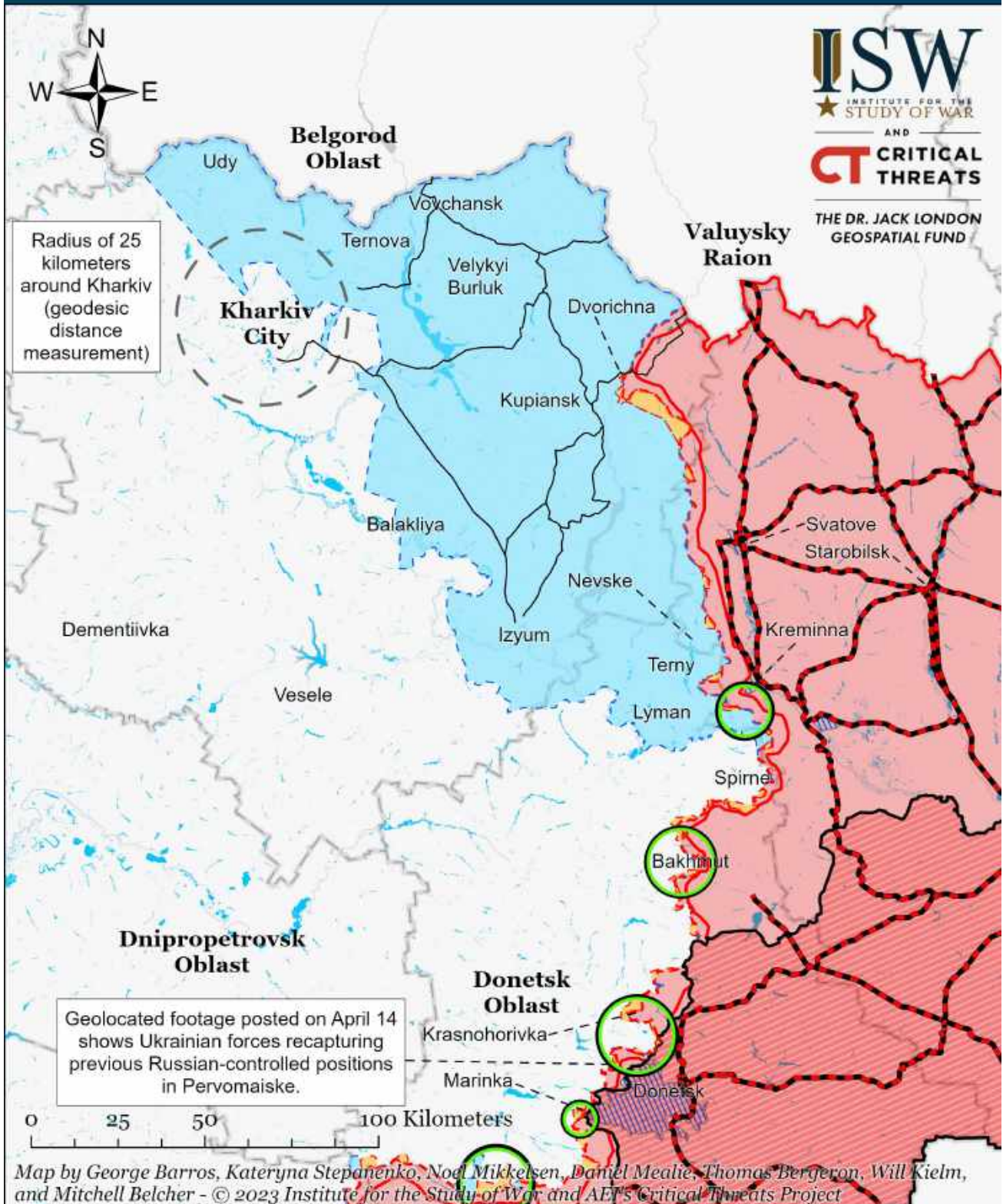


Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kharkiv as of April 20, 2023, 3:00 PM ET



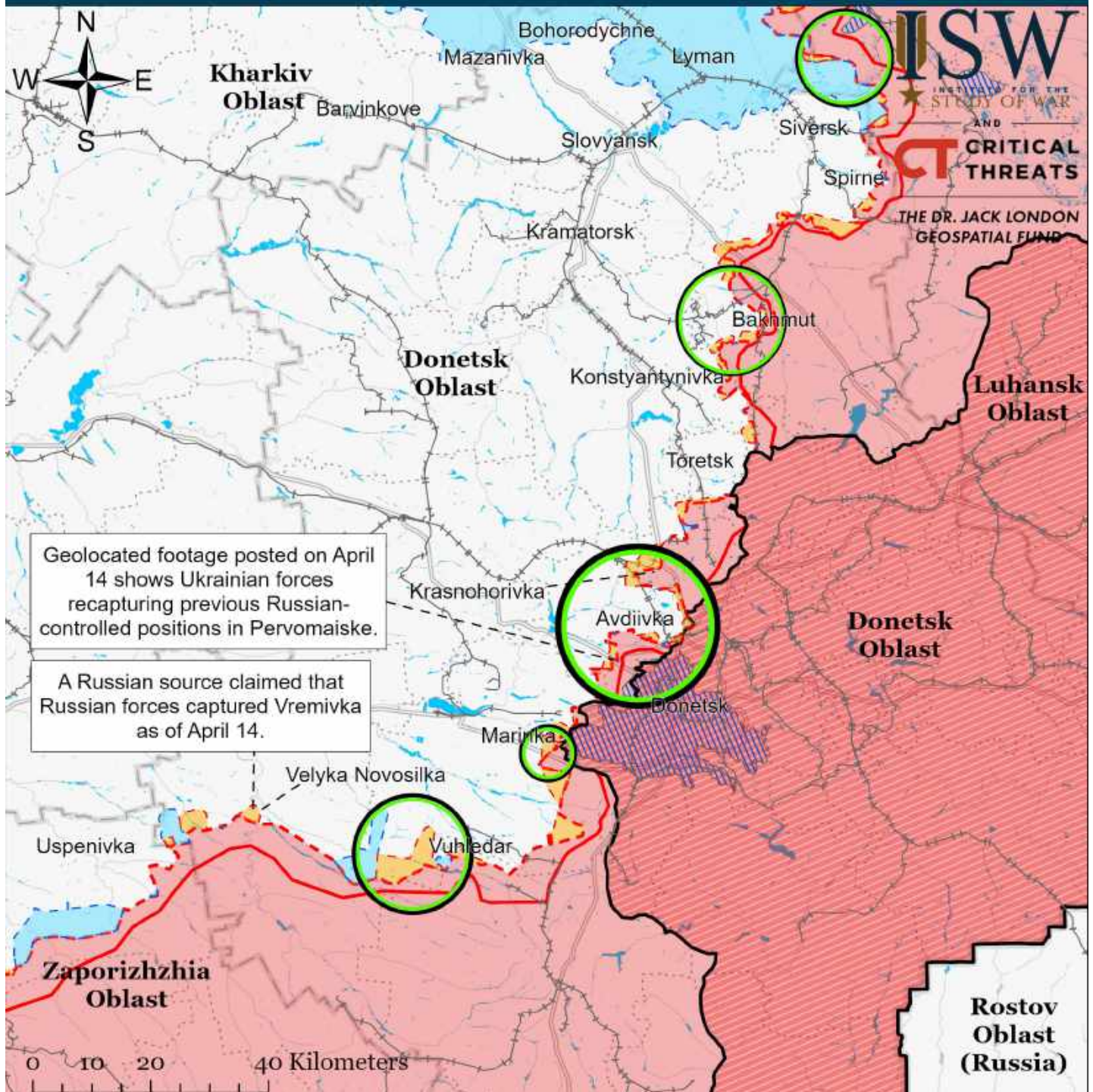
Map by George Barros, Kateryna Stepanenko, Nod Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiehl, and Mitchell Belcher - © 2023 Institute for the Study of War and AET's Critical Threats Project

- |   |   |  |
|---|---|--|
| Significant Fighting in the past 24 Hours | Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory |
| Key Ukrainian Roads                       | Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |
| Russian Ground Lines of Communication     | Assessed Russian-controlled Ukrainian Territory           | Reported Ukrainian Partisan Warfare              |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Donetsk as of April 20, 2023, 3:00 PM ET



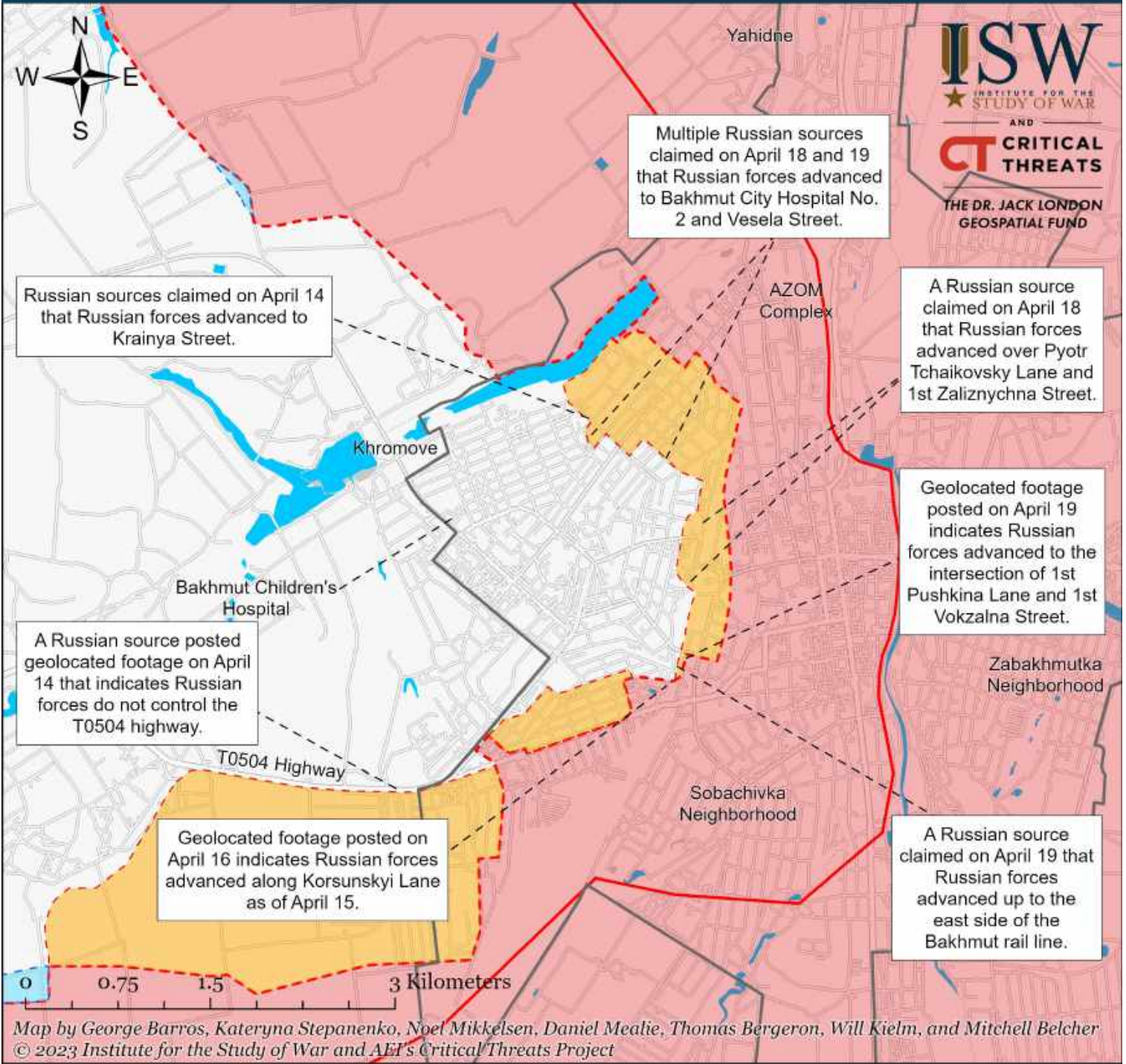
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiern, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives
- Major Railroads
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Bakhmut as of April 20, 2023, 3:00 PM ET



Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiehm, and Mitchell Belcher  
 © 2023 Institute for the Study of War and AEI's Critical Threats Project

- |                                       |  |                                     |
|---------------------------------------|--|-------------------------------------|
| Bakhmut City Limits                   | Assessed Russian-controlled Ukrainian Territory  | Claimed Ukrainian Counteroffensives |
| Assessed Russian Advances in Ukraine* | Claimed Russian Control over Ukrainian Territory | Reported Ukrainian Partisan Warfare |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



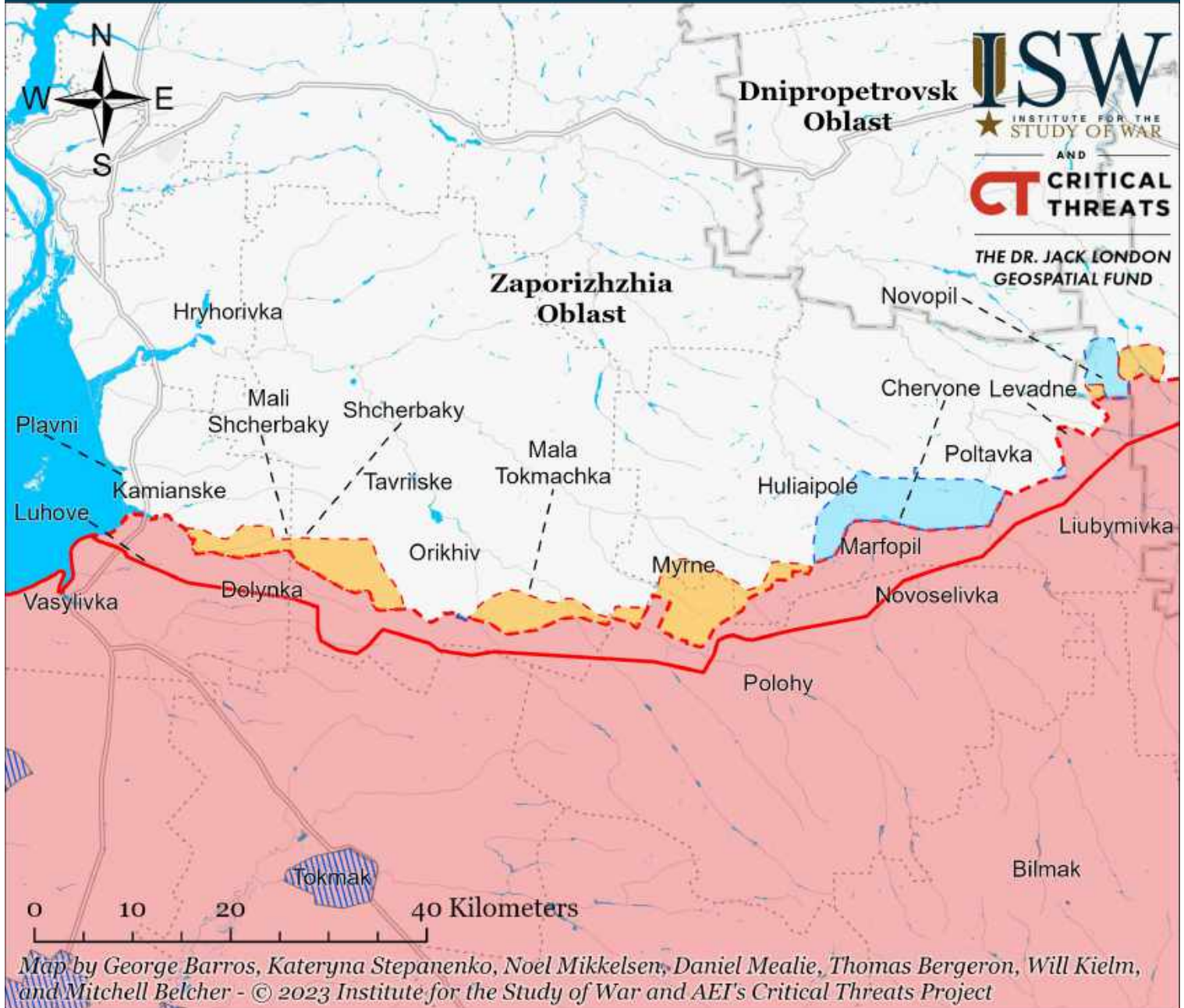
# Assessed Control of Terrain Around Kherson and Mykolaiv as of April 20, 2023, 3:00 PM ET



\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Zaporizhzhia as of April 20, 2023, 3:00 PM ET



- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Reported Ukrainian Partisan Warfare
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Ukraine and Main Russian Maneuver Axes as of April 19, 2023, 3:00 PM ET

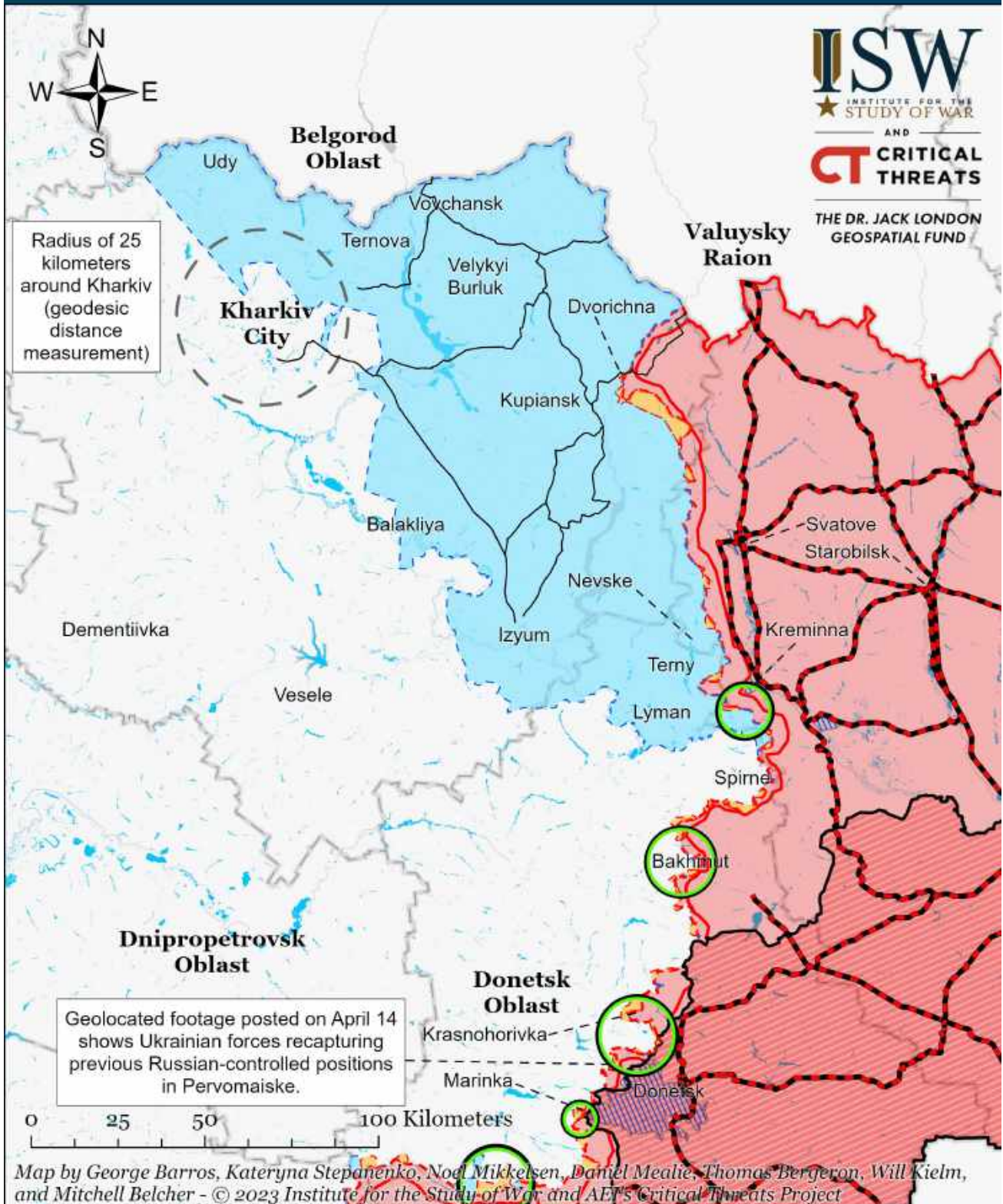


Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kharkiv as of April 19, 2023, 3:00 PM ET



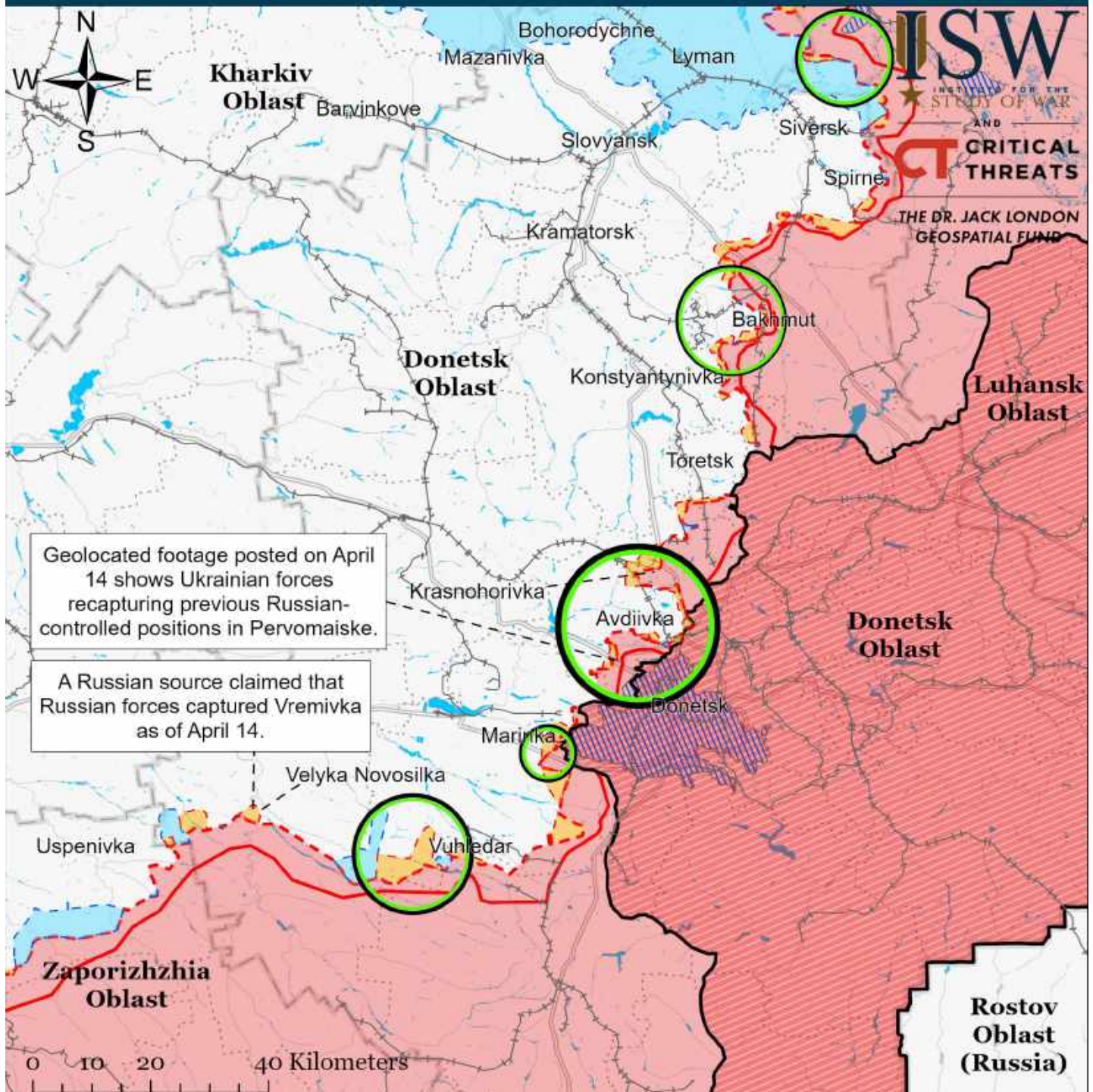
Map by George Barros, Kateryna Stepanenko, Nod Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiehl, and Mitchell Belcher - © 2023 Institute for the Study of War and AET's Critical Threats Project

- |   |   |  |
|---|---|--|
| Significant Fighting in the past 24 Hours | Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory |
| Key Ukrainian Roads                       | Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |
| Russian Ground Lines of Communication     | Assessed Russian-controlled Ukrainian Territory           | Reported Ukrainian Partisan Warfare              |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Donetsk as of April 19, 2023, 3:00 PM ET



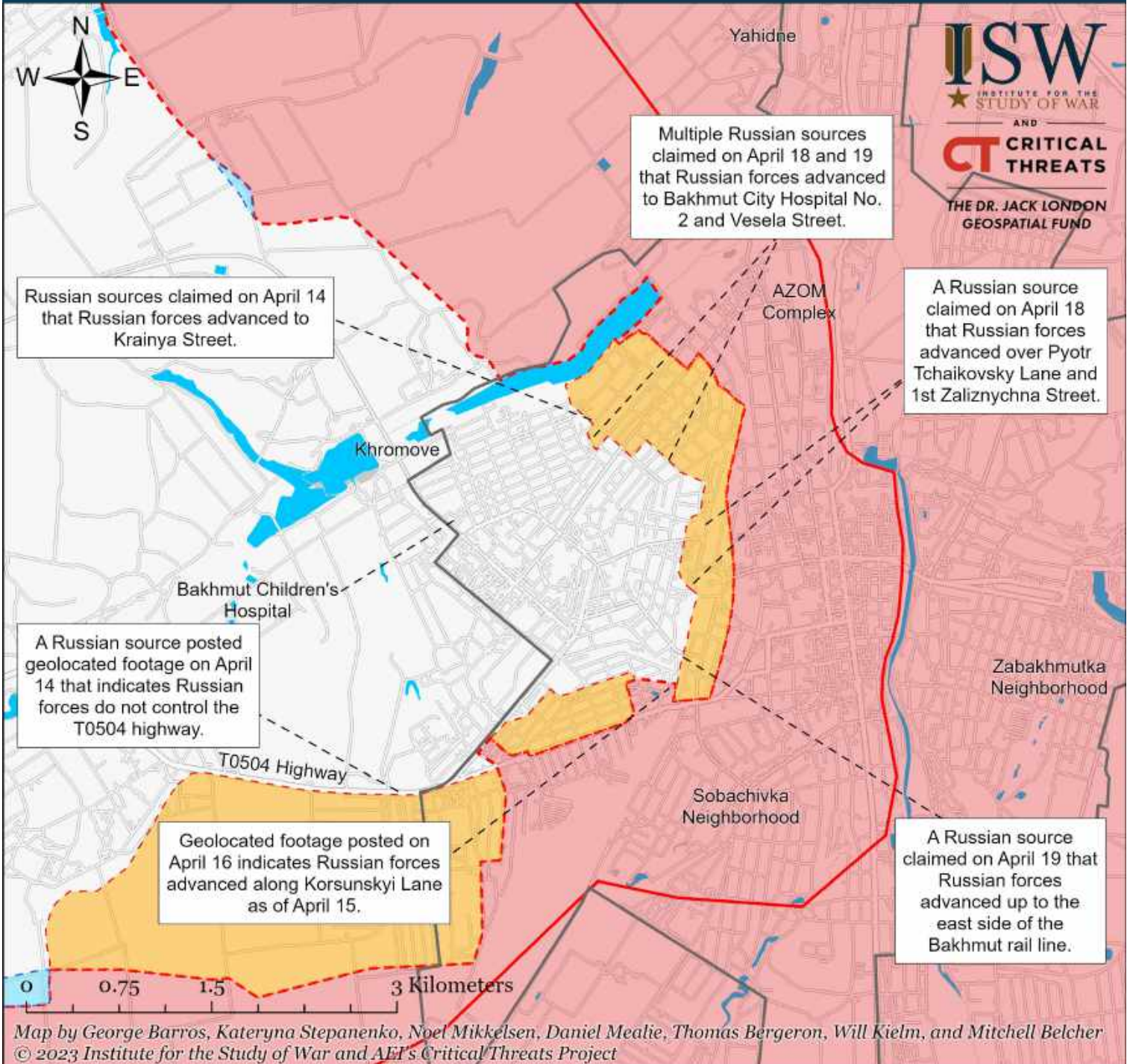
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiern, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

- |   |  |                                     |
|---|--|-------------------------------------|
| Significant Fighting in the past 24 Hours                 | Assessed Russian-controlled Ukrainian Territory  | Major Railroads                     |
| Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory | Reported Ukrainian Partisan Warfare |
| Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |                                     |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Bakhmut as of April 19, 2023, 3:00 PM ET



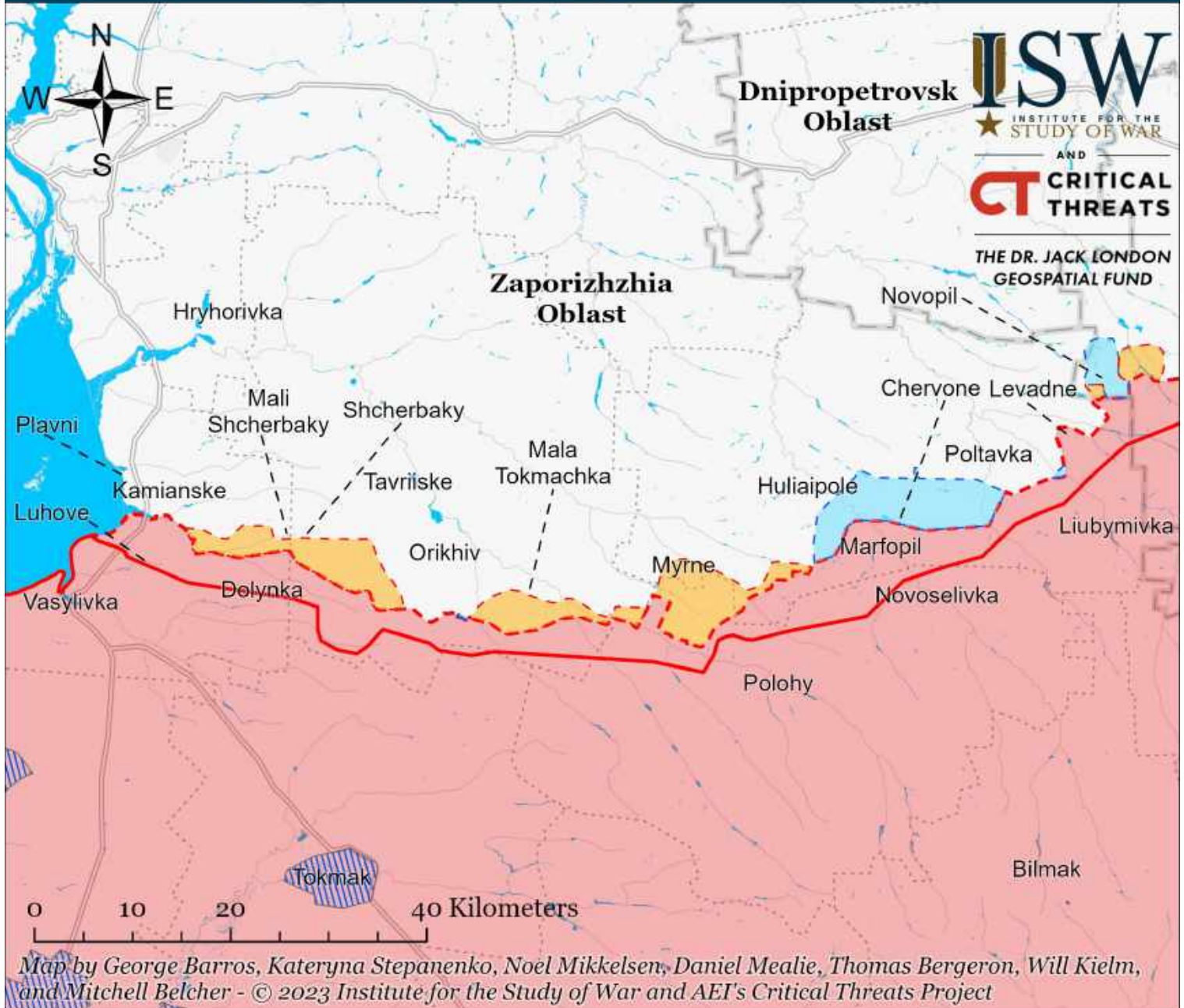
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kielm, and Mitchell Belcher  
 © 2023 Institute for the Study of War and AEI's Critical Threats Project

- |                                       |  |                                     |
|---------------------------------------|--|-------------------------------------|
| Bakhmut City Limits                   | Assessed Russian-controlled Ukrainian Territory  | Claimed Ukrainian Counteroffensives |
| Assessed Russian Advances in Ukraine* | Claimed Russian Control over Ukrainian Territory | Reported Ukrainian Partisan Warfare |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Zaporizhzhia as of April 19, 2023, 3:00 PM ET



- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of April 19, 2023, 3:00 PM ET



\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Ukraine and Main Russian Maneuver Axes as of April 18, 2023, 3:00 PM ET

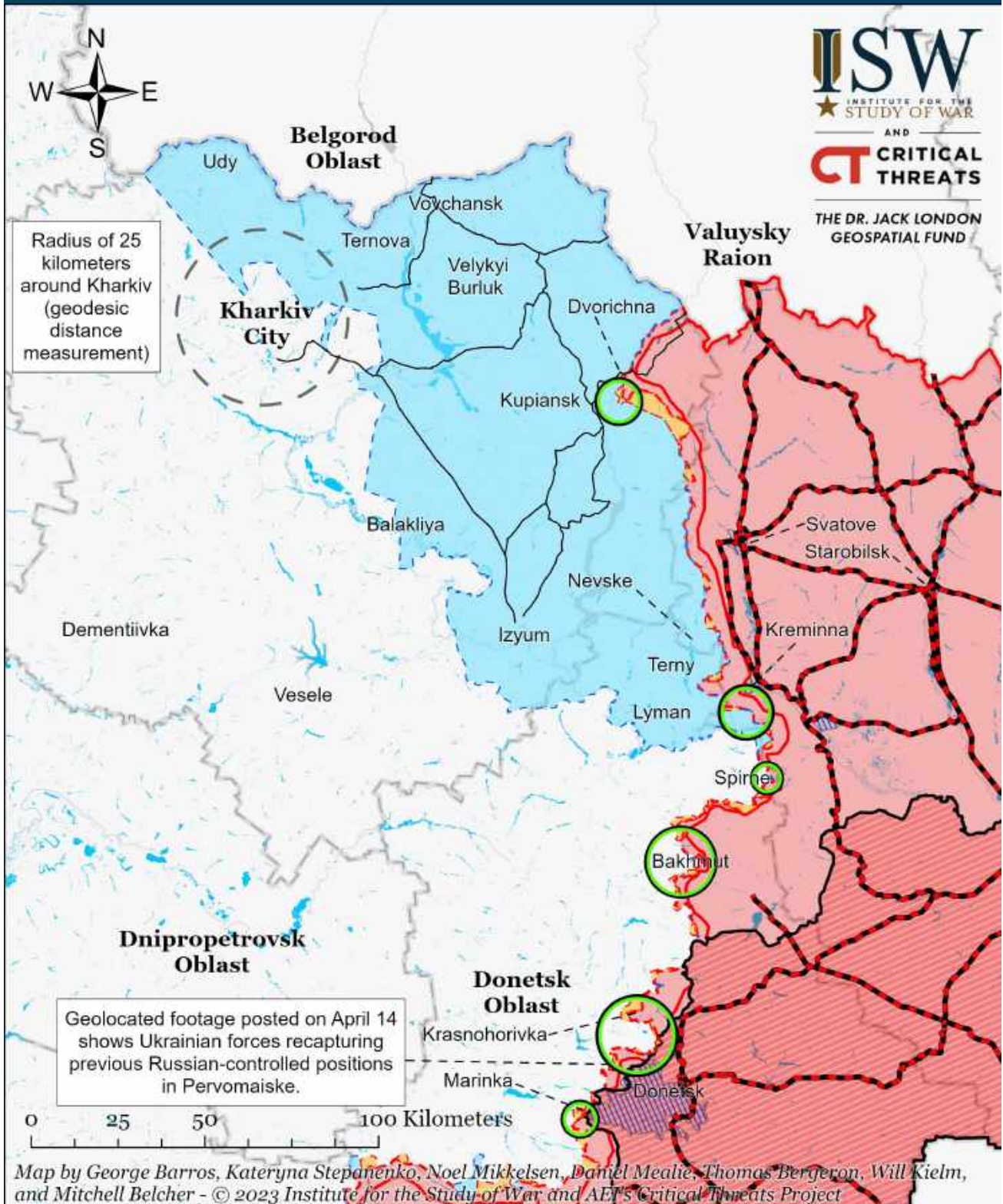


Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiehl, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kharkiv as of April 18, 2023, 3:00 PM ET

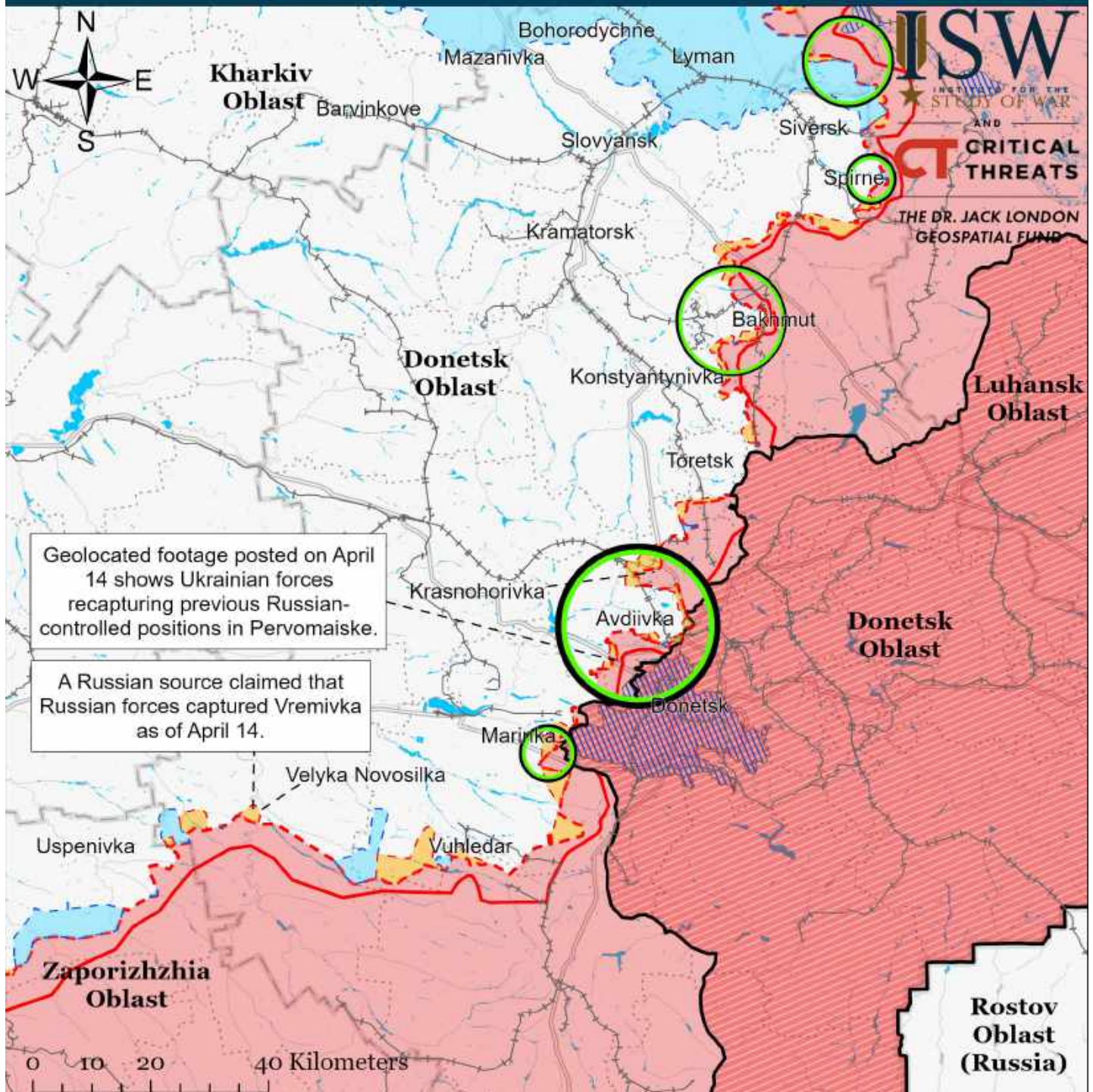


- |   |   |  |
|---|---|--|
| Significant Fighting in the past 24 Hours | Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory |
| Key Ukrainian Roads                       | Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |
| Russian Ground Lines of Communication     | Assessed Russian-controlled Ukrainian Territory           | Reported Ukrainian Partisan Warfare              |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Donetsk as of April 18, 2023, 3:00 PM ET



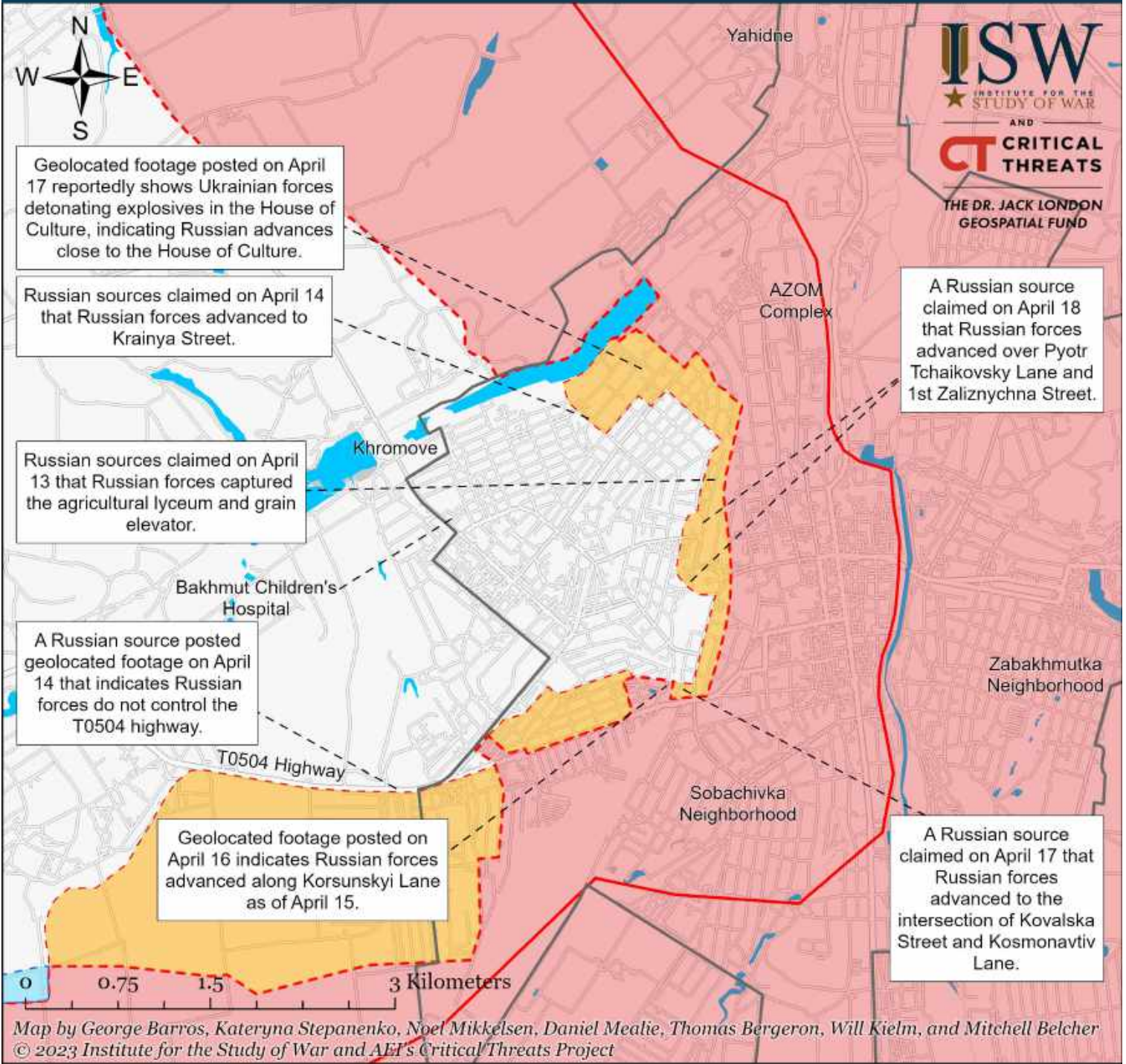
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiern, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

- |   |  |                                     |
|---|--|-------------------------------------|
| Significant Fighting in the past 24 Hours                 | Assessed Russian-controlled Ukrainian Territory  | Major Railroads                     |
| Russian-controlled Ukrainian Territory before February 24 | Claimed Russian Control over Ukrainian Territory | Reported Ukrainian Partisan Warfare |
| Assessed Russian Advances in Ukraine*                     | Claimed Ukrainian Counteroffensives              |                                     |

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain in Bakhmut as of April 18, 2023, 3:00 PM ET

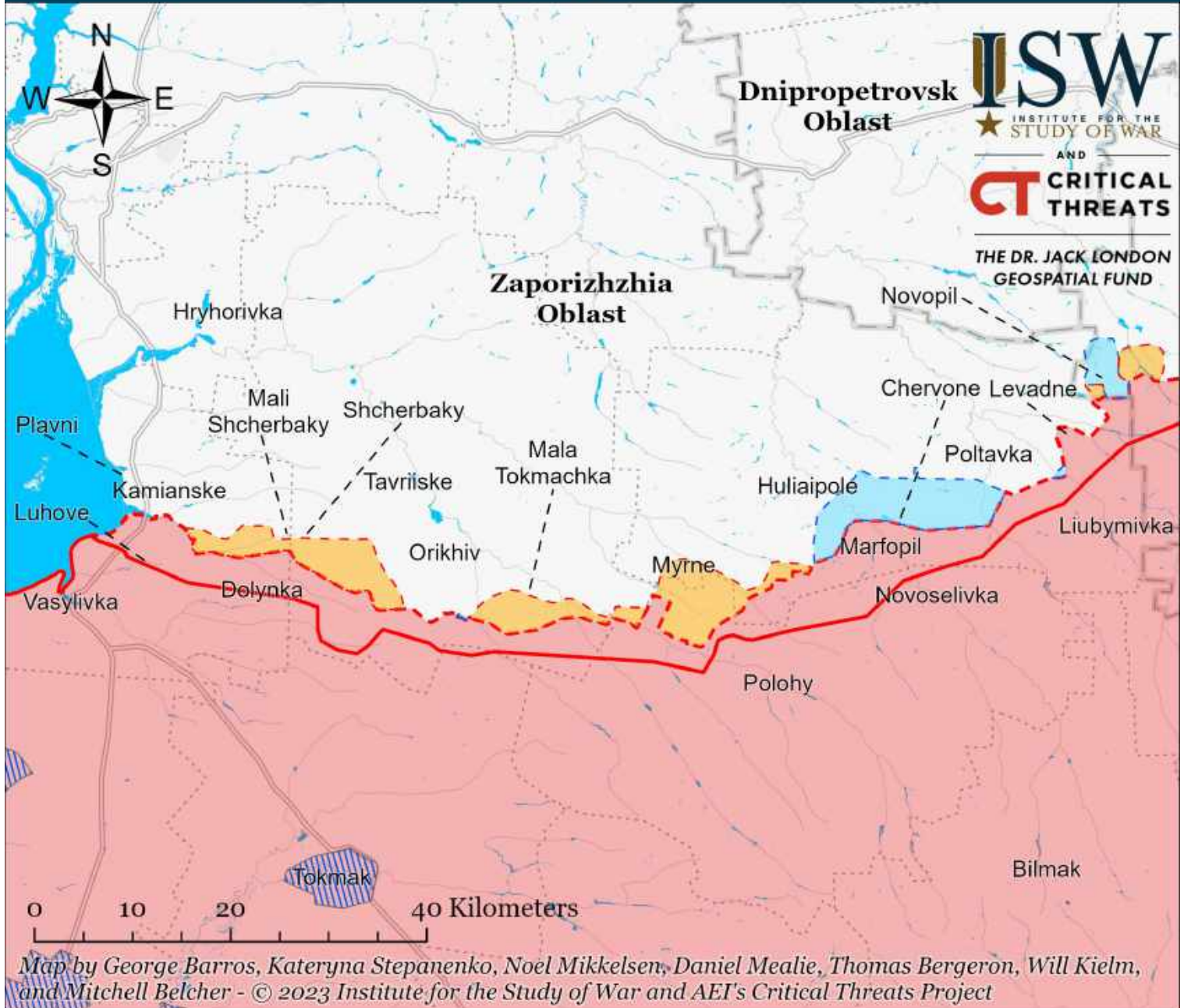


- Bakhmut City Limits
- Assessed Russian-controlled Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Reported Ukrainian Partisan Warfare

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Zaporizhzhia as of April 18, 2023, 3:00 PM ET



- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Reported Ukrainian Partisan Warfare
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives

\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of April 18, 2023, 3:00 PM ET



\* Assessed Russian advances are areas where ISW assesses Russian forces have operated in or launched attacks against but do not control.