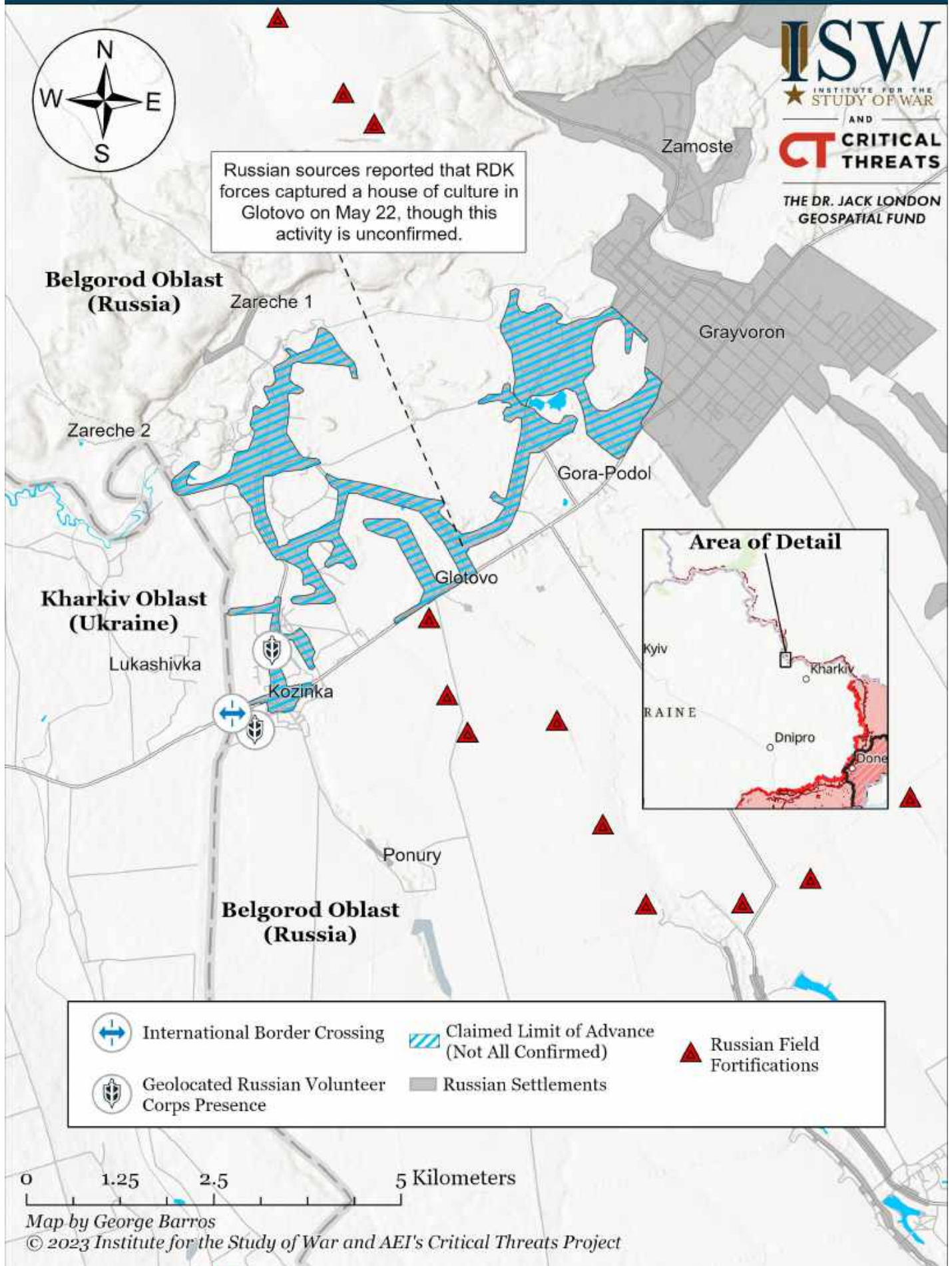


# Russian Volunteer Corps (RDK) Raid into Belgorod Oblast as of May 22, 2023. 3:00 PM ET



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



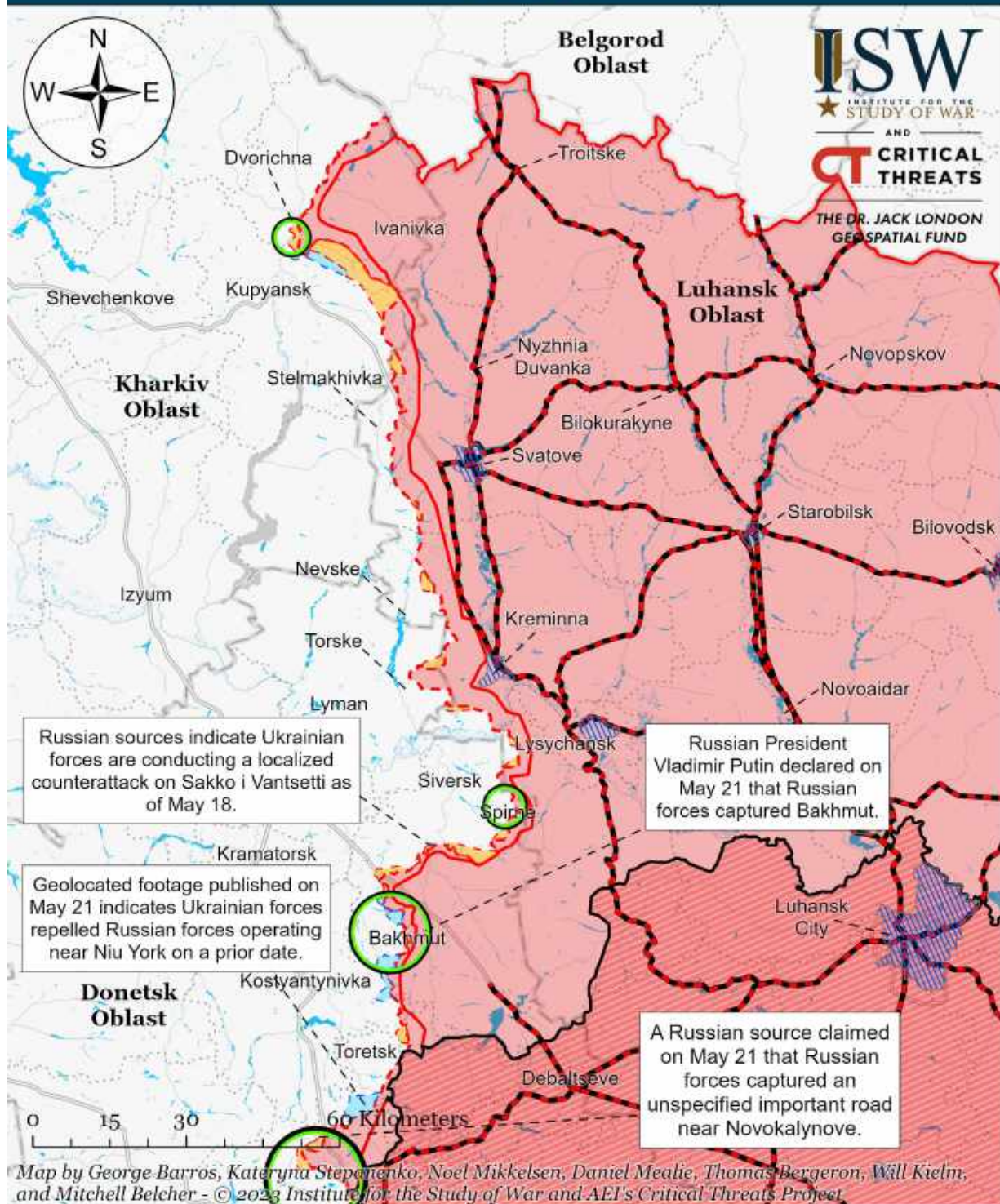
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiellm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Luhansk Oblast as of May 22, 2023, 3:00 PM ET



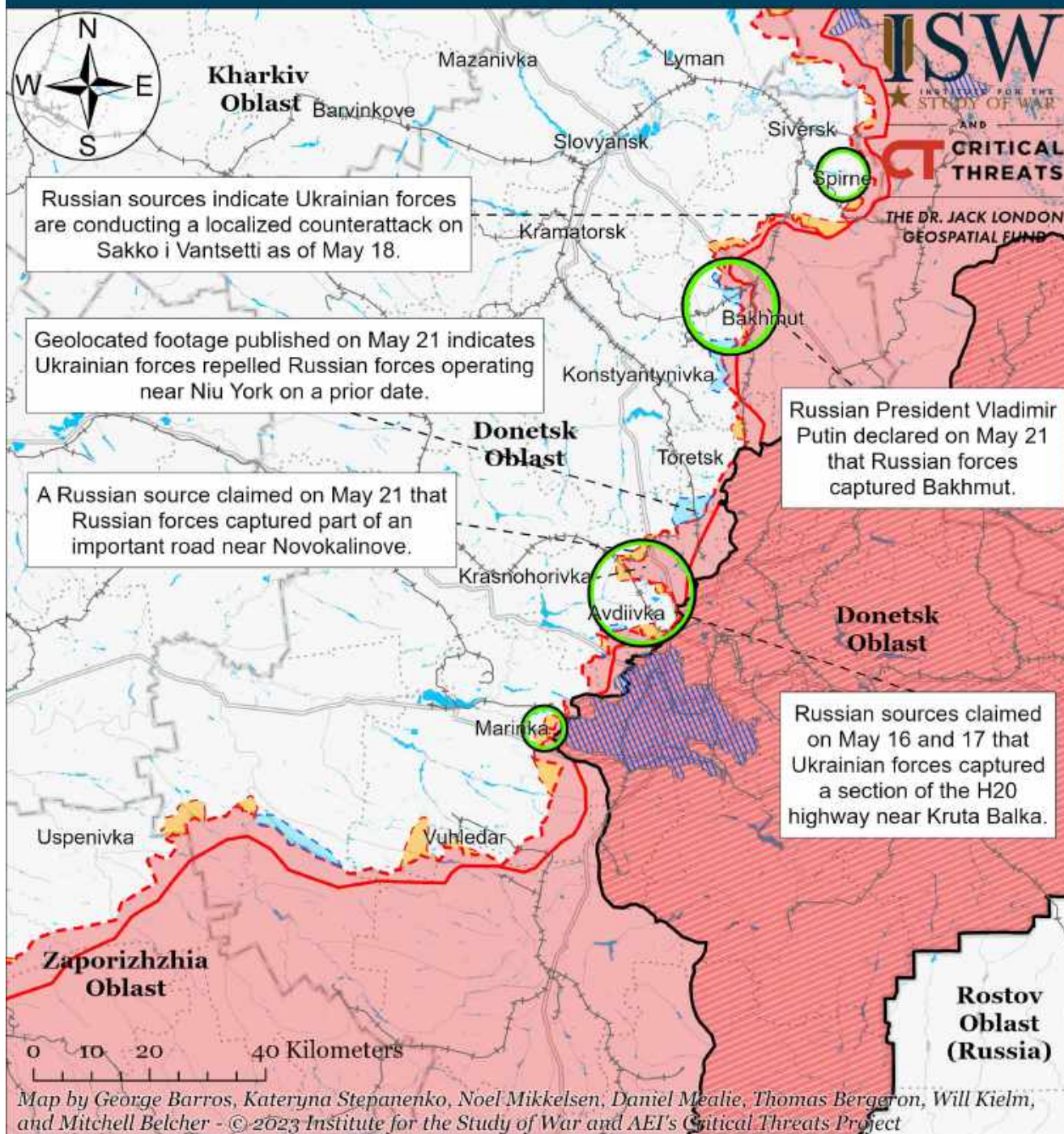
- Significant Fighting in the past 24 Hours
- Russian Ground Lines of Communication
- ▬ Russian-controlled Ukrainian Territory before February 24
- Assessed Russian Advances in Ukraine\*
- ▬ Assessed Russian-controlled Ukrainian Territory
- ▬ Claimed Russian Control over Ukrainian Territory
- Claimed 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



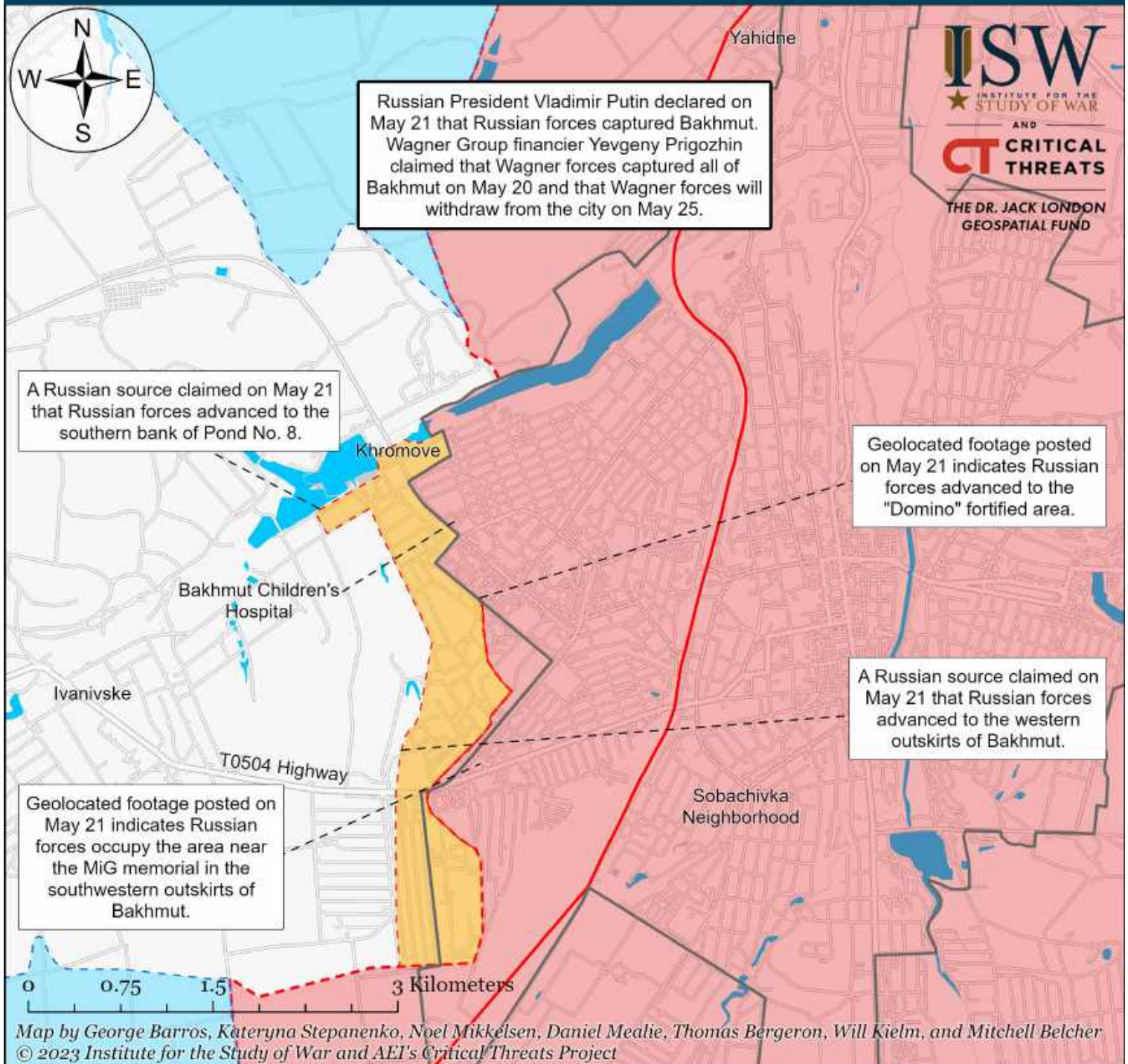
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Russian-controlled Ukrainian Territory before February 24
- Claimed Ukrainian Counteroffensives
- Assessed Russian Advances in Ukraine\*
- Major Railroads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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



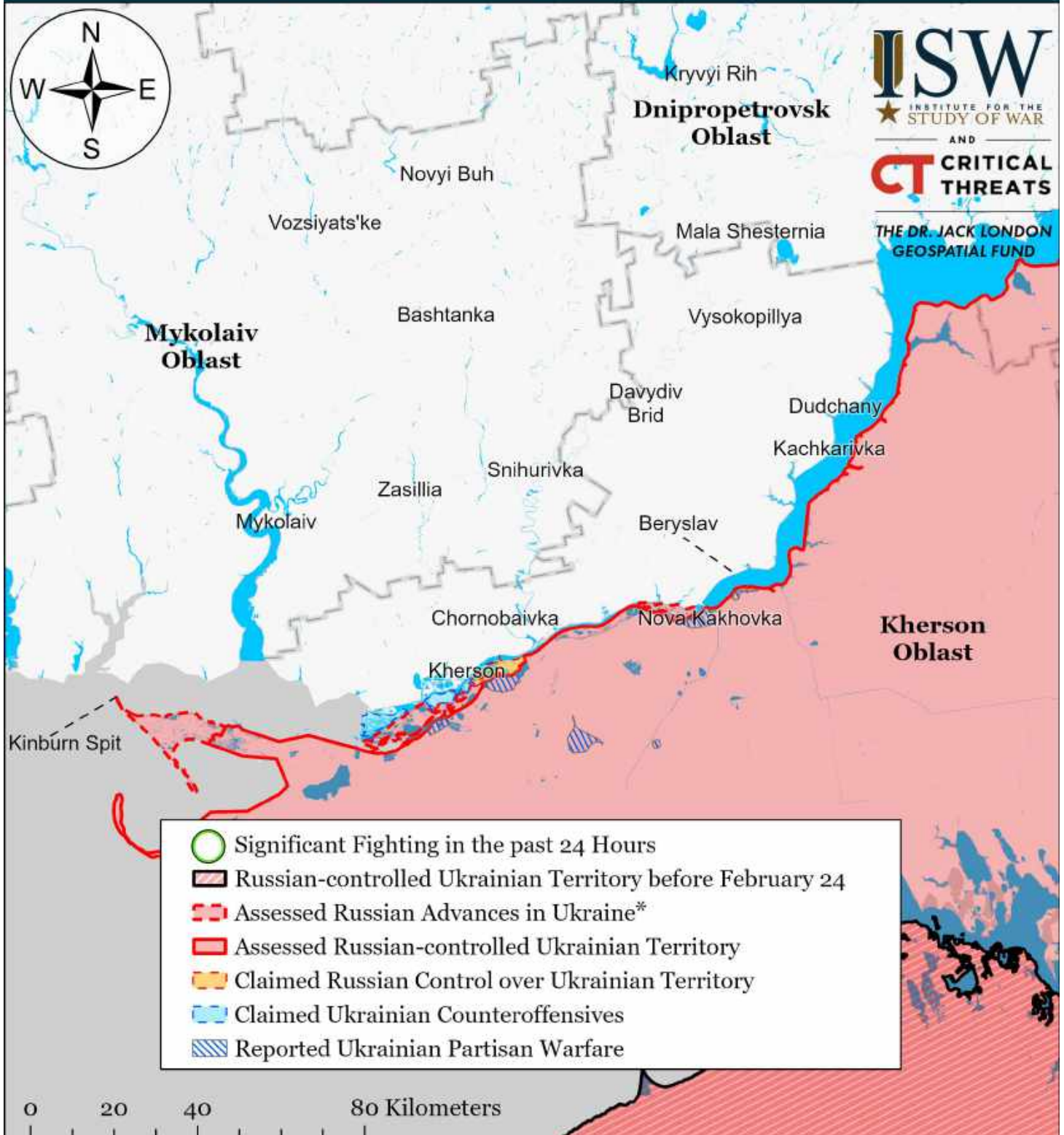
- Bakhmut City Limits
- Assessed Russian-controlled Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Assessed Russian Advances in Ukraine\*
- Claimed Russian Control over Ukrainian Territory
- Reported Ukrainian Partisan Warfare

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



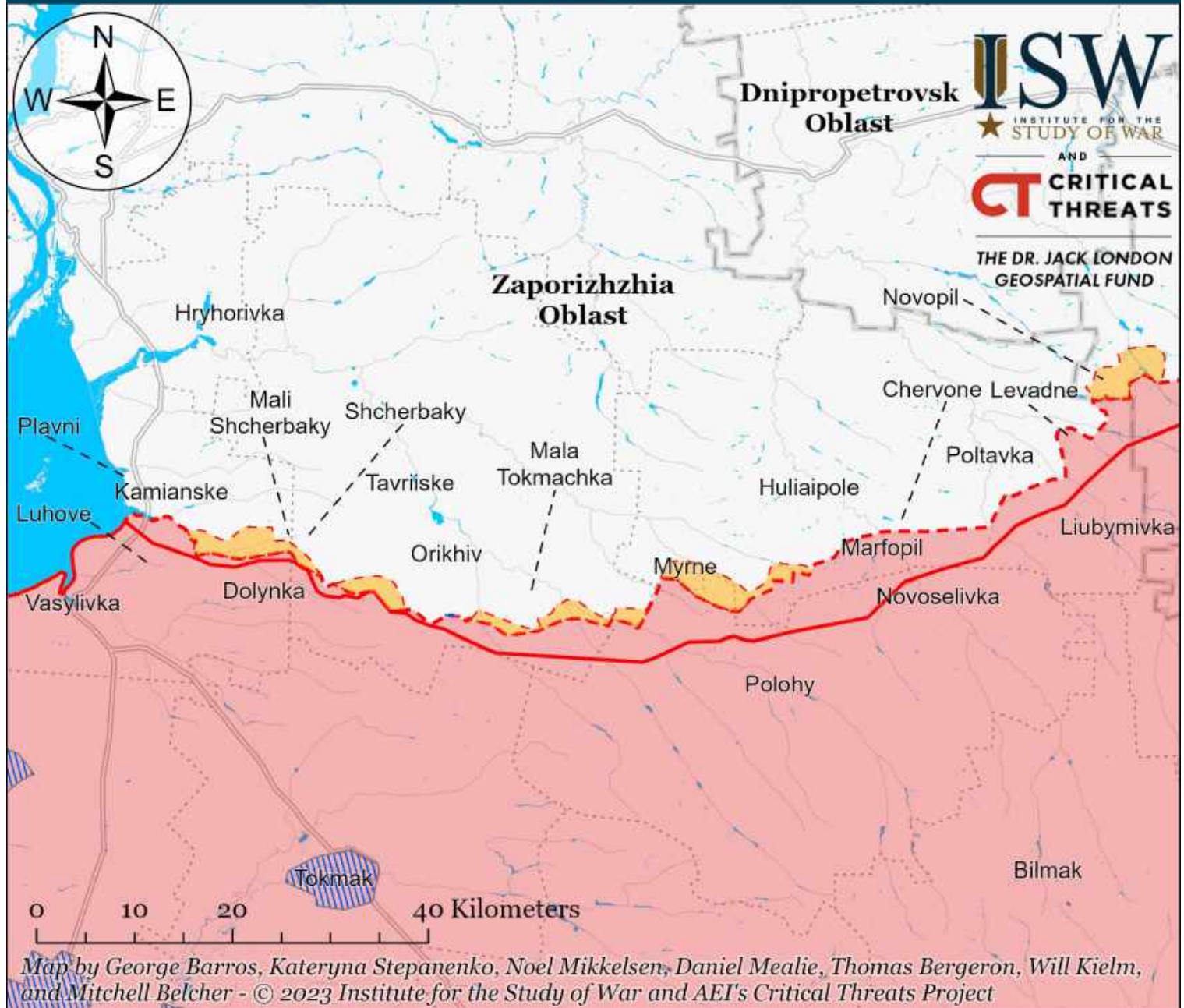
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiern, and Mitchell Belcher - © 2023 Institute for the Study of War and AET's Critical Threats Project

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Zaporizhia as of May 22, 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



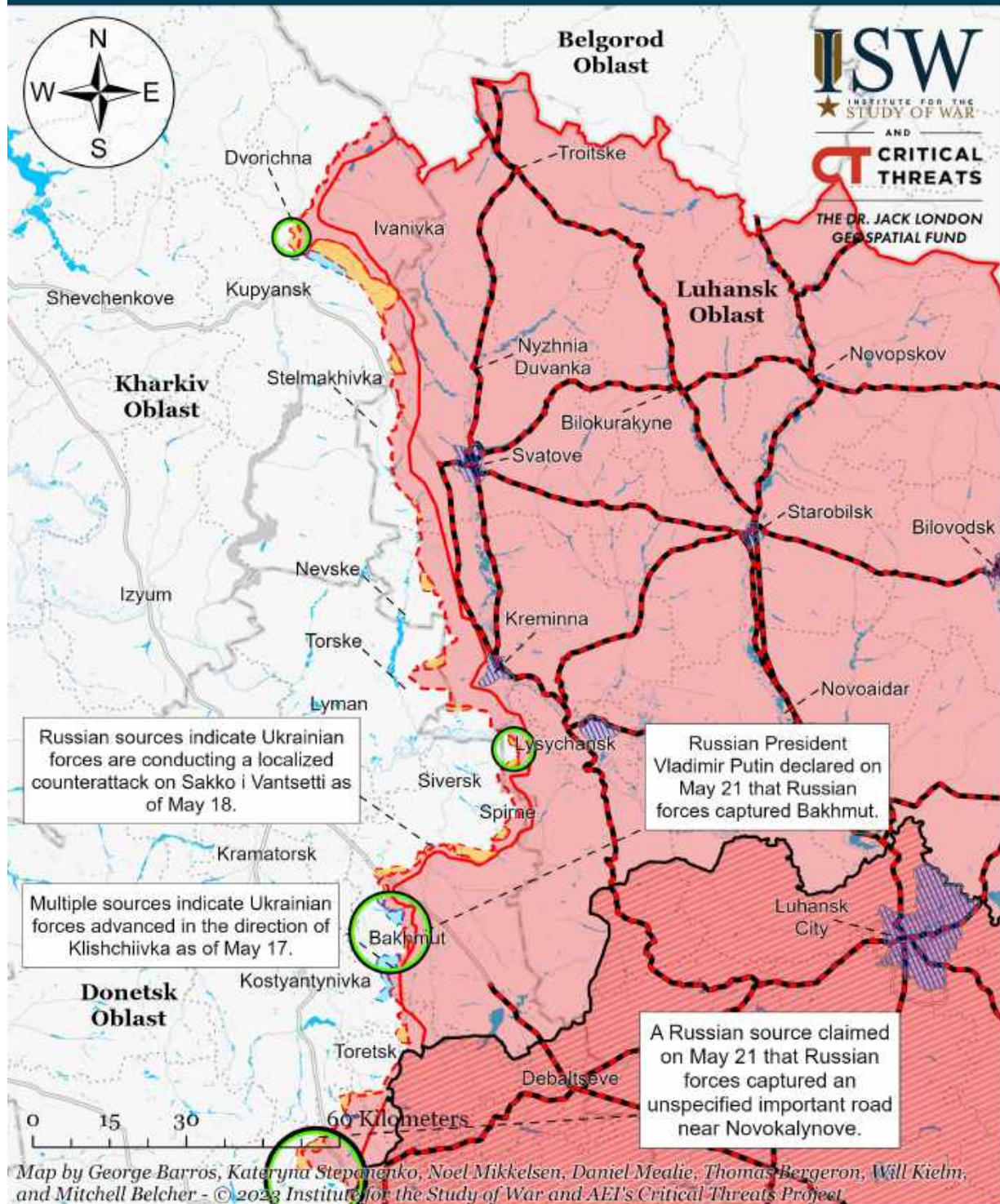
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiellm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Luhansk Oblast as of May 21, 2023, 3:00 PM ET



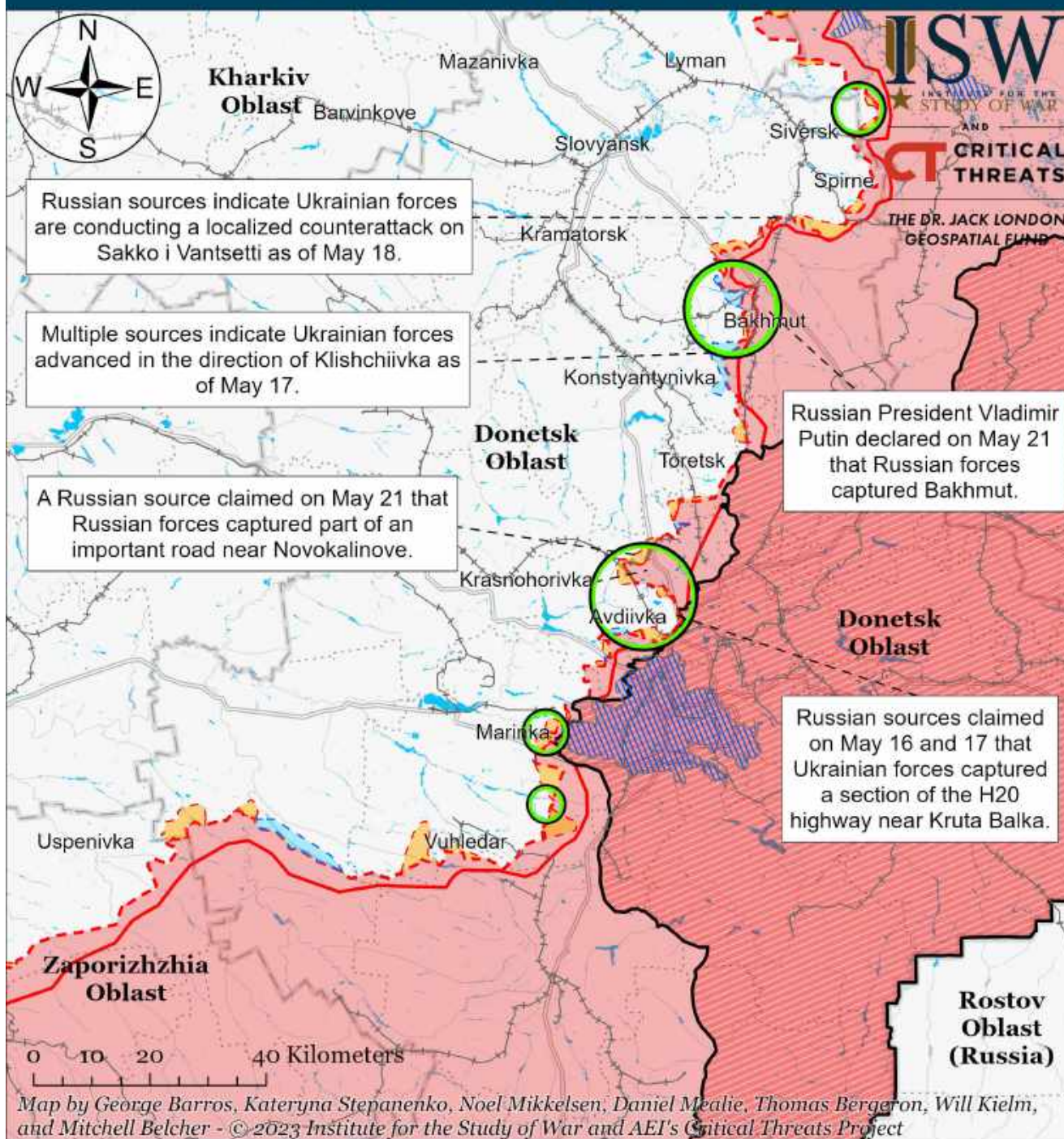
- Significant Fighting in the past 24 Hours
- Russian Ground Lines of Communication
- Russian-controlled Ukrainian Territory before February 24
- Assessed Russian Advances in Ukraine\*
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



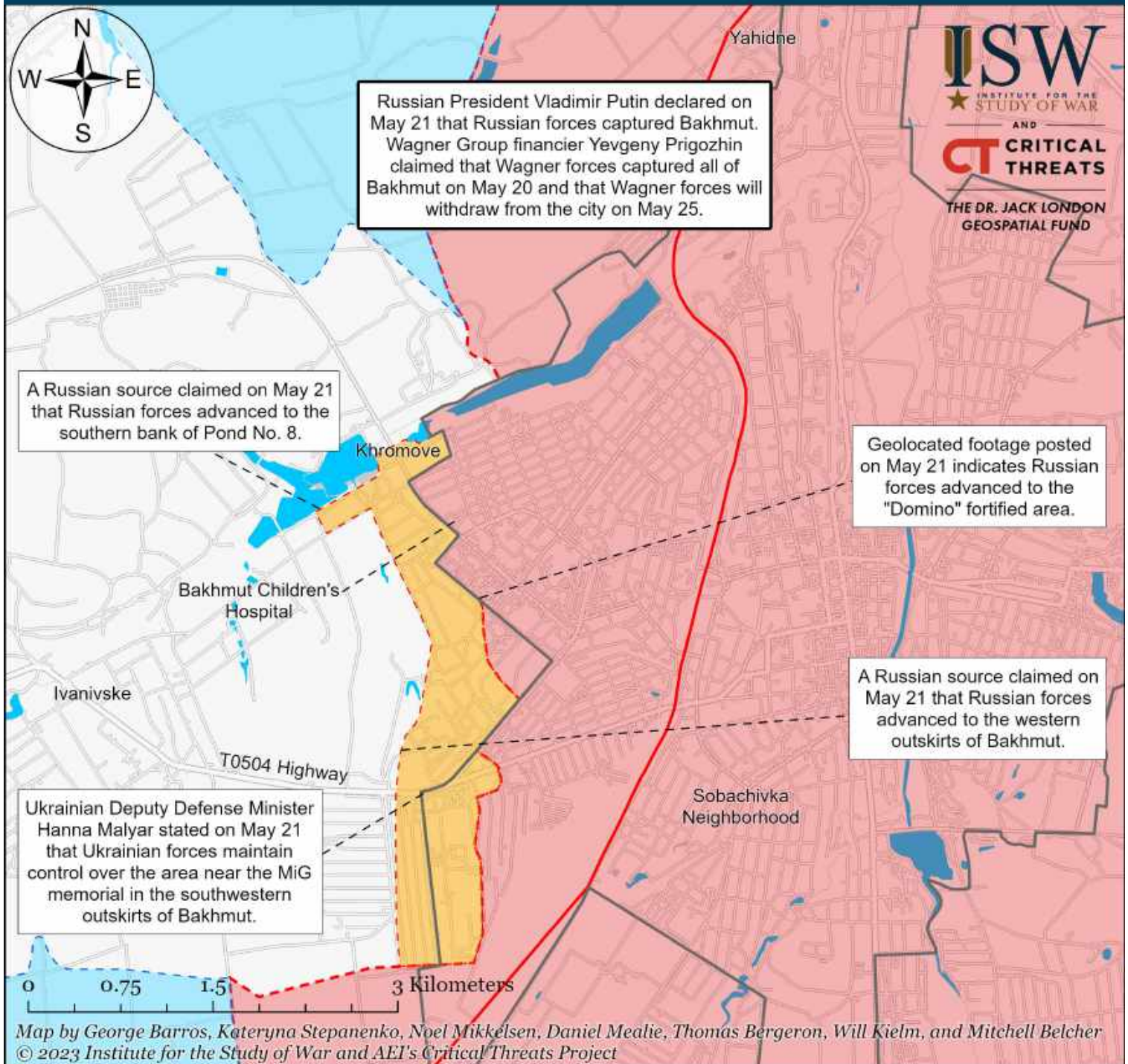
- |   |  |                                     |
|---|--|-------------------------------------|
| Significant Fighting in the past 24 Hours                 | Assessed Russian-controlled Ukrainian Territory  | Major Railroads                     |
| Russian-controlled Ukrainian Territory before February 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



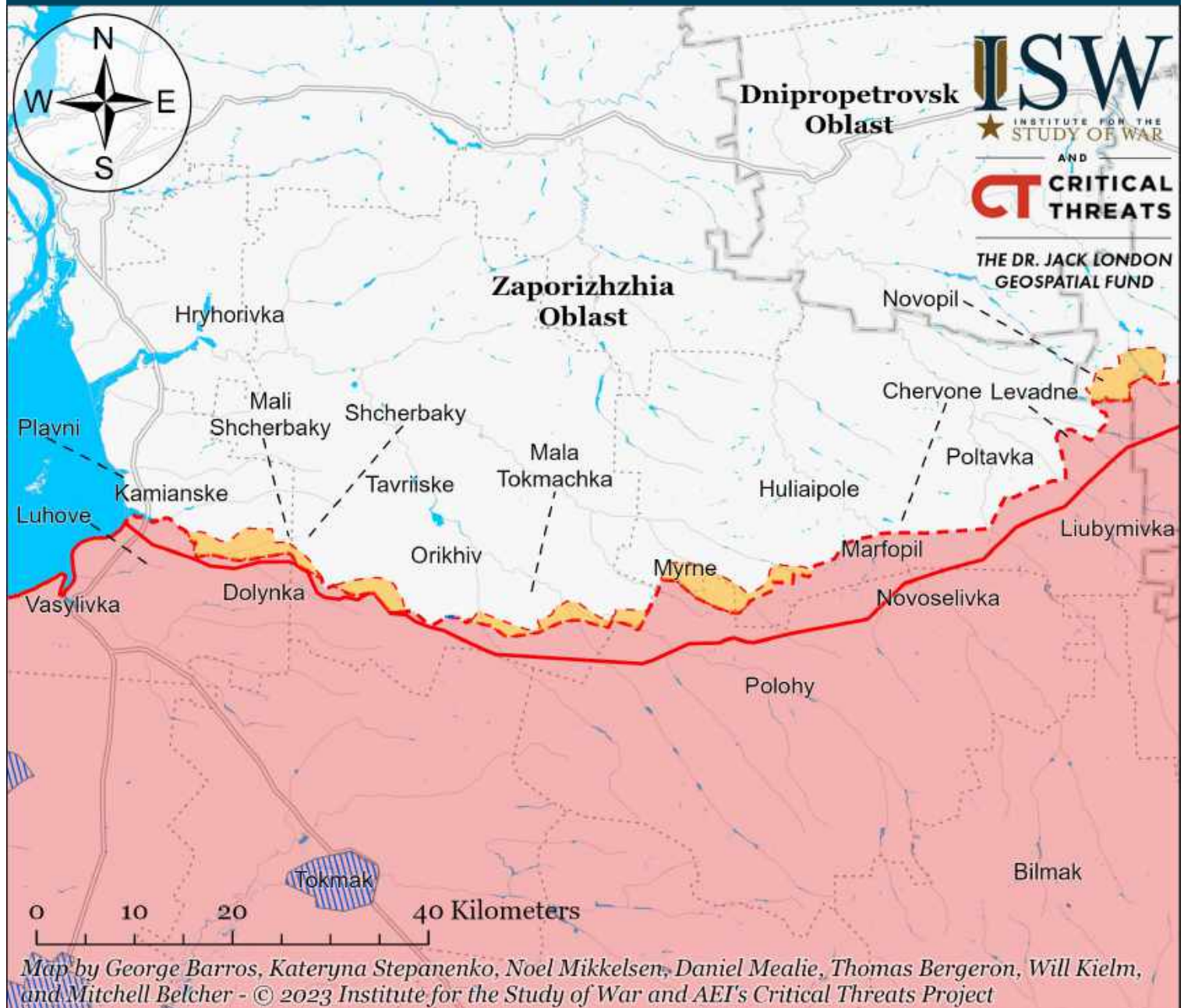
- |                                       |  |                                     |
|---------------------------------------|--|-------------------------------------|
| Bakhmut City Limits                   | Assessed Russian-controlled Ukrainian Territory  | Claimed Ukrainian Counteroffensives |
| 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Zaporizhia as of May 21, 2023, 3:00 PM ET



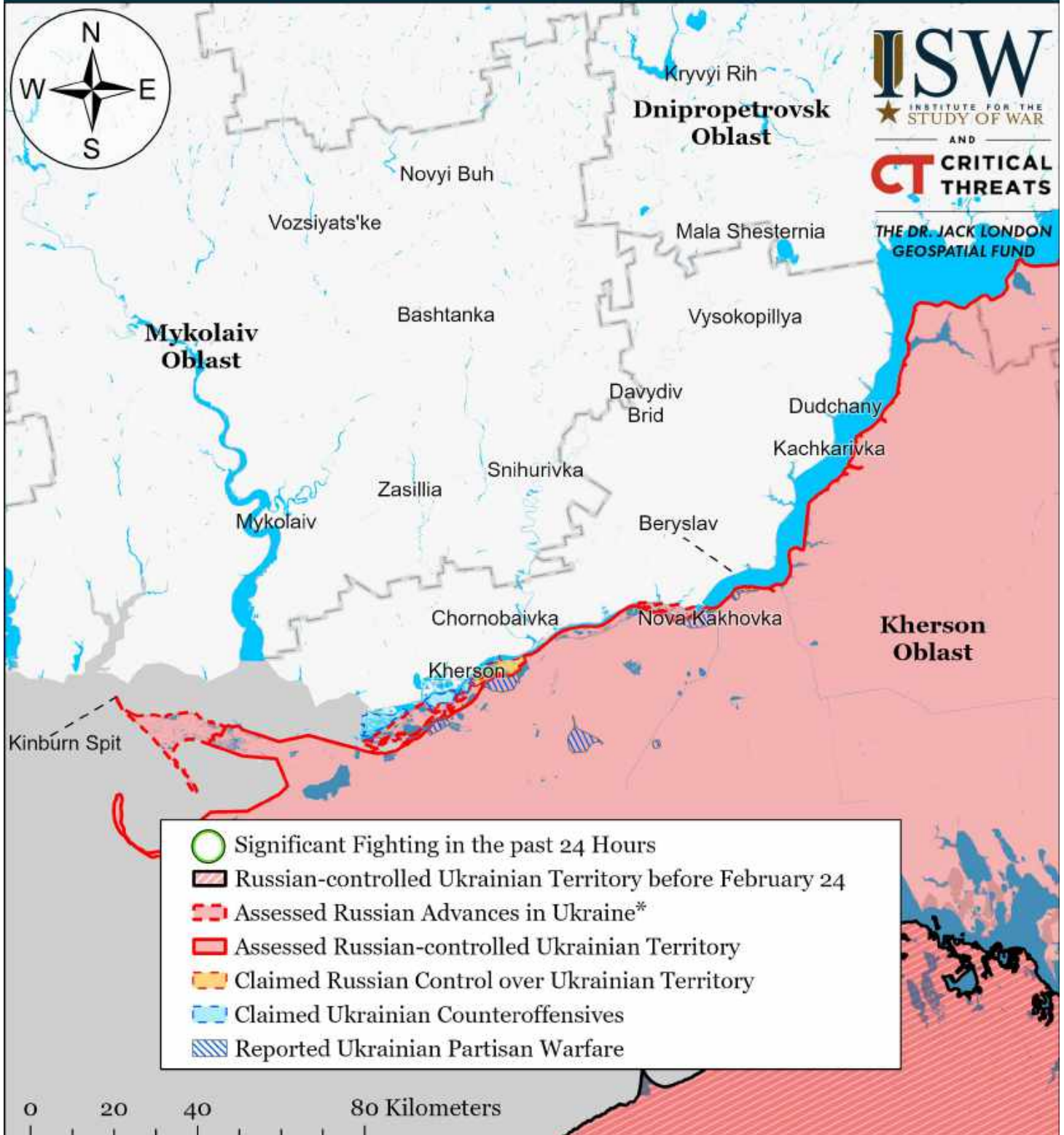
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Reported Ukrainian Partisan Warfare
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiellm, and Mitchell Belcher - © 2023 Institute for the Study of War and AET'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: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



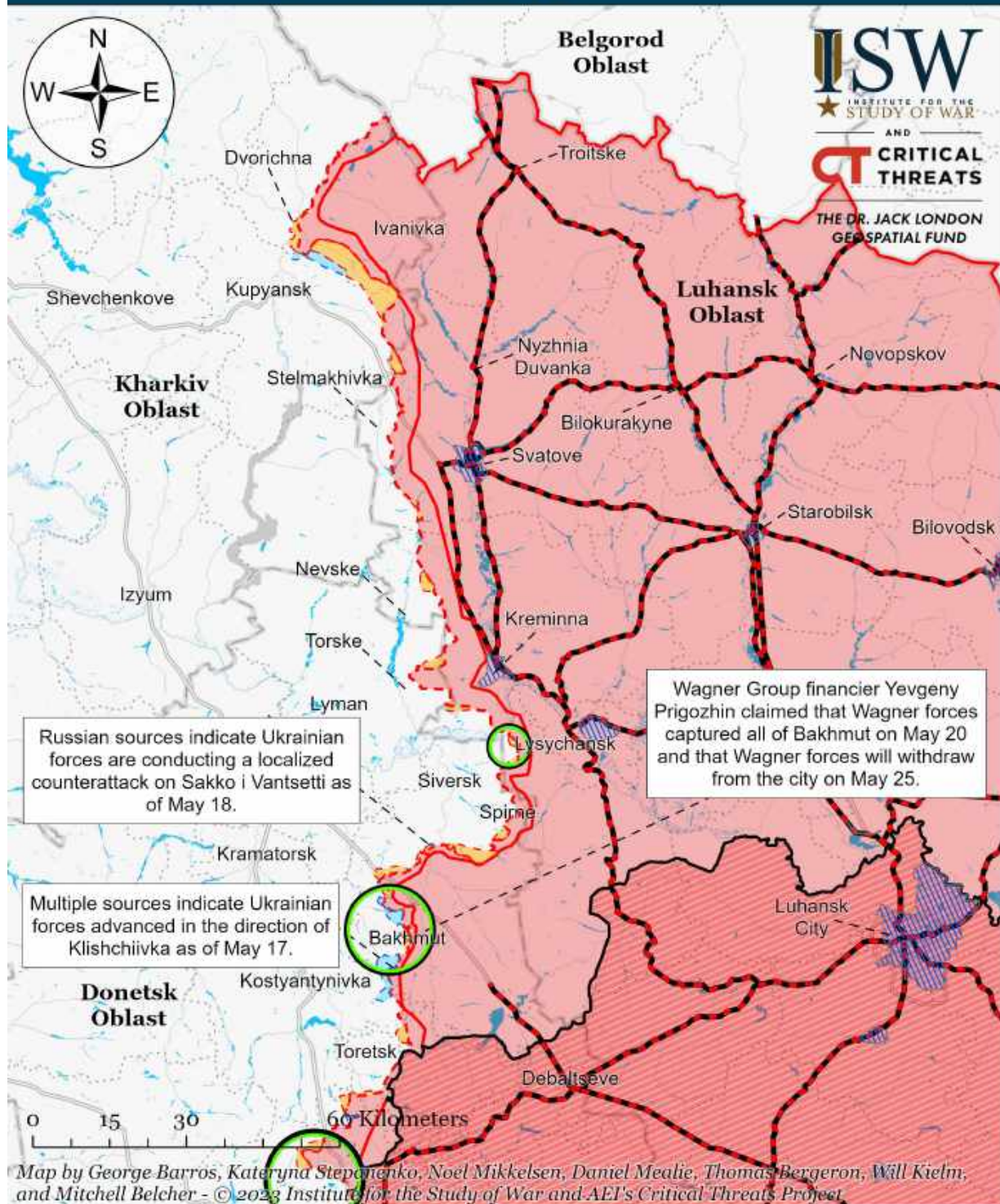
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiellm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Luhansk Oblast as of May 20, 2023, 3:00 PM ET



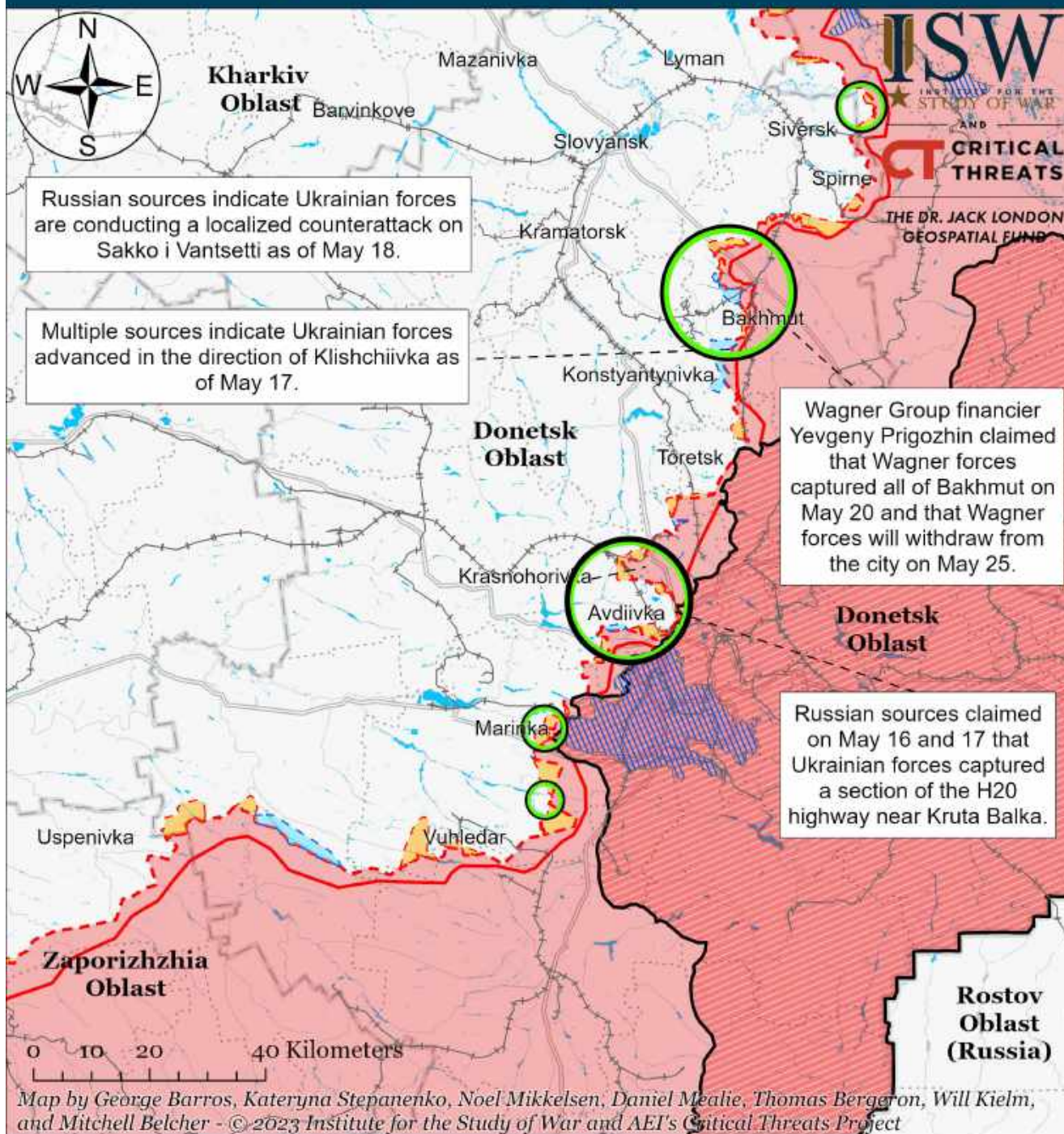
- Significant Fighting in the past 24 Hours
- Russian Ground Lines of Communication
- Russian-controlled Ukrainian Territory before February 24
- Assessed Russian Advances in Ukraine\*
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



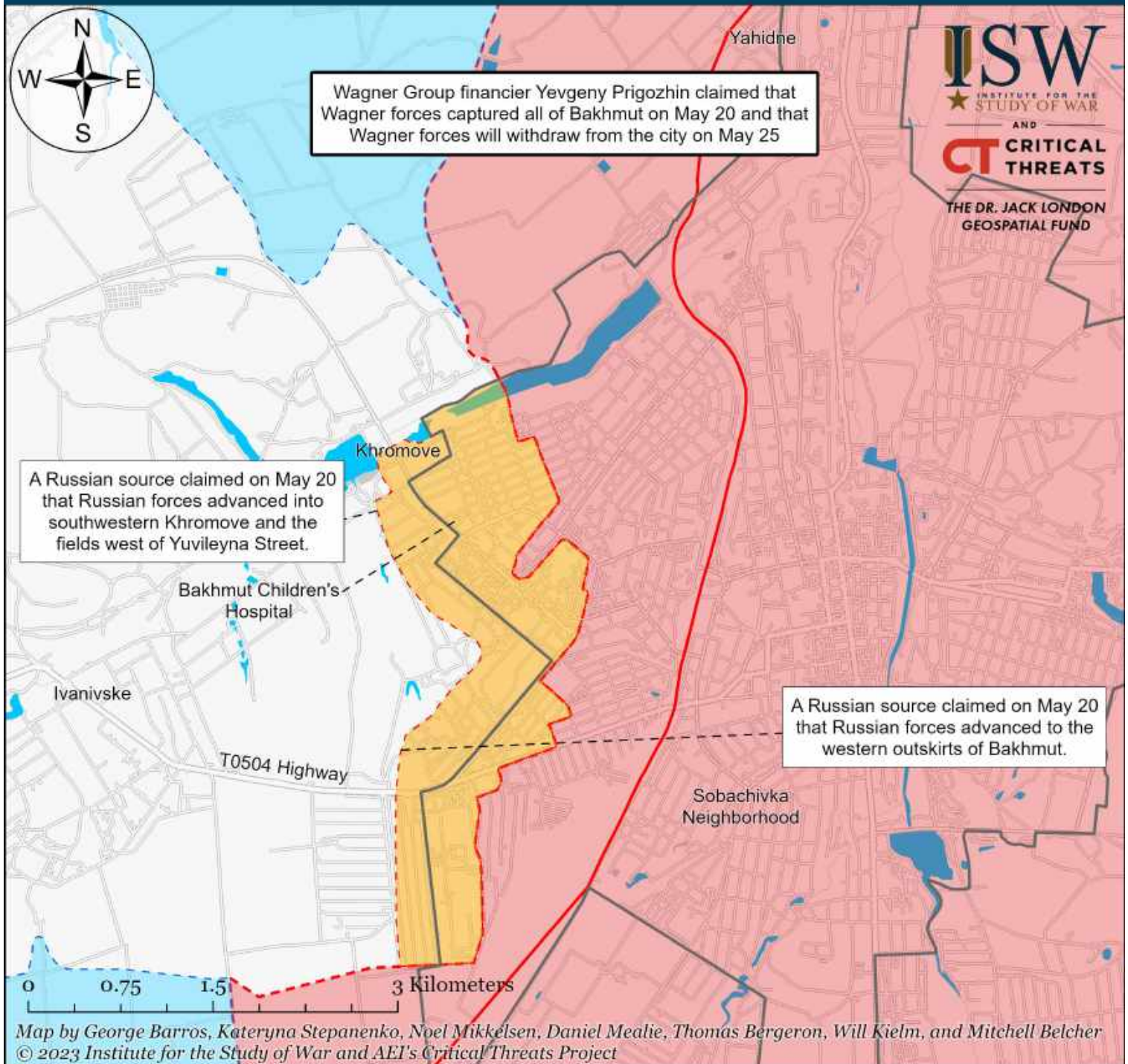
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives
- Major Railroads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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



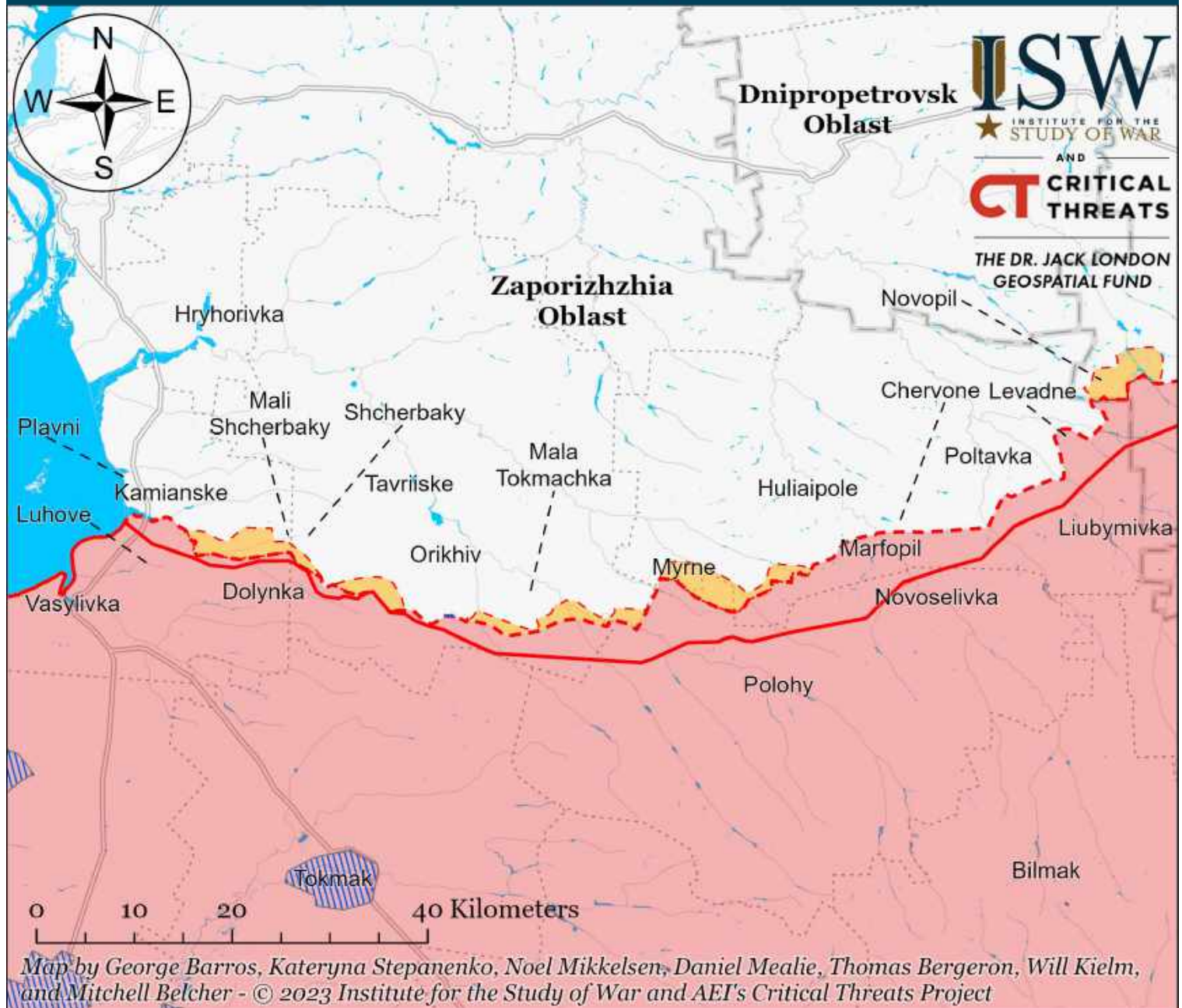
- Bakhmut City Limits
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Reported Ukrainian Partisan Warfare
- Assessed Russian Advances in Ukraine\*

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



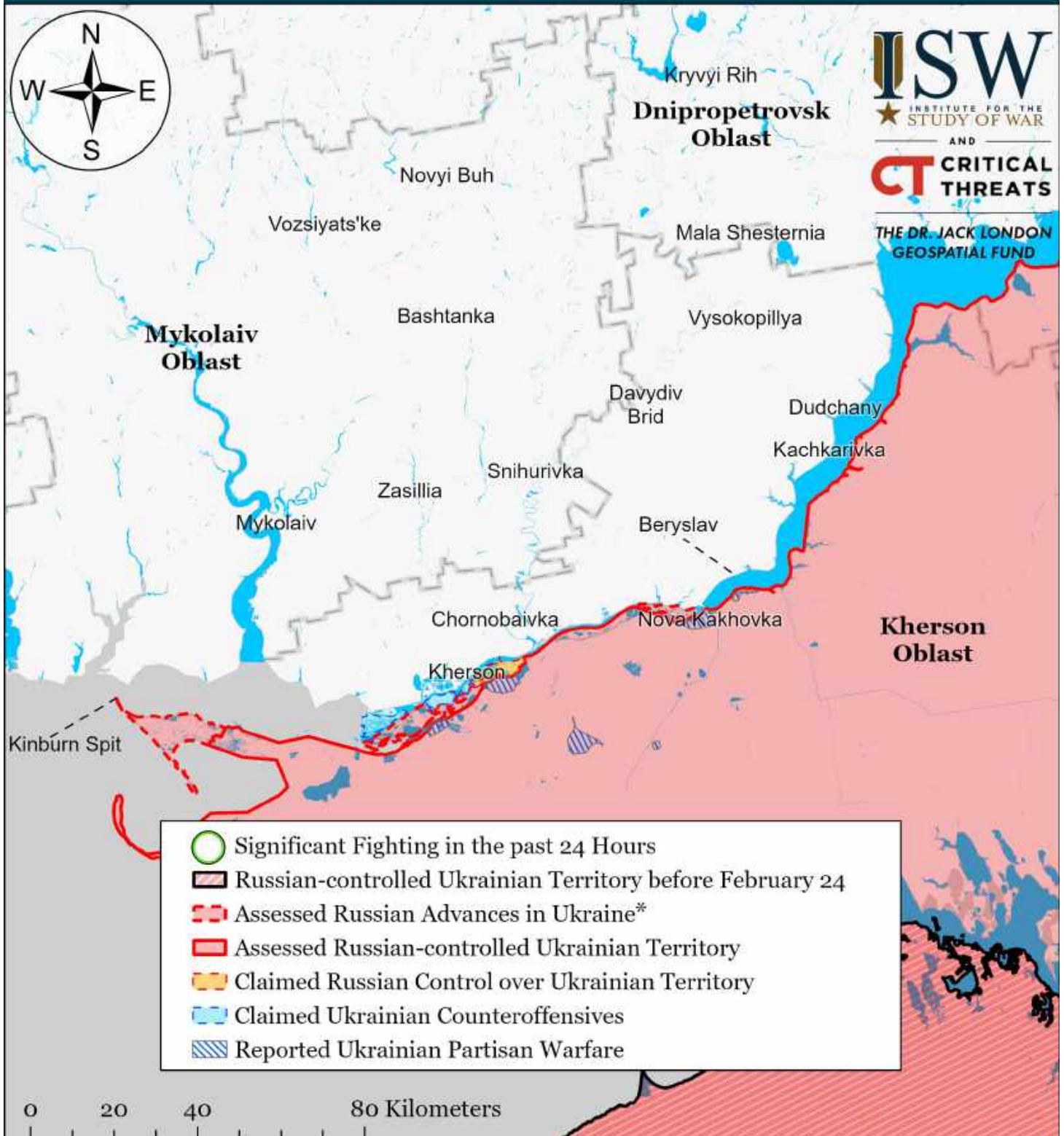
- Significant Fighting in the past 24 Hours
- Russian Ground Lines of Communication
- Russian-controlled Ukrainian Territory before February 24
- Assessed Russian Advances in Ukraine
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of May 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 AET'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: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



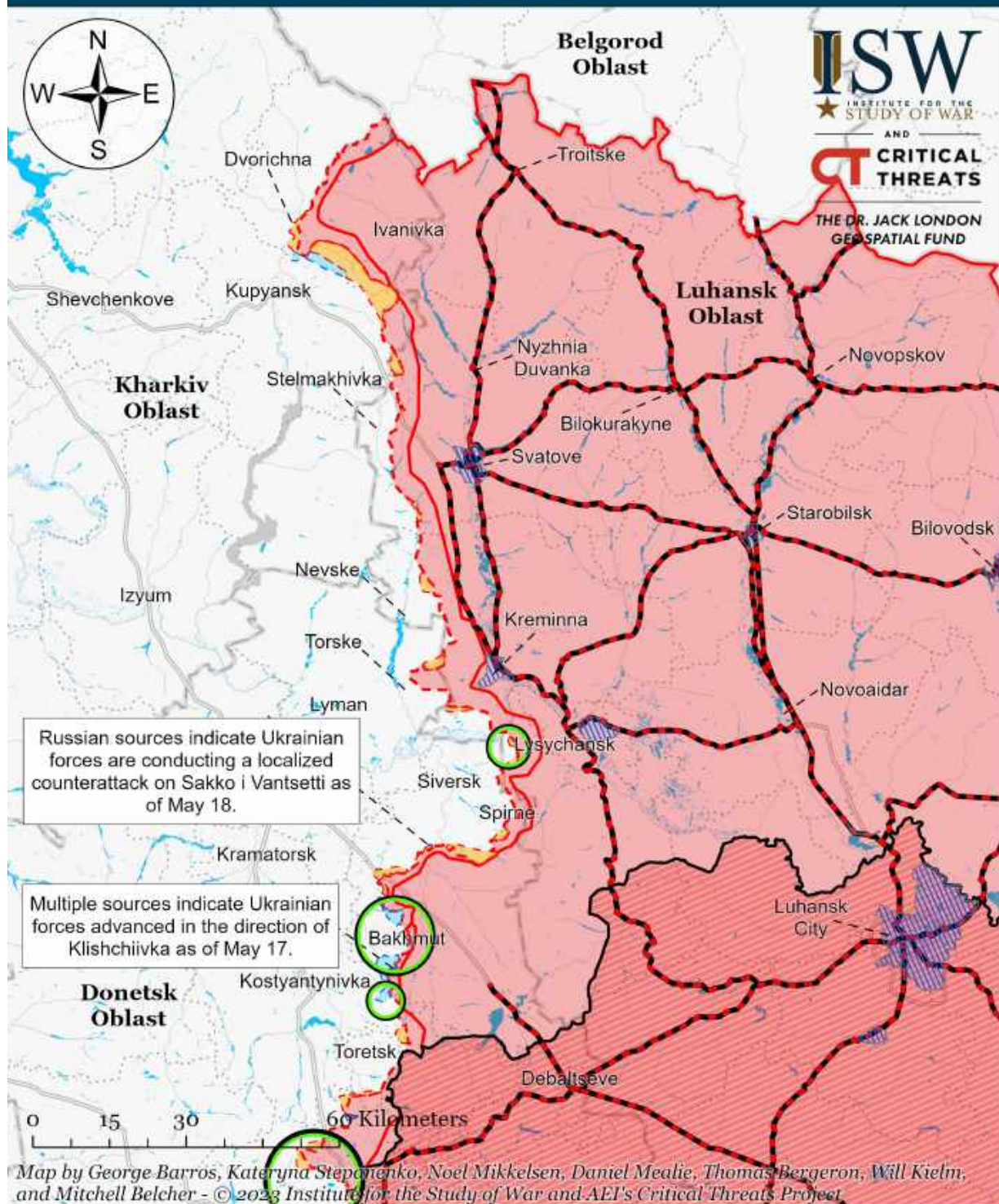
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiellm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Luhansk Oblast as of May 19, 2023, 3:00 PM ET



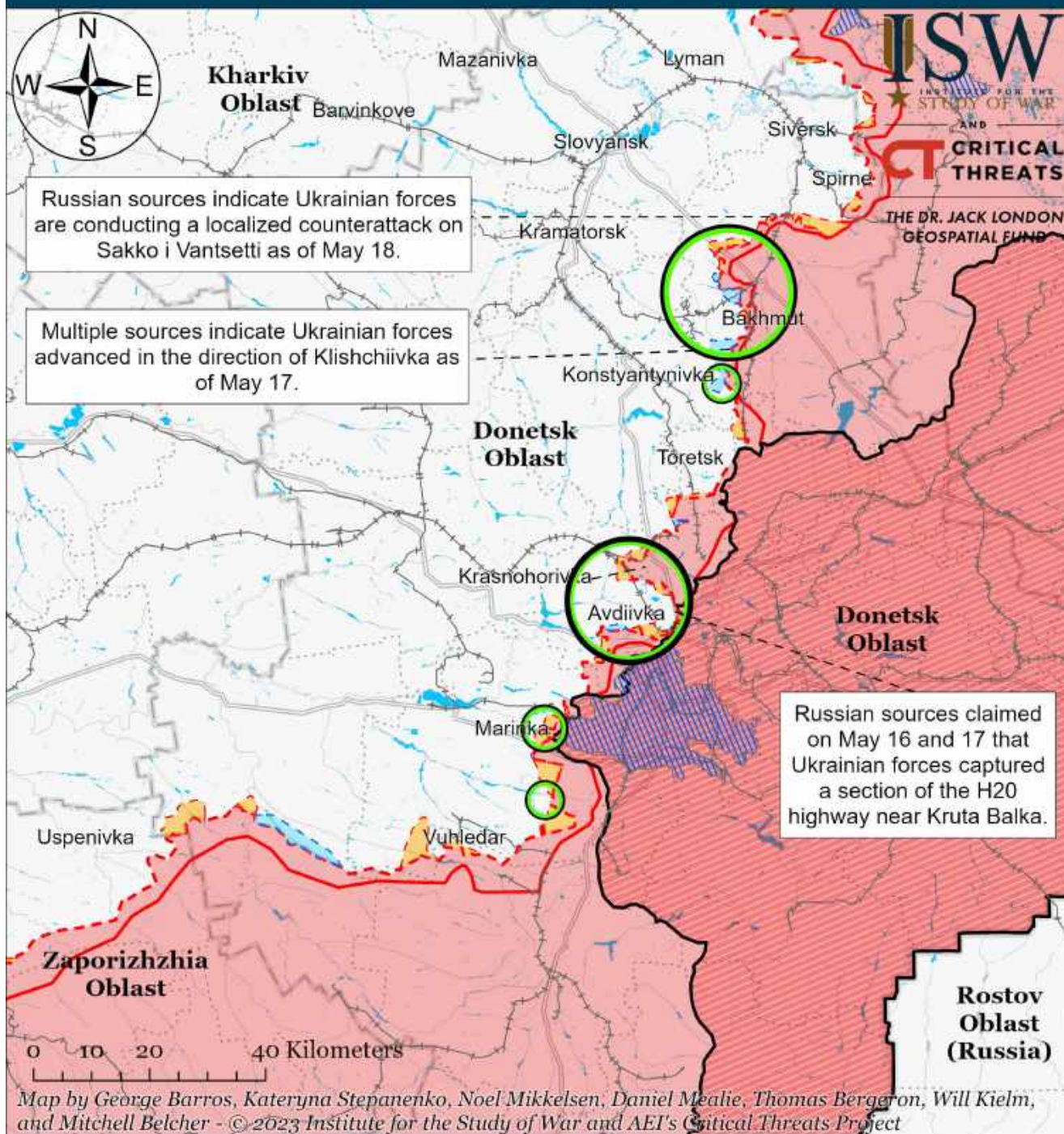
- Significant Fighting in the past 24 Hours
- Russian Ground Lines of Communication
- Russian-controlled Ukrainian Territory before February 24
- Assessed Russian Advances in Ukraine\*
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



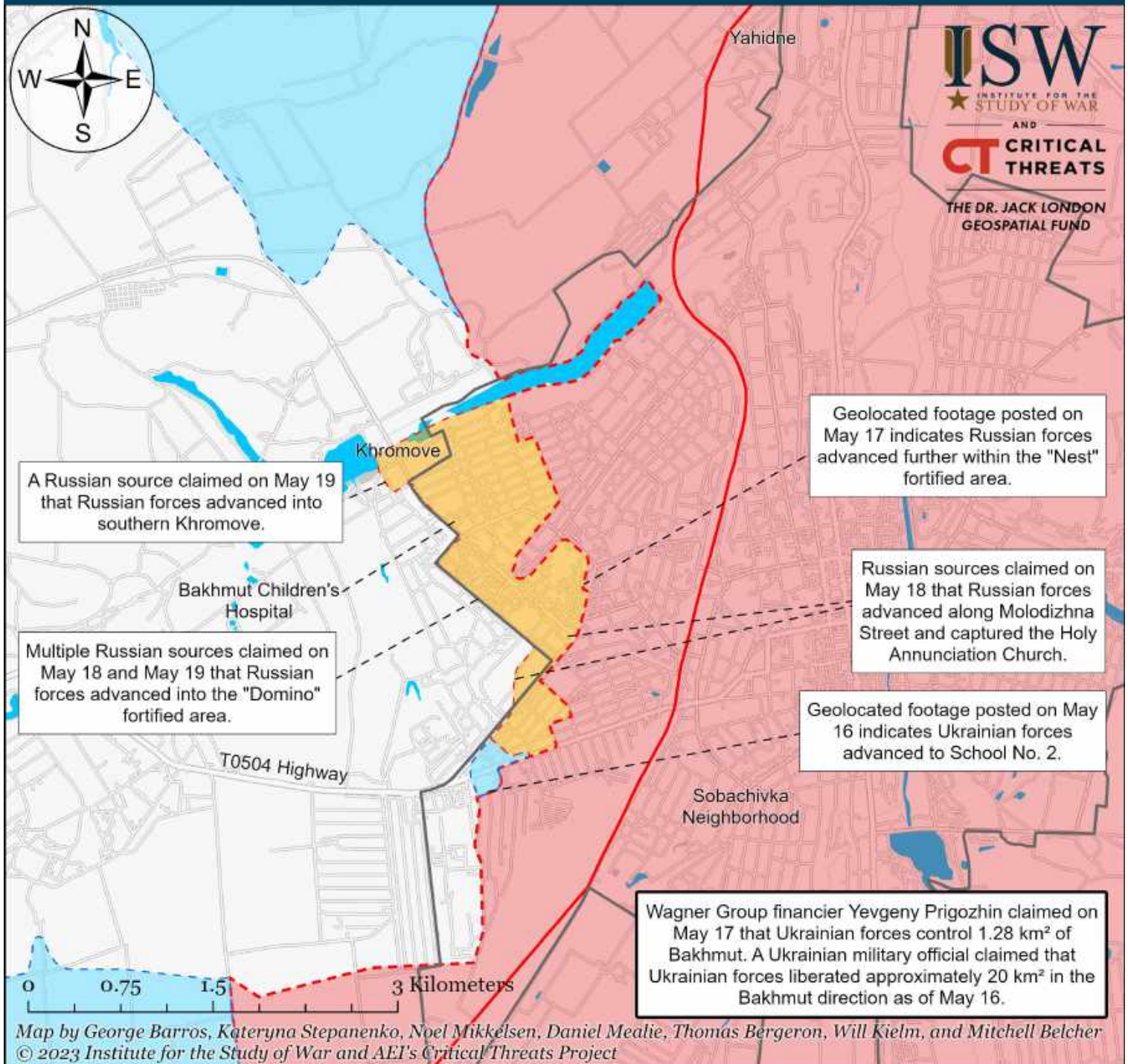
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives
- Major Railroads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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



□ Bakhmut City Limits

■ Assessed Russian-controlled Ukrainian Territory

■ Claimed Ukrainian Counteroffensives

■ Assessed Russian Advances in Ukraine\*

■ Claimed Russian Control over Ukrainian Territory

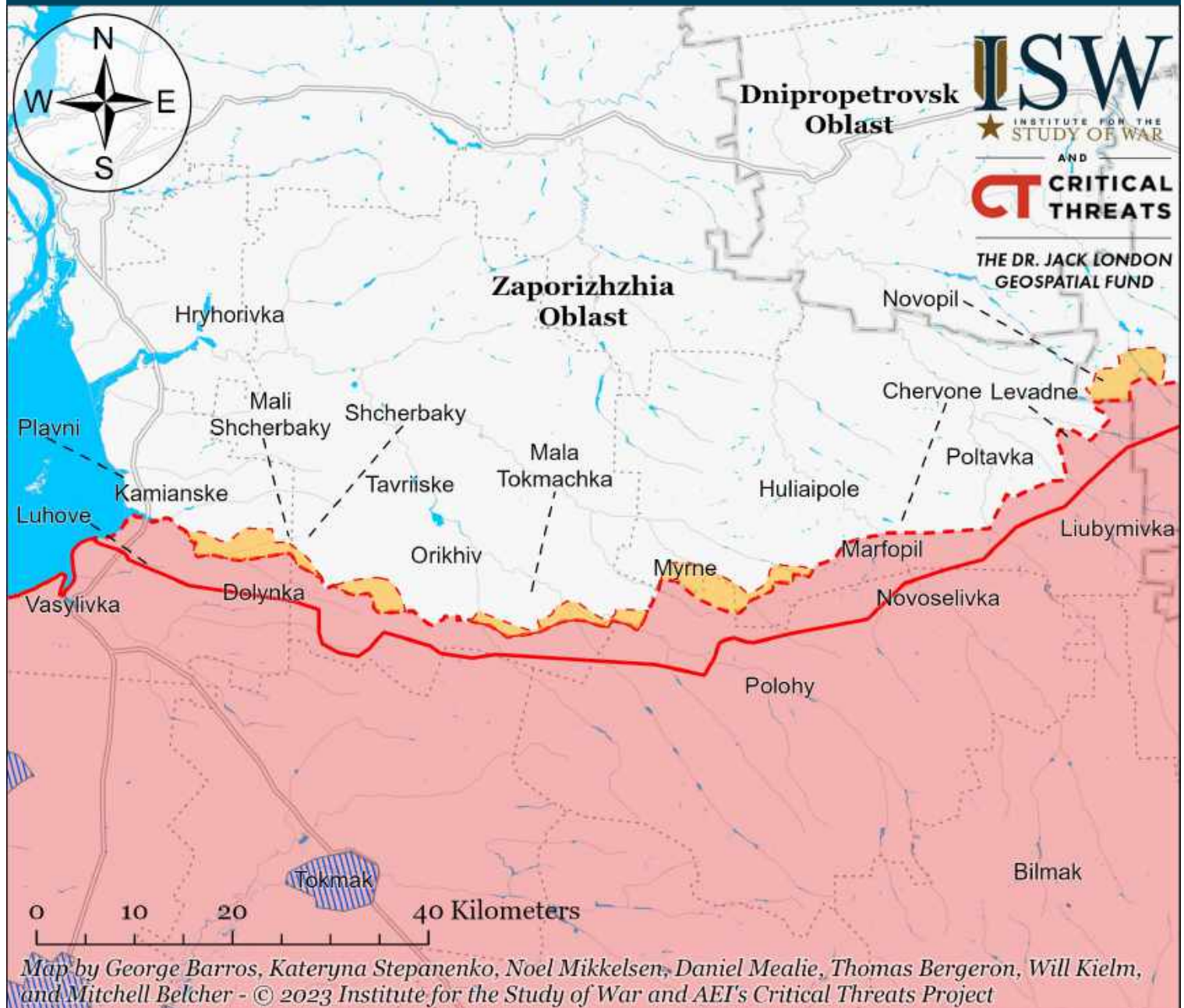
■ Reported Ukrainian Partisan Warfare

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Zaporizhia as of May 19, 2023, 3:00 PM ET



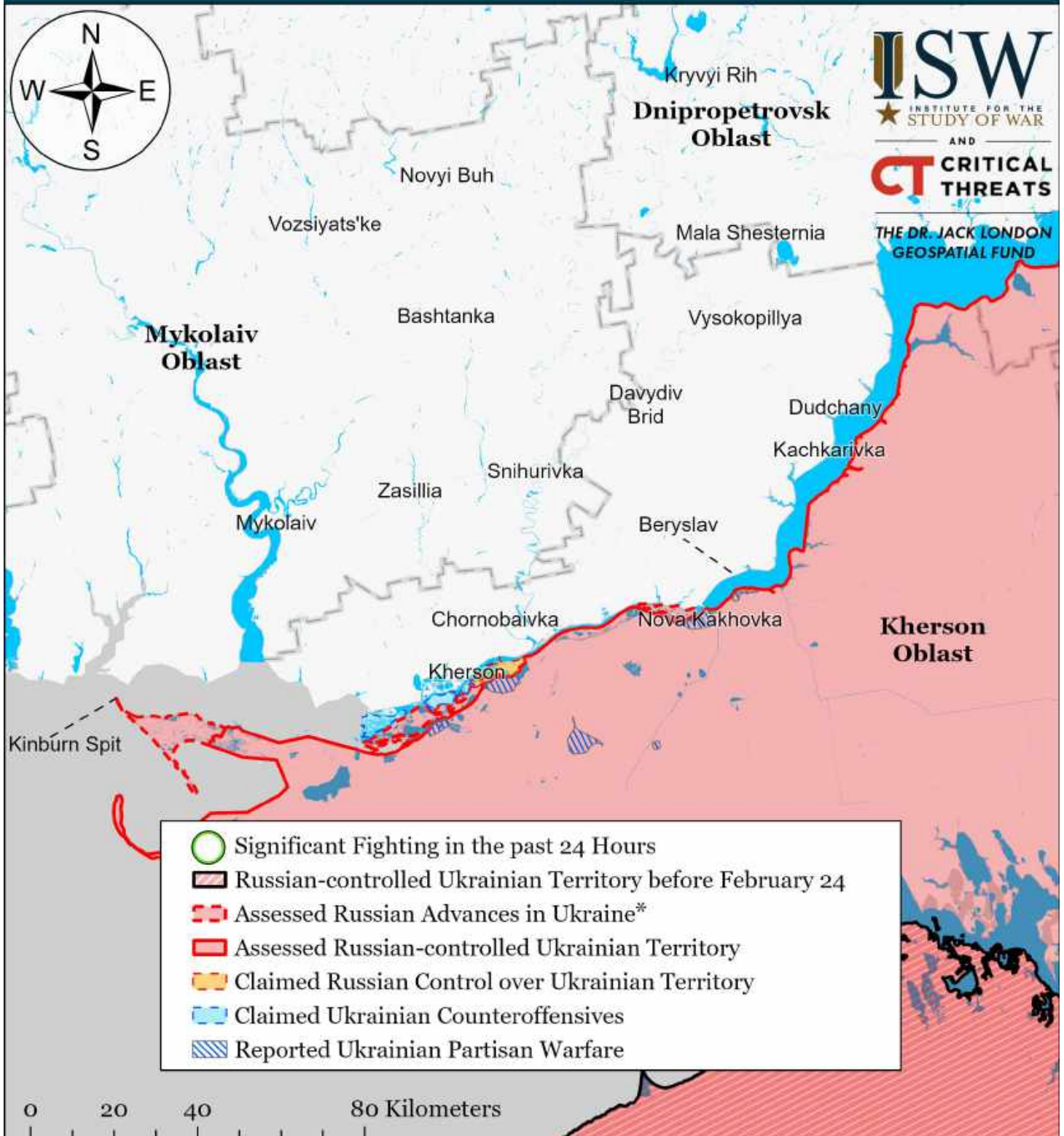
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- ▨ Reported Ukrainian Partisan Warfare
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- - - Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of May 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 AET'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: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiellm, 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: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



**Belgorod Oblast**

**Luhansk Oblast**

**Kharkiv Oblast**

**Donetsk Oblast**

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

Dvorichna

Ivaniyka

Troitske

Nyzhnia Duvanka

Bilokurakyn

Svatove

Stelmakhivka

Nevopskov

Starobilsk

Bilovodsk

Izyum

Nevske

Torske

Lyman

Kremynna

Novoaidar

Lysychansk

Siversk

Spirne

Kramatorsk

Luhansk City

Kostyantynivka

Toretsk

Debaltseve

Bakhmut

Russian sources claimed that Russian forces captured Masyutivka as of May 14.

Russian sources indicate Ukrainian forces are conducting a localized counterattack on Sakko i Vantsetti as of May 18.

Multiple sources indicate Ukrainian forces advanced in the direction of Klishchiivka as of May 17.

0 15 30 60 Kilometers

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

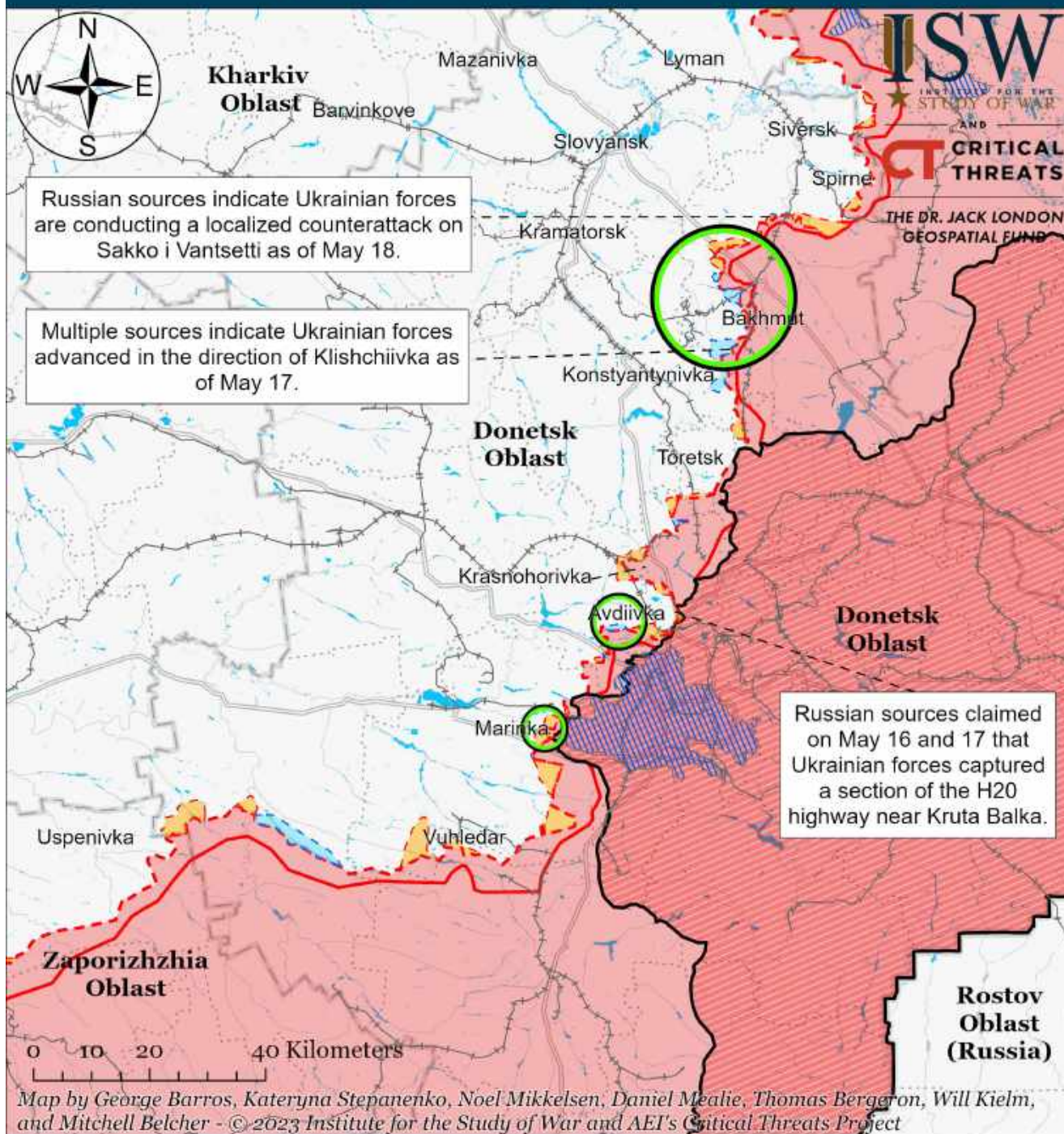
-  Significant Fighting in the past 24 Hours
  Assessed Russian Advances in Ukraine\*
  Claimed Ukrainian Counteroffensives
-  Russian Ground Lines of Communication
  Assessed Russian-controlled Ukrainian Territory
  Reported Ukrainian Partisan Warfare
-  Russian-controlled Ukrainian Territory before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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



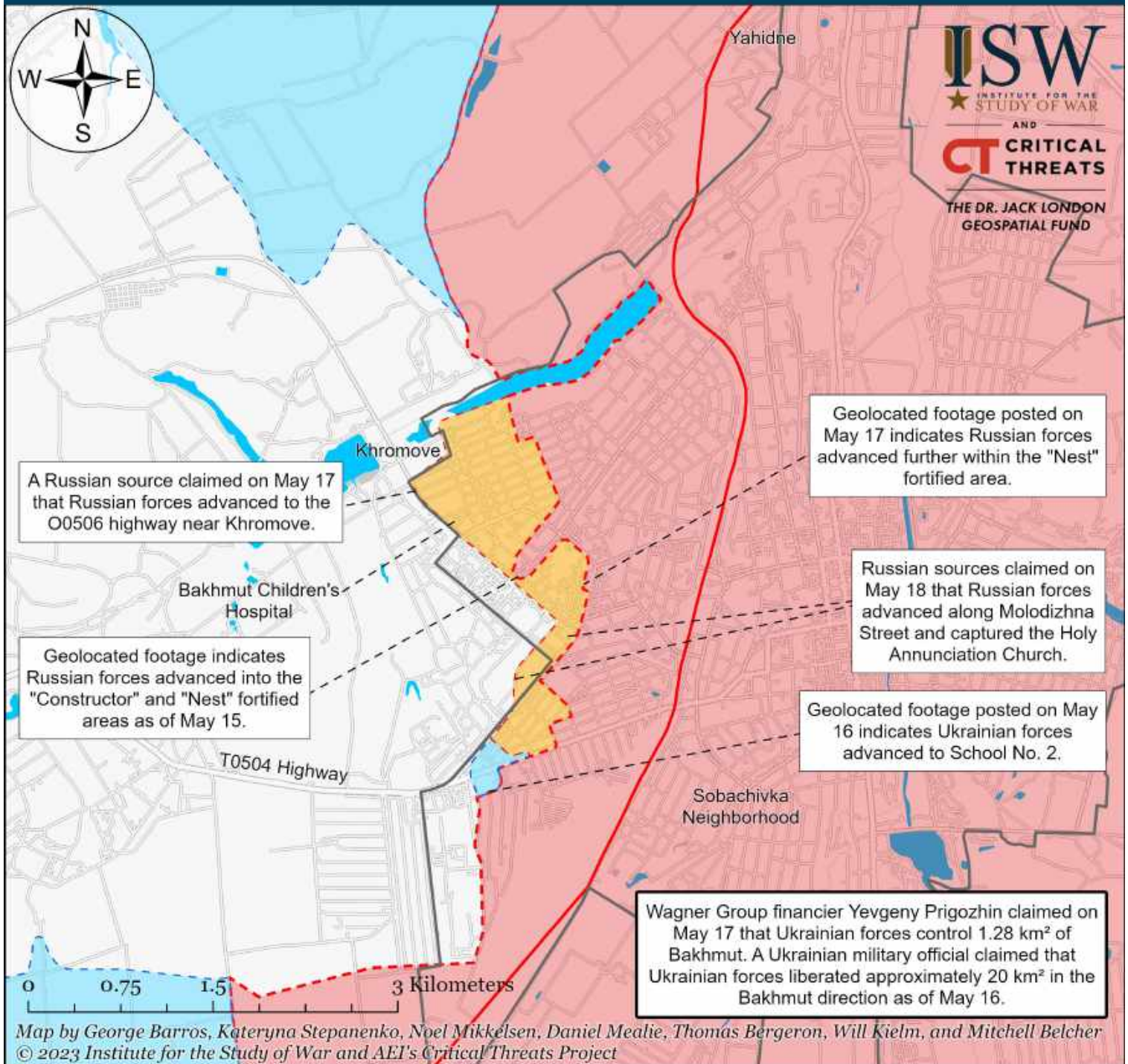
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives
- Major Railroads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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



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



□ Bakhmut City Limits

■ Assessed Russian-controlled Ukrainian Territory

■ Claimed Ukrainian Counteroffensives

■ Assessed Russian Advances in Ukraine\*

■ Claimed Russian Control over Ukrainian Territory

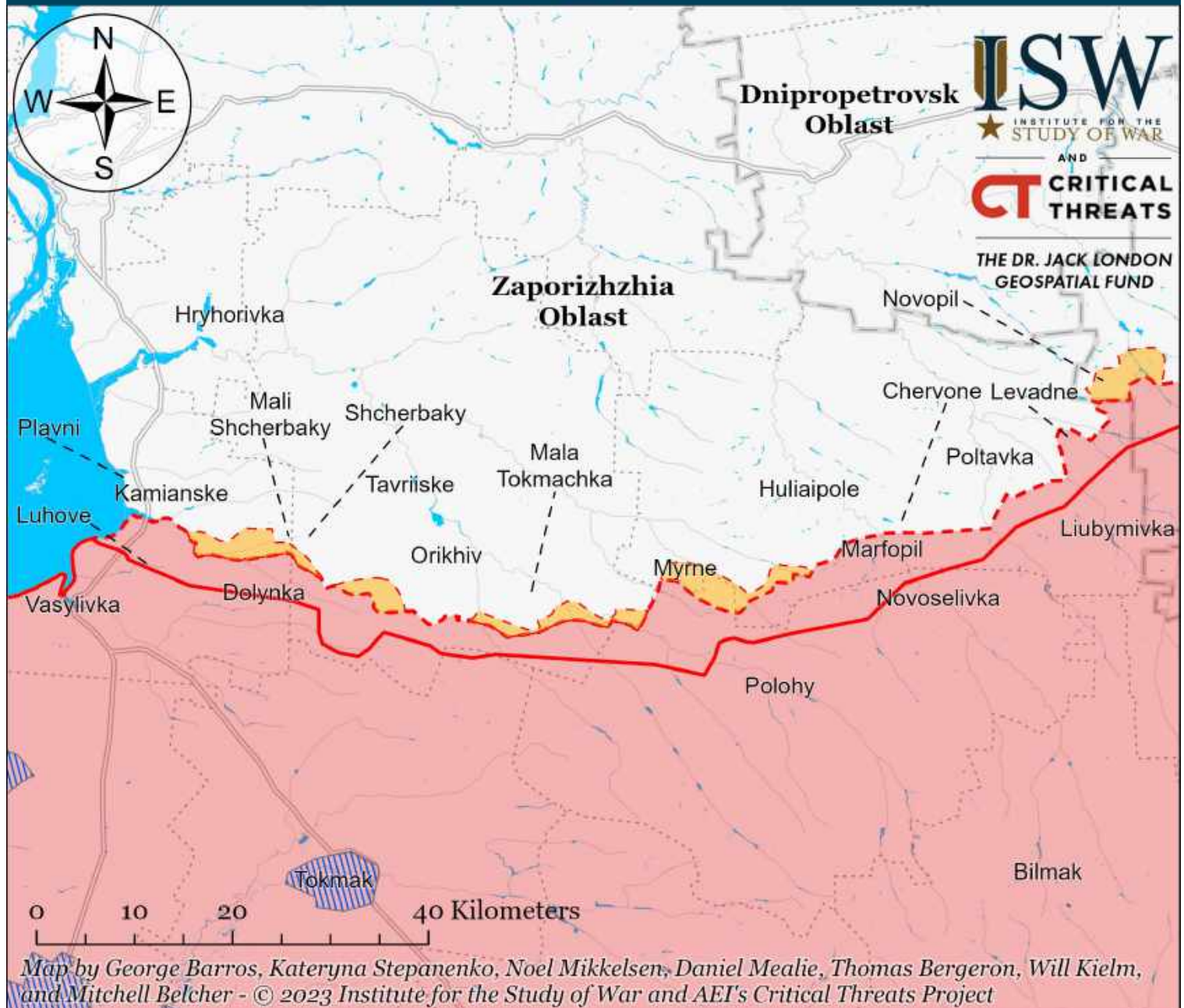
■ Reported Ukrainian Partisan Warfare

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Zaporizhia as of May 18, 2023, 3:00 PM ET



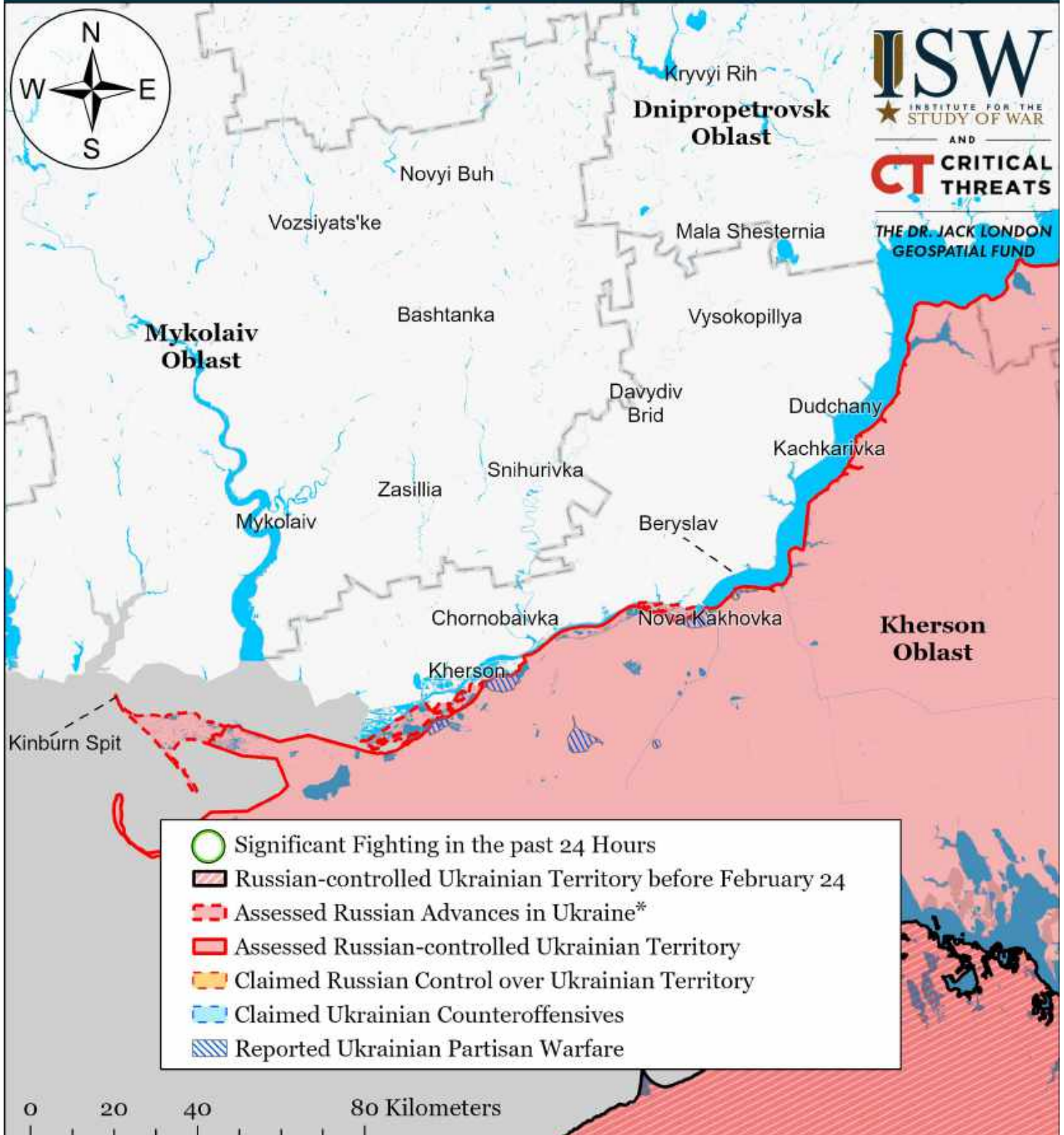
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- ▨ Reported Ukrainian Partisan Warfare
- ▨ Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- - - Assessed Russian Advances in Ukraine\*
- Claimed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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of May 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 AET'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: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain in Ukraine and Main Russian Maneuver Axes as of May 17, 2023, 3:00 PM ET



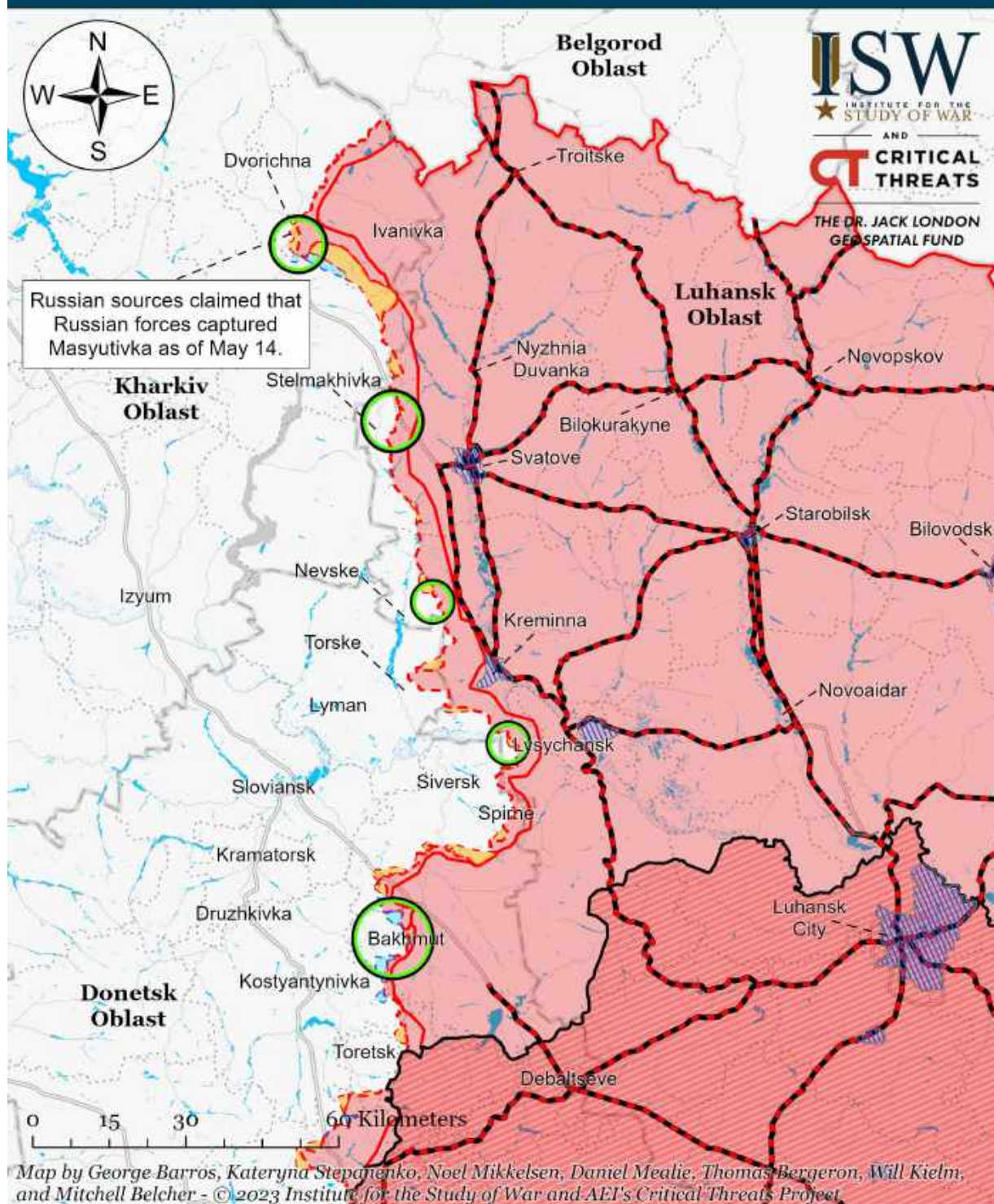
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiellm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Luhansk Oblast as of May 17, 2023, 3:00 PM ET



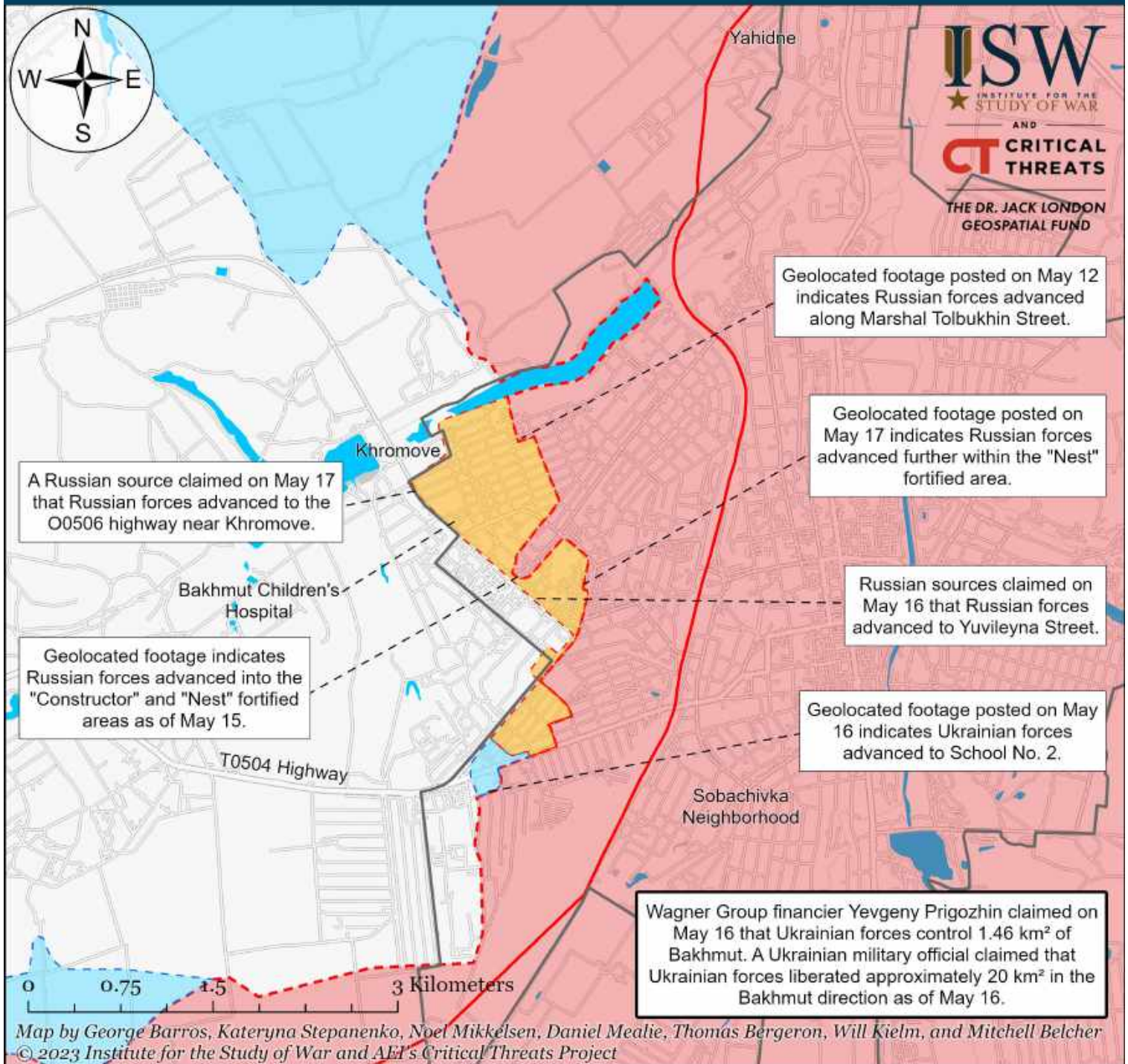
- Significant Fighting in the past 24 Hours
- Russian Ground Lines of Communication
- Russian-controlled Ukrainian Territory before February 24
- Assessed Russian Advances in Ukraine\*
- Assessed Russian-controlled Ukrainian Territory
- Claimed Russian Control over Ukrainian Territory
- Claimed Ukrainian 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain in Bakhmut as of May 17, 2023, 3:00 PM ET



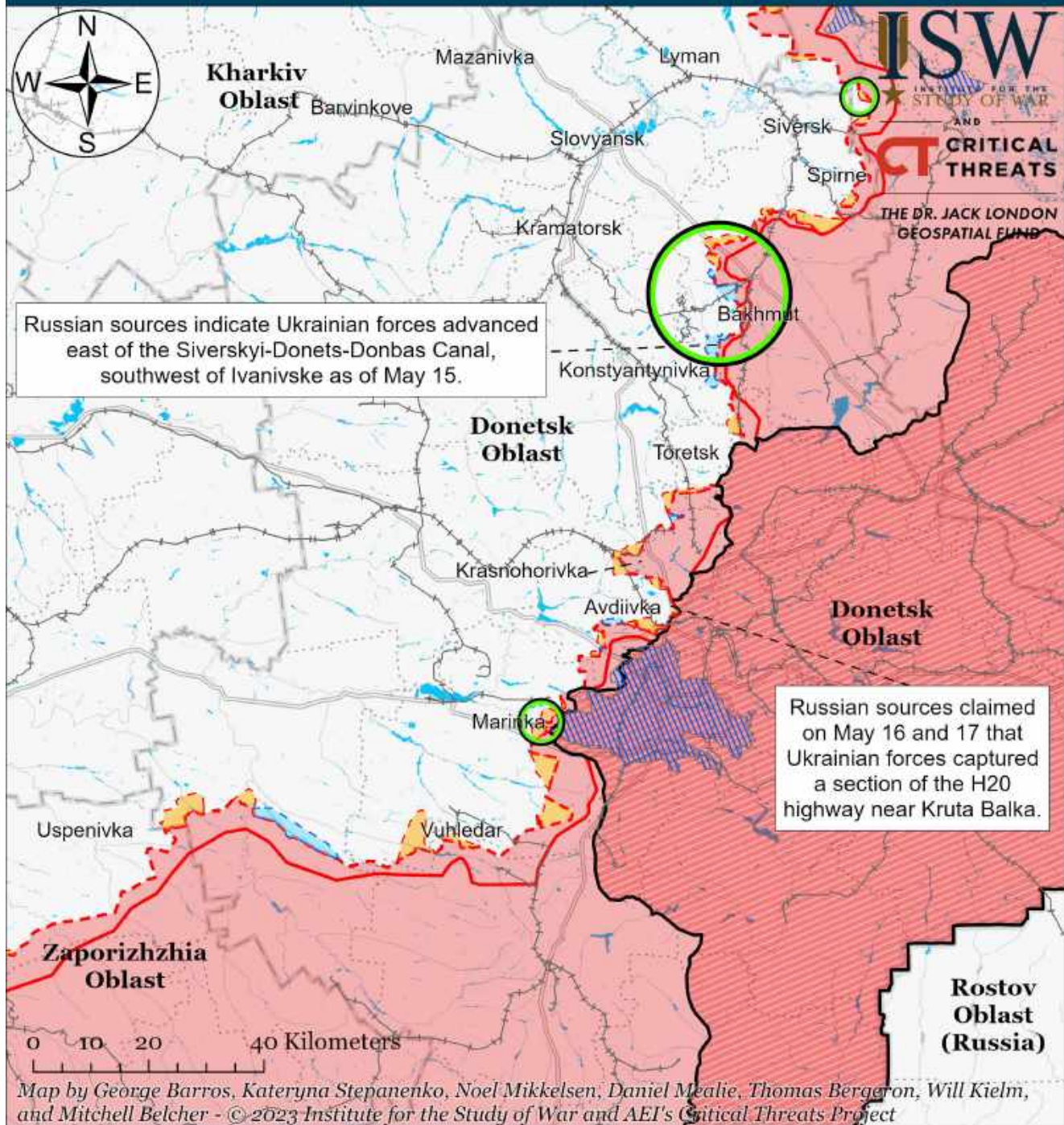
- Bakhmut City Limits
- Assessed Russian-controlled Ukrainian Territory
- Claimed Ukrainian Counteroffensives
- Assessed Russian Advances in Ukraine\*
- Claimed Russian Control over Ukrainian Territory
- Reported Ukrainian Partisan Warfare

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Donetsk as of May 17, 2023, 3:00 PM ET



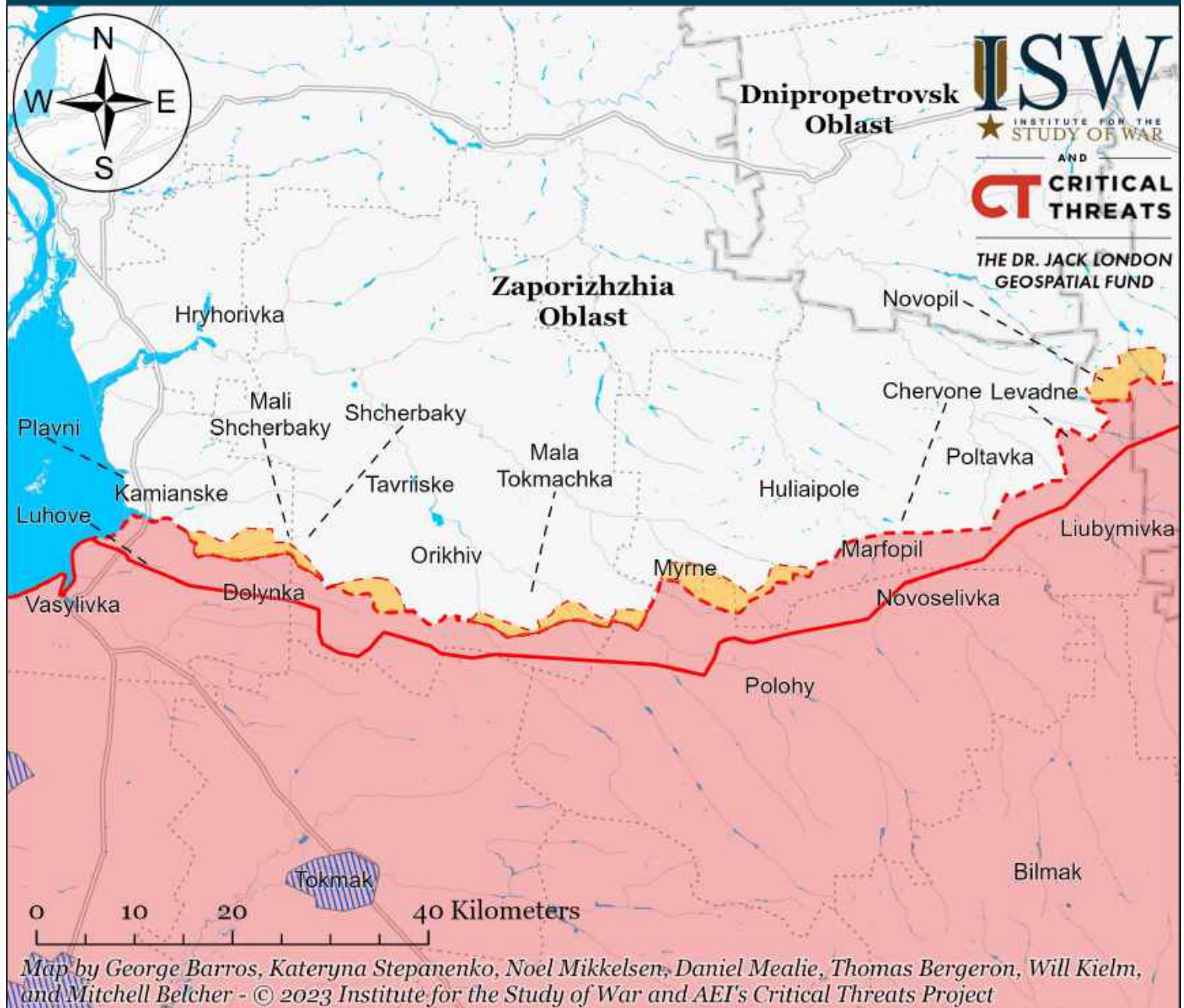
- |   |  |                                     |
|---|--|-------------------------------------|
| Significant Fighting in the past 24 Hours                 | Assessed Russian-controlled Ukrainian Territory  | Major Railroads                     |
| Russian-controlled Ukrainian Territory before February 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Zaporizhia as of May 17, 2023, 3:00 PM ET



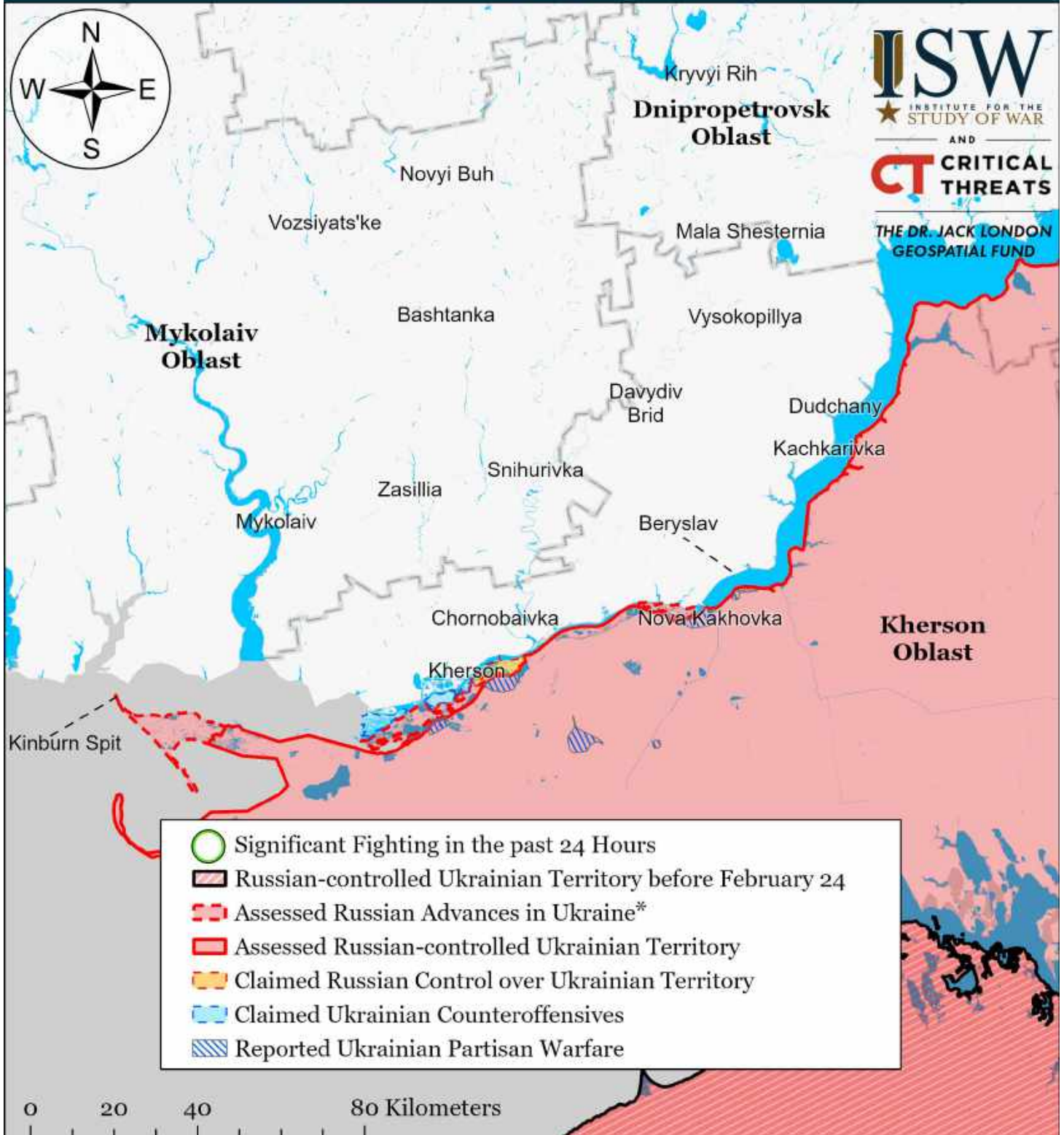
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- ▨ Reported Ukrainian Partisan Warfare
- ▨ Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- - - Assessed Russian Advances in Ukraine\*
- Claimed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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of May 17, 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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain in Ukraine and Main Russian Maneuver Axes as of May 16, 2023, 3:00 PM ET



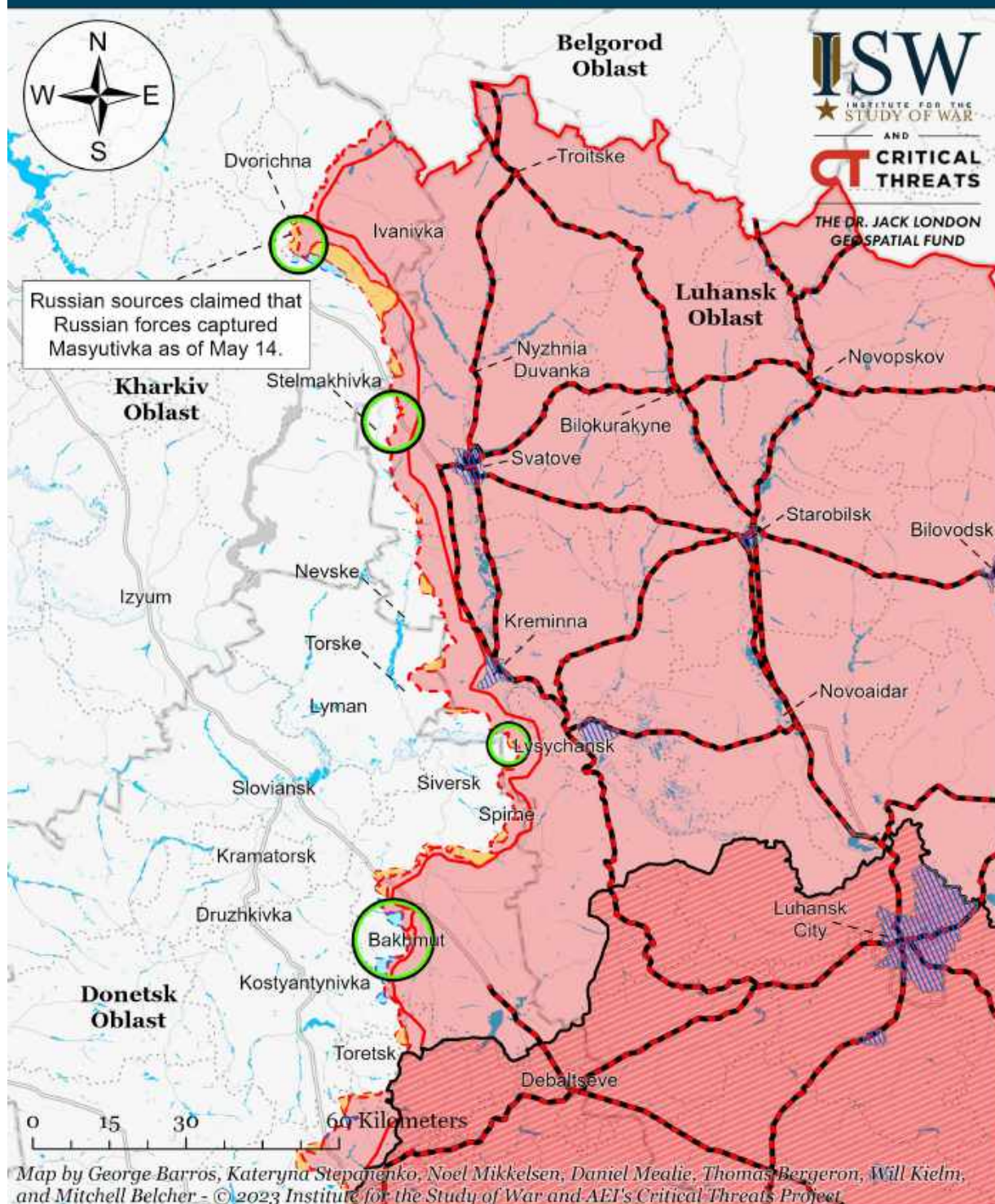
Map by George Barros, Kateryna Stepanenko, Noel Mikkelsen, Daniel Mealie, Thomas Bergeron, Will Kiellm, and Mitchell Belcher - © 2023 Institute for the Study of War and AEI's Critical Threats Project

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Luhansk Oblast as of May 16, 2023, 3:00 PM ET



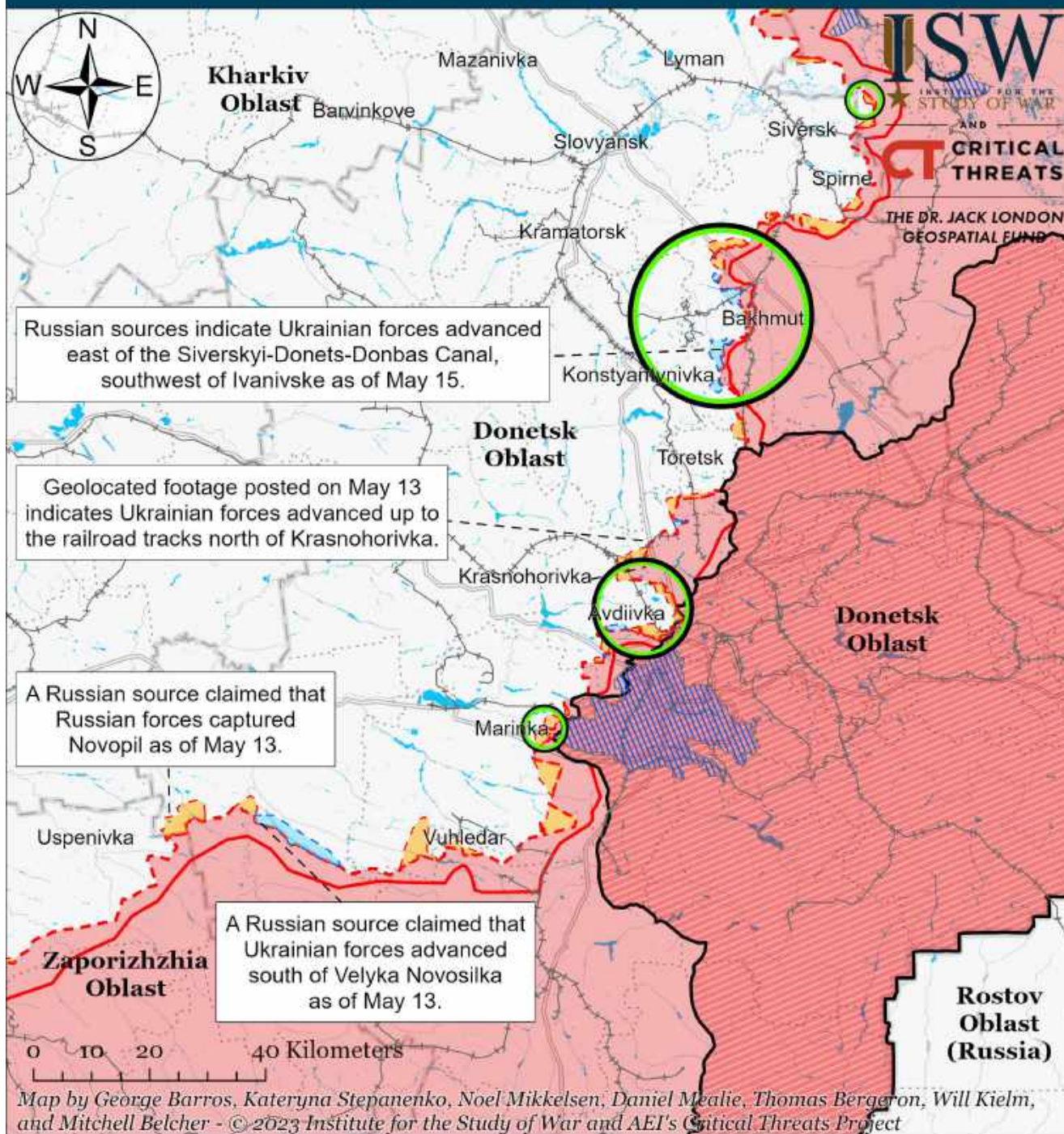
- Significant Fighting in the past 24 Hours
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian Counteroffensives
- Russian Ground Lines of Communication
- Assessed Russian-controlled Ukrainian Territory
- Reported Ukrainian Partisan Warfare
- Russian-controlled Ukrainian Territory before February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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Donetsk as of May 16, 2023, 3:00 PM ET



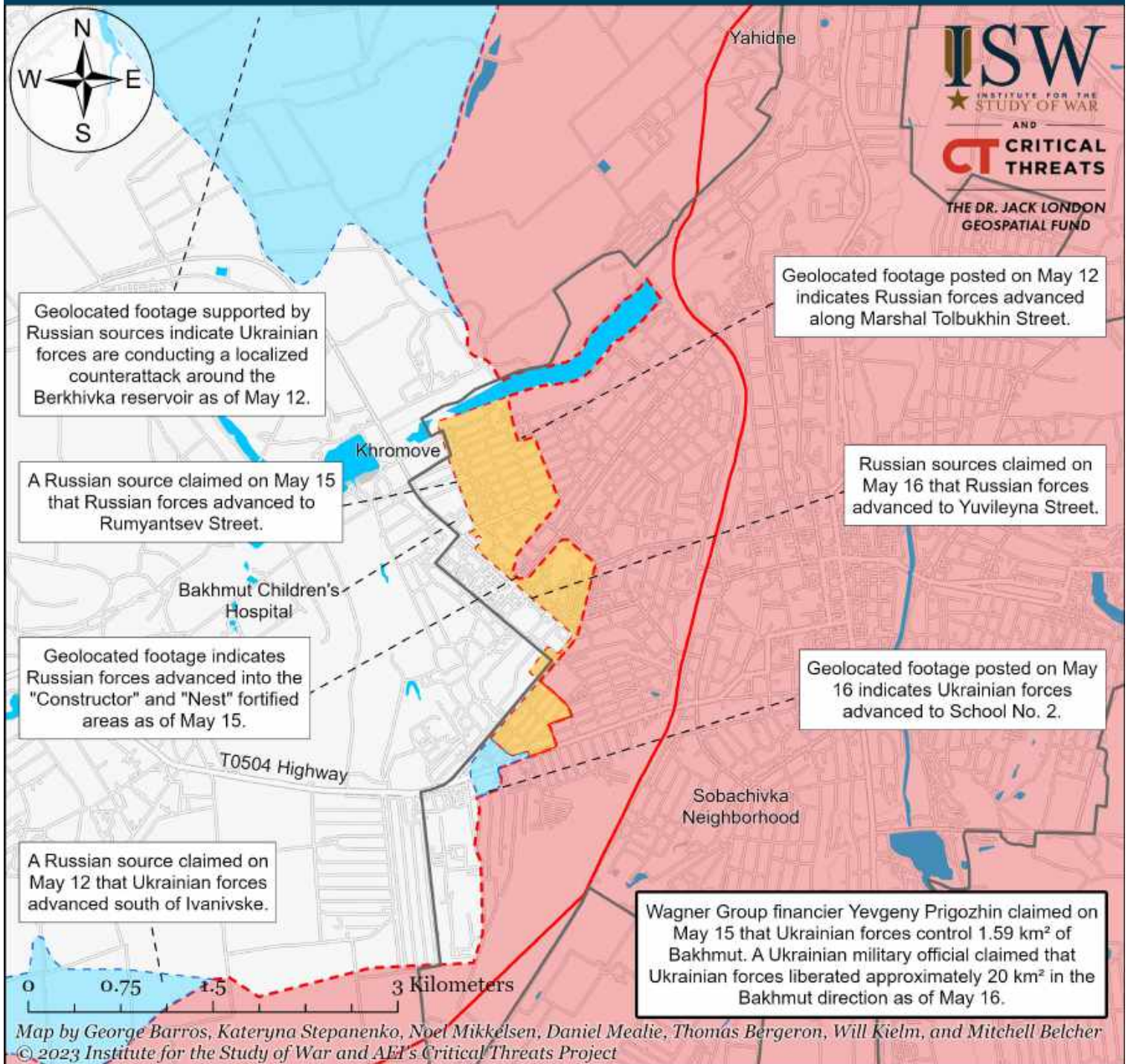
- |   |  |                                     |
|---|--|-------------------------------------|
| Significant Fighting in the past 24 Hours                 | Assessed Russian-controlled Ukrainian Territory  | Major Railroads                     |
| Russian-controlled Ukrainian Territory before February 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.

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain in Bakhmut as of May 16, 2023, 3:00 PM ET



□ Bakhmut City Limits

■ Assessed Russian-controlled Ukrainian Territory

■ Claimed Ukrainian Counteroffensives

■ Assessed Russian Advances in Ukraine\*

■ Claimed Russian Control over Ukrainian Territory

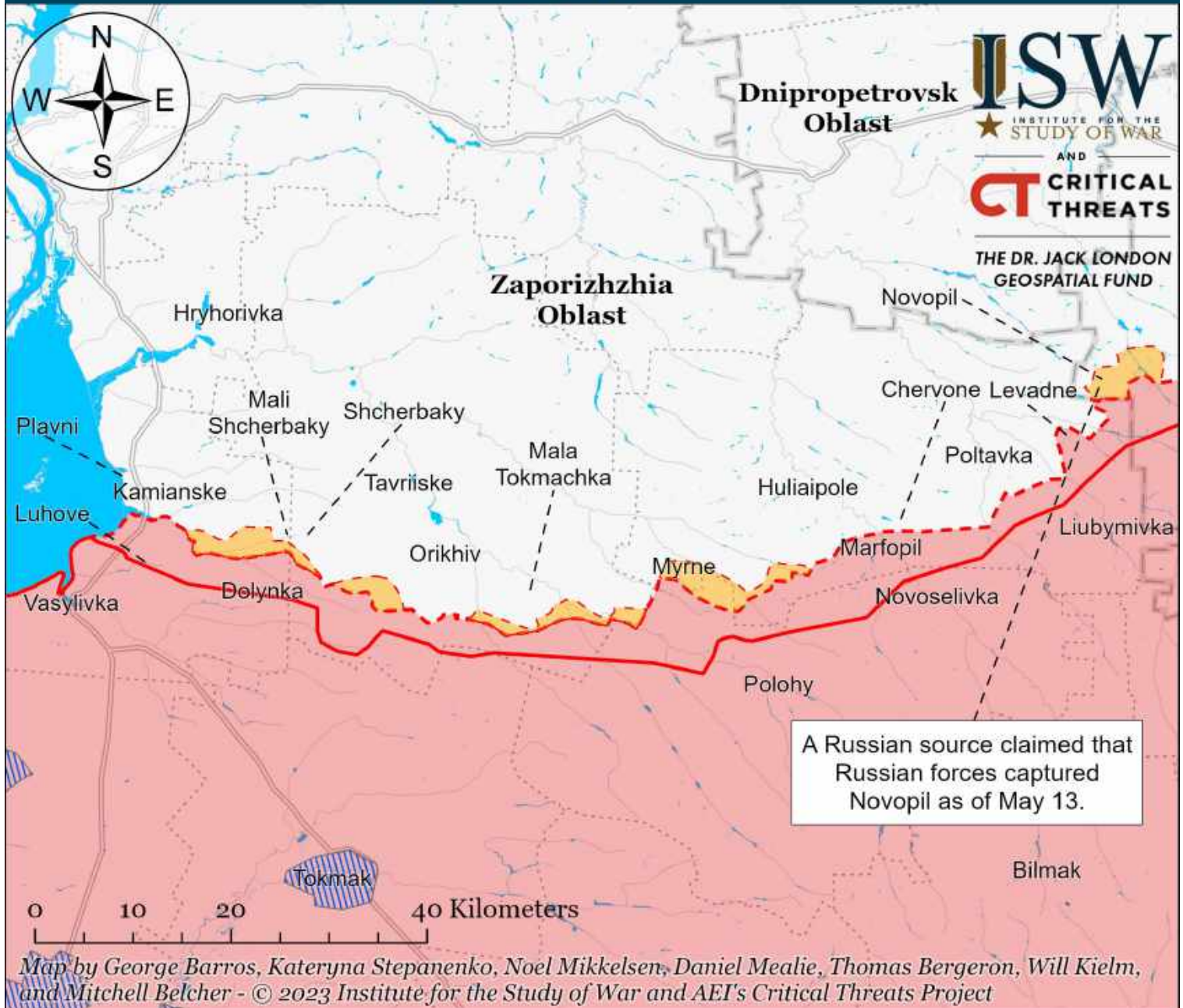
■ Reported Ukrainian Partisan Warfare

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Zaporizhia as of May 16, 2023, 3:00 PM ET



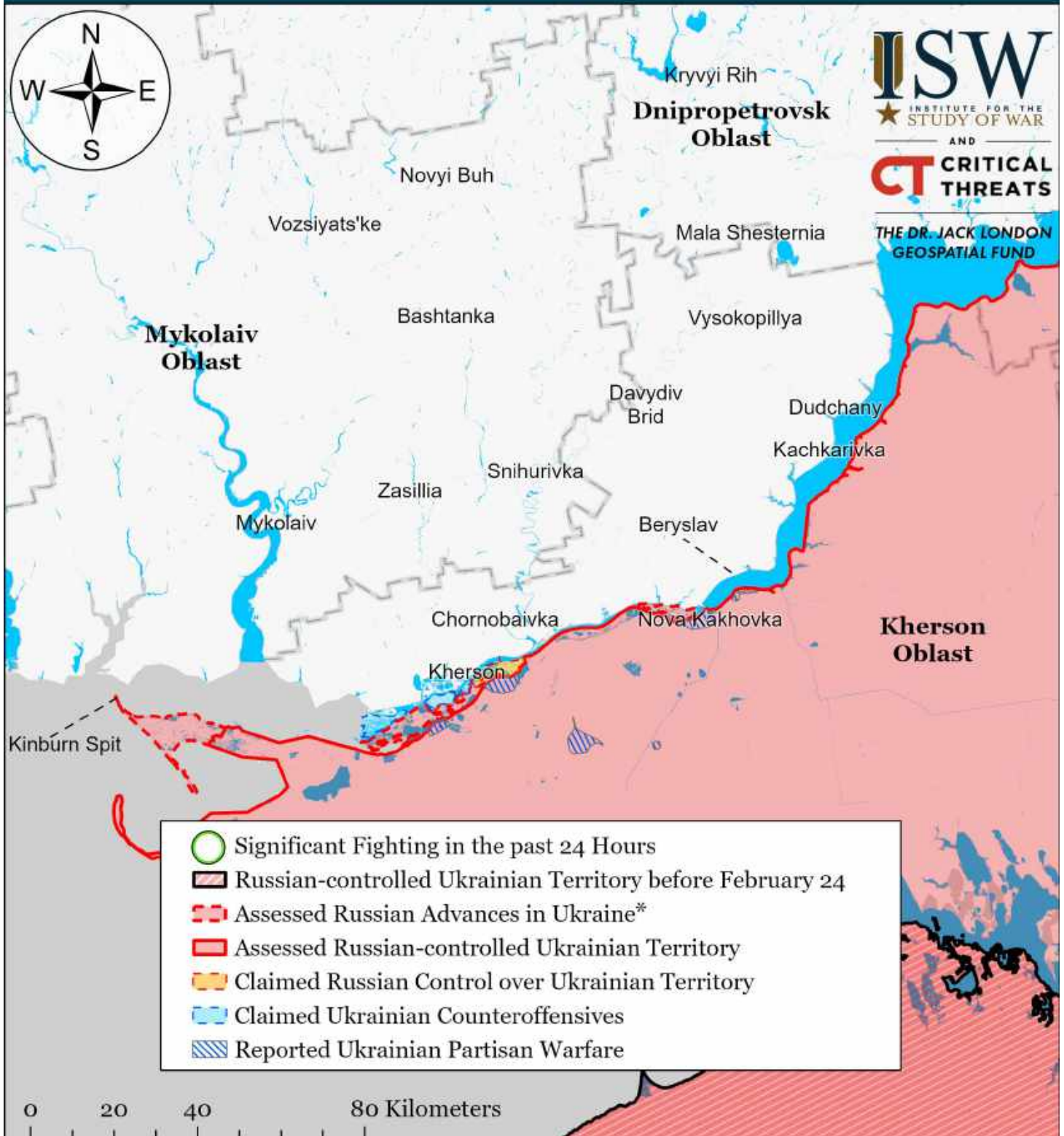
- Significant Fighting in the past 24 Hours
- Assessed Russian-controlled Ukrainian Territory
- Reported Ukrainian Partisan Warfare
- Russian-controlled Ukrainian Territory before February 24
- Claimed Russian Control over Ukrainian Territory
- Assessed Russian Advances in Ukraine\*
- Claimed Ukrainian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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.



# Assessed Control of Terrain Around Kherson and Mykolaiv as of May 16, 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

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

Note: The Ukrainian counteroffensive layer displays areas previously assigned to the Russian control, Russian advances, or Russian claims layers where ISW now assesses that Ukrainian forces have established a presence beyond a short-term raid. Inclusion of an area on this layer does not imply that ISW assesses that the area is part of any upcoming Ukrainian counteroffensive operation.