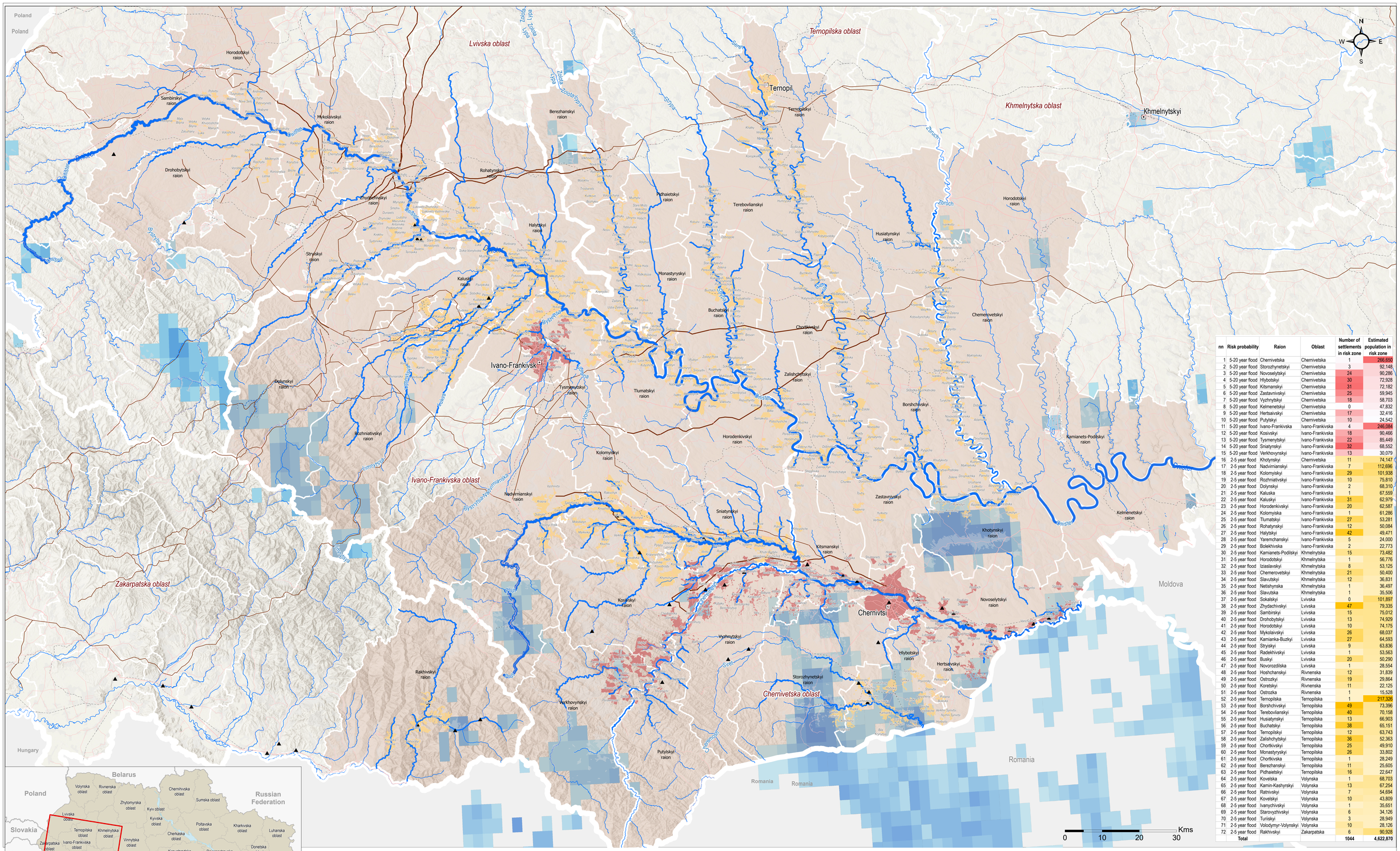
UKRAINE - West Ukraine

Flood event - June 22-25, 2020

Production date : 25 June 2020



nn	Risk probability	Raion	Oblast	Number of settlements in risk zone	Estimated population in risk zone
1	5-20 year flood	Chernivetska	Chernivetska	1	256,650
2	5-20 year flood	Storozhynetskyi	Chernivetska	3	92,148
3	5-20 year flood	Novoselytskyi	Chernivetska	24	90,286
4	5-20 year flood	Hlybotskyi	Chernivetska	30	72,928
5	5-20 year flood	Kitsmanskyi	Chernivetska	31	72,182
6	5-20 year flood	Zastavnivskyi	Chernivetska	25	59,945
7	5-20 year flood	Vyzhnytskyi	Chernivetska	18	58,703
8	5-20 year flood	Kelmenetskyi	Chernivetska	0	47,832
9	5-20 year flood	Hertsavskyi	Chernivetska	17	32,416
10	5-20 year flood	Putylskyi	Chernivetska	10	24,542
11	5-20 year flood	Ivano-Frankivska	Ivano-Frankivska	4	246,084
12	5-20 year flood	Kosivskyi	Ivano-Frankivska	18	90,466
13	5-20 year flood	Tysmenytskyi	Ivano-Frankivska	22	85,449
14	5-20 year flood	Sniatynskyi	Ivano-Frankivska	32	68,552
15	5-20 year flood	Verkhovynskyi	Ivano-Frankivska	13	30,079
16	2-5 year flood	Khotynskyi	Chernivetska	11	74,147
17	2-5 year flood	Nadvirnianskyi	Ivano-Frankivska	7	112,696
18	2-5 year flood	Kolomyiskyi	Ivano-Frankivska	29	101,938
19	2-5 year flood	Rozhniativskyi	Ivano-Frankivska	10	75,810
20	2-5 year flood	Dolynskyi	Ivano-Frankivska	2	68,310
21	2-5 year flood	Kaluska	Ivano-Frankivska	1	67,559
22	2-5 year flood	Kaluskyi	Ivano-Frankivska	31	62,979
23	2-5 year flood	Horodenkivskyi	Ivano-Frankivska	20	62,587
24	2-5 year flood	Kolomyiska	Ivano-Frankivska	1	61,286
25	2-5 year flood	Tlumatskyi	Ivano-Frankivska	27	53,281
26	2-5 year flood	Rohatynskyi	Ivano-Frankivska	12	50,084
27	2-5 year flood	Halytskyi	Ivano-Frankivska	42	49,471
28	2-5 year flood	Yaremchanskyi	Ivano-Frankivska	5	24,000
29	2-5 year flood	Bolekhivska	Ivano-Frankivska	2	22,773
30	2-5 year flood	Kamianets-Podilskyi	Khmelnytska	15	73,482
31	2-5 year flood	Horodotskyi	Khmelnytska	1	56,776
32	2-5 year flood	Izias1avskyi	Khmelnytska	8	53,125
33	2-5 year flood	Chemerovetskyi	Khmelnytska	21	50,400
34	2-5 year flood	Slavutskyi	Khmelnytska	12	36,831
35	2-5 year flood	Netishynska	Khmelnytska	1	36,497
36	2-5 year flood	Slavutska	Khmelnytska	1	35,506
37	2-5 year flood	Sokalskyi	Lvivska	0	101,897
38	2-5 year flood	Zhydachivskyi	Lvivska	47	79,335
39	2-5 year flood	Sambirskyi	Lvivska	15	75,012
40	2-5 year flood	Drohobytskyi	Lvivska	13	74,929
41	2-5 year flood	Horodotskyi	Lvivska	10	74,175
42	2-5 year flood	Mykolaivskyi	Lvivska	26	68,037
43	2-5 year flood	Kamianka-Buzkyi	Lvivska	27	64,593
44	2-5 year flood	Stryskyi	Lvivska	9	63,836
45	2-5 year flood	Radekhivskyi	Lvivska	1	53,563
46	2-5 year flood	Buskyi	Lvivska	20	50,290
47	2-5 year flood	Novorozdilska	Lvivska	1	28,554
48	2-5 year flood	Hoshchanskyi	Rivnenska	12	31,839
49	2-5 year flood	Ostrozkyi	Rivnenska	19	29,864
50	2-5 year flood	Koretskyi	Rivnenska	11	22,125
51	2-5 year flood	Ostrozka	Rivnenska	1	15,528
52	2-5 year flood	Ternopilska	Ternopilska	1	217,326
53	2-5 year flood	Borshchivskyi	Ternopilska	49	73,396
54	2-5 year flood	Terebovlianskyi	Ternopilska	40	70,158
55	2-5 year flood	Husiatynskyi	Ternopilska	13	66,903
56	2-5 year flood	Buchatskyi	Ternopilska	38	65,151
57	2-5 year flood	Ternopilskyi	Ternopilska	12	63,743
58	2-5 year flood	Zalishchytskyi	Ternopilska	36	52,363
59	2-5 year flood	Chortkivskyi	Ternopilska	25	49,910
60	2-5 year flood	Monastyrynskyi	Ternopilska	26	33,802
61	2-5 year flood	Chortkivska	Ternopilska	1	28,249
62	2-5 year flood	Berezhanskyi	Ternopilska	11	25,605
63	2-5 year flood	Pidhaietskyi	Ternopilska	16	22,647
64	2-5 year flood	Kovelska	Volynska	1	68,703
65	2-5 year flood	Kamin-Kashyrskyi	Volynska	13	67,254
66	2-5 year flood	Ratnivskyi	Volynska	7	54,694
67	2-5 year flood	Kovelskyi	Volynska	10	43,809
68	2-5 year flood	Ivanychivskyi	Volynska	1	35,651
69	2-5 year flood	Starovyzhivskyi	Volynska	6	34,126
70	2-5 year flood	Turiskyi	Volynska	3	28,949
71	2-5 year flood	Volodymyr-Volynskyi	Volynska	10	28,126
72	2-5 year flood	Rakhivskyi	Zakarpatska	6	90,928
	Total			**1044**	**4,622,870**

Settlements in flood risk zone

Flood Probability according to GLOFAS (June 25, 2020)

- 2-5 year flood
- 5-20 year flood
- Raions in flood risk zone
- ▲ Reported damages by State Water Agency of Ukraine (damaged dams, roads, flooding of residential areas and crop fields)

- Settlements
- Rivers
- Railways
- Pipelines

Roads

- Motoways, primary roads
- Tertiary and secondary roads

Soil Moisture Index
June 19-21, 2020

- ≤ 194
- ≤ 195
- ≤ 196
- ≤ 197
- ≤ 198
- ≤ 199
- ≤200

Methodology note:
On June 22, 2020 severe floods due to heavy rain and logging started in Western Ukraine. Heavy rains also led to a significant increase in soil moisture, generating landslides which have affected roads and access to isolated areas. High soil moisture values doesn't necessarily mean flooding has occurred in those areas, but indicate the area of higher landslide risk.
The information on this uses data from the Global Flood Awareness System (GLOFAS) to detect the areas (raions and settlements) where flood events have occurred and are likely to occur in the next 2-3 days. The flood summary layer shows the flood probability level indicating where the ensemble mean discharge for the next 1-3 days is more than 5-20 year mean or more than the 2-5 year mean, highlighting the severity of flooding events. Data from the state water agency was also added to the map to show infrastructure that has been damaged by the disaster.

Data sources:
Administrative boundaries: OCHA
OSM: rivers, railways, roads, pipelines
Flood risk areas: GLOFAS (https://www.globalfloods.eu)
Soil Moisture Index: Copernicus Global Land Service
Damages location: State Water Agency of Ukraine reports

Coordinate System:WGS 1984 UTM Zone 34N
Projection: Transverse Mercator
File: REACH_UKR_map_WestUkraine_flood_26JUNE2020_A0
Contact: kyiv.gis-officer@impact-initiatives.org

Note: Data, designations and boundaries contained on this map are not warranted to be error-free and do not imply acceptance by the REACH partners, associated, donors mentioned on this map.

PREVENT PREPARE PROTECT

European Union Civil Protection and Humanitarian Aid

ACTED

REACH An initiative of IMPACT Initiatives ACTED and UNOSAT