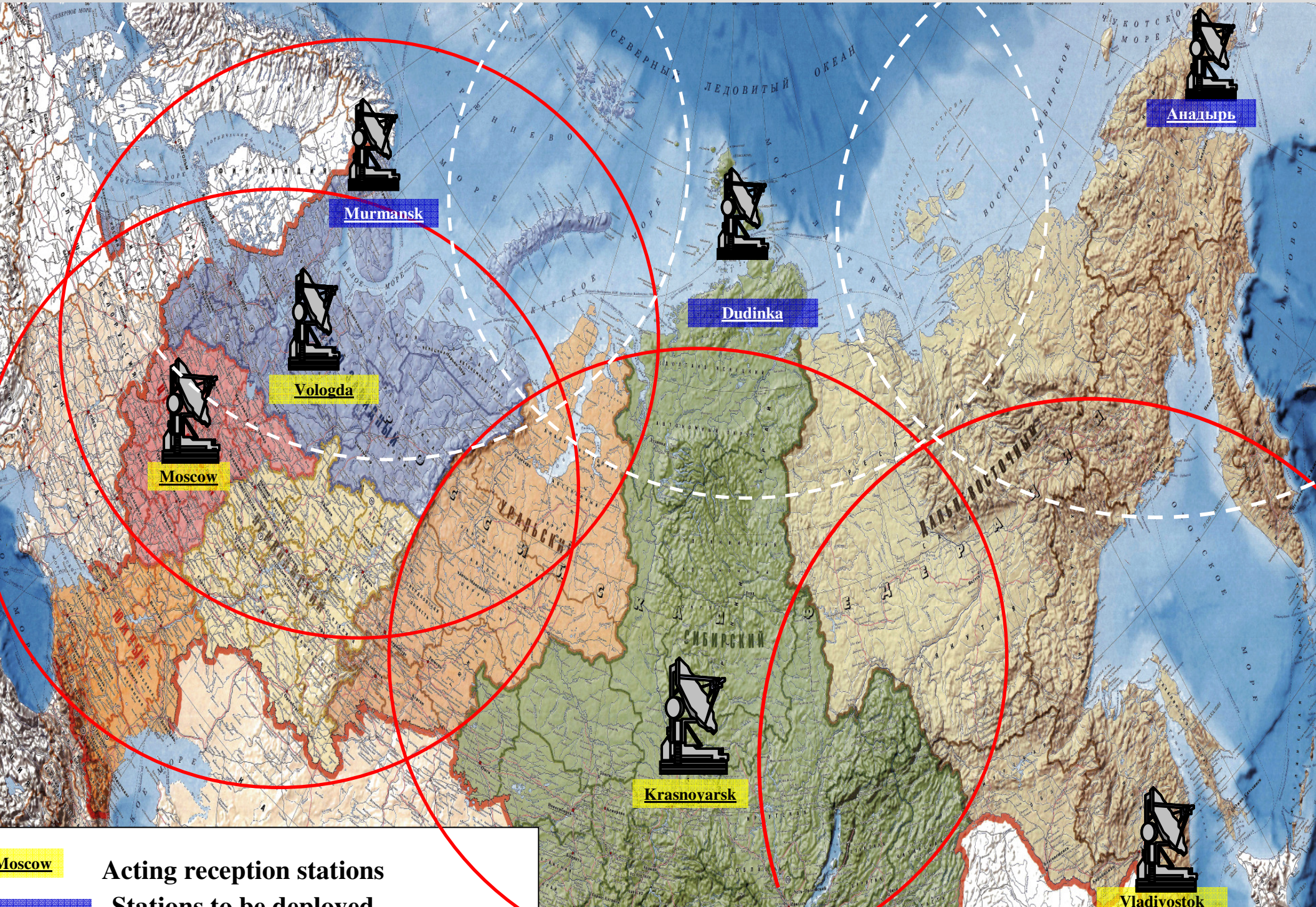
EXPERIENCE OF USING EARTH REMOTE SENSING DATA FOR MONITORING AND EMERGENCY SITUATIONS FORECASTING IN RUSSIAN FEDERATION

EMEREGENCIES SPACE MONITORING SYSTEM AND ITS DEVELOPMENT UNTIL 2015



TASKS TO BE RESOLVED BASED ON INFORMATION, RECEIVED BY EMERGENCY SPACE MONITORING SYSTEM

Tasks to be resolved based on real-time data from space:

1. Situation assessment within emergency areas, assessment of condition of potentially hazardous facilities and sites, located within the areas increased risk of emergency

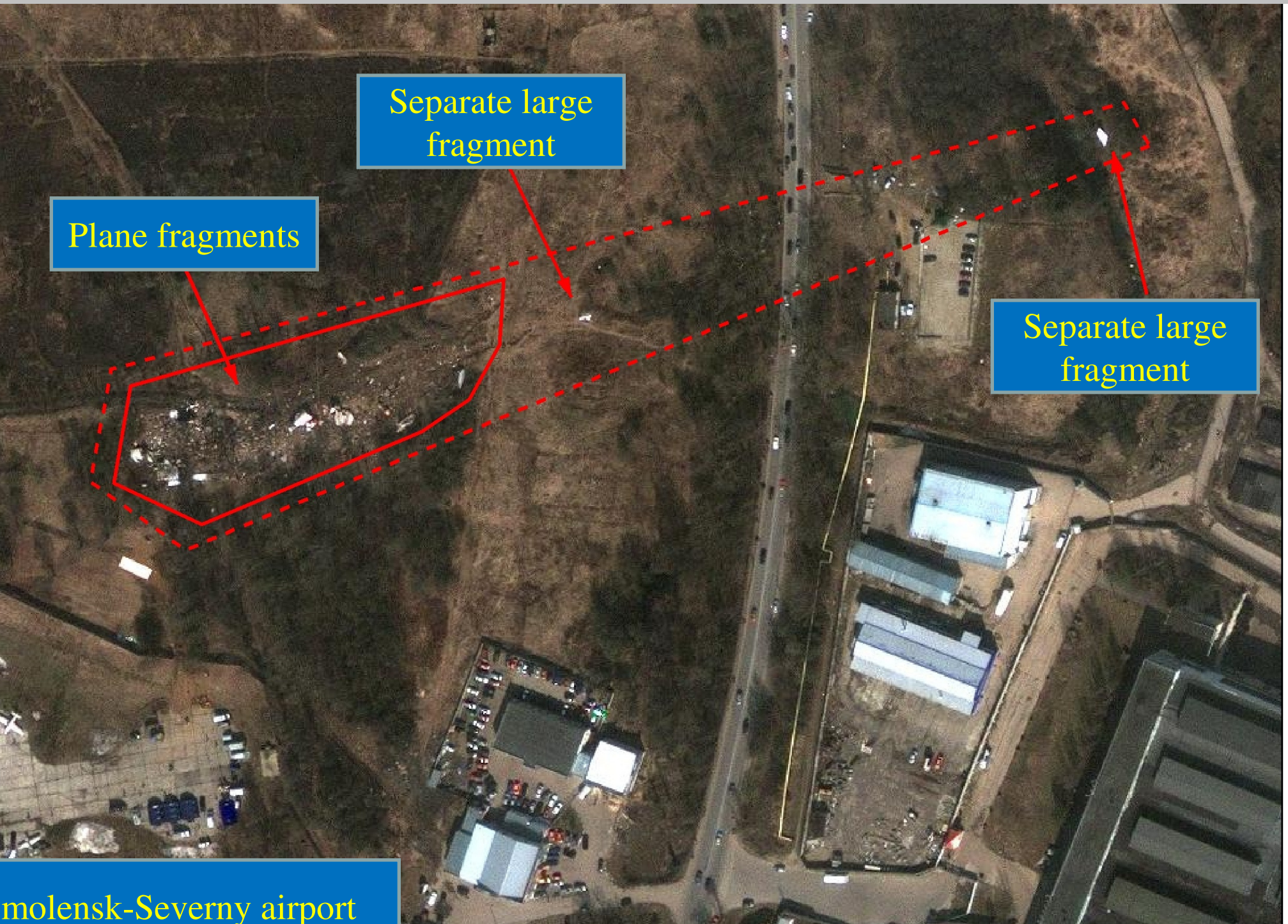
2. Monitoring of emergency situations related to flash and season floods.

3. Wildfires monitoring.

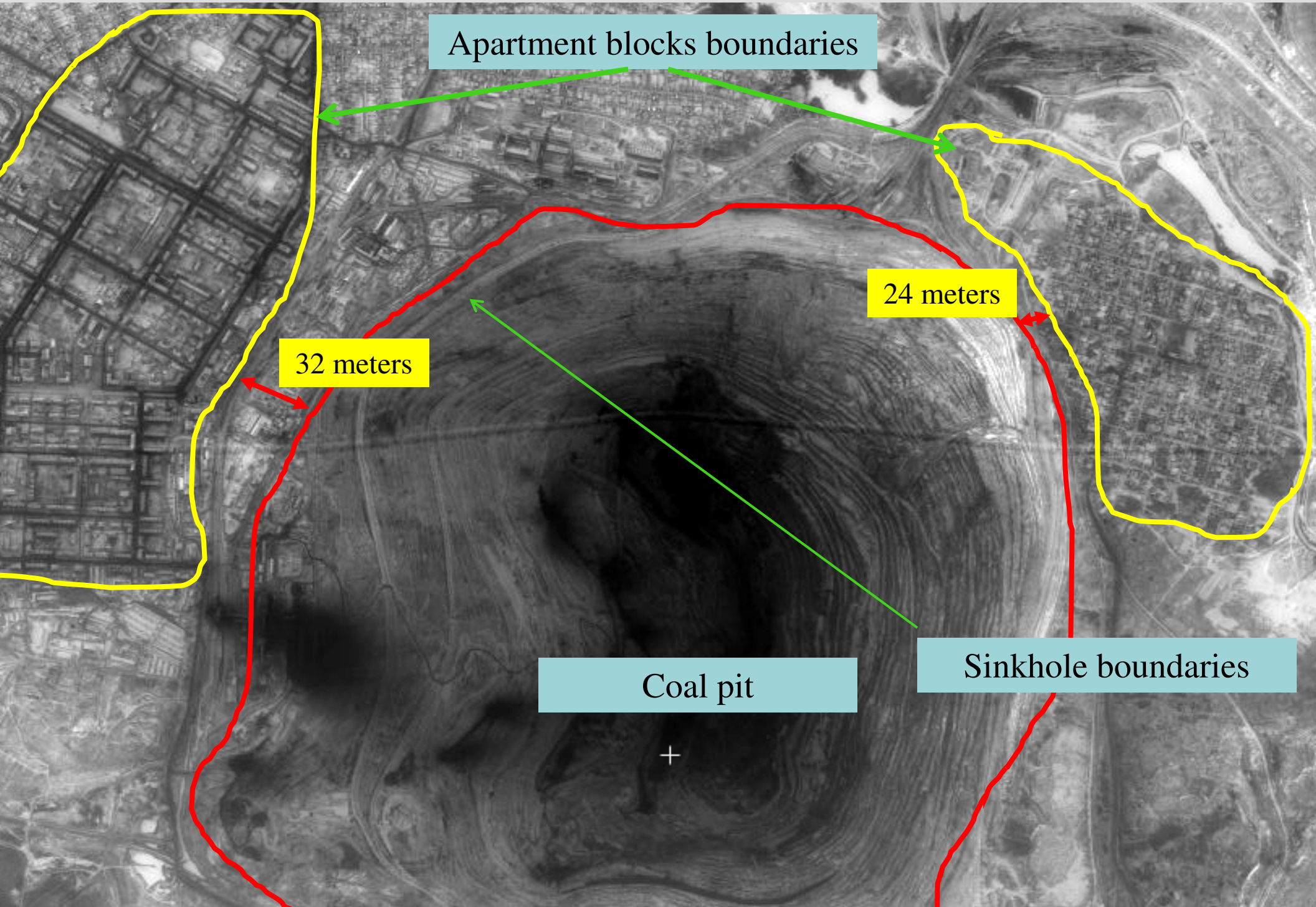
4. Assessment of oil spills size and their propagation dynamics.

5. Search for sites in state of emergency in hard-to-reach and maritime areas.

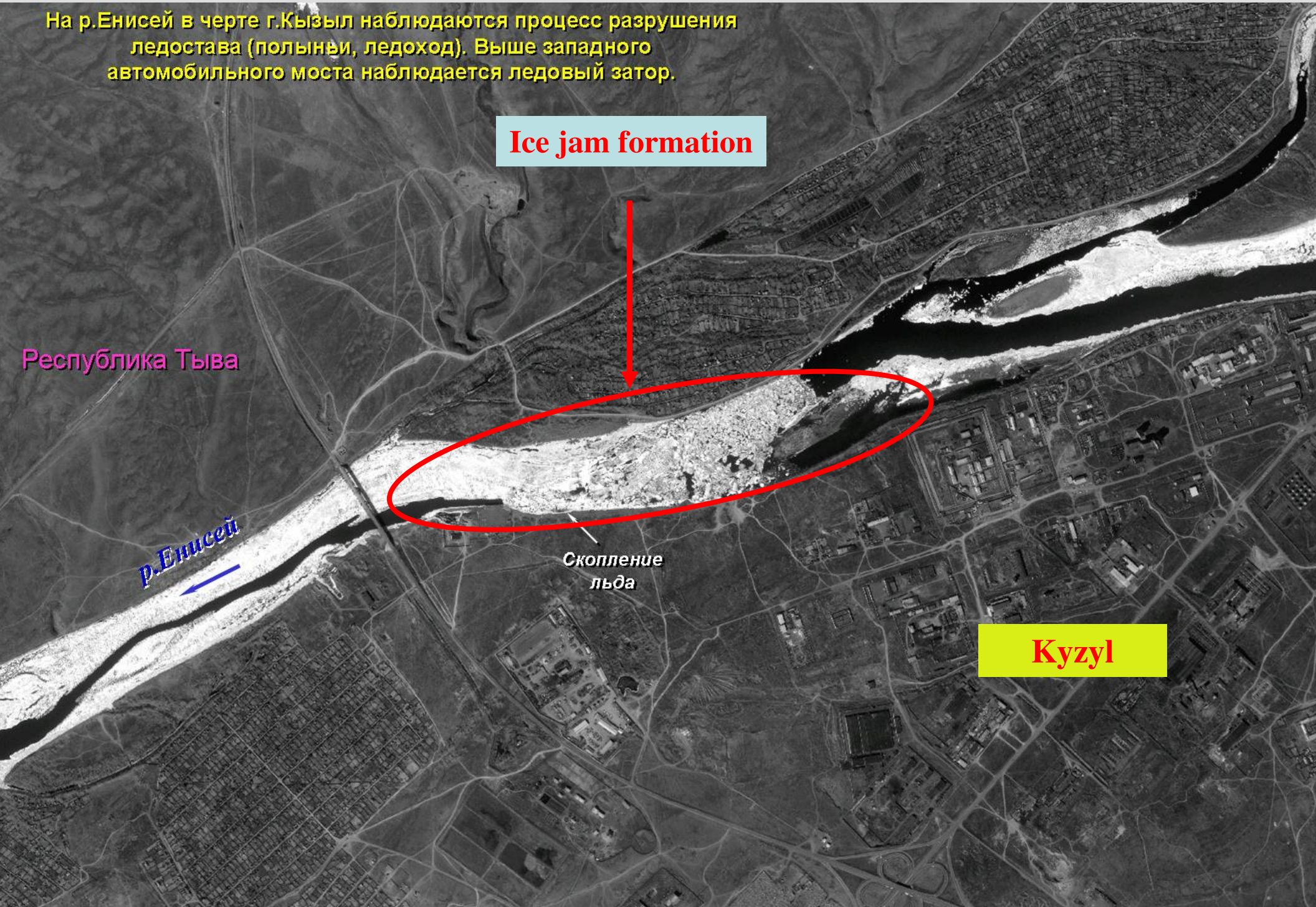
SATELLITE IMAGE OF THE PLANE CRASH AREA NEAR SMOLENSK-SEVERNY AIRPORT



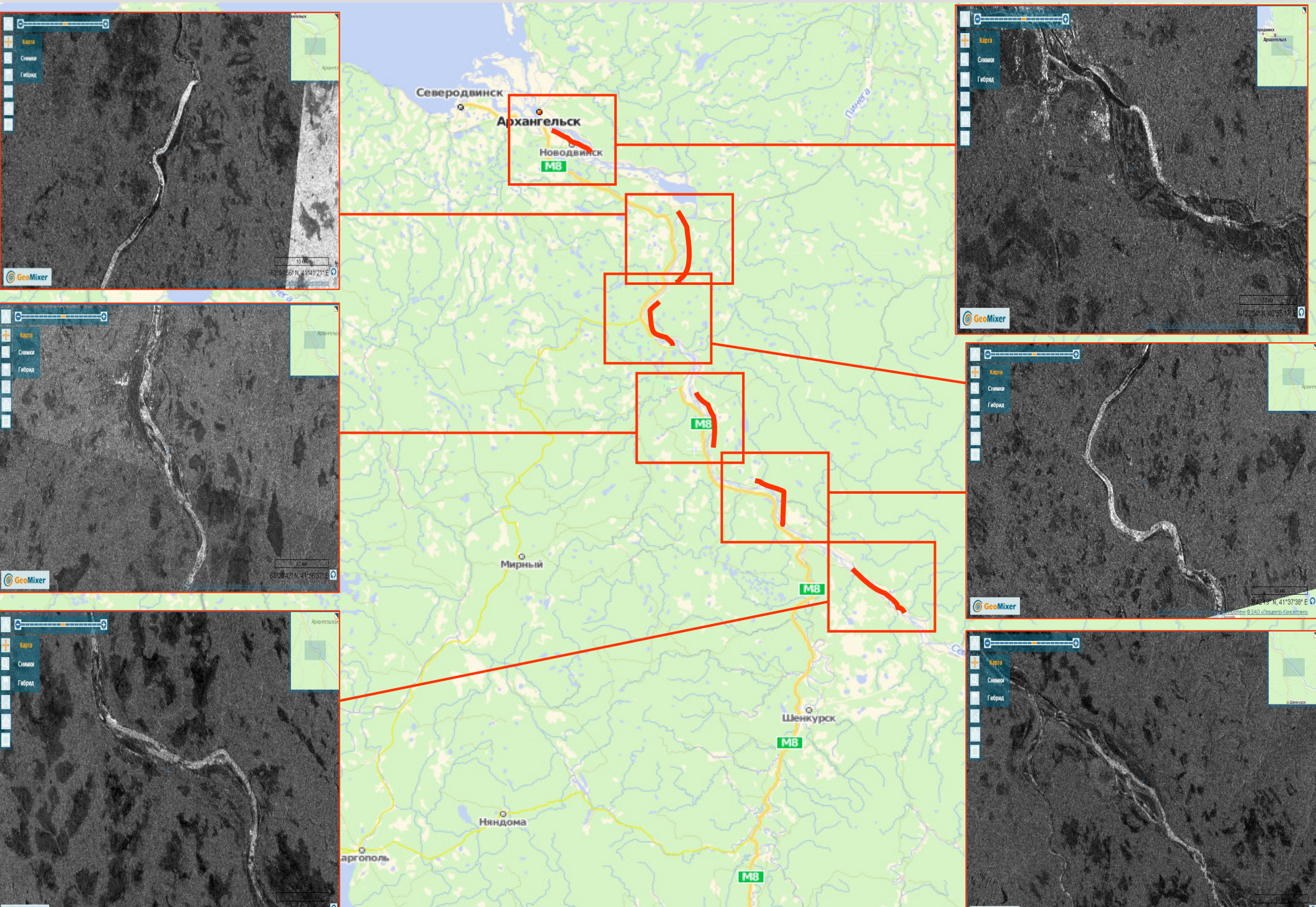
SATELLITE IMAGE OF THE SINKHOLE WITHIN DANGEROUS PROXIMITY OF THE KORKINO RESIDENTIAL AREA, CHELYABINSK REGION



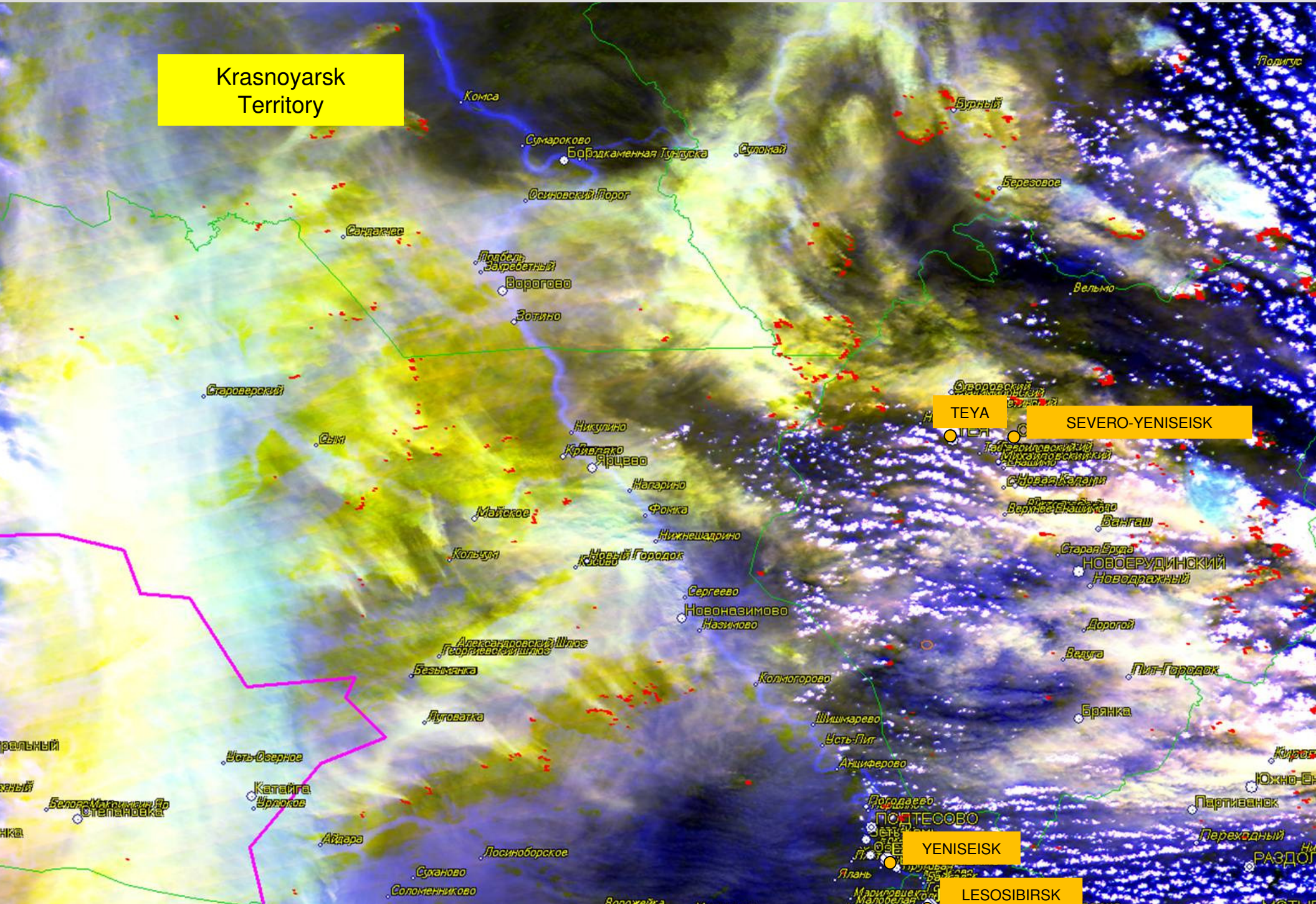
HYDROLOGICAL SITUATION AS PER SPACE MONITORING DATA
(Yenisei River area near Kyzyl town)



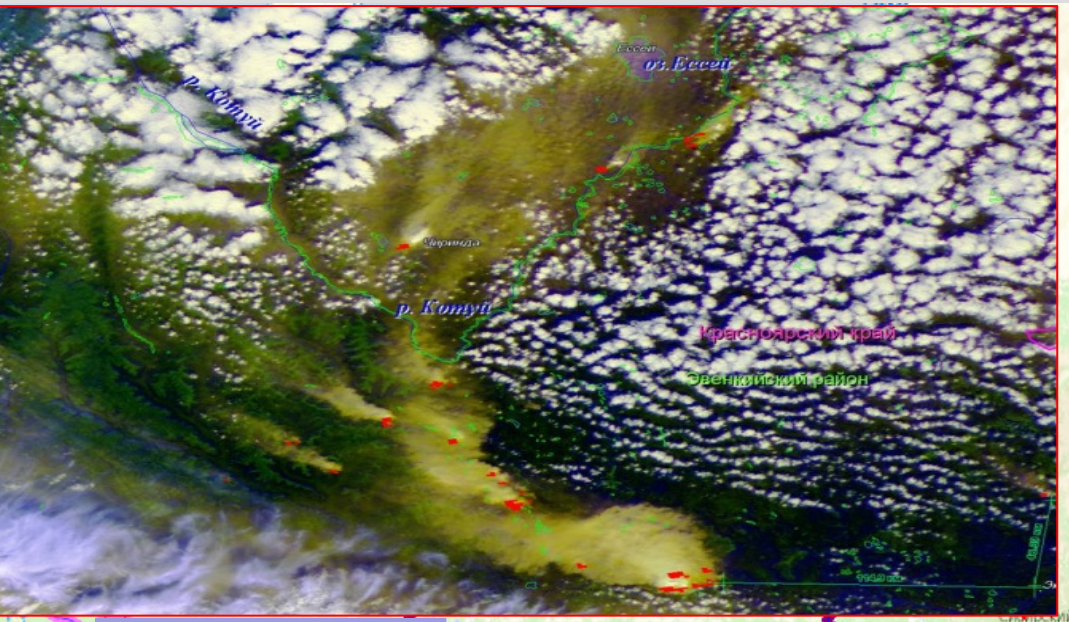
ICE JAMS ON THE SEVERNAYA DVINA RIVER
(per space monitoring data as of March 1, 2012)



WILDFIRES SITUATION IN KRASNOYARSK TERRITORY
(per space monitoring data as of 27.07.2012)



OVERALL INFORMATION ON WILDFIRES IN SIBERIAN REGION
(as of 16:00 02.08.2012)



THERMAL SPOTS – 1499
DANGEROUS – 45

URALS FEDERAL DISTRICT

ЯНАО

Krasnoyarsk Territory

XMAO

KHANTY-MANSIYSK

0,15 MPC

0,8 MPC

Tomsk Region

Omsk Region

TOMSK

KRASNOYARSK

OMSK

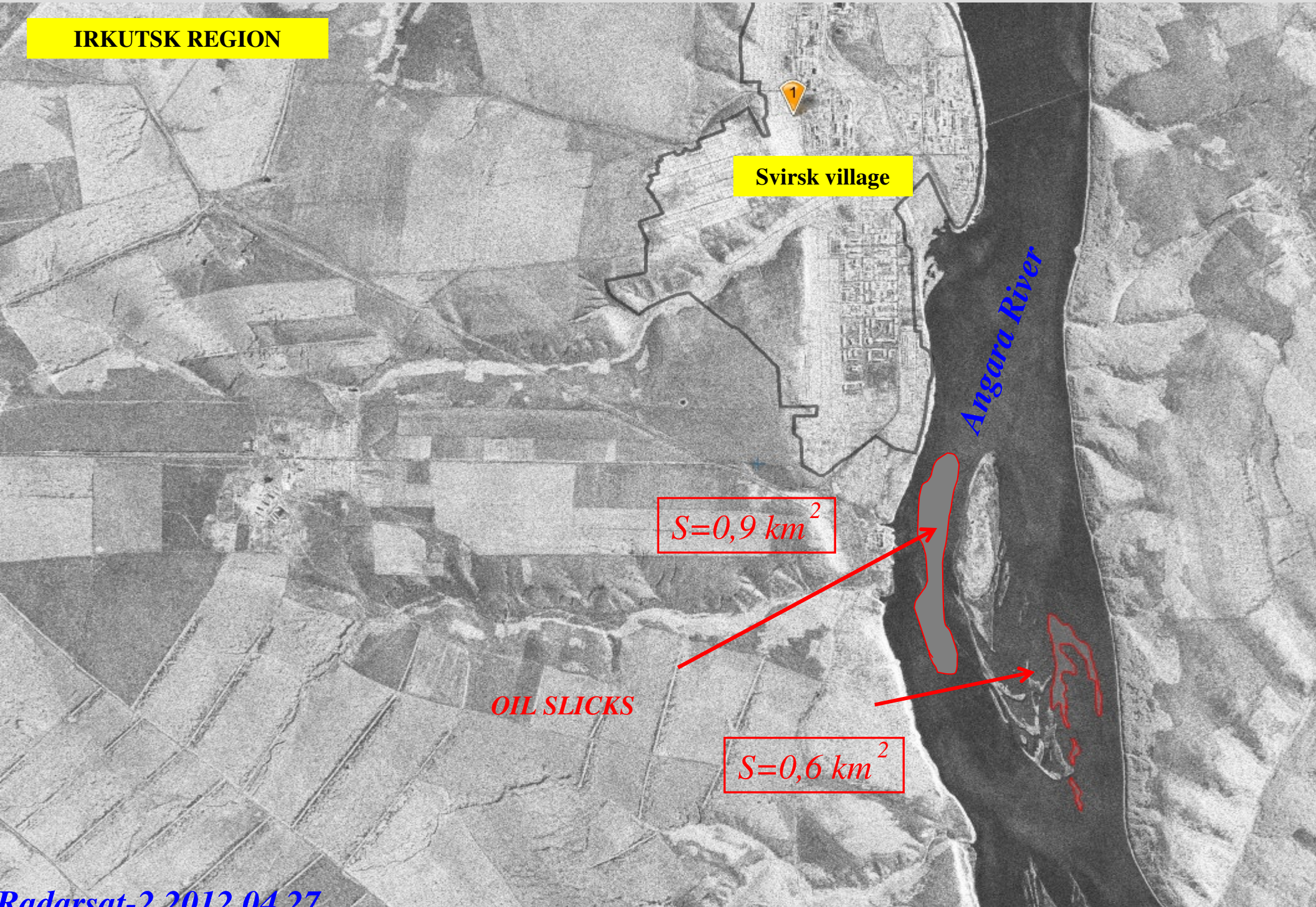
0,02 MPC

0,51 MPC

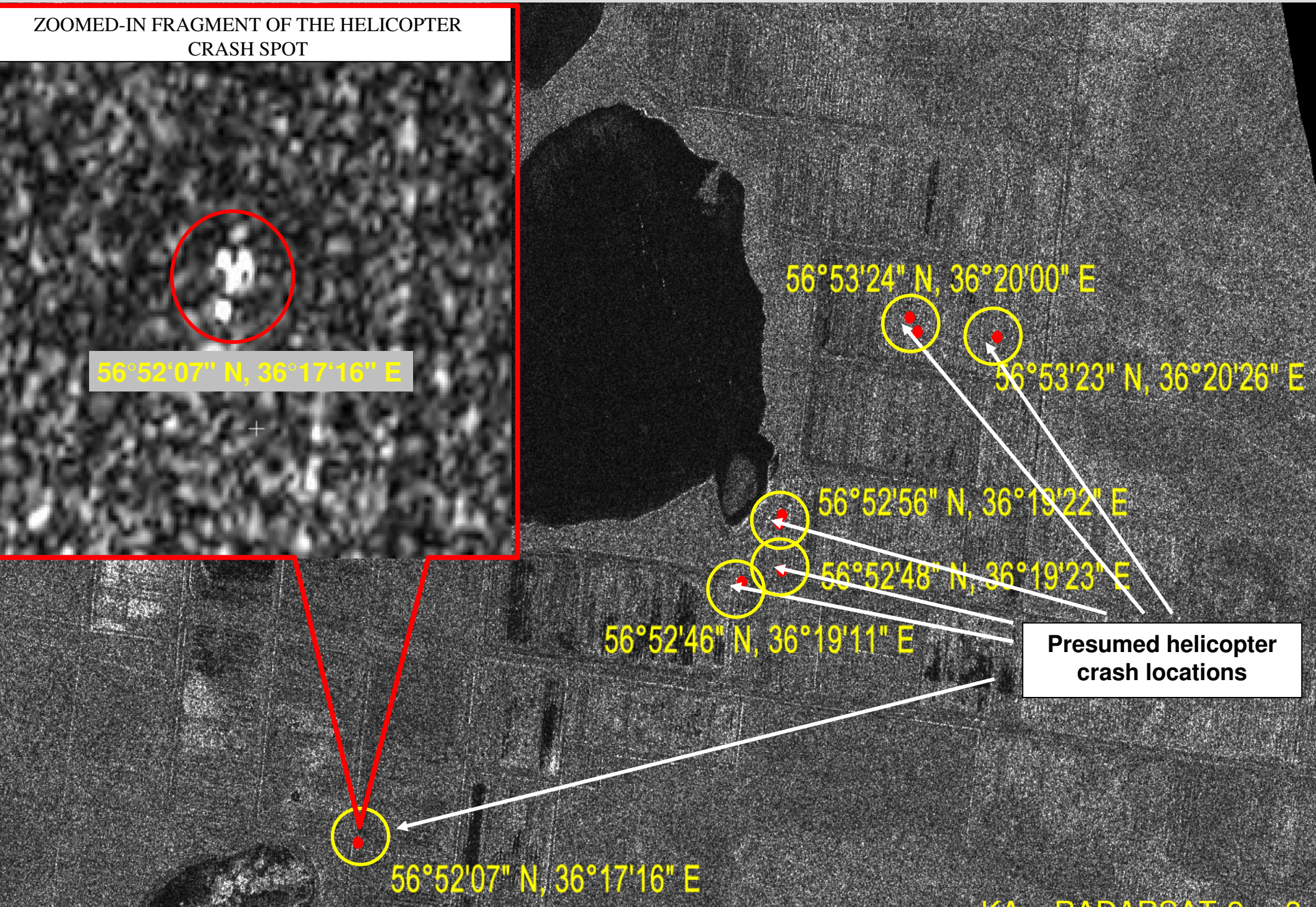
Legend

Thermal anomaly

SPACE IMAGE OF THE EMERGENCY OIL SPILL IN IRKUTSK REGION
ON THE ANGARA RIVER



SPACE IMAGE OF THE LOST HELICOPTER SEARCH AREA IN TVER REGION
(as of 19.04 Moscow time on November 21, 2012)



SPACE IMAGE OF THE SHIP-IN-DISTRESS SEARCH AREA AT WHITE SEA
(as of 14.13 Moscow time 16.11.2012)