

The background of the slide is a light gray gradient with several realistic water droplets of various sizes scattered across it. The droplets have highlights and shadows, giving them a three-dimensional appearance.

MICROPLASTICS IN THE COASTAL SEA WATER OF RUSSIA

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TOYAMA, JAPAN, 2017

MARINE LITTER PROBLEM IN COASTAL AREA



«...ONCE YOU GOT IN THE MORNING, WASHED AND TIDIED YOURSELF UP – SWEEP UP A MESS ON YOUR PLANET» - THE LITTLE PRINCE.



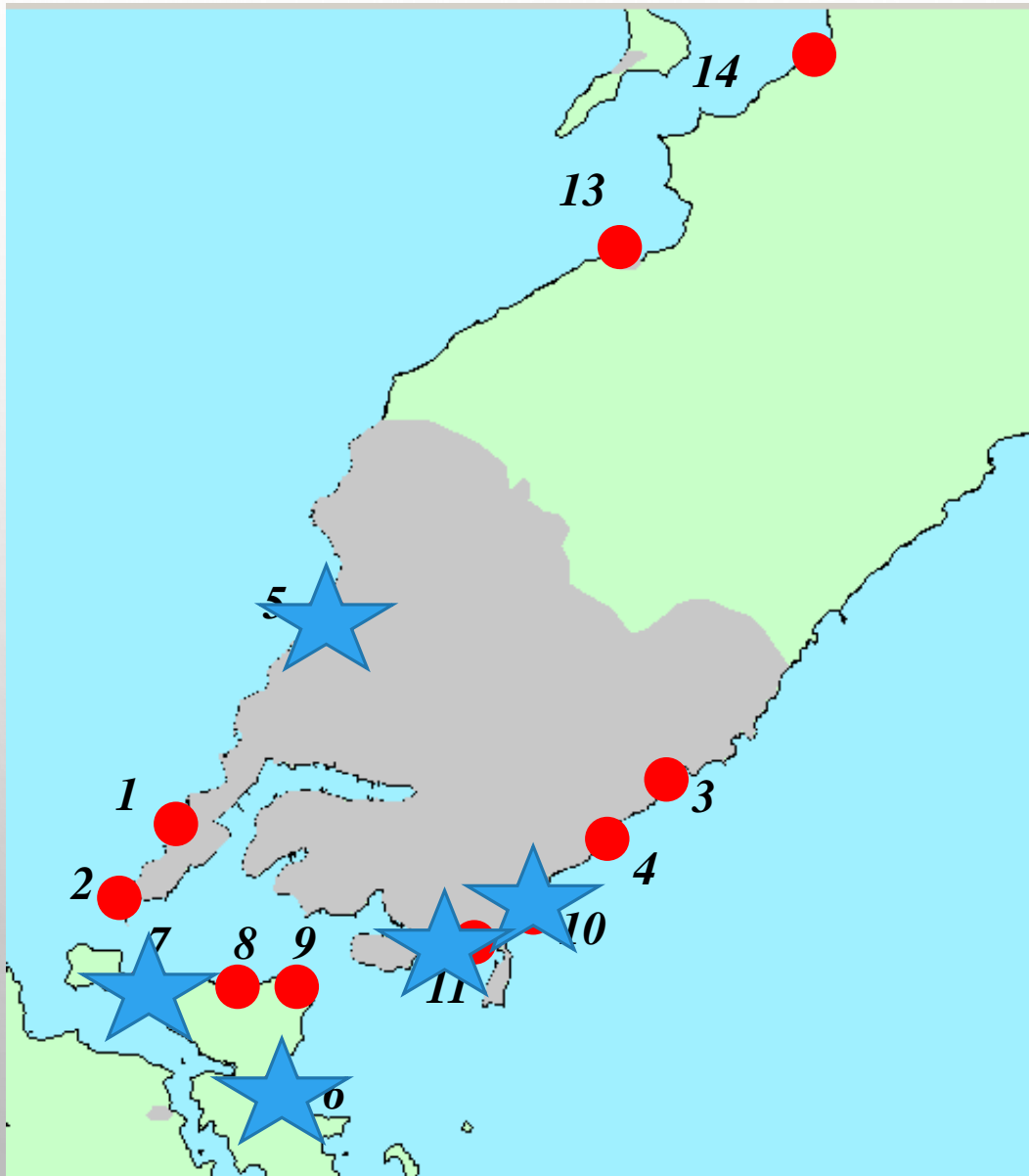
MICROPLASTIC GENERATION

Fragments used in consumer goods
with sewage water

Bigger garbage weathering in
marine and littoral environment

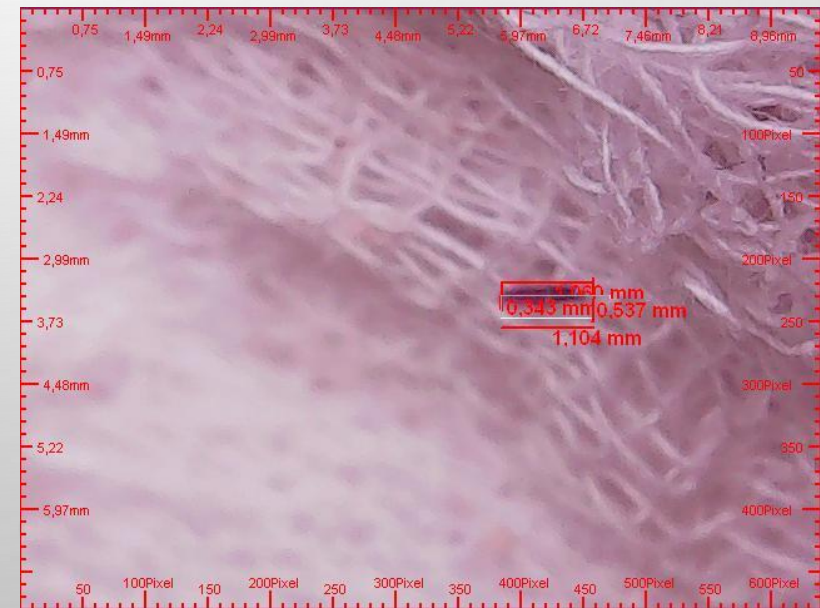
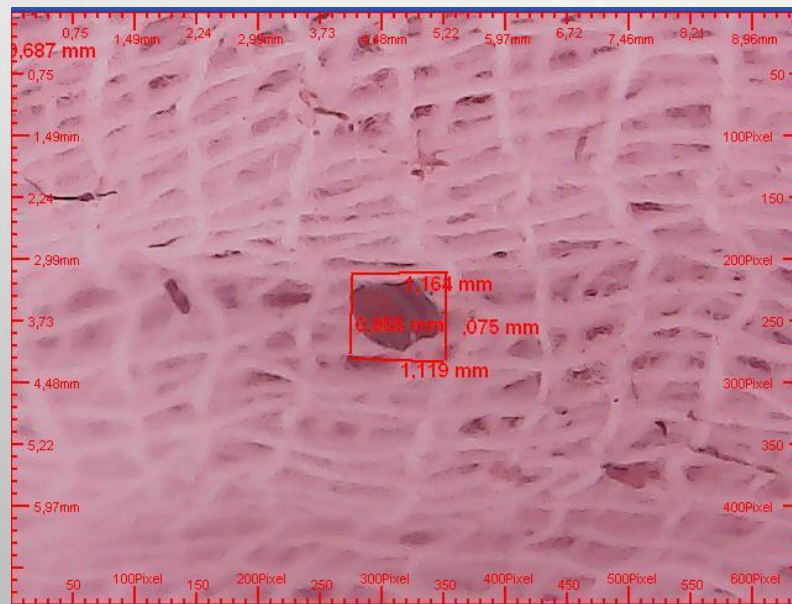
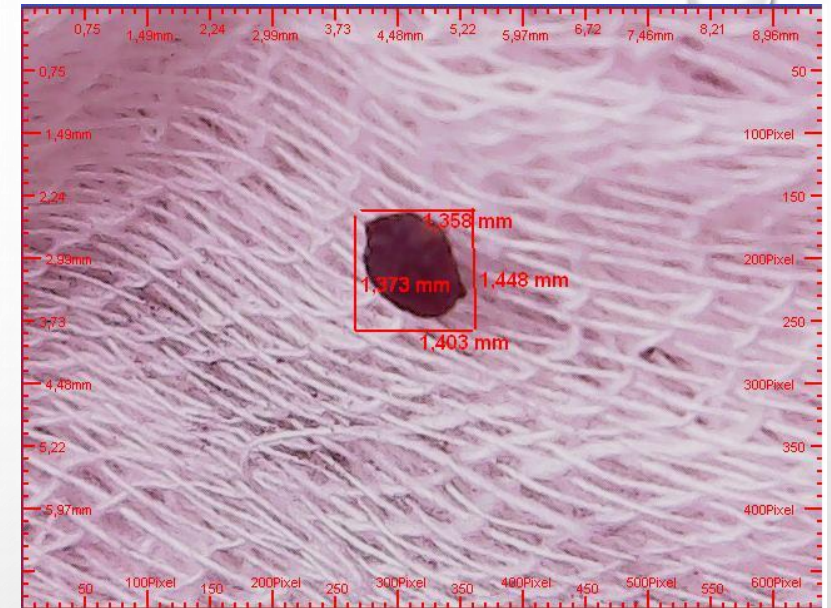
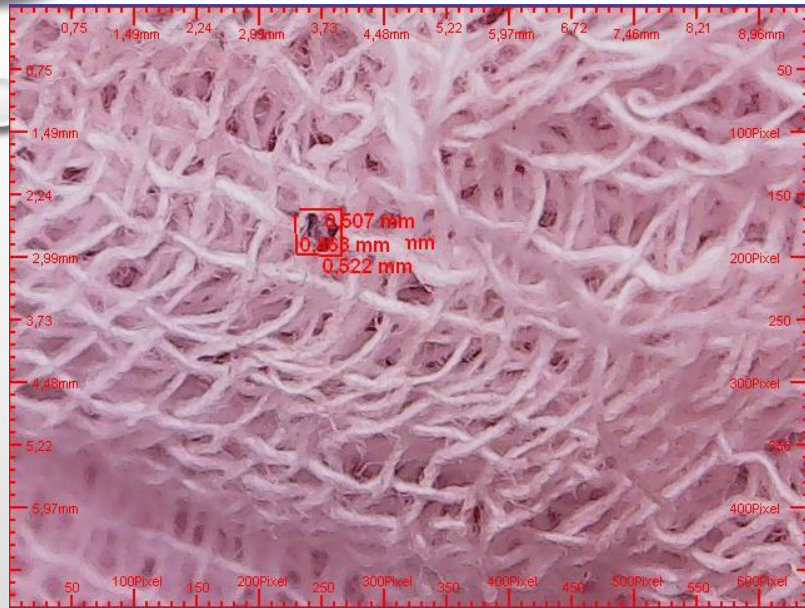


MICROPLASTIC MONITORING SITES, 2014

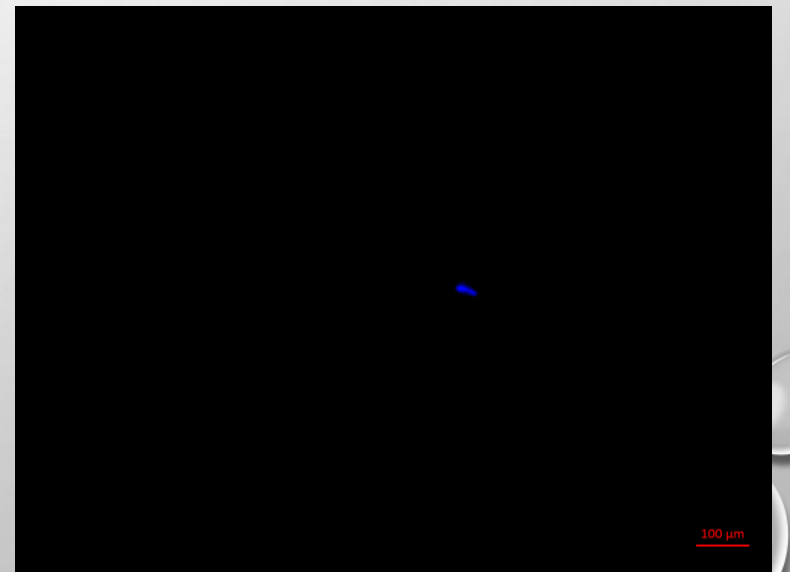
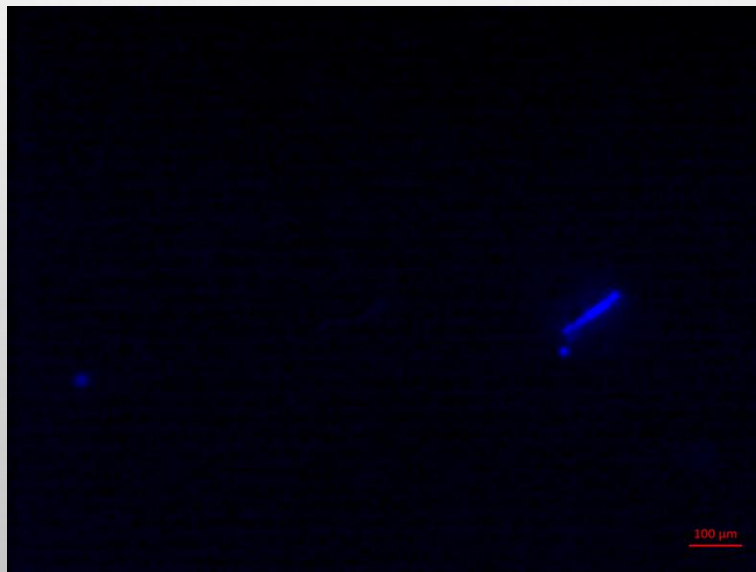
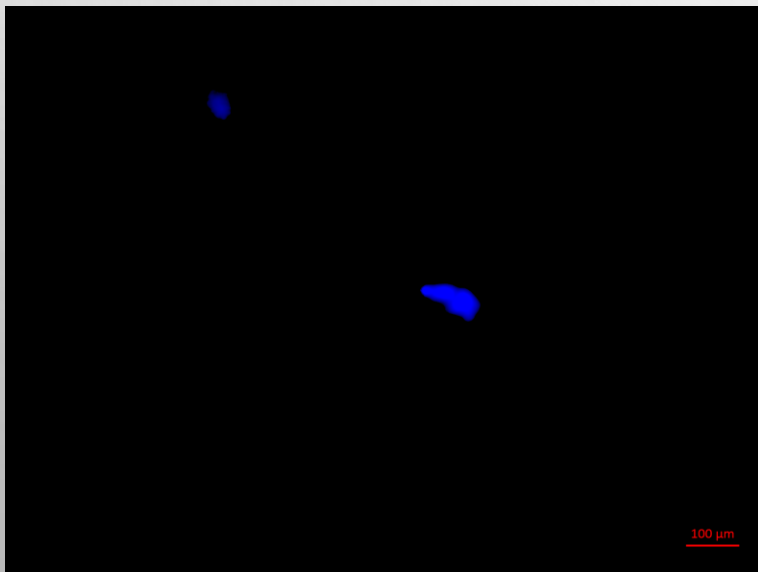
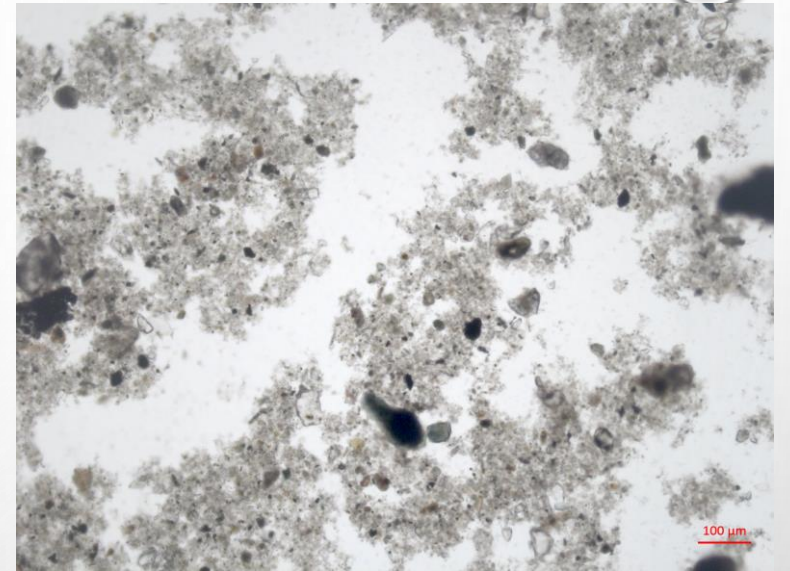
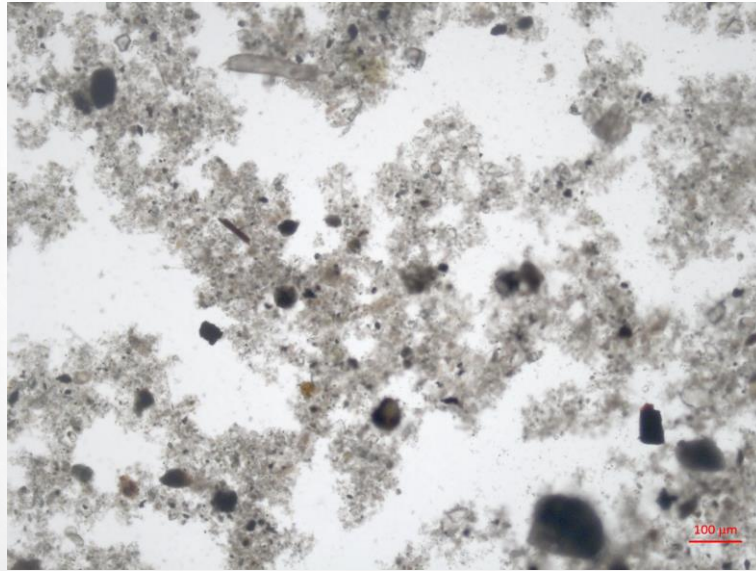
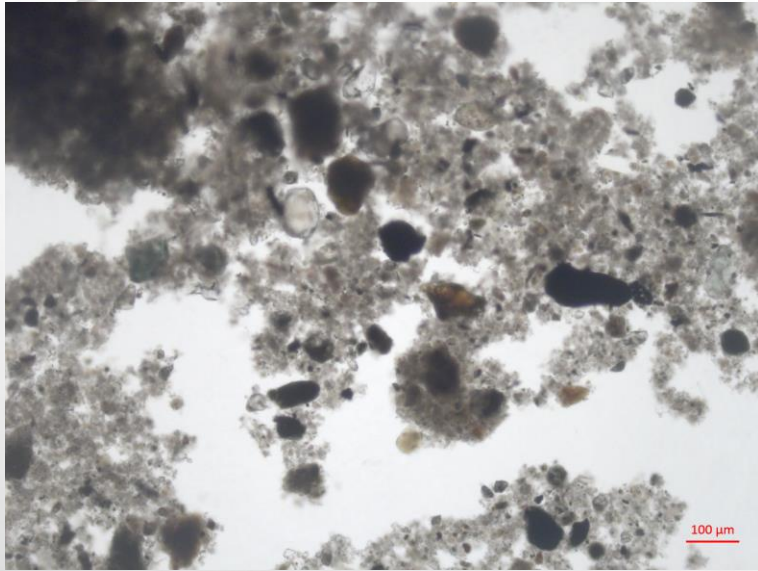


1. Fedorova bay (Vladivostok);
2. Tokarevsky lighthouse;
3. Steklyannaya bay;
4. Gornostay bay;
5. Vtoraya rechka mouth;
6. Ayaks bay;
7. Channel;
8. Pospelova cape
9. Bosfor Vostochny strait;
10. Patrokl bay;
11. Uliss bay;
12. Bogataya river mouth
13. Uglovoy bay

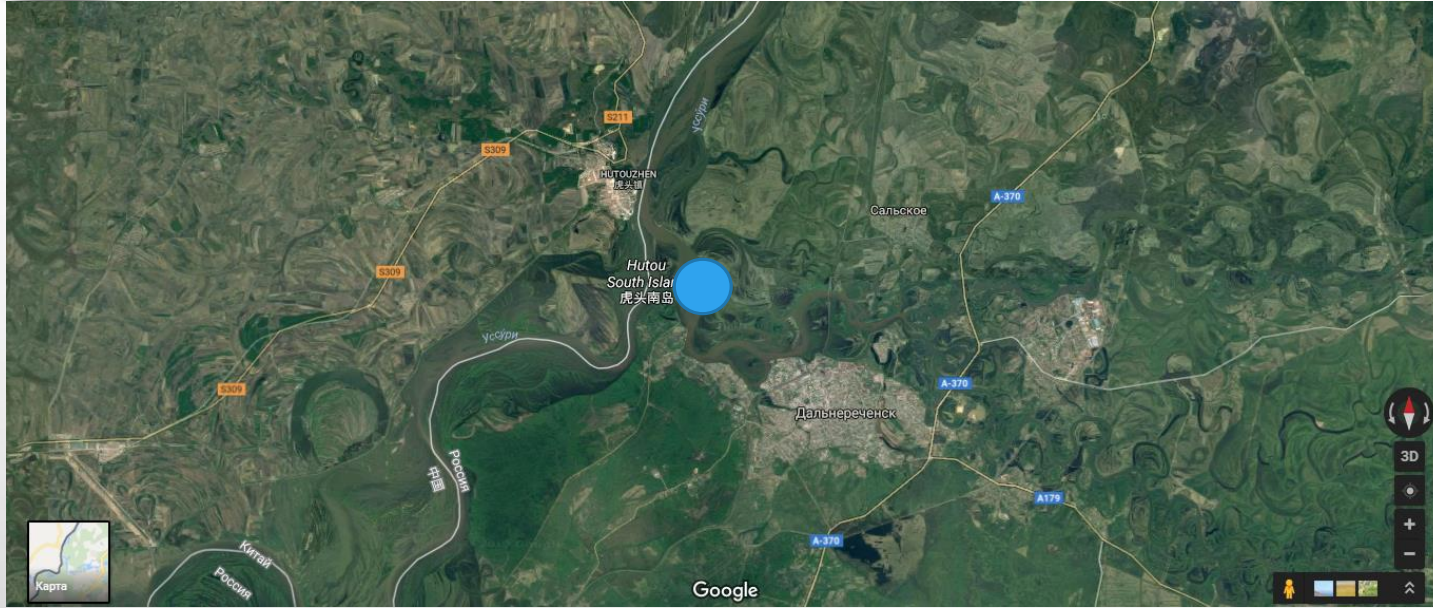
MICROPLASTIC SAMPLES



MICROPLASTIC SAMPLES



MICROPLASTIC IN THE RIVERS WATER

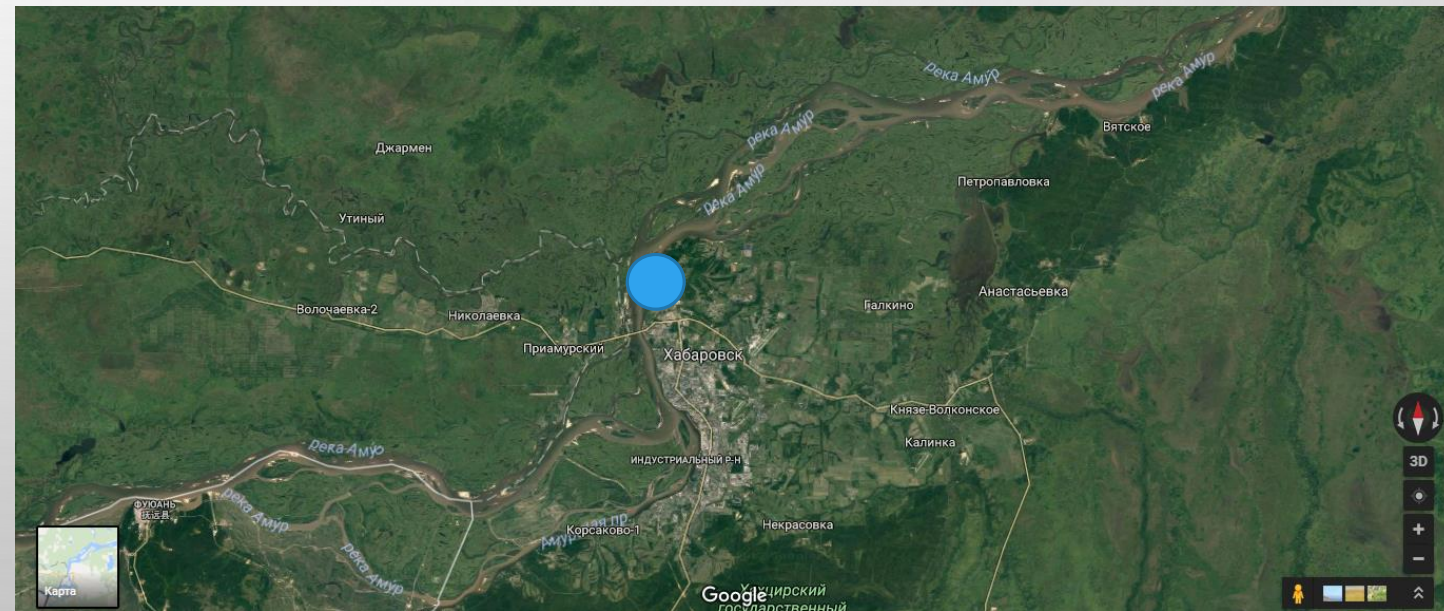


Ussuri river (Dalneretchensk city)

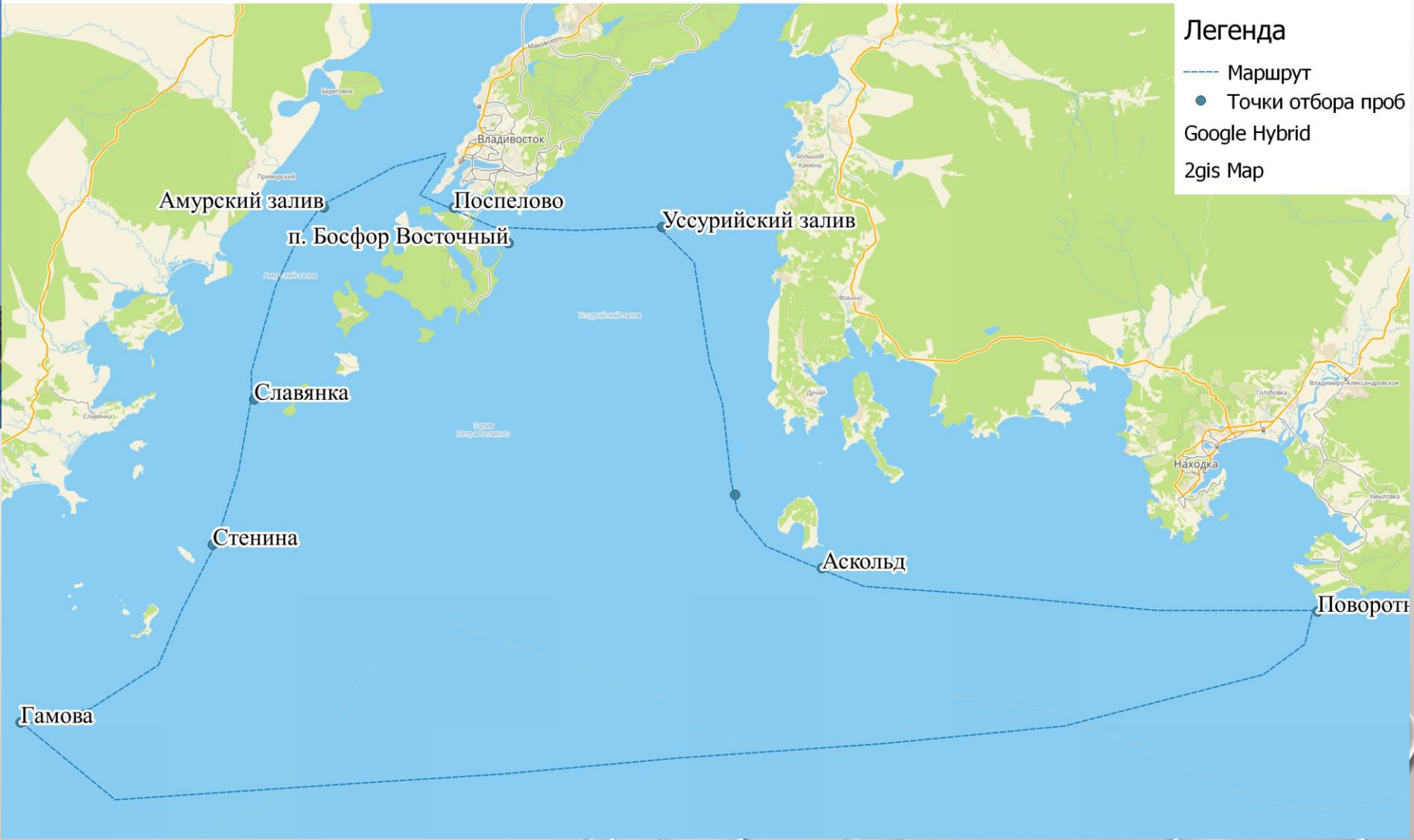


Place of sampling

Amur river (Khabarovsk city)



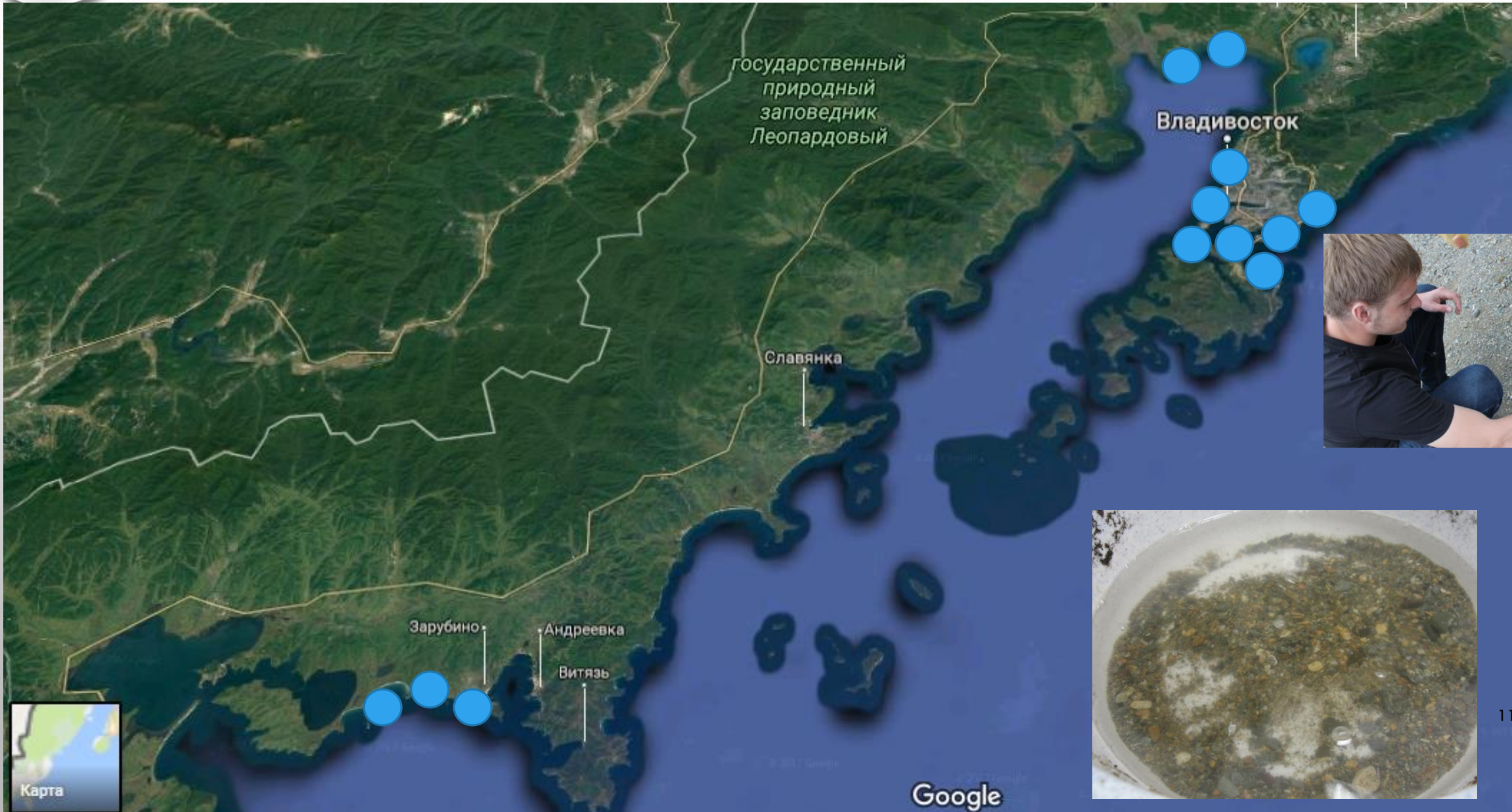
EXPEDITION ROUTE - 2017



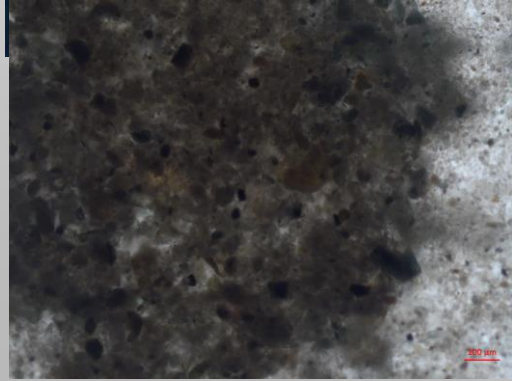
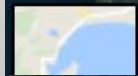
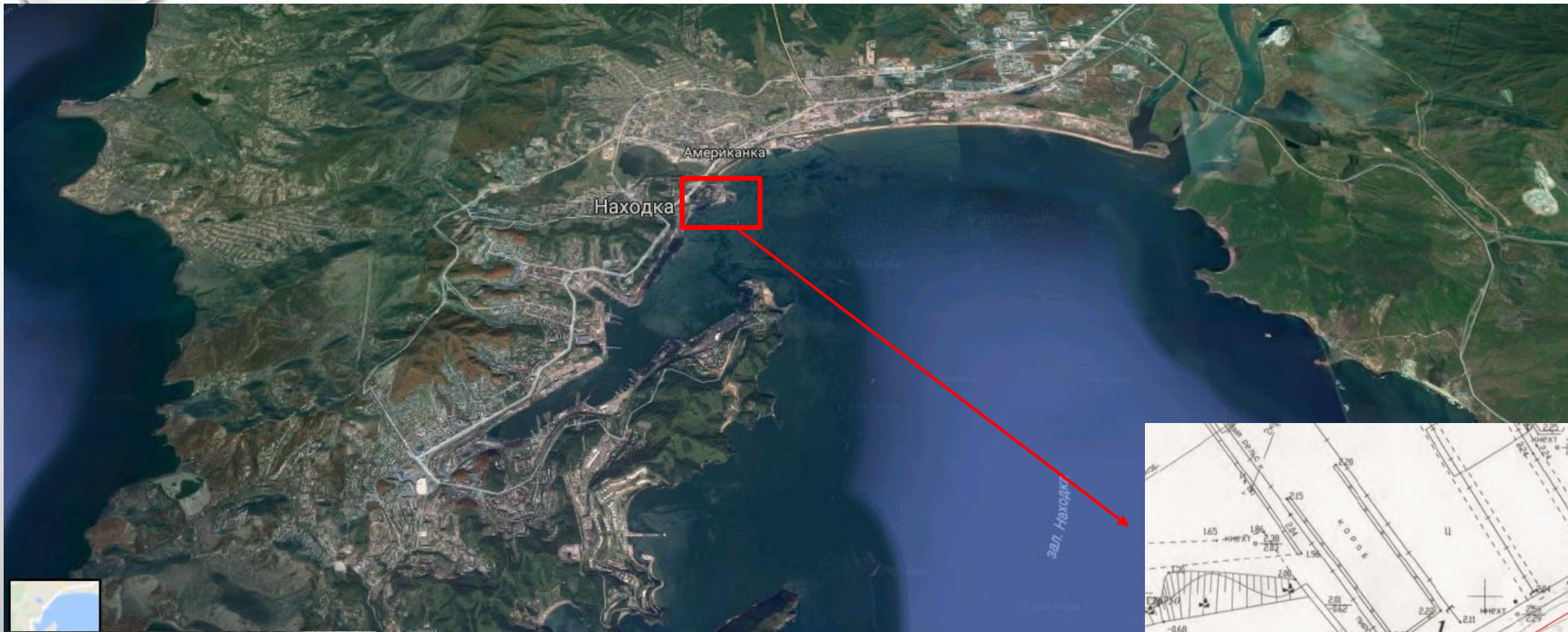
MICROPLASTIC SAMPLING



MICROPLASTIC IN COASTAL GROUND



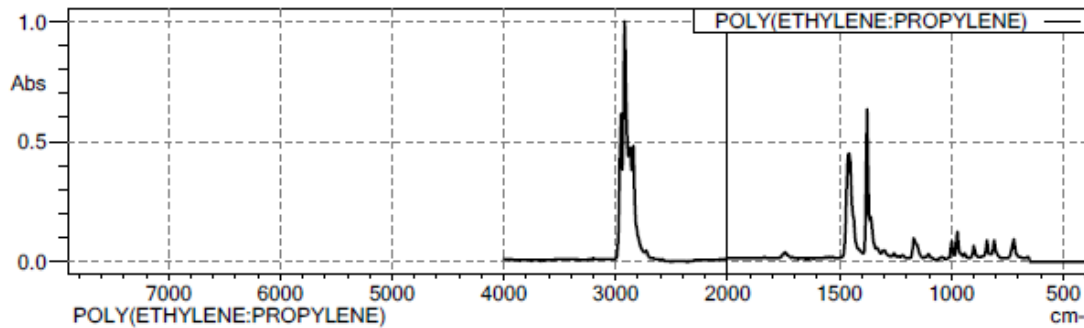
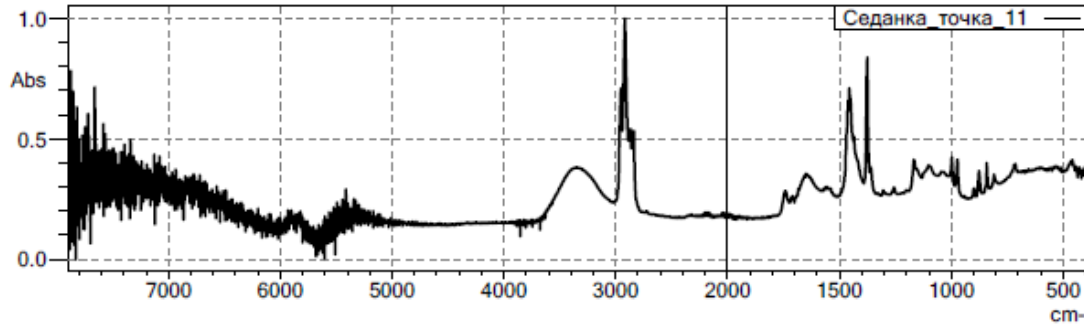
MICROPLASTIC IN UNDERWATER GROUND



MICROPLASTIC IN ARCTIC ZONE



MASS-SPECTROMETRIC METHOD OF RESEARCH



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	Score	Library	Name	Comment
1	908	11105 - ATR, Aldrich-IChem ATR 3slu-4-1\ATRAI1404-1	POLY(ETHYLENE:PROPYLENE)	POLY(ETHYLENE:PROPYLENE) C15H30X2 9010-79-1 ATR single bounce © 2009 Nicodrom MP0386/ NIC08659
2	903	10174 - ATR, Aldrich-IChem ATR 1slu-4-1\ATRAI1404-1	POLYPROPYLENE+POLY(ETHYLENE:PROPYLENE)	POLYPROPYLENE+POLY(ETHYLENE:PROPYLENE) ATR single bounce © 2009 Nicodrom MP0389/ NIC02118





Thanks a lot for your
attention!

