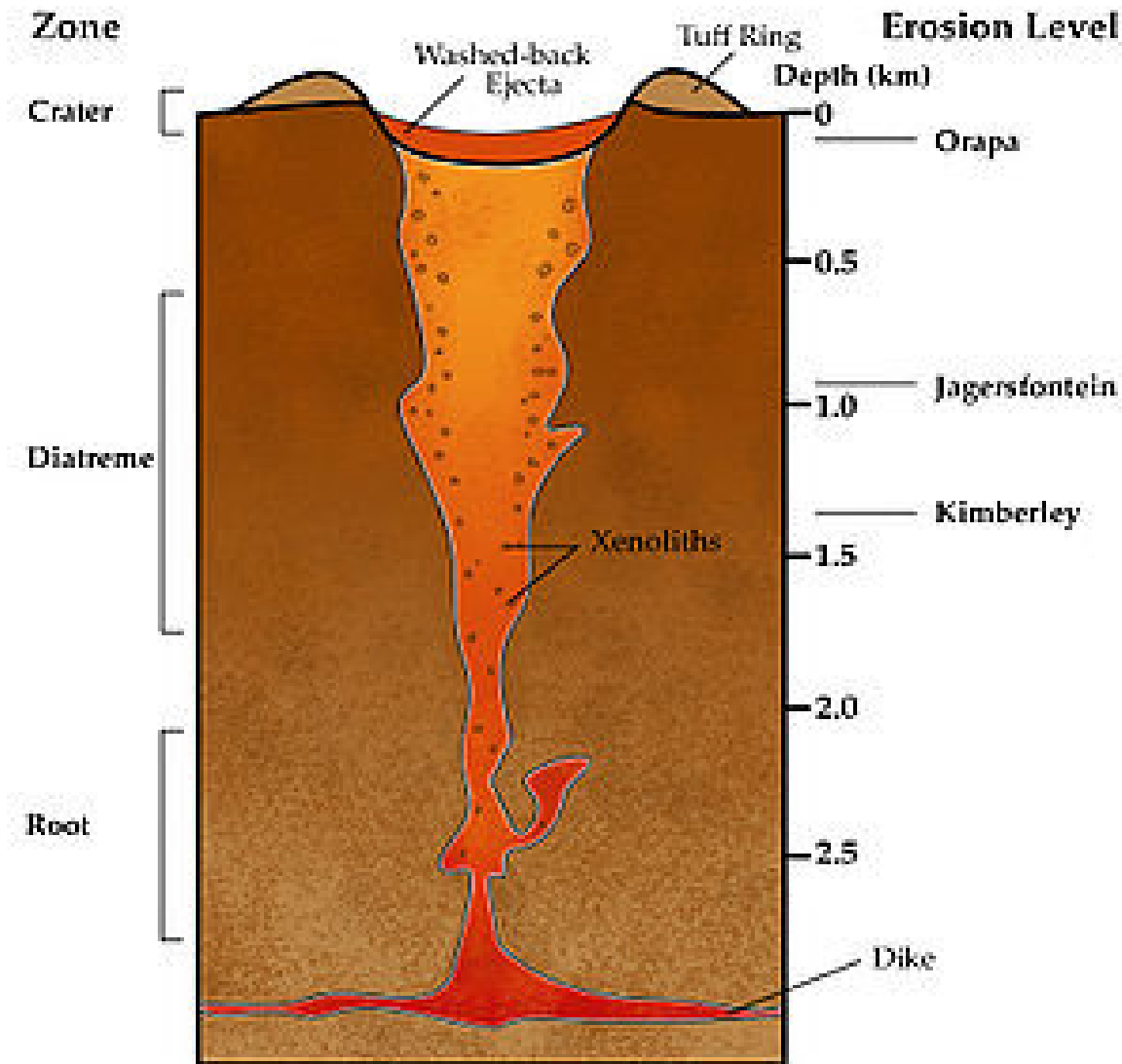


Proposal for finding diamonds.

Kimberlites are one of the primary sources of diamonds. They are a tube of explosion propagation during volcanic eruptions. It has the shape of a pipe-like channel with a cross-section of up to 1 km.

Up to 10% of kimberlites are diamondiferous.



Scheme of kimberlite pipe formation

Scope of works: search, identification and delineation of kimberlite pipes. Analysis of pipes and identification of kimberlite pipes containing diamonds. Determination of zones of maximum signal response (these are promising development zones) and depths of diamonds occurrence.

Duration of work: from 1 to 2 months, depending on the area of the survey.

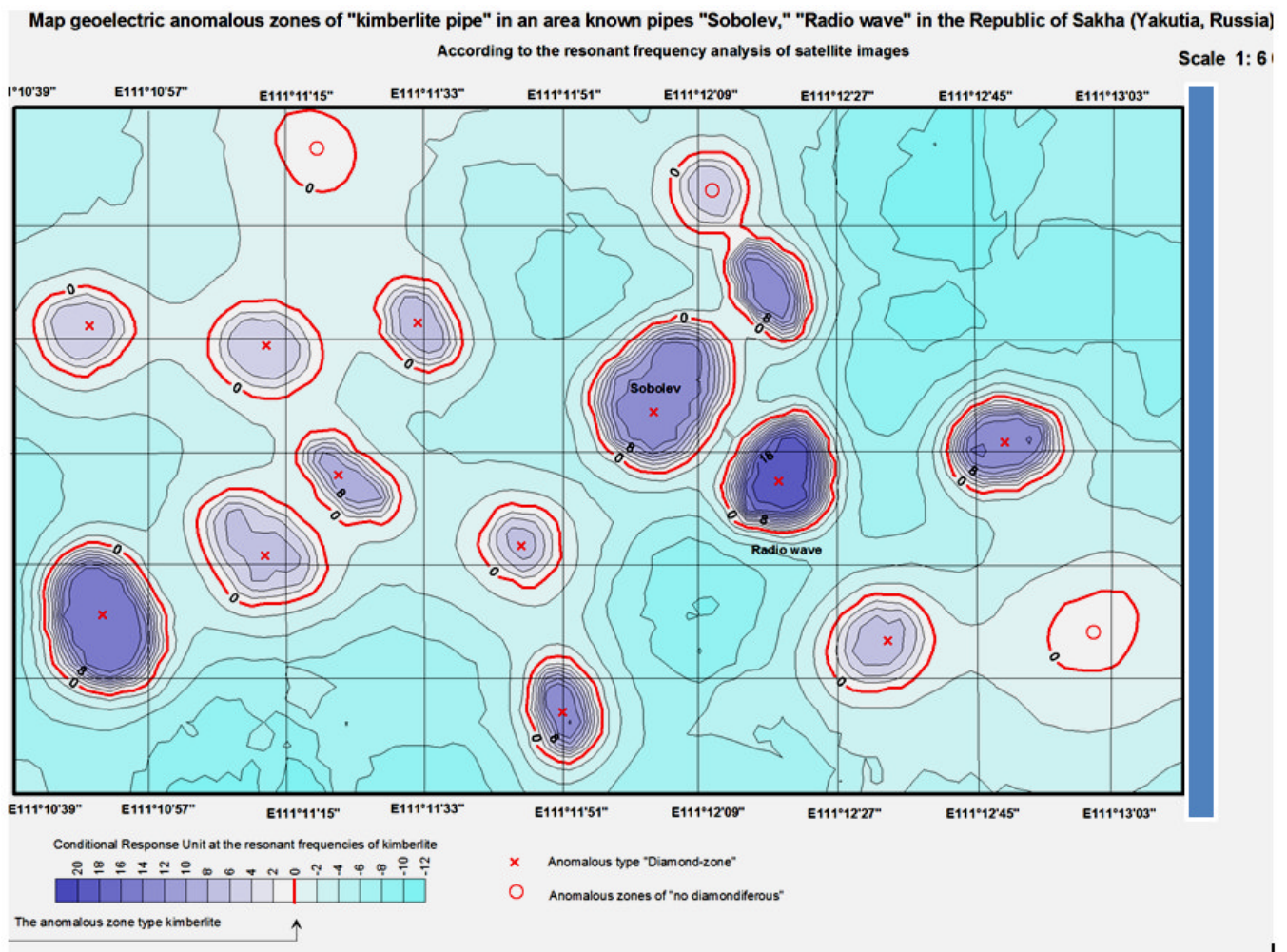
Estimated cost of the project - depends on the total area of the survey and the minimum search size of the kimberlite pipes (from 50 - 70 meters).

We note that kimberlite pipes are registered by our method very clearly.

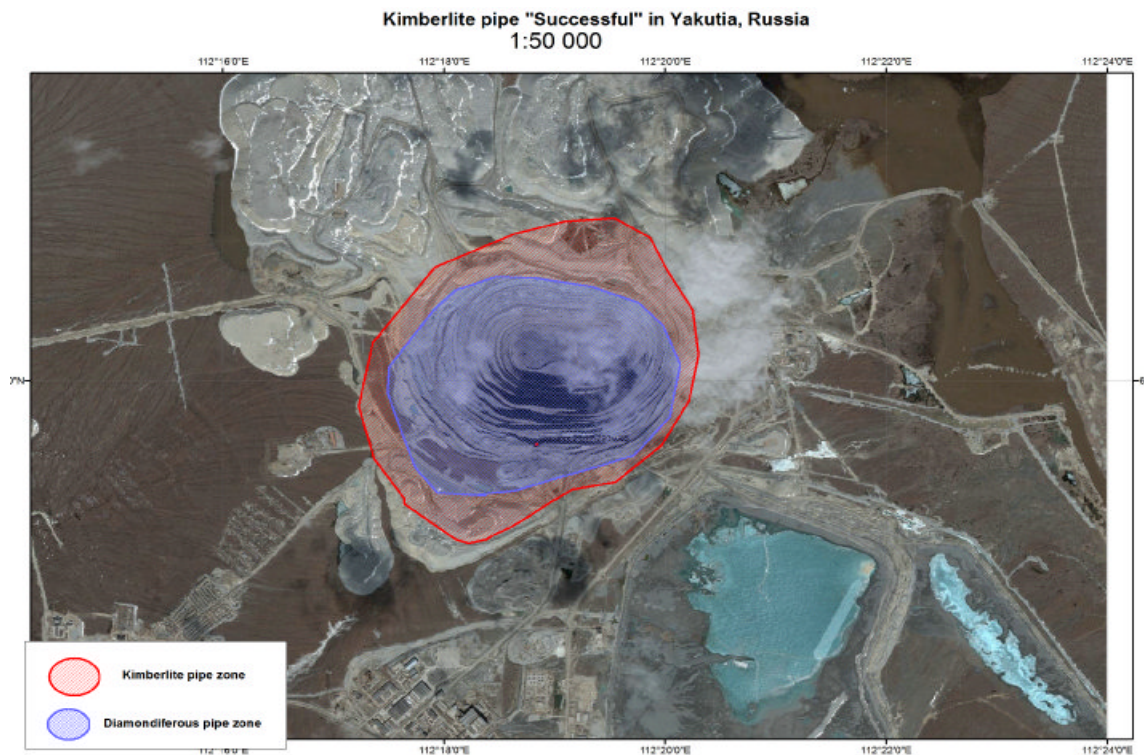
The following figure shows an example of an area survey in Yakutia (Russia). The area of the survey was about 55 km square.

This map shows the contours of all the pipes we have identified, as well as the contours of the pipes containing diamonds (marked with red crosses).

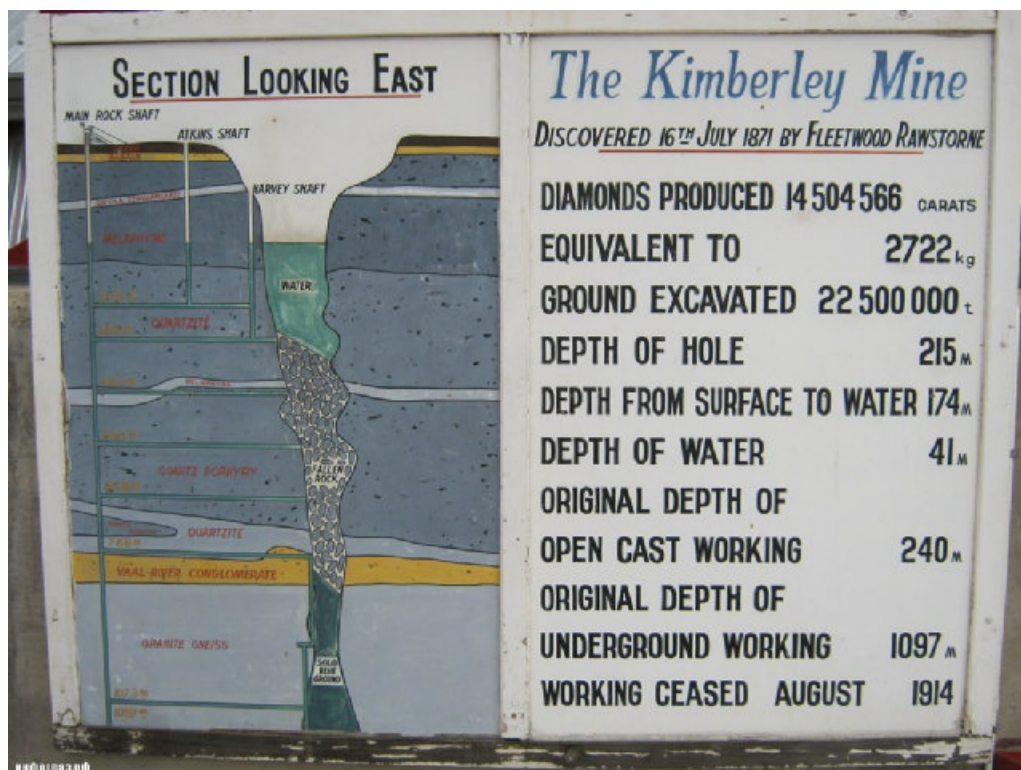
The zones of maximum signal response within the contours of kimberlite pipes are highlighted and shown.



An example of a more detailed survey of the kimberlite pipe during its dissection is shown in the following figure.



Examples of the largest kimberlite pipes are shown in the following figures. As we can see, the maximum dimensions (diameters) of the diamond-bearing pipes are 240-300 m.





The "MIR" Kimberlite Pipe in Russia