**Èññëåäîâàíèå çàãðÿçíåíèÿ äîííûõ îòëîæåíèé îçåð óðàëüñêîãî ðåãèîíà öåçèåì-137**

Å.Í.Ðûáàêîâ (ê.ò.í., í.ñ.), Ä.Ñ.Òÿãóíîâ (ê.ò.í., í.ñ.), Ñ.À.Ëèïàåâ (ê.ã.-ì.í., èíæåí.-èññëåä.) – Ôåäåðàëüíîå ãîñóäàðñòâåííîå áþäæåòíîå ó÷ðåæäåíèå íàóêè Èíñòèòóò ãåîôèçèêè èì.Þ.Ï.Áóëàøåâè÷à Óðàëüñêîãî îòäåëåíèÿ Ðîññèéñêîé àêàäåìèè íàóê; 620016, ã.Åêàòåðèíáóðã, óë.Àìóíäñåíà, ä.100.

Êîíòàêòû: òåë.: +7 (343) 267-88-89; e-mail: tds-07@mail.ru.

Аннотация. Â ñòàòüå ïðåäñòàâëåíû ðåçóëüòàòû èññëåäîâàíèÿ çàãðÿçíåííîñòè ðàäèîíóêëèäîì Cs-137 ïîéì è äîííûõ îòëîæåíèé îçåð ×åëÿáèíñêîé è Êóðãàíñêîé îáëàñòåé. Ïî ðåçóëüòàòàì ãàììà-ñïåêòðîìåòðè÷åñêèõ èçìåðåíèé âûäåëåíû îçåðà ñ ìàêñèìàëüíîé âåëè÷èíîé èçîòîïà Cs-137.

Êëþ÷åâûå ñëîâà: äîííûå îòëîæåíèÿ, öåçèé-137, óäåëüíàÿ àêòèâíîñòü, ðàäèîàêòèâíîñòü, èë, îçåðà.

**The Research of Ural Làkes Bottom Sediments Pollution with Ñesium-137**

Rybakov Evgeniy, Tyagunov Dmitriy, Lipaev Sergey (Institute of Geophysics Ural Branch of Russian Academy of Science, Ekaterinburg, Russia)

Abstract. The article contains results of radionuclide contamination with cesium-137 banks and bottom sediments of the lakes of the Chelyabinsk and Kurgan regions. According to the results of gamma-spectrometry measurements allocated lake with a maximum magnitude of the isotope cesium-137.

Key words: bottom sediments, cesium-137, specific activity, radioactivity, silt, lake.