The examination of food reserves kept by Polecats in a wetland in western France reveals an intensive seasonal exploitation of some periodically available resources. The food caches are mainly composed of Amphibians (Bufo bufo and Rana dalmatina) and seasonal variations of Amphibians in the caches correlated with the abundance of this category in the diet. This storing behaviour reveals some degree of feeding specialisations upon temporary abundant prey as frogs in spawning sites and a delayed consumption of available resources that stress the plasticity and opportunism of the feeding behaviour in polecats.