

The Ugansky Nature Reserve



General Information

- The idea to make a large natural reserve of West Siberian Plain came into view a long time ago.
- In 1982, May 31 the Council of Ministers passed a resolution to make a Nature Reserve on the area of 648,6 hectares.
- The area is surrounded by a protection zone 2 km wide.

Nature Reserve- an area of land that is protected in order to keep safe the animals and plants that live there, often because they are rare

Resolution- an official decision that is made after a group or organization has voted

**Why do we need
a Nature
reserve?**



- 1) To save the biological diversity and keep environmental objects under natural conditions
- 2) ecological monitoring by keeping the Chronicle of Nature
- 3) Scientific research



The regulations of the reserve do not permit:

- ❑ Mining of minerals
- ❑ Disruption of the soil cover
- ❑ Deforestation
- ❑ Collecting medicinal herbs, nuts, mushrooms, berries.
- ❑ Commercial, sporting and pleasure hunt
- ❑ Renting land, water and other natural resources
- ❑ Flights of airplanes and helicopters at the altitude less than 2000m

Permit- means to allow

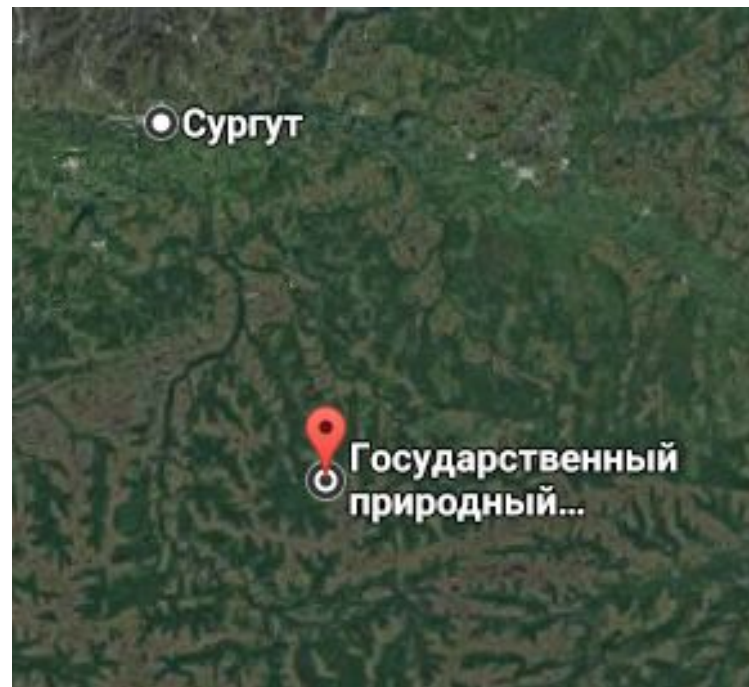
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Location

- The natural reserve is located in the interstream (междуречье) area of the Ob and Irtysh-rivers.



Climate

- There are many lakes in the nature reserve. Most of them are shallow and swamp-like. Therefore, the climate of the area is humid.
- The average temperature of January is -19
- The average temperature of July is +16
- The blanket of snow reaches 30-70cm of height on woodland and up to 120cm on the swamp.

Swamp-болото
Shallow- мелководье
Humid- влажно

Winter is divided into 3 chronological stages

- 1. Early winter- at this time the light day grows shorter. The rivers haven't frozen yet but the snow blanket has settled. White-tailed eagles and swans depart to a warmer place.
- The earliest record of winter is September 23, 1998, the latest is October 5th



2. Deep winter

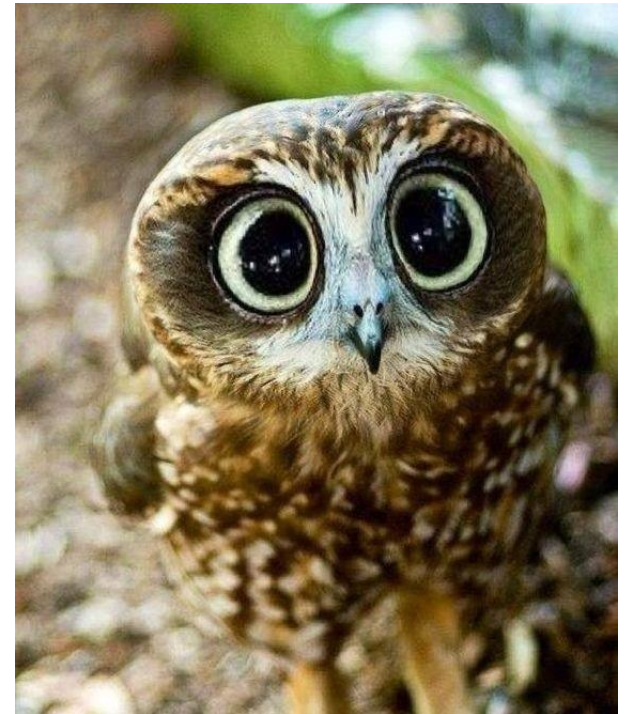
- The longest and the coldest stage of winter.
- Bears, badgers and chipmunks have fallen into a deep hibernation.



Badgers- барсуки.
Chipmunks- бурундуки
Hibernation- спящий режим

Pre-spring

- Everything slowly awakens
- High radiation levels
- Snow starts dripping
- Owls begin their breeding (*размножение*) season



Toads- жабы
Ticks- клещи

Spring and Summer

- During the spring, the birds start coming back.
- Frogs, toads, lizards and snakes awaken.
- Ticks, mosquitoes and bumblebees appear.
- Pre-summer period and the beginning of the summer are marked as the most intensive bird singing.



Autumn

- The most typical processes of this stage are the changes of color of trees, bushes and herbs.
- The only tree that stays green through the early autumn is the Siberian larch (Сибирская лиственница)
- Autumn starts in early August



Forest Animals



Marten- Куница

- Forest marten is very good at climbing trees, jumping from branch to branch with the use of its tail.
- No matter how deep is its sleep, if it hears any sound it awakens right away and runs away. Leaving no trace.
- During winter, this predator searches for squirrel's hallows, and once Marten finds it, there is no escaping.

Hallow- дупло



Northern hawk-owl

Ястребиная сова

- The only type of an owl that doesn't sleep during the day. It sleeps at night and hunts in the day light.
- Its flight is absolutely silent because of its special type of feather



Сарперцайлие- Глухарь

- During winter, Сарперцайлие sleep in small flocks (стаи).
- If it gets too cold, they sleep in the snow and come out only to get some food. If a female capercaillie notices a predator or a human, it tries to get them away from her family as far as it can.



- While chicks are small, they hide under the wing if they sense any danger. But when they grow up, they hide in a tall grass.
- Believe it or not, it is really hard to find them there. Even for dogs.



Woodpecker- Дятел

- Woodpecker can drill the tree 20-25 times per second (that doubles the speed of machine gun!).
- Woodpeckers play an important role in the control of insects. They help limit tree illnesses by destroying carriers of the disease.





Wolves

- ❑ Wolves brain is 30% bigger than the dog's brain. That means that wolves are able to remember more important information comparing to dogs.
- ❑ Leader of the pack always goes first with a high up tail.
- ❑ The size of it is not as important as is its personality.



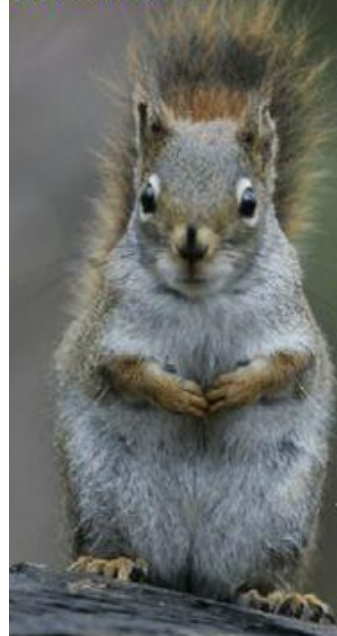
- When little wolves are born, all of them have a blue eye color. However, during the first 2-4 months, their eye color changes into a golden-yellow color. It is very rare for grown wolves to have blue eyes.
- Wolves can run 65km/h and jump up to 5m high.



Squirrels

- ❑ Squirrels can fall from 30 meters high, without hurting themselves.
- ❑ Squirrels eyes are positioned in a way which allows them to see behind them.
- ❑ In one day, a squirrel is able to collect food for the entire 3 month in advance!

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It is estimated that millions of trees grow thanks to squirrels forgetting where they buried their nuts.



Sable- Соболь

- Sables live only in two countries. Russia and Japan
- They really like when everything around them is clean!
- Sables clean their place after they eat.
- They even go to the bathroom as far away from their home as they can!
- It hunts everything that is smaller than itself.



Otter - Выдра

- ❑ Otters have more than 800 hairs on them, and because of its thickness- they never get wet!
- ❑ They can stay underwater for 2 minutes.
- ❑ When they are underwater, their ears close so no water could go in.



What are these? Name them!



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Answer the following questions:

- 1) Who passed the resolution to make a nature reserve in May 31, 1982?
 - 2) Why do we need a Nature reserve?
 - 3) What is NOT permitted on the Ugansky Nature Reserve?
 - 4) What climate does the reserve have?
 - 5) Who falls asleep during “deep winter” ?
 - 6) Tell me about any 3 animals that you’ve learnt about today.
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