DNS, or Durango nature studies is a plot of naturally reserved land on the road from Durango, to Aztec.

DNS also runs programs to teach youth groups about the local, natural habitat by conducting summer

camp programs, educational field trips, and etcetera. The land is also sometimes used as a training

course by various groups and can be rented out when necessary to do so.

The goal that is intended for this report is to assist DNS in maintaining a safe level of biodiversity, and

eliminating invasive species such as the bullfrog invading the leopard frog pond we intend to do this

with fieldwork, and date captured with fieldwork.

The fieldwork completed includes the catching and marking of leopard frogs in the pond, the catching

and gassing of invasive bullfrogs and the recordation of many other frogs, vegetation, water quality, and

many micro & macro invertebrates.

DNS was found to have a healthy diversity of frogs of many species. The local vegetation was also

sampled via veg-plots It was found that DNS has a very diverse network of plant life within it with

roughly 7-9 different species per 2-2 ft. square. As for water quality, many factors were tested such is

the amount of micro invertebrates in the water-this is a factor which was lacking. Roughly only about 10

micro invertebrates were discovered per water sample per class this is slightly insufficient. Other water

quality samples were also tested such as the amount nitrogen & feces in the water. These levels were

found to be reasonable

DNS’s administration has set the maximum budget at 139,000 dollars for the eradication of the invasive bullfrog

species population. This can actually be used anywhere on the property, as long as it doesn’t disturb the

research being conducted.