



# Day Zero Scenario Cards

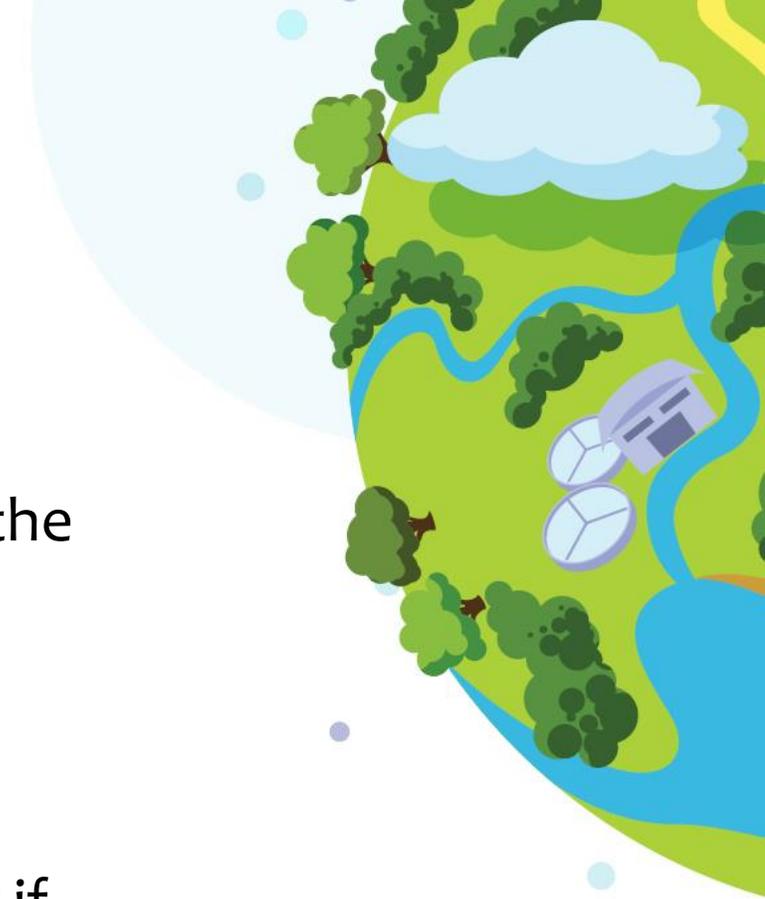
**Description:** Four growing towns located close to each other that rely solely on rainfall for their water supply.

**Geographical Features:** Towns located between a desert and the ocean, with relatively flat land and no rivers close by.

**Population:** The population is predicted to grow steadily over the next 10 years.

**Rainfall patterns:** These towns receive most of their rainfall during the winter and can run low on water during summer or if there is a drought or less rainfall than usual.

**Current water source:** Rain water tanks for each property.



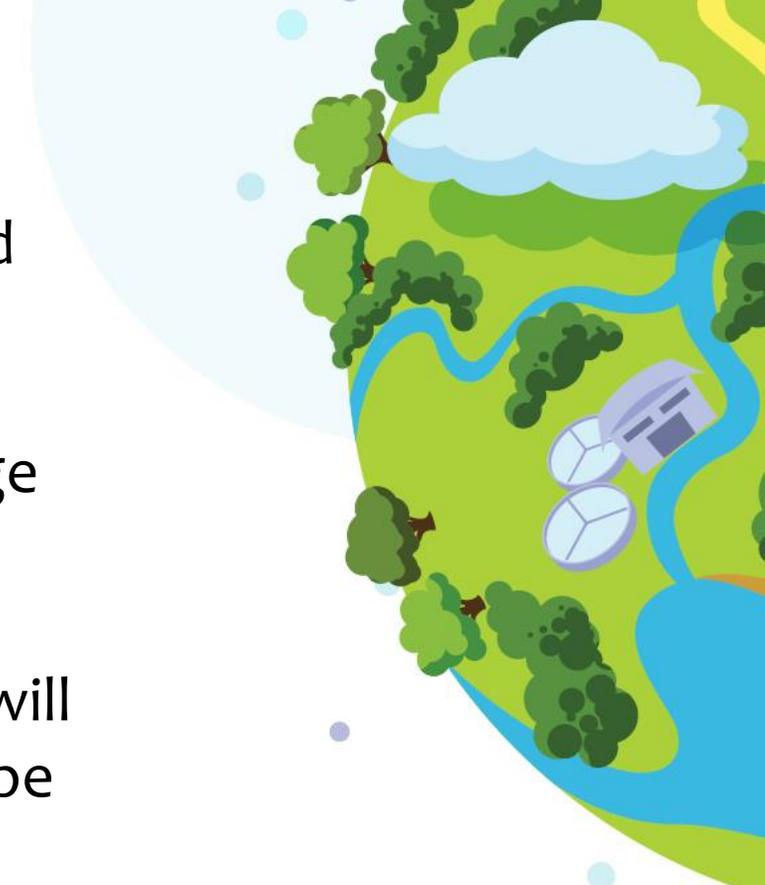
**Description:** Four small towns close to each other with planned housing estates to be built close to the ocean.

**Geographical Features:** Three towns between a mountain range and the ocean with a river and a creek joining together before flowing into the ocean.

**Population:** The population of the towns closest to the ocean will increase due to planned housing estates and retail precinct to be built in the next five years.

**Rainfall patterns:** Intense rainfall during the Summer months that could cause flooding of these new estates and retail precinct in the future.

**Current water source:** Water is drawn from the river and treated before being distributed to homes.



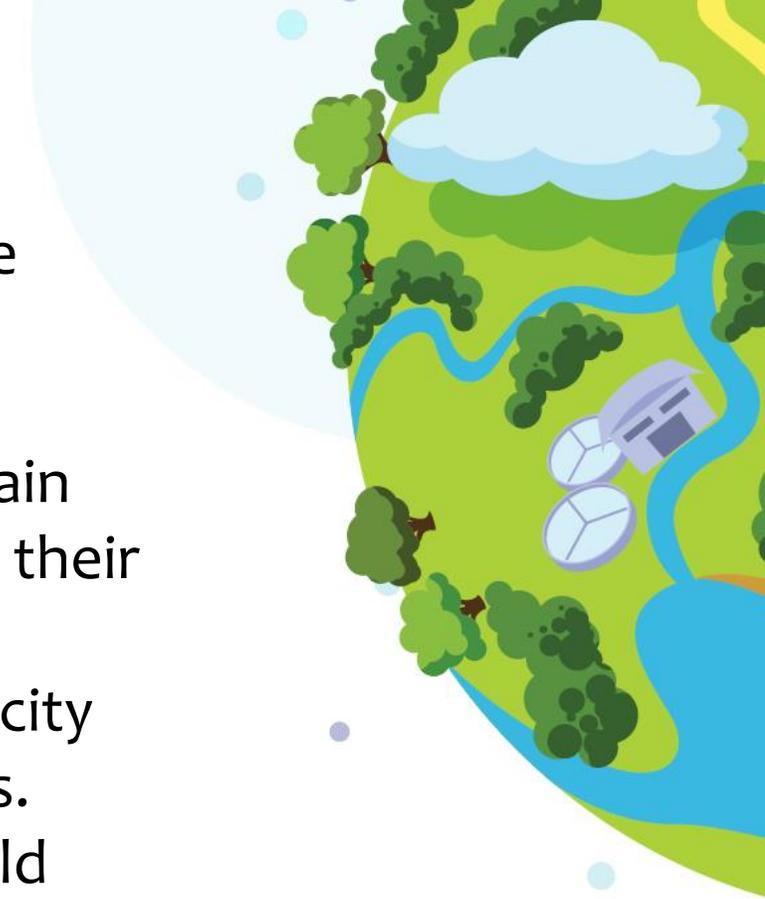
**Description:** Three small towns situated between high altitude alpine areas and the ocean.

**Geographical Features:** Townships in valley below the mountain that relies solely on snow melt that feeds the rivers they draw their water from. By late summer the rivers can begin to dry up.

**Population:** Due difficult access and distance from the capital city the population is not expected to increase in the coming years.

**Rainfall patterns:** Reliable rainfall in winter and spring with cold temperatures for alpine areas.

**Current water source:** Each township currently relies on nearby rivers to extract water to fill their water tanks.

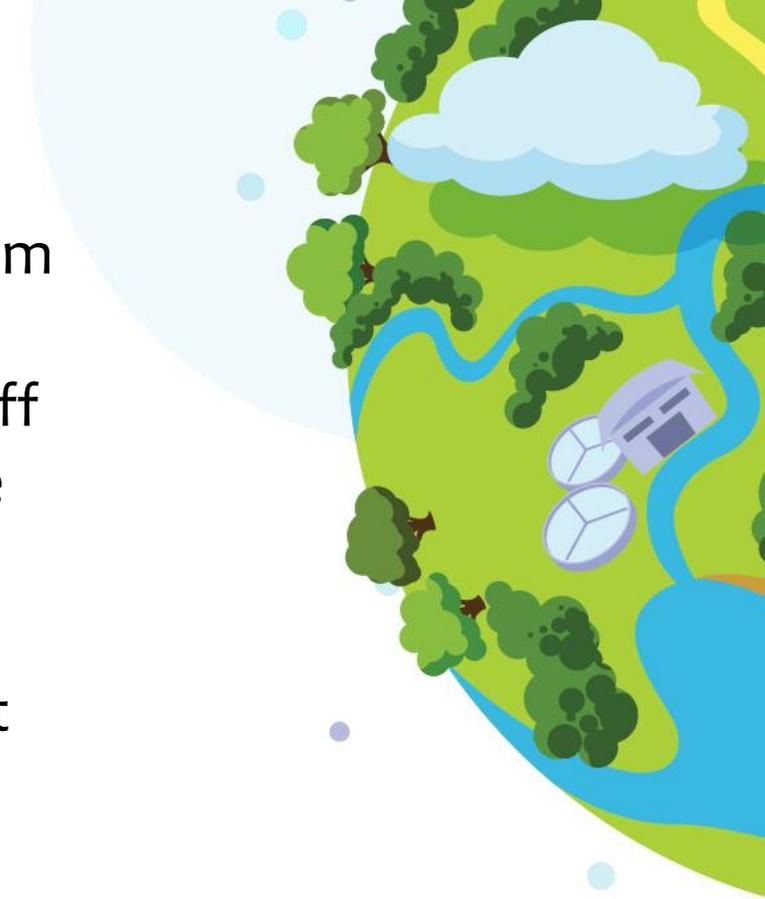


**Description:** Inland towns with no rivers and long distance from the ocean. Three large fresh water lakes for water supply however the largest is used for recreation and receiving run off from surrounding farmlands. Tourism is very important to the region.

**Population:** Population is expected to be steady over the next ten years.

**Rainfall patterns:** Over the last three years the area has received reduced rainfall and water levels in the lakes are reducing. Drought has been declared in the region.

**Current water source:** Water is drawn for a lake which is then treated before being sent to homes.



**Description:** Inland area with a mountain range behind providing fresh water into the towns lake. Six townships rely on water from lake that receives enough steady rainfall to fill the lake each year. The lake receives storm water runoff during rainfall periods creating water quality issues after rainfall events.

**Geographical features:** One large lake receiving water from a river issuing from the mountain ranges behind.

**Population:** Population growth has been restricted due to only one water source.

**Rainfall patterns:** There is a steady rainfall pattern however with climate change rainfall is predicted to reduce



**Description:** Close to the ocean there is a growing urban area. Behind is the hinterland are towns surrounded by environmentally significant areas. A predicted increase in population in urban area requires more water for increasing populations.

**Geographical Features:** Two fresh water lakes with endangered frogs identified in riparian zone. A river originating from the hinterland that travels to the ocean.

**Population:** Increased population in the urban areas close to the ocean however hinterland population not expected to grow.

**Rainfall patterns:** Rainfall is evenly distributed throughout the year.

**Current water source:** Water is currently been drawn from the river and treated before being supplied to the growing urban area.

