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Red Deer

RPAS (Drone) - Compliance

Variety of Uses

• Investigations
• Dangerous goods/hazardous material response, potential vapour release
• Aerial imagery: spills
• Proactive sweeps
• Site inspections
• Contour mapping
• 3D Mapping
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**Economic Benefits**

- **SAFETY** - Safer than walking through area: *lost time*
- **COST EFFECTIVE**
  - Contour mapping software less expensive than LIDAR
  - TIME-Saves time in the field to inspect site
- **BETTER PRODUCT** - Accurate real time “birds eye” view of area of interest

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**Limitations**

- Wind
- Precipitation
- Air temperature
- Visual Line of Sight
- Location – obstructions, powerlines, class of AirSpace
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BE AWARE/PREPARED

- Fly-aways
- Predatory birds
- Loss of visual line of sight
- Onlookers/curious bystanders
- Flight orientation

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Before You Fly

- Understand your legal requirements Understand the difference between basic and advanced operations
- Get the necessary knowledge requirements
- Get a drone pilot certificate
- Follow your drone manufacturer’s instructions
- Survey the area where you will fly.
- Take note of any obstacles, such as buildings and power lines

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**New Rules – June 1, 2019**

- 250g up to and including 25 kg
- Operated within visual line of site
- Basic
  - Class G: Uncontrolled airspace
  - Register, basic exam
  - 30m from bystanders
  - Never fly over bystanders

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RPAS (Drone) - Compliance

UAV (Drone) - Compliance
RPAS (Drone) - Compliance

Contour mapping
UAV (Drone) - Compliance

QUESTIONS

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