

# Geocaching at the Klondike 2014

What is a Geocache?

What do they typically look like?

What is Geocaching?

What is a GPS?

How does a GPS work? What does Geocaching have to do with scouting?

How many geocaches are there in the world? 2,315,000

What is the most caches found by a single person found? Over 98,000

When hiding a cache, why should you never bury the cache?

Geocaching is a great way to learn navigation using a GPS.

Why is it important to learn map and compass skills even if you have a GPS?

Not all GPS devices are the same. What are the features that you can find in some A GPS device?

- Most can lay down tracks or bread crumbs on the screen that show you where you have been.
- Many vary by the maps that they provide:
  - **no map,**
  - **street map,**
  - topographic showing terrain,
  - 3-D representation of terrain,
  - aerial or satellite,
  - or in some cases **scanned in maps.**
- Some provide Road Navigation
- Some contain an **electronic Compass so you can determine direction while standing still**
- **Altimeter** showing your altitude.
- Color vs. Black & White Screens

Safety Tips:

- \_\_\_ Tell someone where you are going and when you expect to be home.
- \_\_\_ Always go with a buddy and use the "Buddy System"
- \_\_\_ Check the weather forecast before leaving
- \_\_\_ Wear appropriate clothing for the current or expected conditions.
- \_\_\_ Bring a first aid kit with you.
- \_\_\_ Wear florescent orange during hunting season or do not geocache during the first week of Deer season.
- \_\_\_ Avoid dangerous situations like crossing water, steep cliffs, etc.
- \_\_\_ Avoid poison ivy and poisonous snakes.
- \_\_\_ Practice "Leave no Trace" and respect the environment. Pick up trash during your travels.

There are many types of GPS devices. Some are real simple where they just show a straight line or just an arrow to a destination.

What limitation do all GPS devices have when compared to a magnetic compass and a paper map?

- Without power, they will not work and make a great paper weight.

What advantages does a GPS have over a Paper Map and Compass?

- A GPS device with mapping capability can show you exactly where you are. With a paper map, you have to look at your surroundings and guess at your location based on map features.
- GPS can quickly tell a straight line distance from your current position to a waypoint.
- With internal map layers, a GPS can show topographic, aerial or satellite, street map, or in some cases scanned in maps.

# Klondike Derby Geocaching Station

## Points Sheet

Circle one: Troop or Pack      Enter Troop or Pack #: \_\_\_\_\_      Patrol Name: \_\_\_\_\_

What are DISADVANTAGES of some GPS units? (Check all that are true disadvantages)

- Some GPS units are waterproof.
- Some GPS units are very expensive.
- Some GPS units have no maps such as topographic maps, aerial, street or other map layers that are helpful for navigation. Their map is just a blank screen showing only your position and marked waypoints.

1. Why do you need to know how to use a map and compass when your GPS receiver's arrow tells you where to go?

- Your GPS batteries may go dead and you may have to use a map and compass to get back home.
- You do not need to know how to read a map or use a compass when you have a GPS with you. The GPS is so simple to use that it always tells you the best route to your destination.
- You may not get satellite reception. Without reception, your GPS is useless.
- Your GPS may not have Topographic Map or other map layers that can help show you what land/water features are between you and the cache. Important features may include lakes, creeks trails, deep canyons and more! The right type of map can show you those topographic features.

2. What are some safety steps and good practices to follow before and during a search for a Geocache? (Check all that are good practices.)

- Tell someone where you are going and when you expect to be home.
- Always go with a buddy and use the "Buddy System"
- Do NOT bring a first aid kit with you. You will never be at risk.
- Wear florescent orange during hunting season or do not geocache during the first week of Deer season.
- Jump across dangerous canyons and steep cliffs.
- Avoid poison ivy and poisonous snakes.
- Wear appropriate clothing for the current or expected conditions.
- Ignore the "Leave no Trace" practices because you are just having fun with your GPS.

3. What are the advantages of using a GPS with internal mapping capabilities instead of using a paper map and a magnetic compass? (Check All that are advantages of a GPS with internal maps)

- A GPS device with mapping capability can show you exactly where you are on its map. With a paper map, you have to look at your surroundings and determine your location on the map based on land, terrain, and water features shown on the map.
- A GPS device will work with dead batteries.
- A GPS unit will always point directly to the best and easiest route to get to your destination.
- GPS can quickly tell the distance from your current position to a waypoint.
- A GPS device are so reliable that they even work without satellite reception. GPS units always lock on satellites even where there are in steep canyons, cities with tall buildings, or heavy tree cover.

4. Did you forget to enter your Troop/Pack and Patrol/Den Information at the top of this form?

- Yes   or    No

## What to Bring:

- Snow Shovel
- EZ Up with Wind/Rain Break for EZ Up/Box of stakes for EZ-Up
- Hammer for stakes
- GPS Display Board 36" x 48" - showing the following



- Duct Tape and Zip Ties for reinforcing and securing Display board, Scissors
- Sample Geocaches (Large medium, Small, Rock, Baseball, Mushroom, Others)
- Display Tables
- 4 Geocaches to hide
- Hidden Geocache Sheets - 15 of each (4). See Previous Pages
- Test Sheets 50
- Clip Boards with Spare Pens/Pencils
- A GPS devices (60Csx, Oregon, SmartPhone, Vista or Legend)
- Trash to lay around for "Leave no Trace" test.
- Geocaching Merit Badge Book
- Compass
- First Aid Kit
- Flashlight
- Florissant Orange vest
- Extra batteries
- Chair
- Water and Lunch Provided by Staff

# Demonstration Geocache Sheets

GC4YR8 Klondike - Under Cover (Traditional Cache) in Pennsylvania, United States cr... Page 1 of 1



## Klondike - Under Cover

A cache by Zinnware Hidden : 02/22/2014

Difficulty:

Size: (micro)

Terrain:

0 Favorites ▼

**N 40° 05.994 W 077° 05.677**

UTM: 18T E 321458 N 4440947

Other Conversions

In Pennsylvania, United States N 25.4 mi  
from your home location

Please note Use of geocaching.com services is subject to the terms and conditions in our disclaimer. Personal Cache Note [Click to enter a note](#)

### Geocache Description:

Demonstration Cache for BSA Klondike Derby at the Geocaching Station

A basic cache hidden for Boy Scouts and Webelos attending the Klondike Derby

Additional Hints (Decrypt)

Nobhg 5 sg uvtu va ghor

Decryption Key

A|B|C|D|E|F|G|H|I|J|K|L|M

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N|O|P|Q|R|S|T|U|V|W|X|Y|Z

(letter above equals below, and vice versa)

### Attributes



What are Attributes?

GC4ZZS99 Klondike – Let it Snow (Traditional Cache) in Pennsylvania, United States



# Klondike – Let it Snow

A cache by Zinnware Hidden : 02/22/2014

Difficulty:

Size: (micro)

Terrain:

0 Favorites ▼

**N 40° 05.984 W 077° 05.686**

UTM: 18T E 321458 N 4440947

Other Conversions

In Pennsylvania, United States N 25.4 mi from your home location

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## Geocache Description:

Demonstration Cache for BSA Klondike Derby at the Geocaching Station

A basic cache hidden for Boy Scouts and Webelos attending the Klondike Derby

Additional Hints (Decrypt)

Guvax Fabj Onyyf

Decryption Key

A|B|C|D|E|F|G|H|I|J|K|L|M

-----

N|O|P|Q|R|S|T|U|V|W|X|Y|Z

(letter above equals below, and vice versa)

## Attributes



What are Attributes?



# Klondike – Lake View

A cache by Zinnware Hidden : 02/22/2014

Difficulty:

Size: (micro)

Terrain:

0 Favorites ▼

**N 40° 06.005 W 077° 05.675**

UTM: 18T E 321458 N 4440947

Other Conversions

In Pennsylvania, United States N 25.4 mi from your home location

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## Geocache Description:

Demonstration Cache for BSA Klondike Derby at the Geocaching Station

A basic Ammo Can Cache hidden for Boy Scouts and Webelos attending the Klondike Derby

Additional Hints (Decrypt)

Srapr Cbfg

Decryption Key

A|B|C|D|E|F|G|H|I|J|K|L|M

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N|O|P|Q|R|S|T|U|V|W|X|Y|Z

(letter above equals below, and vice versa)

### Attributes



What are Attributes?



# Klondike – Forbidden

A cache by Zinnware Hidden : 02/22/2014

Difficulty:

Size: (micro)

Terrain:

0 Favorites ▼

**N 40° 06.000 W 077° 05.691**

UTM: 18T E 321458 N 4440947

Other Conversions

In Pennsylvania, United States N 25.4 mi from your home location

Please note Use of geocaching.com services is subject to the terms and conditions in our disclaimer. Personal Cache Note Click to enter a note

## Geocache Description:

Demonstration Cache for BSA Klondike Derby at the Geocaching Station

A basic cache hidden for Boy Scouts and Webelos attending the Klondike Derby

Additional Hints (Decrypt)

Guvax Sehvg

Decryption Key

A|B|C|D|E|F|G|H|I|J|K|L|M

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N|O|P|Q|R|S|T|U|V|W|X|Y|Z

(letter above equals below, and vice versa)

### Attributes



What are Attributes?