

National Capital Area Council, BSA

Potomac District Klondike Derby

Little Bennett Regional Park

2017 Program Packet for Troops & Crews



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Highlights for 2017

- Each sled must have an 8.5"x11" sleeve protector. Patrol will receive identifying items, including a certificate, to be shown at EACH station during the Derby Saturday.
- Klondike Staff offers a \$35 credit to units who Mayor a Derby Station. Email KlondikeDerby@gmail.com if interested. You must be able to dedicate 3-4 adults for Station Mayor from 9-12 noon & 1-4 pm.
- Campsite locations will be mailed approximately one week before the event. At that time we will expect a confirmation email that the packet was received **and your Patrol names.**
- Dessert Contest submittal time has changed to 7:00 – 7:15pm Saturday.
- You may use the dumpsters on site for your trash.
- The price of wood purchased from the Park is now \$8/bundle.
- *TENTATIVE* dates for 2018 Klondike are 19 -- 21 January 2018 (based on MCPS exam schedule).

2017 Potomac District Klondike Derby

General Information

- When** Friday, January 27 to Sunday, January 29, 2017
- Location** Little Bennett Regional Park, 23701 Frederick Road, Clarksburg, Maryland. Park Manager Office during Derby 301.528.3430; before or after Derby 240.687.8848
- The first entrance you come upon is a maintenance yard, which is the overflow parking area and parking for the Webelos events. Scout Troops should proceed to the second entrance and go either directly to their camp site(s) or to Hawk's Reach if the site is unknown.
- Invitees** Girl and Boy Scout Troops and Venture Crews in the National Capital Area Council and surrounding Councils / Districts.
- Reservations** Each campsite is \$100, due at time of online reservation.** Sites hold up to 11 campers. Campsites are reserved in advance on a first come, first served basis. **No on-site reservations.** In the spirit of Leave No Trace and to maintain our relationship with the Montgomery Department of Parks, attendance will be limited to the number of available campsites.
- **The site registration fee covers the cost of the campsite, latrines, awards, station supplies, and some organizational expenses.
- Link to register: <http://www.ncacbsa.org/potomac/> and scroll calendar to date of event.
- Questions?** Email KlondikeDerby@gmail.com
- Campsites** Units will be notified of their campsite assignments by email approximately one (1) week before arrival. Sites will be allocated according to the size of the units and are done at the sole discretion of the Klondike Derby Registration Team. Specific campsite requests may be accommodated if possible, but are not guaranteed. Remember, only two vehicles may remain at the assigned site. See "Parking" for more details.
- Vehicles** Because parking is very limited, make every effort to carpool. **Only two vehicles may be parked on the parking pad at each campsite.** No vehicle may be parked in the road. Emergency vehicles must have unobstructed access to the sites. Unit leaders are responsible for informing other drivers they must park in designated areas. To assure the safety of participants during the event, drivers must not drive to nor park their cars at or near the playfields. Cars parked on the side of any road will be subject to a parking ticket and towed. No parking is allowed on the playfields. Drivers must observe and obey speed limit signs posted in the park. Be mindful of pedestrians on the roads.
- Contact the Park Manager if a trailer or camper needs to be delivered earlier than Friday noon, as the park gate may be closed.
- Overflow Parking** Overflow parking is located at the Park's maintenance yard (from inside the park, exit onto Route 355 turning left and make the first left) and also directly across Rt 355 at High Point Farm. Park in the overflow area after your unit equipment is unloaded in your campsite.
- Patrols** Each Patrol should consist of approximately six (6) to eight (8) Scouts. Patrols should not be organized on the basis of experience or age. The older boys should help the younger boys up the Scouting Trail.
- Attire** The Scout uniform is to be worn at all events. Supplement the Scout uniform with additional layers of clothing.
- It is critical that each individual know how to keep warm and dry. Changing conditions necessitate being prepared for almost any condition. Cold weather camping requires adequate, layered clothing and waterproof boots to protect the camper, yet be versatile enough to prevent sweating during activities and to retain warmth during idle periods. A second and third change of inner clothing will be required for a Scout's personal safety and comfort. Prior to dinner, leaders should insure that Scouts with wet or damp inner clothing change to dry inner clothing. Wearing damp or wet clothing next to the skin during idle periods, such as dinner time and the campfire activities, is a prime time for the body to become cold and could result in hypothermia. A winter cap or hat is necessary during the day and at night in the sleeping bag. Before arriving at the Derby, leaders should review the important principles of winter dressing with all participants to ensure a safe and rewarding experience for all. Share "**MUST READS About Winter Camping**" & "**Hypothermia 101**" included in this packet.
- No tennis shoes/sneakers will be permitted.**
Campers improperly prepared for the weather will be asked to leave.

- Check-In** **Friday Night - 5:00 pm to 9:00 pm (preferred)**
Saturday Morning - 7:00 am to 8:00 am (backup)
- After arrival at your campsite/s, have one adult bring a copy of your **completed Roster & Final Payment Form** and \$5 per person attending (Scouts and adult leaders) to HQ. Adults working as Klondike Staff, OA and Station Mayors must asterisk (*) their names on the Roster to receive a staff patch. Units that provide Station Mayors will be given a \$35 credit towards their participant fees at this time. The participant fee covers insurance, the Klondike Derby patch, and council overhead.
- Make check payments payable to: "NCAC-BSA". Memo on check "Cost Center 679 / Klondike Derby 2017."
- Sled & Survival Kit Check-In** **Friday Night, 7:30 – 9:00 pm at HQ.**
- Patrol, with Sled and Survival Kit, must line up in the designated area near HQ. Patrols should wait while their kit and sled are judged by the OA, then turn in their Patch Design Forms and receive identifying items to be carried during the Derby events, then return to their campsite with all gear. **Patrols who do not bring their identifying items to the Derby Stations will be penalized 5 points per Station.**
- Orientation** **Friday Night, 9:00 – 9:30 pm at HQ.**
- Scoutmasters, Senior Patrol Leaders and OA Staff are strongly urged to attend** for updates to the program.
- Station Mayor Meeting** **Friday Night, 9:30-9:45 pm at HQ.**
- Only** Unit adults working as Station Mayors Saturday must come to a short but mandatory meeting where you will be given station-specific information and scoring gear.
- Derby Staff** Klondike Derby Staff include Council and District Executives, Unit Adults, Venture Crewpersons, Order of the Arrowmen and Station Mayors.
- Adults serving as Klondike Derby Staff are welcome to the Cracker Barrel following Orientation and after the Campfire on Saturday evening.
- Flag Raising** **Saturday, 8:45 – 8:55 am, Field A.**
- Derby Stations** Descriptions of the various stations run during the Saturday competition will not be detailed. In general, there will be stations that use traditional Scouting skills such as: pioneering, compass reading, fire building, knots, lashings, Leave No Trace, Nature and first aid. Other stations will require problem-solving or initiative games.
- Warming Stations** Warming Stations with hot chocolate and soup will be located near A Field and E Field.
- Adult Participation** Adults are **strongly discouraged** from accompanying / helping Patrols during the Saturday Patrol competition sessions. A great way to see all the action is by being Station Mayors. Doing so will provide the opportunity to observe Patrols from other units in action and to pick up some tips from the collective intellect of the Patrol at work.
- Webelos Participation** Webelos may observe the older Scouts in action but may not participate in these activities, nor camp overnight. A separate Webelos Invitational will take place on Saturday between 1:00 and 4:00 pm. In addition, Troops are encouraged to invite dens for a campsite visit and should stress carpooling. Webelos must park in one of the two overflow locations outside the park entrance. See separate registration link online for Webelos Invitational.
- Competitions** In addition to the Derby Stations, the coming year's Patch Design Competition, the Dessert Contest, and Skit participation are all counted in the overall patrol score. The traditional **Sled Race** is optional and will be held Sunday morning at 10:00 am in Field A.
- Flag Lowering** **Saturday, 4:00 pm, Field A**
- Skits** **Audition with OA, 4:30 – 5:30 pm Saturday at HQ**
- Patrols are encouraged to prepare skits and/or songs for the Campfire, send PL and one other person to HQ, and present idea to the OA after the Flag Lowering Saturday. Participation points will be awarded to those units who pass OA approval and perform in the Campfire Program.
- Dessert Competition** **Turn in desserts at HQ 7:00 – 7:15 pm Saturday at HQ**
- See **Patrol Competition Guidelines**.

Campfire & OA Callout	Saturday, 8:00 pm Amphitheater Members of the Order of the Arrow will lead the Saturday night Campfire at the Amphitheater and will conduct programs for both the skits to be performed by Patrols and an OA Call-Out.
Worship Services	Sunday, 9:00 am, HQ There are two worship services: Catholic Mass and a Non-Denominational Service. Look for directional signs outside HQ.
Check-Out	Sunday, 10:30 – 11:30 am A Klondike Derby Staff member must sign out every Unit. After Unit has completed site clean-up and has packed away unit gear, a representative should go to HQ registration and arrange to have a Staff member inspect the site/s. Once inspection is completed, the Staff Member will return a signed card to HQ where Klondike Derby patches and a participation ribbon will be issued to the Unit leader. Early check-out can be arranged. Troops leaving without being checked out by a Staff Member will not receive Klondike Derby patches.
Food	Each Troop is responsible for its own meals during this event. Patrol cooking is encouraged. Patrols should plan a hot portion for each meal.
Fires	Open fires MUST be kept in the designated fire ring at the campsite. Wood may be obtained from any downed trees, so bringing an axe and saw may be useful. The Park also sells wood (\$8 per bundle). No standing tree may be cut. Only qualified persons may operate chemical stoves.
Water	Water will be available from pumps located throughout the campground and will be operable. DO NOT WASH DISHES AT THE PUMPS! Please emphasize this with Scouts. See "Camping Dishwashing Procedures".
Latrines	Portable toilets will be provided. Please have Scouts use them with respect. No horsing around the latrine areas. Restroom buildings located throughout the campgrounds are locked and inoperable during the winter season.
First Aid	A First Aid Station will be open 24/7. It is located in the lower level of HQ. All injuries, however slight, must be reported to the First Aid Station.
Trash	Troops are responsible for leaving Little Bennett better than upon arrival. Units are allowed to use Park dumpsters.
Lost & Found	HQ will serve as the repository for found items. To minimize lost gear, Scouts should label all personal gear with name and unit number.
Old Patch Sale	Collectors or those who may have lost a patch from a previous year may purchase older patches in HQ throughout the weekend for \$1 per patch.
Cancellation	The event will NOT be postponed. In the unlikely event of a major blizzard, the event may be canceled. Event updates will be made via email to Unit contact given at the time of online Registration.
Refunds	Campsite refund requests must be made 15 days before the Derby, as costs are committed by then. Refunds may be granted for all but 15% of the fee under certain circumstances. No refunds will be made at the Klondike Derby site. Request the refund to: Michael Werling, Potomac District Executive, email: Michael.Werling@scouting.org
Reminders	Two adult leaders MINIMUM (one at least 21 years old and the other at least 18), must always be present with the Unit (except with Patrols during the competition). As always, drugs, alcohol, fireworks, sheath knives, etc. are not allowed.
Why Do We Do This?	Every adult leader is asked at some point why we take part in a winter camping experience like the Klondike Derby. The staff who put on this event talk about reasons for our own participation, being: <ul style="list-style-type: none"> • It's a chance to learn and test our winter camping skills, and more importantly help reaffirm a major lesson we teach in the Scouting Program - you can overcome anything with planning, leadership, cooperation and practiced skills. • It helps us teach basic Scouting skills in the program. Lashings can be tough to get Scouts to do as an abstract exercise. Tell them to make a catapult, though, and lashings go to the top of the list of neat things to do. • And finally, it's VERY FUN (and a little crazy)!

2017 Potomac District Klondike Derby Patrol Competition Guidelines

Patrols must check-in their survival kit and sled at the designated area at Headquarters 7:30 to 9:00pm Friday evening.

Scenario: The Survival Kit has been dropped by an airplane to sustain the Patrol through their adventures. Below is a list of items necessary to successfully compete at this year's Klondike Derby. Survival Kits will be judged and scored against the following criteria:

- Visible Patrol identification including Troop number
- Portability / compactness / usability
- Completion of contents
- Durability

Survival Kit Contents

- Waterproof sleeve to hold 8.5"x11" certificate
- Fuel, kindling, and tinder for 1 fire
- Matches
- Bottled water (1 qt.)
- Pancake batter
- Fry pan & spatula
- Duct tape (1 roll)
- Compass
- Pencils and paper (two sets per Patrol member)
- First aid kit
- Blanket (not space blanket)
- Tarp, approximately 6 ft x 8 ft
- Rags (6 or more, useful as bandages, splinting material, and blindfolds)
- Optional: bungee cords, disposable hand warmers, trail mix or other "sled dog" food
- Rope - at least 8 which are 8 feet or longer, 1 should be 12 feet long
- Twine (lots) or parachute cord (at least 50 ft)
- Knife – to cut twine, cord, or rope
- Trash bag
- At least six (6) staves, each 5 feet or longer
- Personal reusable mugs for hot drinks at warming stations
- Tape measure (6 feet minimum)
- 2 hammers
- 6 tent stakes
- clothesline (100 feet)

Sleds

The use of sleds by the Patrols at the Klondike Derby is strongly encouraged.

- Sleds should have Troop numbers and Patrol names on them.
- The sleds will be judged by the following system: 7 points for having a sled, and up to an additional 3 points for creativity, originality, craftsmanship, flag, Patrol cheer, etc.
- If a Patrol already has a sled, that sled may be used. Even a child's plastic sled will do!
- All competing participants are expected to operate and manage sleds in an appropriate Safe Scouting manner and to prevent hazards that would result in bodily injury.
- Sleds should be designed to navigate the trails and roadways in both snow and dry conditions because we are uncertain if the order that was placed for at least a foot of snow will be processed in time for the Derby.

Derby Patch Design Contest

Patch designs are turned in to the OA by Patrol at the time of Sled and Survival Kit judging on Friday night, so Patrols are encouraged to prepare this work ahead of time. See [Patch Design Submittal Form](#).

Patrols are awarded 8 participation points (turning in a thoughtful design—scribble on paper will not count towards participation). Additional points are awarded for the winner (2 points) and the runner-up (1 point). The OA Chapter will judge the contest. Submissions should be in keeping with the Scout Oath and Law and in good taste; the Klondike Director reserves the authority to disqualify submissions without appeal.

This year's patch was the winner of last year's Patch Design Competition! See the winning design on the front cover of this packet!

Sled Race Sunday, 10 am Field A Not part of the Patrol scoring competition, but just for bragging rights.

Sled plans: <http://www.inquiry.net/outdoor/winter/gear/sleds>

- If wheels are used, they must be removed for the sled races. OA staff may allow sleds with wheels that are not removable to race separately, but it is at their discretion.
- When the wheels are off, use tennis balls to cover the axles to ensure safety.
- Tow ropes or leads on sleds should be limited to a length that will allow the sleds to be used in a safe manner.
- Towropes or leashes deemed unusually long by the judges will be disqualified from participating in the races.
- Sleds that are expected to be used in the races may not have commercially made skis for runners.
- Racing Scouts must be prepared to prevent falling and to respond appropriately in the event they slip and fall.

Stations

A detailed description of the various stations will not be included in this packet. In general, traditional Scouting skills will be tested such as: orienteering, fire-building, knots & lashings, rope-tossing, nature identification, first aid, Leave No Trace and a number of problem solving or initiative games. A Patrol has to follow instructions carefully in order to complete each event.

The following general instructions apply to each Station:

1. When a Patrol reaches a station, park the sled in the designated parking area and greet the Station Mayors with Patrol Yell / Cheer.
2. Patrol will show Station Mayors their identifying items received at sled check-in. **A Patrol without said items will be penalized 5 points per station.**
3. Patrol should follow the instructions of the Mayor.
4. When a Patrol is given instructions, they should perform those required actions. The Patrol should use learned skills but may also be creative. If the Patrol thinks they have a better solution, they may use that solution and explain why it was used. Teamwork is critical. If good results are obtained despite bickering and uncooperativeness, the score will be worse than a poor result that is achieved with teamwork, positive attitude and real effort.
5. The Patrol shall tell the Mayor when they complete the station assignment.
6. The Patrol Leader should insure the Mayor records results and places scorecard in the score box. Station Mayor will then dismiss the patrol or give further instructions.
7. The start time for all Patrols will be 9:15 am.
8. Stations will close for lunch from 12:00-1:00pm. If Station Mayors determine there is not enough time for a Patrol to start and finish the station right before noon, the Patrol will have to begin at 1pm.
9. Stations will be open from 1:00-4:00pm.
10. **When Patrol has decided they have finished for the day, report to designated area as per directions given at Sled Check-In.**

Station Scoring

Scoring for each station emphasizes the teamwork and the Patrol method of the group as opposed to the specific Scouting skill being tested. If a Patrol cooperates with each other and shows good Scout Spirit, they will do well in the competition no matter how new they are to Scouting. Patrols are rewarded for understanding what Scouting is all about – doing your best while living by the Scout Oath and the Scout Law.

How the Patrol is scored at each station:

- 1-5 Participation (DOING, not just attending)
- 1 Patrol Spirit. (i.e. acting as a group of one and not one of a group)
- 1 Patrol Yell/Cheer (unsolicited)
- 1 Patrol leadership (Does the PL take charge and direct, and make use of his resources?)
- 1 Demonstrating sportsmanship or teamwork (depending on the activity)
- 1-5 Completing the activity/problem
- 15 Maximum Points

Skit

Audition with OA, 4:30 – 5:30 pm Saturday at HQ

Patrols are encouraged to prepare skits and/or songs for the Campfire.

Send two people from Patrol to HQ and present idea to the OA. Participation points will be awarded to those units who pass OA approval and perform in the Campfire Program.

Dessert Contest

Turn in desserts 7:00 – 7:15 pm Saturday at HQ

- Each Patrol should make a dessert from scratch while at the Derby.
- A legible copy of the recipe must accompany each dessert entry, and each entry must be identified by the Unit Number and Patrol Name.
- The Scoutmaster or Troop Leader must certify on the recipe that the dessert was prepared at the Derby from scratch and according to the recipe presented.
- The Patrol Leader and one other Patrol member will preface their presentation of the dessert entry and recipe with a Patrol Yell/Cheer.

Dessert will be judged by the specially trained palates of the OA members of the Klondike Derby staff. Any leftovers will be available for leaders during Cracker Barrel. Don't forget to reclaim Dutch ovens or other non-disposable containers after Cracker Barrel Saturday night.

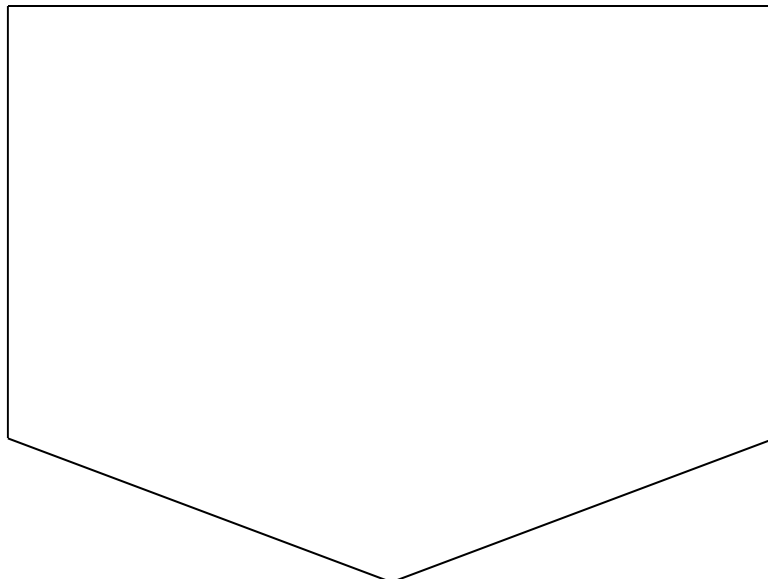
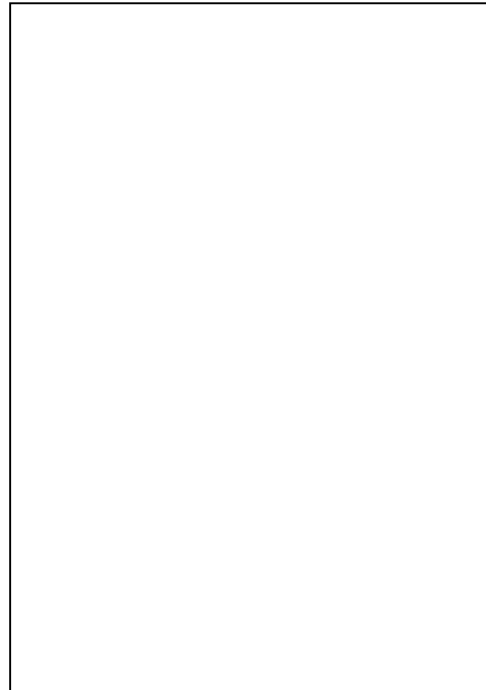
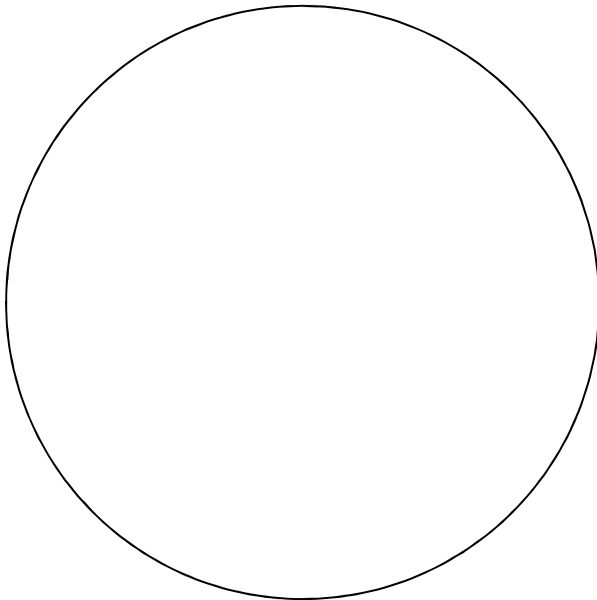
2018 Potomac District Klondike Derby Patch Design Submittal Form

Unit: _____ Patrol Name: _____
(write artist's name on back of entry sheet)

The event organizers prefer that a Scout design the Klondike Derby patch. Therefore, points will be awarded to Patrols as part of the Patrol competition. See "Derby Patch Design Contest" in the [Patrol Competition Guidelines](#).

Patch Requirements:

- Shape: either 3" round, 2-1/2" x 3-1/2" rectangle (in either orientation), or chevron (see samples below).
- Colors: maximum of 9 (nine) colors
- Required wording and logo:
 - BSA Logo
 - "Klondike Derby"
 - "2018"
 - "Potomac District"
 - "STAFF" (on some patches)



2017 Potomac District Klondike Derby Schedule

27 Friday

5:00 – 9:00 pm	Registration – Hawk's Reach (HQ)
7:30 – 9:00 pm	Patrols check in Survival Kit, Sled, and Patch Design Forms to OA & receive Identifiers at HQ**
9:00 – 9:30 pm	Orientation – Nature Center (Scoutmaster & SPL only)
9:30 – 9:45 pm	Station Mayor Meeting (Station Mayor)
10:15 pm	TAPS – Quiet in Camp. All lights out.

28 Saturday

7:00 am	Reveille
7:00 – 8:00 am	Registration for Latecomers – HQ
7:00 – 8:30 am	Breakfast
8:45 – 8:55 am	Flag Raising – Loop A Field
9:15 – 12 pm	Morning Station Sessions**
12:00 – 1:00 pm	Lunch (no stations open during this hour)
1:00 – 4:00 pm	Afternoon Station Sessions**
4:00 pm	Flag Lowering – Loop A Field
4:30 – 5:30 pm	PL+1 submit Campfire Skit Entry to OA at HQ**
5:00 – 7:30 pm	Dinner at Troop Campsites
7:00 – 7:15 pm	Dessert Contest - Patrol Leaders submit at HQ**
8:00 – 9:00 pm	Campfire & OA Call-Out – Amphitheater
9:00 pm	Cracker Barrel – HQ (Adult Unit Leaders and OA Members)
10:15 pm	TAPS – Quiet in Camp. All lights out.
1:00 – 4:00 pm	Webelos Invitational - Check-in at Entrance Gatehouse (gate will be manned)

** denotes scored event

29 Sunday

7:00 am	Reveille
7:00 – 8:30 am	Breakfast
9:00 am	Worship Services – HQ (look for signage) Catholic Mass Non-Denominational Service
10:00 am	Sled Races – Loop A Field Closing Ceremony – Loop A Field
10:30 – 11:30 pm	Site Inspections (see Check Out instructions)
12:00 pm	Park closes

2017 Potomac District Klondike Derby Roster & Final Payment Form

Bring this Form to On-site Check-In at Derby Headquarters.

<i>Unit Number</i>		<i>District</i>	
<i>Name</i>		<i>Email</i>	<i>Mobile</i>
1	SM		
2	ASM		
<i>Additional Adult Leaders Names (use reverse side if needed):</i>			
3		8	
4		9	
5		10	
6		11	
7		12	
Total Adult Leaders (including SM & ASM)			x \$5 per Leader = Adult Fees \$ (Line A)

(Please place asterisk (*) next to name if working as Staff, Station Mayor or OA)

NAMES OF PATROLS & SCOUTS: Total each column for number of Scouts (Use 2nd sheet if more than 3 Patrols)

<i>Junior Leaders</i>		<i>Patrol Name</i>		<i>Patrol Name</i>		<i>Patrol Name</i>	
SPL		PL		PL		PL	
ASPL		APL		APL		APL	
3							
4							
5							
6							
7							
8							
Total Jr Leaders =		Patrol Count =		Patrol Count =		Patrol Count =	
Total Junior Leaders & Scouts			x \$5 per Scout = Scout Fees		\$	(Line B)	
Adult Fees (Line A)			plus Scout Fees (Line B)			= Total Check-In Fee \$	

Make checks payable to:	Minus \$35 if Station Mayor	- \$
NCAC-BSA (Memo on the check: Cost Center 679)	Equals Balance Due	\$

For Klondike Derby Staff Use Only:

Total Scouters & Scouts _____

Balance Due: Cash Amt \$ _____ Check Amt \$ _____ Check No _____ Name on check _____
 Site assignment _____ Additional patches purchased: # _____ Cost: \$ _____

Check Out:

Patches: # of Staff _____ + # of Participant _____ = Total Patches _____

Patrol Participation Ribbon Patches Received by _____

CAMPING DISHWASHING PROCEDURES

For individual camper health and for the good of the natural environment use these procedures at Little Bennett Campground and anywhere else you may camp!

ABSOLUTELY NO DISHWASHING AT WATER SPIGOTS OR BATH-HOUSES!!!

MATERIALS NEEDED:

- Container for garbage
- Paper towel or napkin (from meal)
- 3 dishpans, tubs or buckets
- Detergent (preferably biodegradable)
- Dish scrubber
- Bleach
- Plastic grocery bag

BEFORE SITTING DOWN FOR MEAL: Put large pot or pail of water on to heat.

PRIOR TO WASHING DISHES:

- Set up container for garbage.
- Using small piece of paper towel or napkin, wipe **ALL** food particles into the garbage container:
 1. Wipe utensils first, cups second and plates third. This order ensures that items actually going into one's mouth are as clean as possible.
 2. After all personal gear is wiped, use the same steps for the Patrol cooking gear.



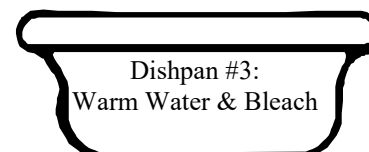
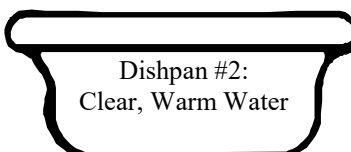
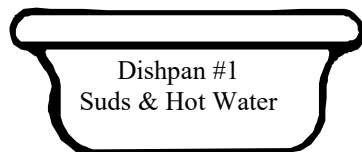
DO NOT ALLOW any gear that HAS NOT been wiped free of food particles into the Dishpan #1.

PREPARING DISHWATER:

Dishpan #1 – wash water: small amount of liquid detergent in first, then add hot water

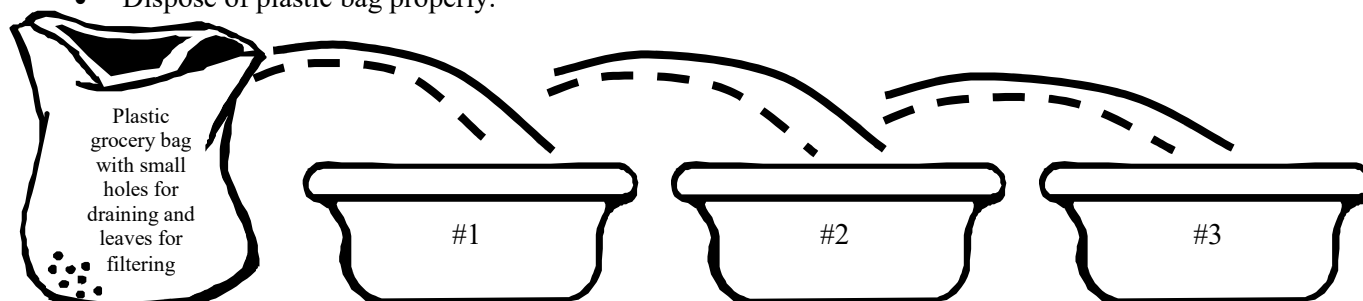
Dishpan #2 – rinse water: clear, warm water

Dishpan #3 – sterilize: lukewarm water with 1 tablespoon beach for every gallon of water; add 1 tablespoon of bleach after every eight campers. Gear stays in this tub for one minute.



DISPOSING OF DISHWATER:

- Prepare a plastic grocery bag for straining any food particles that may have sneaked into the dishpans.
 1. Punch several small holes into the corner of the bag.
 2. Fill the corner with a small amount of leaves and/or pine needles to act as a filter.
- Carefully empty the dishpans into the bag in the following order and allow the bag to drain after each addition ***in a different part of the woods each time:***
 1. Dishpan #1 into the bag.
 2. Dishpan #2 into #1, swish water around and then into the bag
 3. Dishpan #3 into #2, swish water around, then into #1, swish water around and then into the bag. This will ensure that all three dishpans will have an opportunity to be sterilized.
- Dispose of plastic bag properly.



MUST READS about Winter Camping

- You warm the sleeping bag; it does not warm you! Plan to dress lightly by changing into **clean, dry** clothes (even your underwear) when you retire for the night. The clothes you wear during a regular day contain about a pint of moisture from normal perspiration and increase your risk of hypothermia.
- You should pack **all** clothes in heavy-duty sealable Ziploc bags before you pack them. Natural moisture in your clothes when you are camping can be uncomfortable when you get dressed in the morning. Backpacks and duffels are not waterproof and they do absorb moisture, therefore clothes in unsealed bags are damp.
- A closed-cell sleeping pad does **not** absorb moisture. Open-cell pads absorb moisture. An air mattress is useless in winter, actually wicking cold air from the ground to you! If you do not have a backpacking-type sleeping bag rated to at least 10-15 degrees F., bring an extra wool blanket. A fleece liner in your sleeping bag provides an extra layer of warmth.
- Wearing a **wool** watch cap when you sleep is helpful; remember the chimney effect.. A scarf or neck gaiter also help hold in the heat.
- Waterproof your shoes or boots with a “Sno-Seal” **before** your camping trip. Two or three treatments several days apart are useful. Mink oil does not waterproof.
- Putting some of the clothes you will wear the next day inside your sleeping bag when you go to bed will warm them up. Always bring at least one extra pair of **wool** socks and mittens or gloves for emergencies. Plan on using several pairs of socks each day.
- Ventilate your tent at night. A closed tent allows condensation to build up on the roof of the tent and it might “snow” or “rain” in your tent.
- If you are cold or get wet, talk to your leaders. Don’t wait until you are numb or until the early morning hours. Learn what **hypothermia** is before going winter camping and learn to prevent it.
- No one will have extra clothes or equipment to loan to you should yours gets wet. Take a few precautions **before you leave** to go winter camping so you stay warm and dry. If you have questions, get answers to those questions before you leave. Keep an extra set of clothes in the car just in case; it’s good insurance.
- Avoid overheating by adjusting the layers of your clothing to meet the outside temperature and the exertions of your activities. Excessive sweating can dampen your garments and cause chilling later on.
- Damp clothing and skin can cause your body to cool quickly, possibly leading to frostbite and hypothermia. Keep dry by avoiding cotton clothes that absorb moisture. Always brush away snow that is on your clothes before you enter a heated area. Keep the clothing around your neck loosened so that body heat and moisture can escape instead of soaking several layers of clothing.
- A steady flow of warm blood is essential to keep all parts of your body heated. Wear several loosely fitting layers of clothing **and footgear** that will allow maximum insulation without impeding your circulation.

BASIC COLD WEATHER CLOTHING LAYERS

- 1) The **base layer** is basically your underwear—the layer next to your skin. Synthetic and merino wool fabrics work best (avoid cotton). They wick perspiration away from your skin to outer layers so it can evaporate. They dry quickly so you spend minimal time in wet clothing. When snow camping, it’s common to wear 2 base layers: a lightweight or midweight layer, then a thicker heavyweight layer.
- 2) The **middle layer** is your insulating layer. It is primarily designed to help you retain body heat. Consider wool, fleece or microfleece shirts, pants and jacket and/or a goose down jacket.
- 3) The **outer layer**, or shell, is your waterproof/windproof/breathable layer. Laminates such as Gore-Tex, eVent or REI Elements offer premium protection. Less expensive alternatives use polyurethane-coated fabrics that are equally waterproof but somewhat less breathable. Look for core vents and underarm vents that expel excess heat and moisture.

HYPOTHERMIA 101

As the temperature dips, hypothermia can threaten survival for backwoods adventurers unaware of its warning signs. Hypothermia is an abnormally low body-core temperature caused by exposure to a cold environment.

Caution: First-aid management of hypothermic victims should not be based solely on measurements of body temperature because it is often difficult to obtain an accurate temperature in the field.

Mild Hypothermia

When core body temperature drops below 95°F, mild **hypothermia** sets in.

- Person feels cold and shivers at maximum level.
- Person maintains normal consciousness level, remains alert, and has normal or slightly impaired coordination.
- When core body temperature drops below 93°F, the person develops slurred speech, memory loss, poor judgment, and carelessness.

Mild Hypothermia Treatment:

1. Move the person from the cold environment to a sheltered environment.
2. Replace any wet clothing with dry, insulated garments.
3. Give the person warm food and lots of sugary hot fluids (an average-size adult needs about 60 kilocalories of hot drinks or about 2 quarts of highly sugary liquids such as drink mixes) to elevate core temperature 10 F.
4. Slow heat loss by wrapping the person in a sleeping bag, plastic bag, or tarp. Huddling with the person in a sleeping bag will help slow heat loss.
5. Resist the urge to use hot water bottles or heat packs. They can turn off the body's shivering mechanism, and they add very little heat to the body core. Instead, bring water to a boil and have the person inhale the steam, or build a fire.

Profound Hypothermia:

When core body temperature drops below 90 degrees F, profound hypothermia develops.

- The person becomes weak and lethargic.
- The person has an altered mental state (is disoriented, confused, combative or irrational, or in a coma).
- The person is uncoordinated.
- When core body temperature drops below 88 degrees F, person stops shivering.
- When core body temperature drops below 86 degrees F, person's heart pumps less than two-thirds the normal amount of blood. Pulse and breathing are half their normal rates.
- When core body temperature drops below 83 degrees F, the heart is very irritable and unstable, and likely to develop abnormalities. The person is in danger of cardiac arrest. Rough handling of the person increases the potential for cardiac arrest.

Profound Hypothermia Treatment :

Treatment in the backcountry is aimed at stabilizing the person and preventing any further cooling.

1. Handle the person very gently. Rough handling may cause his heart to fail.
2. Place the person in a sleeping bag, or place blankets or clothing underneath and on top of him. Any heat that you can provide will probably not rewarm the person but will help prevent further cooling.
3. A person with significantly altered mental state should not be allowed to eat or drink because of the potential for choking or vomiting.
4. Rewarming is best done in a hospital, because of the potential complications associated with profound hypothermia. Professional assistance is usually needed to evacuate a profoundly hypothermic person.

It may be difficult to distinguish whether a person is profoundly hypothermic or dead. The profoundly hypothermic person may have a pulse and respirations that are barely detectable. Double-check carefully, feeling for the carotid pulse (it is found on either side of the center of the throat where the carotid artery goes to the head). Check this for at least one minute since the heart rate may be very slow. Place a glass or plastic surface next to the person's mouth to see if it fogs up.

When to perform CPR: If the person is breathing or has any pulse, no matter how slow, do not initiate CPR, as this may cause the heart to stop beating completely. If there is no sign of a pulse or breathing after one minute, what to do next depends on your situation:

1. If you are alone or with only one other person, cover the hypothermic person and place him in a protected shelter (place insulation beneath and on top of him). Both rescuers should go for help and stay together for safety.
2. If there are multiple rescuers, and it is safe to stay with the victim, begin CPR. Chest compressions should be done at one-half the normal rate. At least two people should go for help and stay together for safety.
3. If the person can be easily transported out of the backcountry in an improvised stretcher, the rescuers may elect to do this while performing CPR during the transport as best as possible.

Never assume that a profoundly hypothermic person is dead until his body has been warmed thoroughly and there are still no signs of life. It is possible, though rare, that one without detectable signs of life will recover when rewarmed.

Adapted from Wilderness 911: A Step-by-Step Guide for Medical Emergencies and Improvised Care in the Backcountry, Eric A. Weiss, MD