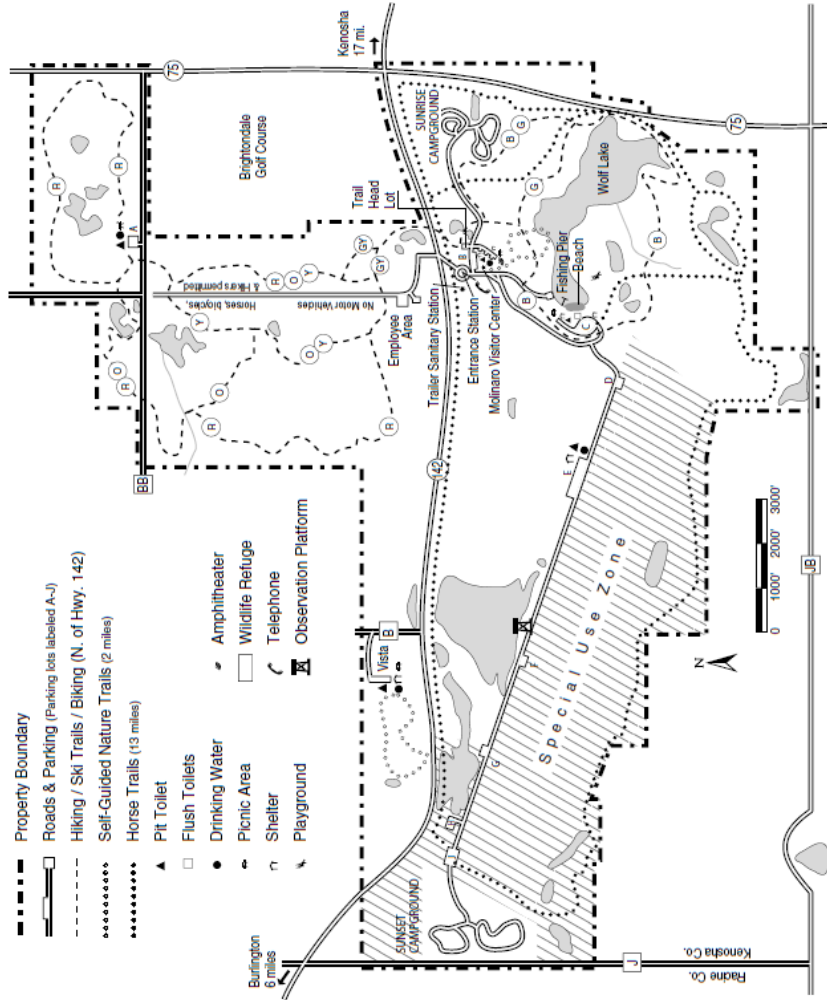




Richard Bong State Recreation Area  
26313 Burlington Rd.  
Kansasville, WI 53139  
262-878-5600





**PLEASE REMEMBER:** All vehicles entering the park for any reason need park admission. Please self-register when offices are closed. Hunting is allowed on property. Ask park staff for more information.

Launch will take place at Wisconsin's Richard Bong State Recreation Area. Ask the Park Ranger at the entrance or the Visitors Center Pavilion for specifics on the location of the Tripoli launch location in the park. Be sure to have or obtain a park pass for your vehicle.

<http://dnr.wi.gov/org/land/parks/specific/bong/>



## Wisconsin Space Grant Consortium

May 6th & May 7th, 2011

Best Western Airport Hotel and Conference Center  
5105 S Howell Ave  
Milwaukee, Wisconsin

# Second Annual First Nations Launch 2011

## Program

### 6-May-2011 Friday Presentations at the Best Western Hotel

- 12:00pm: Doors Open  
Time to meet and greet  
Light refreshments available
- 1:30pm: Welcome—Introduction of Judges
- 1:40-3:20pm: Presentations—Tribal Colleges  
(15 min. for each team)
- 3:20pm: Launch Order Selection  
Teams will be allowed to voluntarily sign up for launch slots starting with slot one. Otherwise slots will be assigned by random draw.
- 3:35-4:35pm: Presentations—AISES  
(15 min. for each team)
- 4:35pm: Final Announcements  
Safety Checks will be done during presentations

### 7-May-2011 Saturday (Rain Date: 8-May-2011 Sunday) Launch Hotline: 262-677-2249

- #### Competition Flights
- Bong State Recreational Area  
Runway, parking lot F (may be relocated depending upon conditions of parking lot)
- 8:00am: Grounds Open
- 9:00am: Pre-launch Briefing (Gather near Launch Control Tent)  
Launch order will be determined at the presentations
- 9:15am: Flights continuing until all teams flown
- 4:00pm End of Launch Window

## Teams Competing

### Tribal Science Teams

- Cloud 9**  
Navajo Tech
- Rez Riders**  
Northwest Indian College
- FDLTCC**  
Fond du Lac Tribal Community College
- Elegant Gale**  
Navajo Tech
- Space Eagles**  
Haskell Indian Nations U

### AISES Teams

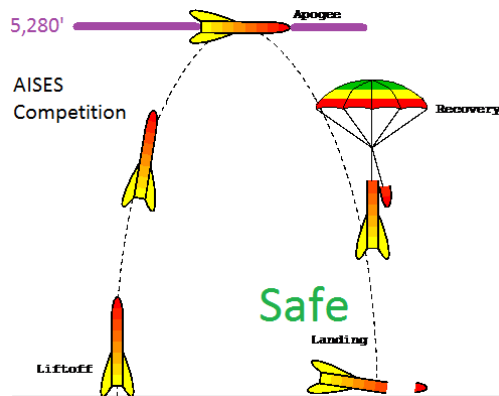
- Ghostspears**  
Haskell Indian Nations U
- Whiterabbit**  
Azusa Pacific
- Northstar**  
UMN Twin Cities

## Science Competition

This year's tribal competition remains the same as last year. The object is to launch your rocket carrying a scientific payload where your team predicts rocket apogee. Winner of the flight portion will be determined by the percentage closest to apogee. (no penalty for going over). Rocket must be recovered with little or no damage.

## AISES Engineering Challenge

The object of this year's AISES competition is to successfully fly a rocket the fastest to 5,280 feet without going over. That is suggesting an airbrake engineering challenge. The competition is weighted more for speed than for closest to apogee. There is a large penalty for going over 5,280 feet.



## Competition Scoring

| Deliverables                         | Short Criterion   | Percent of Score |
|--------------------------------------|---|------------------|
| Operational Safety                   | What are your rocket and team performance safety factors? Are you using a prelaunch check-off list?                               | 15               |
| Quality Assurance / Quality Control  | Is your rocket a high-quality rocket? How well is your rocket assembled and built?  | 15               |
| Rocket Performance Confidence Level  | How confident is your team that your rocket will perform as predicted?  | 15               |
| Payload / Engineering Concept        | Tell us about your payload or engineering solution. Why did you design your solution to the problem or challenge the way you did? | 10               |
| Payload Engineering Confidence Level | How confident is your team that your engineering solution or science experiment will work? What are the expected results?         | 20               |
| Judges Impression                    | The judges confidence in your overall presentation.   | 25               |

**Total** 100