

## Intro Shooting Long Range Steel (PRS style)

On September 18, 2022 Buffalo Creek Gun Club is offering an introduction to Precision Long Range Steel Shooting (Precision Rifle Series, or “PRS” Style) at BCGC for club members. The event is for those who already shoot long range and want to become more effective in a competition setting. Specific approaches around stage navigation, understanding misses, and learning competitive tactics will also be covered.

The event will be hosted by BCGC members Eric Brody, a long-time PRS competitor and match director; and John Harms, a long-time PRS 22 competitor. Both Eric and John are BCGC members with a desire to create a PRS style league within BCGC for both members and guests, and generally help novice shooters become more proficient in long range precision shooting.

**The event is free of charge and is limited to 10 participants with any degree of long range shooting experience.** Round count for the day is unlimited, but plan to shoot at least 75-100 rounds.

**Topics:** Match safety, external ballistics, weather, ranging/DOPE application, positional shooting from ~385 yards to ~685 yards

**Times:** Meet at the BCGC Short Range

7:00-8:30am – Capturing muzzle velocities and verifying rifle zero

BCGC Jim Starr Long Range

9:00-10:00am – Safety procedures, external ballistics and application, wind reading, match formats, etc.

10:30-~2:00pm – Positional shooting with single and multiple target engagements

### Required Equipment:

- Semiautomatic or bolt action rifle chambered in any short action caliber (velocity under 3,100 fps) w/magnified scope with adjustable elevation and windage turrets (MOA or MIL), capable of shooting 1 MOA or better (**a hunting scope with fixed turrets will not work for the shooter at this event**). Muzzle may have a brake, flash hider, or suppressor.
- Detachable box magazine is preferred, but not required – without a DBM, you will be handicapped, and it won't be much fun
- Chamber flag (and a spare) or brightly colored zip tie (if using a zip tie, please bring extras)
- 75 to 100 rounds (more if you wish to shoot more)
- Ammunition ballistic data, if known
  - Bullet weight (even if from the factory ammo box)
  - Bullet BC (ballistic coefficient, can be found on factory box)
  - Muzzle velocity (even if from the factory ammo box)
  - Scope over bore height (we will have calipers available)
  - Barrel twist rate
- Bipod, backpack, or small front rest (not any sort of lead sled or bench rest – it's too heavy and you will be moving it a lot)
- Rear shooting bag (sand sock or other)
- Phone or SMALL tablet w/Ballistic Calculator – **MUST BE DOWNLOADED AND INSTALLED**
- 2 Pens & small notebook
- Eye and ear protection

### Additional/Ideal Equipment

- Tripod with ball- or leveling-head
- Kestrel weather meter/ballistic calculator
- Support bags such as gamechanger, fortune cookie, pump pillow, etc.
- Spotting scope or binoculars (tripod mounted)
- Shooting mat
- Sling
- Knee pad(s)
- Electronic hearing protection (much easier to understand commands/instruction)

Participants must download/purchase and install a ballistic calculator on their “smart phone” or SMALL tablet. Many ballistic calculators are free or low cost to purchase – e.g. (Apple App Store): Shooter, BallisticsARC, TRASOL & Hornady are a few – look for them, evaluate which one you personally like better, download and begin to familiarize yourself. Instructional videos can be found on YouTube for most apps.

To sign up, contact John Harms at [john.harms@me.com](mailto:john.harms@me.com) or 303.330.2482 (or sign up through Member Planet).