



**Comal Springs Riffle Beetle Work Group
Meeting Minutes
Meadows Center for Water and the Environment
October 30, 2019**

Members of this committee included: Conrad Lamon, Chad Norris, Tom Arsuffi, Butch Weckerly, and Ken Ostrand

1. **Call to order:** 9:05 a.m. – All members of the work group were present.
2. **Public Comment:**
There were no comments from the public.
3. **Approve minutes from October 9, 2019 Work Group meeting.**
A motion was made by Ken Ostrand to approve the meeting minutes. Dr. Butch Weckerly seconded the motion. There were no objections.
4. **Review discussion from Meeting 4 on Refugia CSRБ collections and system disturbance and develop final recommendations.**

Chad Furl summarized the outcome of Meeting 4 of the CSRБ Work Group. Tom Arsuffi clarified that the standing stock amount is subject to change as husbandry techniques improve. Ken Ostrand recommended, based on collection and husbandry studies, a standing stock of 50 would be adequate. Dr. Arsuffi recommended 75 individuals at each Refugia facility, 150 individuals total. Chad Norris recommended a genetic study to develop appropriate standing stock numbers. The Work Group determined that 150 CSRБ individuals is sufficient for standing stock at Refugia and will revisit standing stock numbers in 2022 after population studies have concluded. Dr. Furl added, in 2021 a CSRБ pupation study will continue and in 2022 the population study will be complete. To monitor the development of these studies, the Work Group agreed to convene on an annual basis. Dr. Furl informed the group that the next CSRБ Work Group meeting will be in conjunction with the Research Work Group on December 11, 2019.

Regarding CSRБ collection sites, Lindsey Campbell clarified that collection for Refugia occurs beyond Spring Run 3. The Work Group determined that CSRБ collection for Refugia purposes should be separate from collection for Biological Monitoring.

Additionally, the Work Group determined that alternating collections should occur between spring orifices and that 100% of the CSRБ captured on the cotton lure can be collected.

5. Review and discuss CSRB Long-Term Biological Goals and develop recommendations.

Dr. Furl presented the CSRB Long-Term Biological Goals as stated in Section 4.1.1.1 of the EAHCP. Mr. Norris noted that the Long-Term Biological Goals for the CSRB were intended to be similar to the goals for the fountain darter and Texas wild-rice. That said, there should be major changes to the overall goals. Dr. Furl recommended to meet again to discuss the issues and concerns with the CSRB Long-Term Biological Goals after studies have been concluded and more information is made available. The Work Group agreed with Dr. Furl's recommendation to suspend the discussion.

6. Questions from the public.

None.

7. Adjourn.

11:42 a.m.