

Belle Fourche River Watershed Partnership Segment III Amendment

Nonpoint Source Task Force Meeting

Pierre, South Dakota

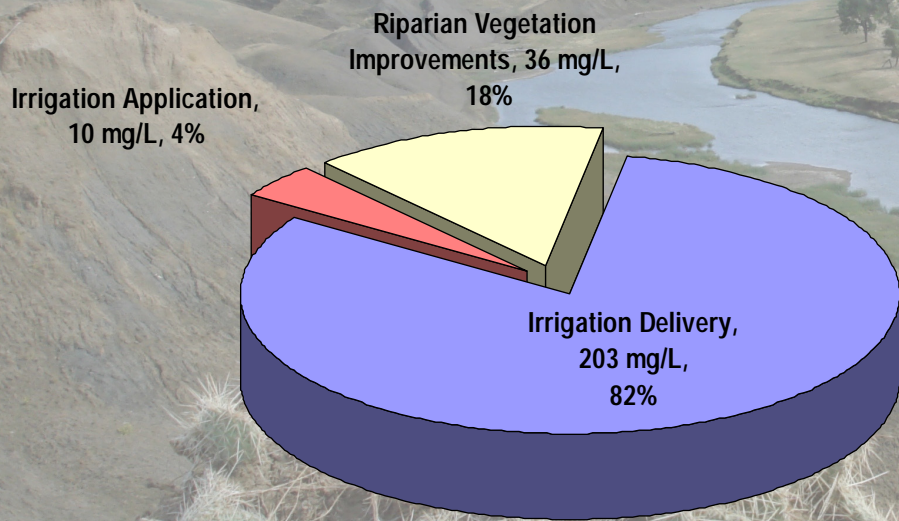
December 4, 2007



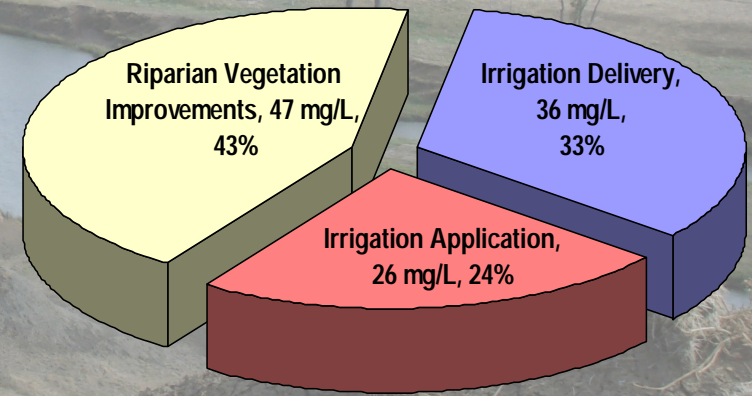
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Watershed Partnership

Belle Fourche River Watershed Partnership Segment III Amendment

- Belle Fourche River and Horse Creek Impaired by Total Suspended Solids (TSS)



Above Orman Dam



Below Orman Dam



Belle Fourche Irrigation District Projects

- 28 Automated gates (319 \$\$)
- 15 Real-time sites (319 \$\$)
- 6,000 feet of lining
- 6,338 feet of pipeline
- Upgraded water card/water order system (319 \$\$)
- Operational model (319 \$\$)



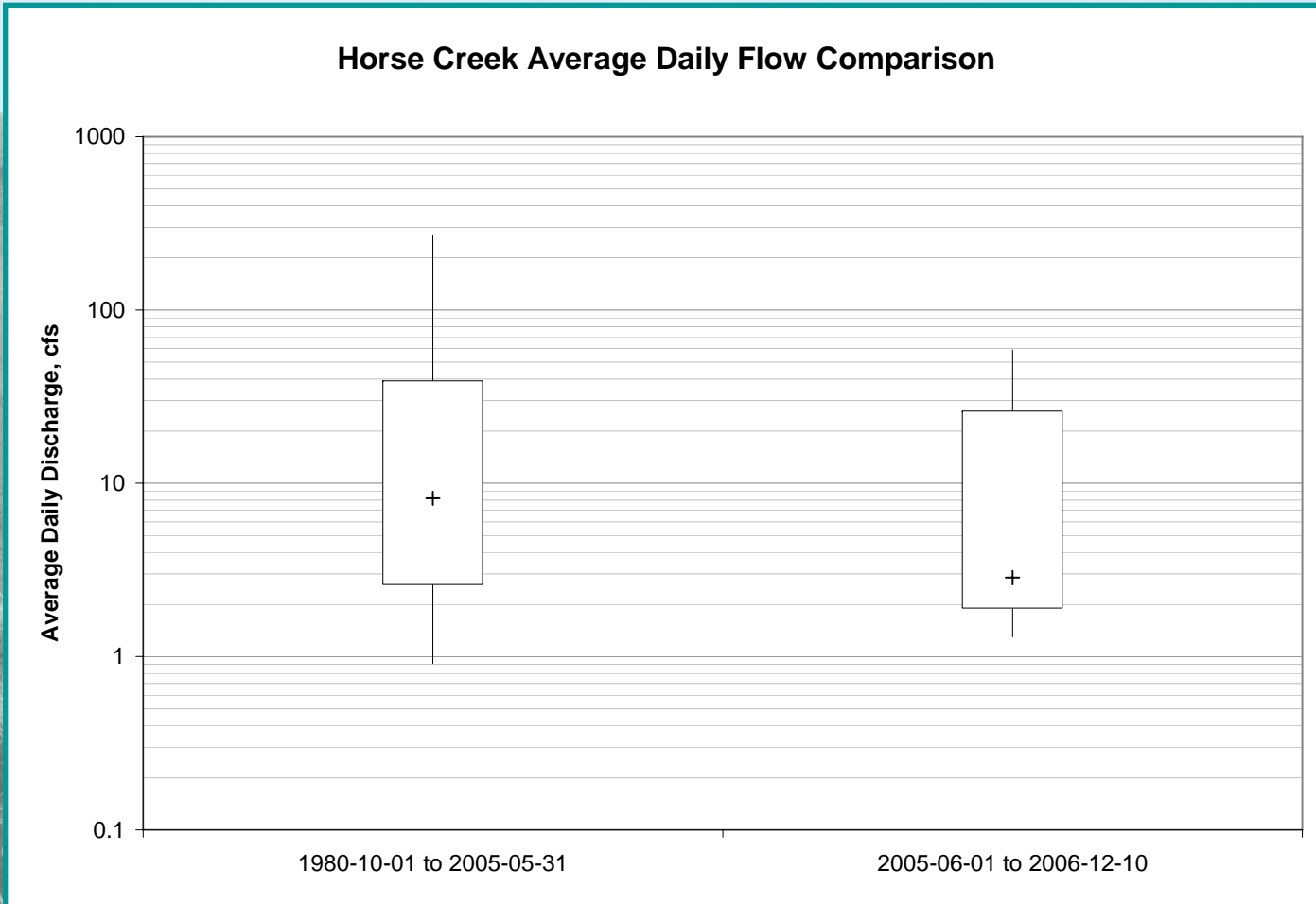
Producer Irrigation Projects

- 4,450 feet of pipeline (1,850 with 319 \$\$)
- 17 sprinkler systems (9 with 319 \$\$)



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Impacts on Horse Creek



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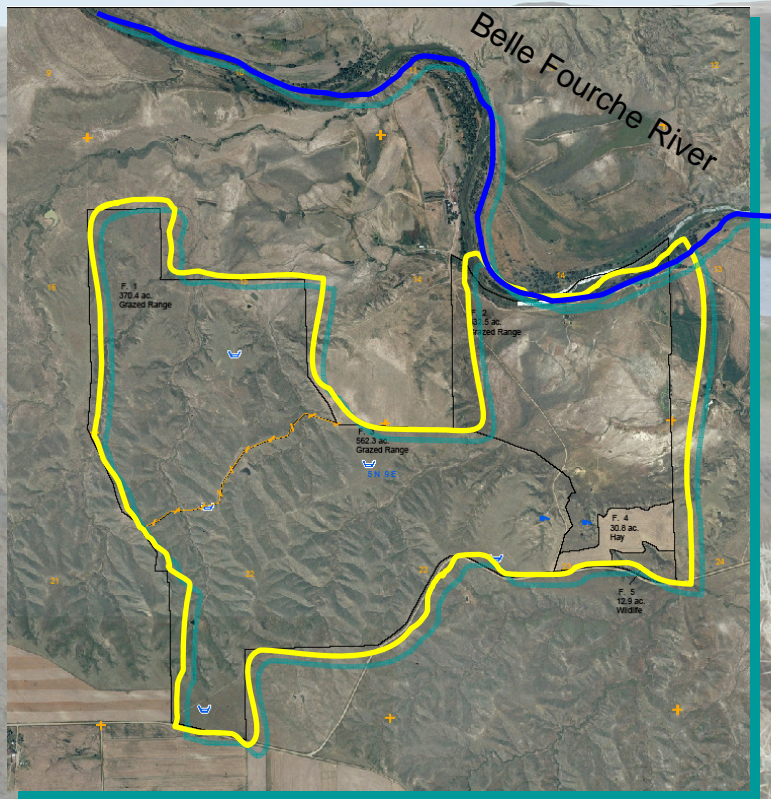
Grazing Projects



- 196,000 Acres Benefited From Implementation Projects (63,117 With 319 \$\$)
- 174,000 Acres of Planned Grazing



NRCS Cooperative Conservation Partnership Initiative Grant (CCPI) \$200,000

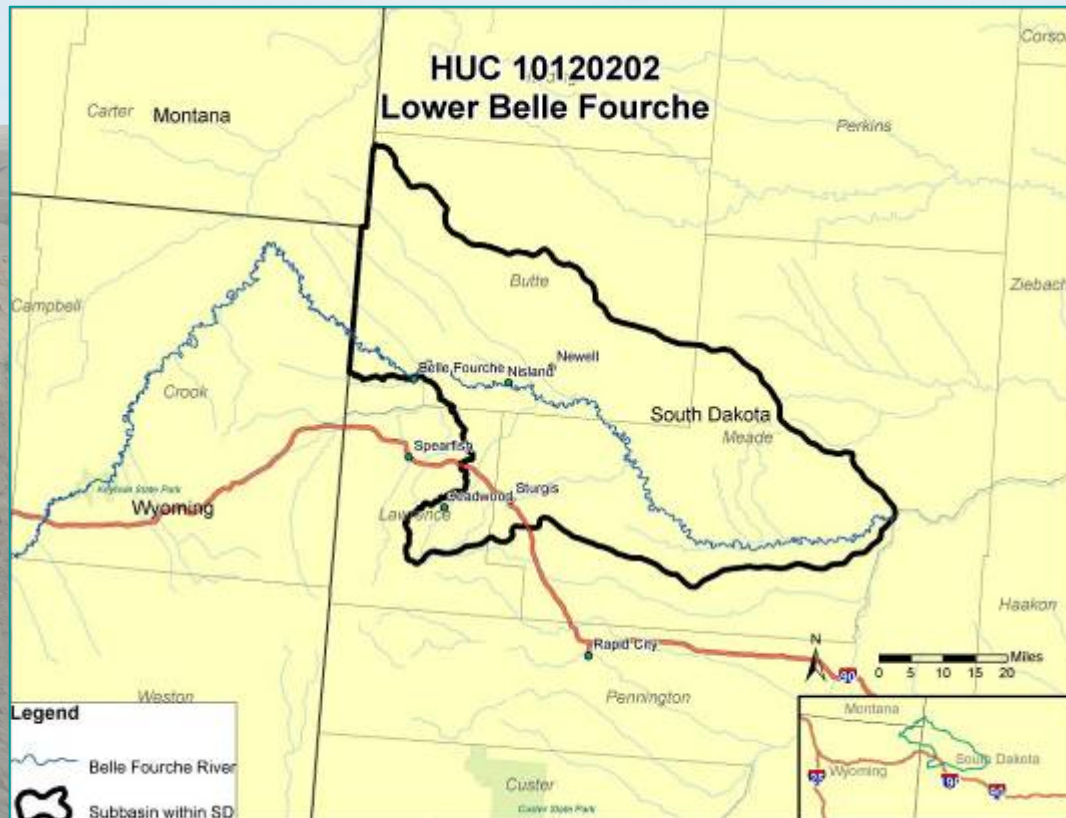


- Inventory Range Resource for Producers
- Develop Improved Grazing Systems That Include 9,000 Acres of Riparian Area to Reduce TSS
- Plan Off-Stream Livestock Watering Sites and Cross Fences to Facilitate Grazing System



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NRCS Rapid Watershed Assessment (RWA) \$85,000



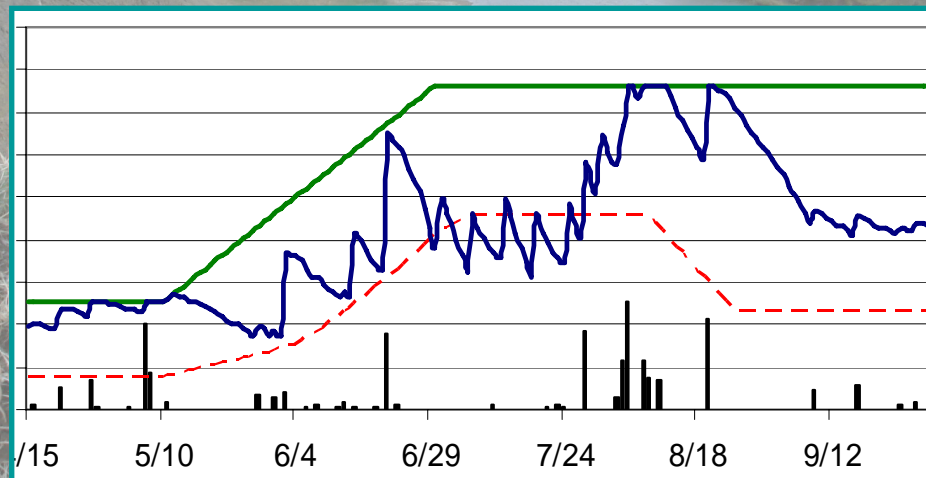
- Compile resource information
- Identify and prioritize resource concerns
- Identify best use of conservation implementation
- Priority funding



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NRCS Conservation Innovation Grant (CIG) \$500,000

- Web-Based Irrigation Scheduling Tool for Producers in BFID – GIS Interface
- Extensive Rainfall and Weather Network Using Automated Sites

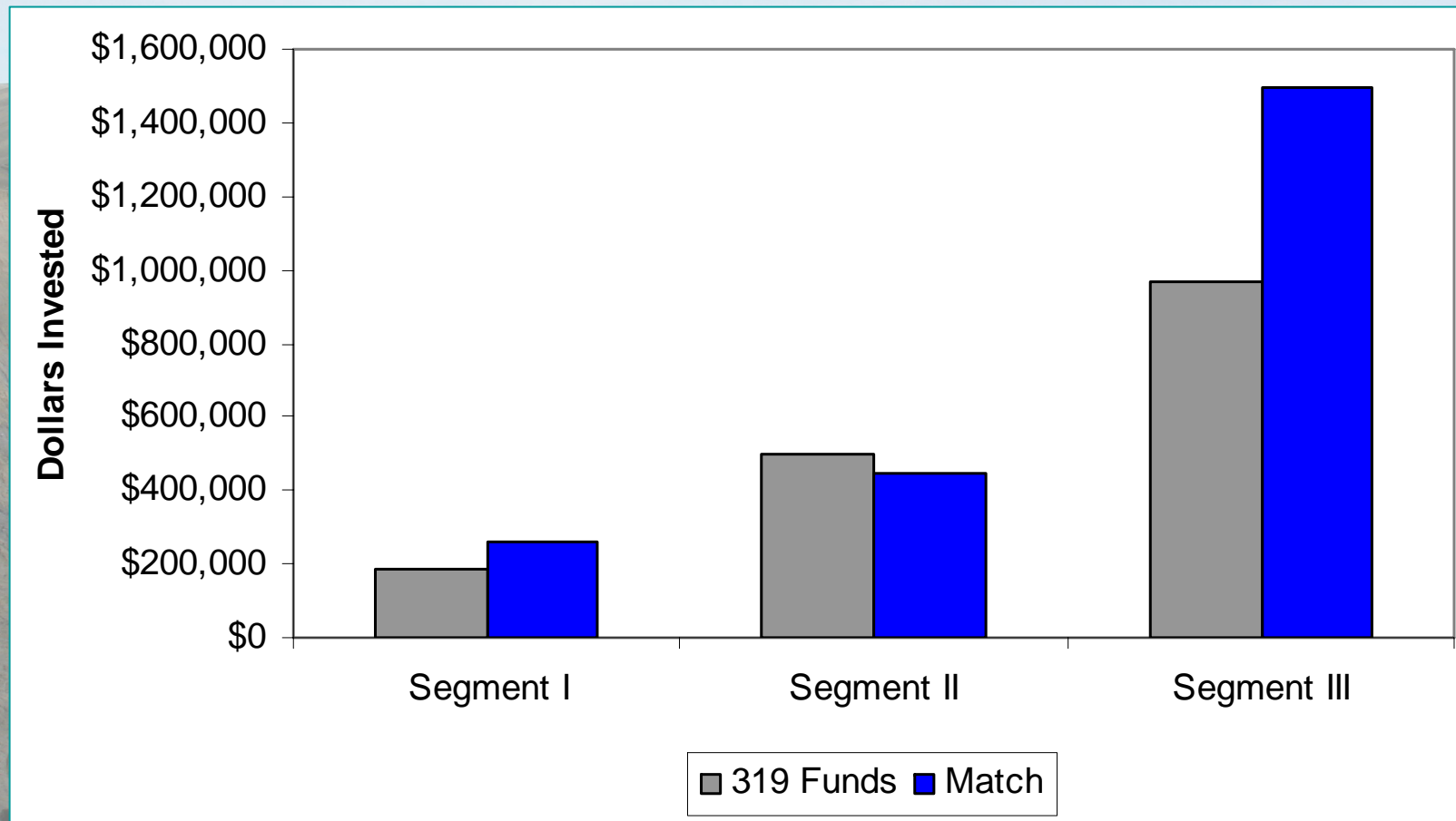


■ Rainfall - - - Minimum Water Balance — Field Capacity — Actual Balance



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Project Over-Match



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Proposed Segment III Amendment

- \$200,000 – Irrigation Implementation Projects
- \$74,600 – SDSU Rangeland Sediment Runoff Study
- \$350,000 – Additional Grazing Implementation Projects
- \$105,400 – Public Education, Outreach, and Monitoring Water Quality



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