

Photo Plates – Englishman River Storage Feasibility, Shelton Lake Option. June 2012.



1. Arrowsmith reservoir (Koers & Assoc photo)



2. Arrowsmith Dam (July 2004)



3. BCCF & WSC staff measuring discharge at WSC stn# o8HBo02 (Englishman R near Parksville; July 2010)



4. South Englishman River (foreground), at its confluence with the Englishman mainstem (background; July 2007)



5. Anadromous falls on South Englishman River, 4.5 km upstream of its confluence with the Englishman.



6. Nanoose First Nation and BCCF staff measuring flow in Centre Cr, the South Englishman's only anadromous trib.



7. Looking downstream (north) on South Englishman River, from a point 165 m upstream of its confluence with the Englishman mainstem.

July 23, 2007.

Discharge is $0.550 \text{ m}^3 \cdot \text{s}^{-1}$, or about 19% of mean annual discharge.



8. Looking downstream (north) on South Englishman River, from the same location as in Photo 7.

July 13, 2007.

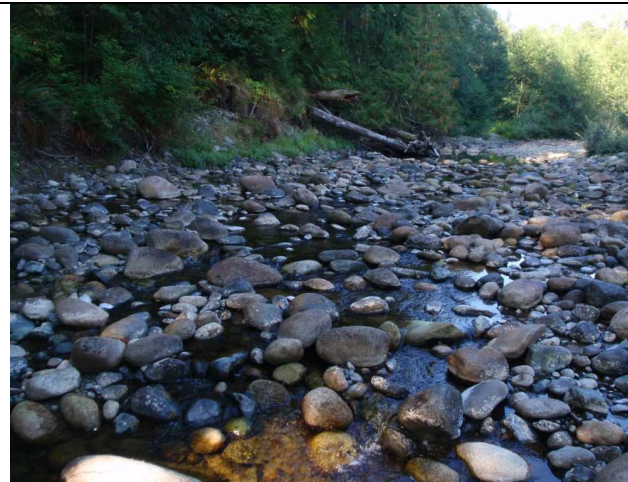
Discharge is $0.068 \text{ m}^3 \cdot \text{s}^{-1}$, or 2.5% of mean annual discharge.



9. Looking downstream (north) on South Englishman River, from the same location as in Photo 7.

July 29, 2009.

Discharge is $0.018 \text{ m}^3 \cdot \text{s}^{-1}$, or 0.6% of mean annual discharge.



10. Upstream view of typical riffle habitat, Reach 1, South Englishman River (0.6% MAD, August 20, 2009).



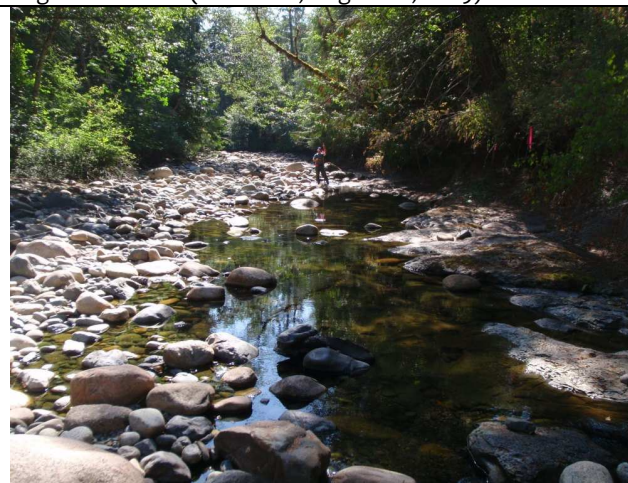
11. Upstream view of typical glide habitat, Reach 1, South Englishman River (0.6% MAD, August 20, 2009).



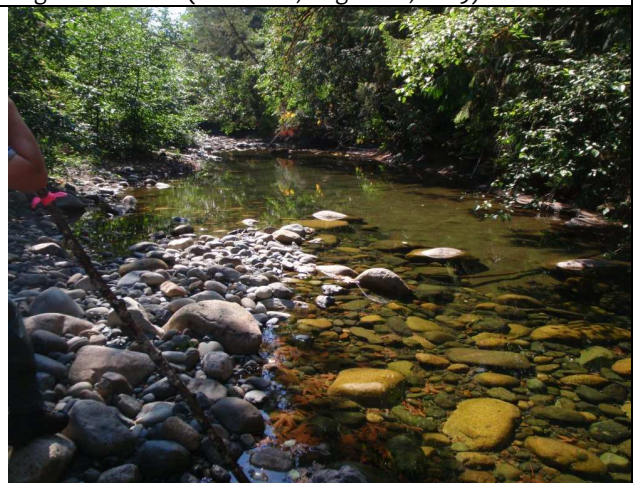
12. Upstream view of typical pool habitat, Reach 1, South Englishman River (0.6% MAD, August 20, 2009).



13. Upstream view of typical riffle habitat, Reach 2, South Englishman River (0.6% MAD, August 20, 2009).



14. Upstream view of typical glide habitat, Reach 2, South Englishman River (0.6% MAD, August 20, 2009).



15. Upstream view of typical pool habitat, Reach 2, South Englishman River (0.6% MAD, August 20, 2009).



16. Upstream view of typical riffle habitat, Reach 3, South Englishman River (0.6% MAD, August 20, 2009).



17. Upstream view of typical glide habitat, Reach 3, South Englishman River (0.6% MAD, August 20, 2009).



18. Upstream view of typical pool habitat (with LWD cover), Reach 3, South Englishman River (0.6% MAD, Aug 20, 2009).



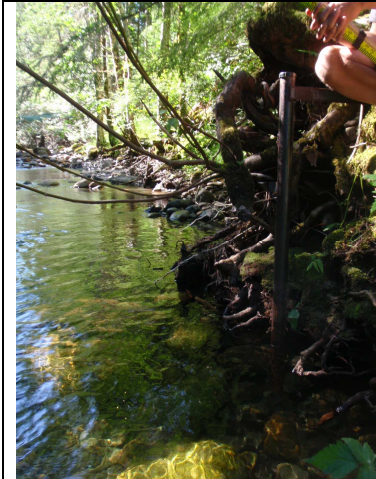
19. Upstream view of typical riffle habitat, Reach 4, South Englishman River (0.6% MAD, Aug 20, 2009).



20. Upstream view of typical glide habitat, Reach 4, South Englishman River (0.6% MAD, Aug 20, 2009).



21. Upstream view of typical pool habitat, Reach 4, South Englishman River (0.6% MAD, Aug 20, 2009).



22. Hydrometric station on South Englishman River above Centre Creek.



23. Lake level station on Shelton Lake.



24. View looking NE of Shelton Lake outlet area. Photo taken May 4, 2007.



25. View looking NE of Shelton Lake outlet area (same view as photo 24). Photo taken September 21, 2009.



26. View looking NE of Shelton Lake outlet area (same view as photo 24). Photo taken October 7, 2008.



27. View looking N of Shelton Lake outlet area. Photo taken December 12, 2011.



28. Aerial photo of north end of Shelton Lake, with outlet in foreground, July 21, 2009.



29. Aerial photo of north end of Shelton Lake, with outlet channel at centre of picture, July 21, 2009.



30. Upstream view of Shelton Lake outlet, with stable log jam in foreground, May 14, 2009.



31. Rainbow Trout holding over spawning gravel in Shelton Creek, May 14, 2009



32. Kelt Rainbow Trout mortality, retrieved from Shelton Creek, May 4, 2007.



33. Spawning Rainbow Trout in Shelton Creek, May 14, 2009.



34. Rainbow Trout fry sampled from Shelton Creek, September 21, 2009.



35. Measuring discharge in Shelton Creek, immediately downstream of Spur C-26 box culvert, May 14, 2009.



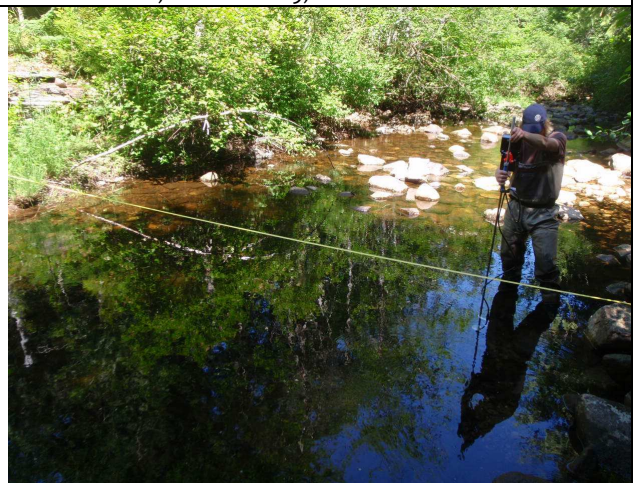
36. Looking downstream on Shelton Creek, 100 m above its confluence with South Englishman River, May 14, 2009.



37. North shore of Healy Lake, looking east from spur access towards outlet, November 19, 2008.



38. South Englishman River ~1.2 km downstream of Healy Lake, with 2 L/sec flow, September 23, 2008.



39. South Englishman River ~1.2 km downstream of Healy Lake, with 40 L/sec flow, July 28, 2011.



40. Closed electrofishing site on South Englishman River, 85 m downstream of Centre Creek (September 22, 2009).



41. Catch electrofished during first pass through site pictured in photo 40, September 22, 2009.



42. Closed electrofishing site on South Englishman River, 60m upstream of Centre Creek (September 30, 2008).



43. Juvenile Steelhead (2 age classes), Coho, and Chinook sampled from site pictured in photo 42, September 30, 2008



44. Closed electrofishing site on South Englishman River, 600m upstream of Centre Creek (September 22, 2009)



45. Chinook fry sampled from South Englishman River site pictured in photo 44, September 22, 2009.