spectives on Flow Augmentation: exploration of water diversions from the Similka River	ameei
September 16 – 18, 2007	_
Kris G. Kauffman,	
P.E. President,	
Water Rights, Inc.	
Private Consultant; Member, since 1979, International Osoyoos Lake Boa Water Right work in the Okanogan River Basin since	

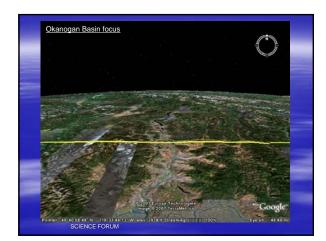
## The Okanogan River Basin

Viewed from a Washington State Perspective

The Okanogan River Basin has a total drainage of 8.340 square miles (sm) and average annual yield (Qa) of about 2.2 million Acre Feet (MAF) (3,035 cfs). This basin enters the Columbia River 533.5 miles from the Pacific Ocean and includes three transboundary rivers (the Similkameen, Ashnola and Pasayten Rivers) and the trans-boundary Osoyoos Lake. The Similkameen River has a basin area of 3.590 sm and a yield of 1.66 MAF (2.290 cfs ~ <u>75% of the average flow of the Okanogan River Basin</u>). In 1846 this basin was bifurcated by the boundary settlement between the US and

Or anogain Ever basing. In 1846 this basin was bifurcated by the boundary settlement between the US and Great Britain. In Washington this basin saw both the first State Adjudication (Similkameen River) and the first State Reservoir Permit (Palmer Lake), both shorty after our 1917 Water Code became effective. Both the existing Enloe Dam (RM 8.8) and the natural storage in Palmer Lake has provided flow modification to attenuate high flows to a minor degree. The LIC has recognized Washington's prior downstream Water Rights covering diversions as requiring deference by upstream junior diversions.

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Okanagan Basin Data:			
~ Total drainage area of 3,150 square miles (38%)			
<ul> <li>The Okanagan enters</li> <li>+/-</li> </ul>	s Osoyoos Lake at River Mile 90.0 and elevation 912		
COURSE AND ADDRESS OF THE APPLICATION OF THE APPLIC	nal Boundary through Osoyoos Lake is at RM 82.5)		
<ul> <li>Flow information;</li> </ul>	Q max, = 3,700 cfs (6/11/90) Q an. av. = 650 cfs (0.47 MAF or 21%) Q 90% ex = 196 cfs Q min. = 56 cfs (1/30/63)		
~ Use information; Irrigation – 55,000 acres reported as of 2006 by USGS.			
<ul> <li>The head of Okanagan Lake and mouth of Deep Creek at RM 194.5 plus the upper Deep Creek bridge at mile 14.6 for furthest RM at 209 for over 127 stream miles in Canada.</li> </ul>			

