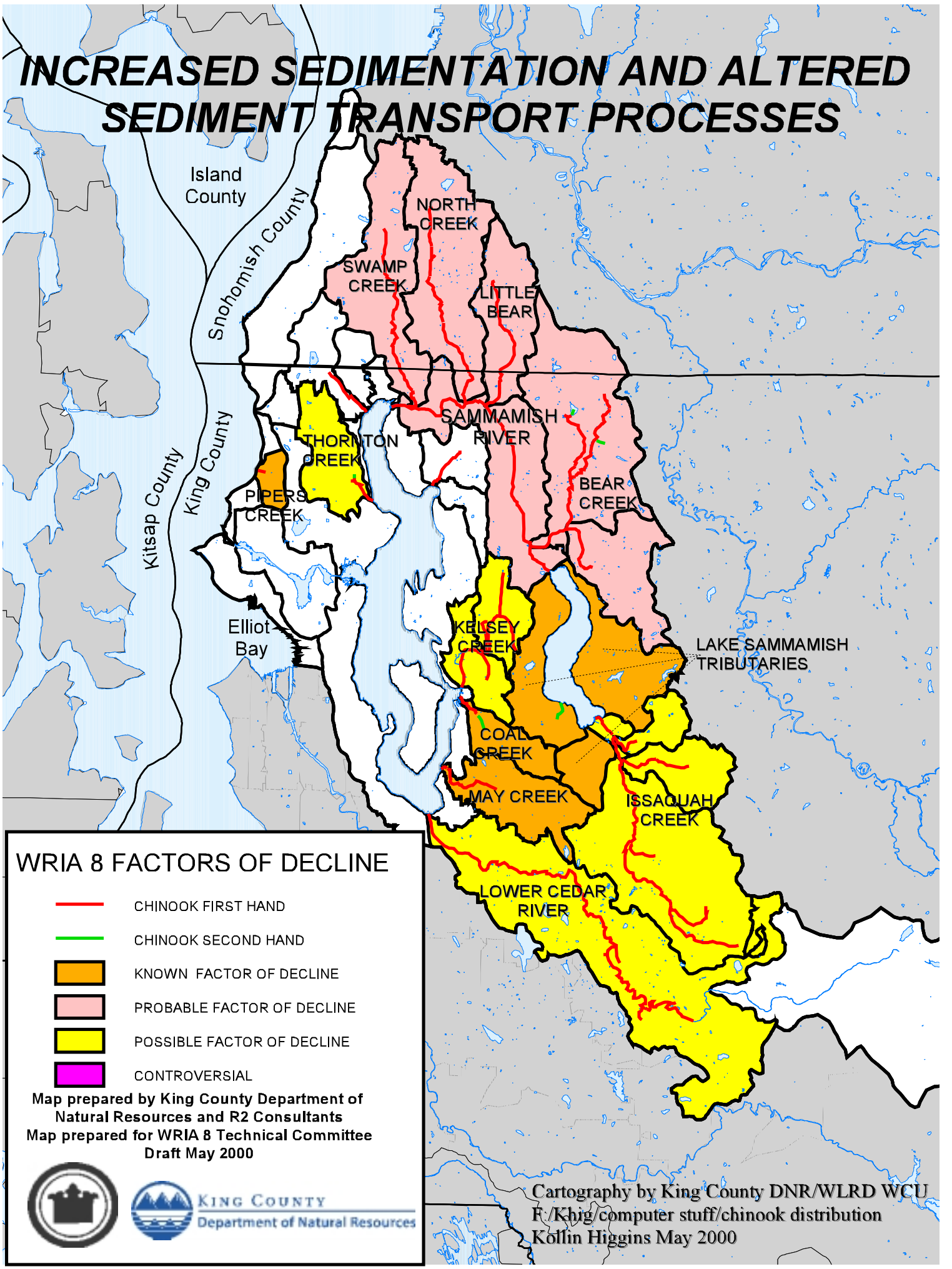INCREASED SEDIMENTATION AND ALTERED SEDIMENT TRANSPORT PROCESSES