

**Figure 2. Imperial Oil Weir Site.** The demand for water to run a steam generated electrical plant resulted in the construction of a weir in 1960 (Hodgson pers comm. 2006). The weir was built at the site of an existing bridge (below) near the Mackenzie River. The pond that was created behind the weir provided Imperial Oil with water for power and the Town of Norman Wells with drinking water. The weir was removed in the summer of 2005 by Imperial Oil who undertook extensive restoration.



The weir at the lower bridge (above) before 2005. Photo courtesy of Imperial Oil Resources Limited.



The lower bridge following removal of the weir in 2005 (above). Successful restoration of downstream habitat. Photo courtesy of Imperial Oil Resources Ltd.



The lower bridge (above) after removal of the weir.



The weir impeded the natural flow of water and created a pond upstream. This led to an accumulation of silty sand that would have normally been transported into the Mackenzie River. Removal of the weir has re-established natural flow. The gray sediments (left) are the remains of the accumulated material. These deposits are a source of concern as rapid erosion may impact habitat downstream.