

# 施工前



蘭興公園旁  
90年5月23日

# 施工後



建德橋

91年8月30日



# Hannmuenden





2001 10 8



2001 10 14



2001 10 14



2001 10 14





2001 10 12

# Titisee









改善水質

恢復河川自然環境

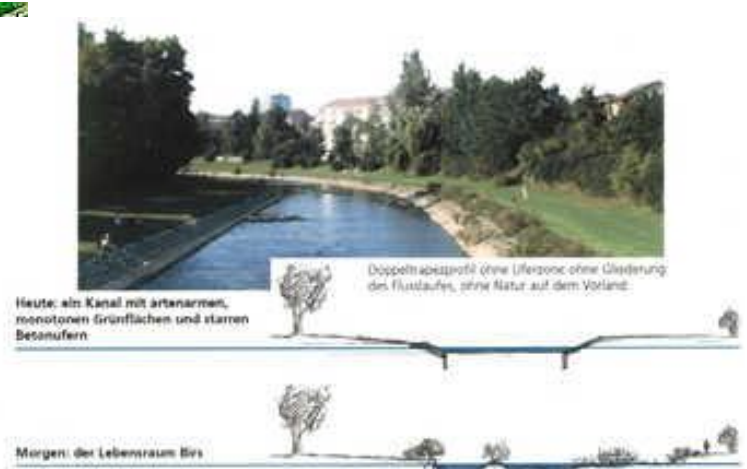
保育及規劃現存的河川窪地



尼塔河整治目標

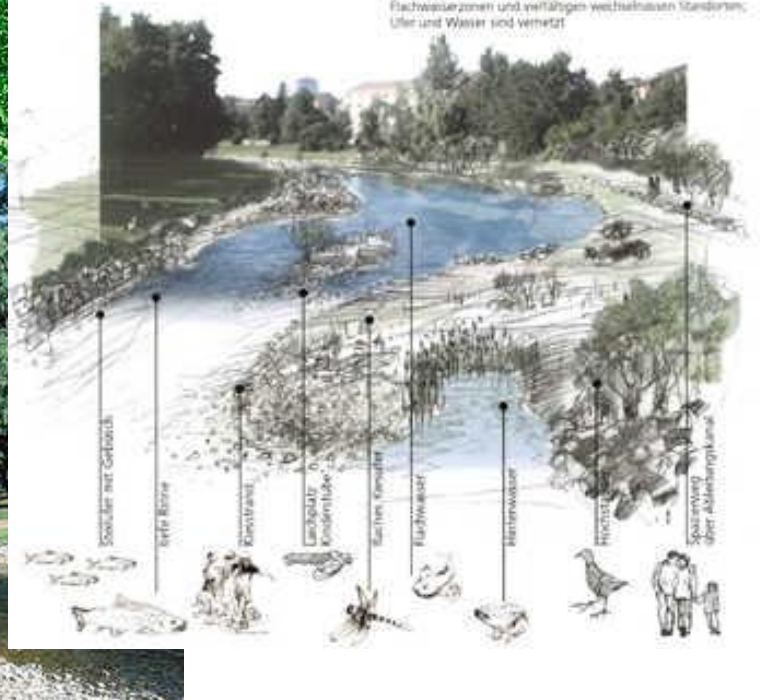


# Revitalisation – Example



Doppeltabstufprofil ohne Uferzone ohne Gliederung des Flusslaufes, ohne Natur auf dem Vorland.

Reich gegliedertes Flussbett mit tiefen Becken, Flachwasserzonen und vielfältigen wechsellagernden Ständen; Ufer und Wasser sind vernetzt



River Birs





# River Training – River Rhine



River Rhine (different sources)

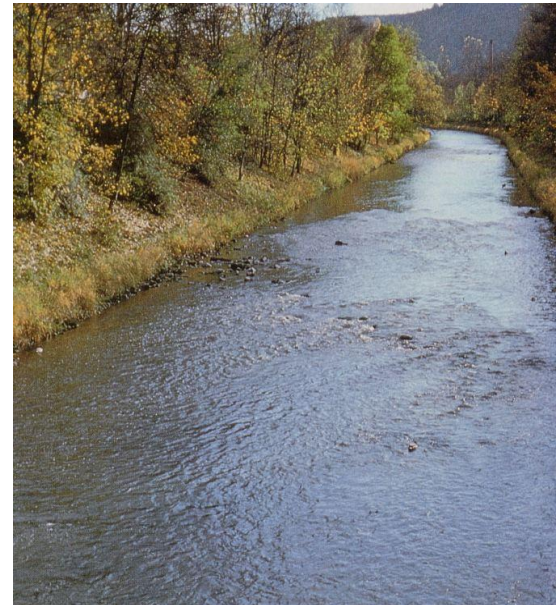


# River Training - Streams



Emscher River

# River Training - Streams



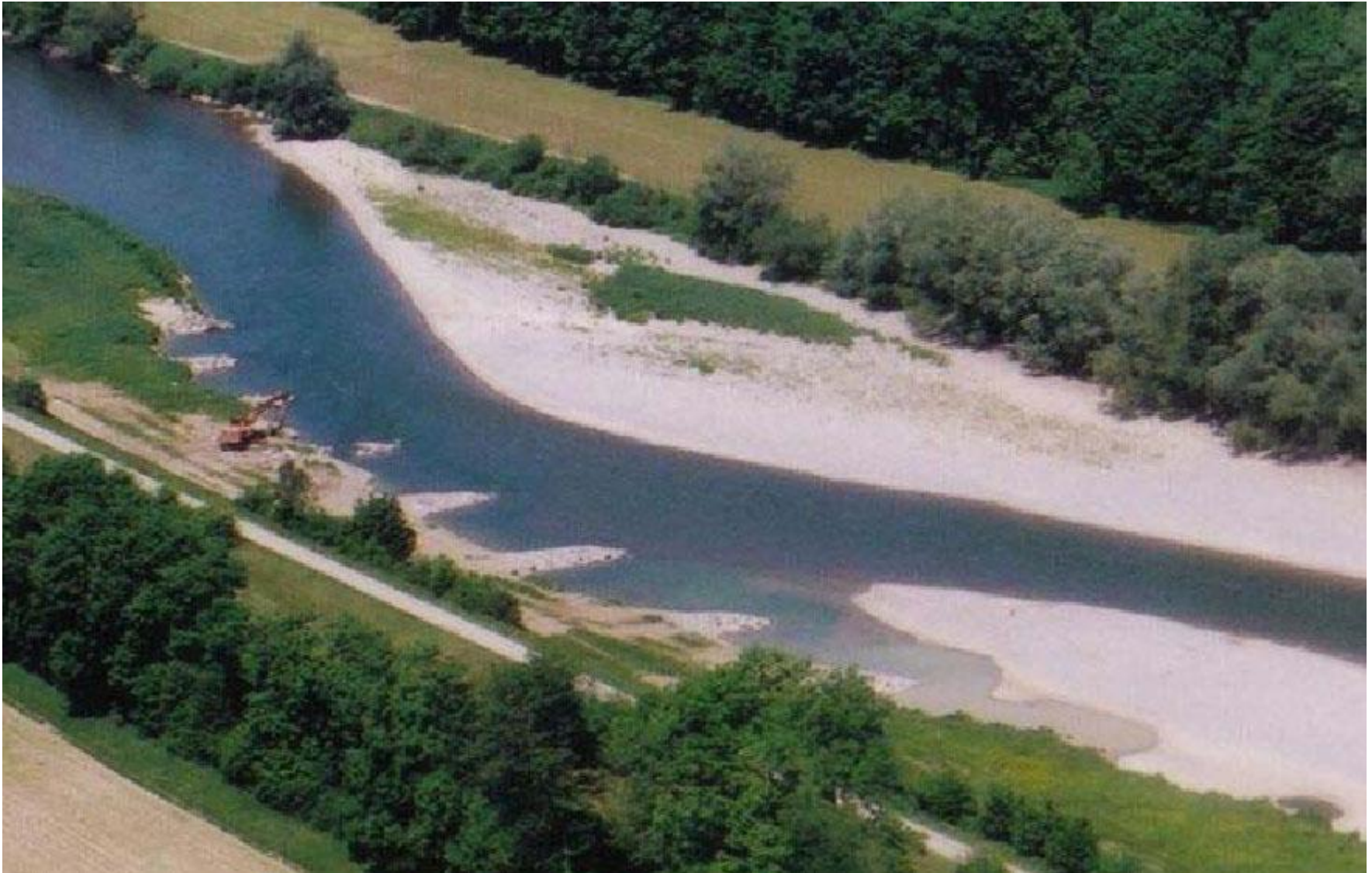
# River Training – Torrents



Torrent Control Structure, Weißenbachtal Photo: S. Cantré



# Ecological Constructions



River widening; Source: EAWAG



# Ecological Constructions



River Isar, near Munich, before revitalisation; Source: BLK



# Ecological Constructions



River Isar, near Munich, after revitalisation; Source: BLK



# Ecological Constructions



River Isar, near Munich, after revitalisation; Source: BLK





# Ecological Constructions



# Ecological Constructions



**Geosynthetic Mortar and Sand  
Mattresses;** Source: Huesker Synthetic

