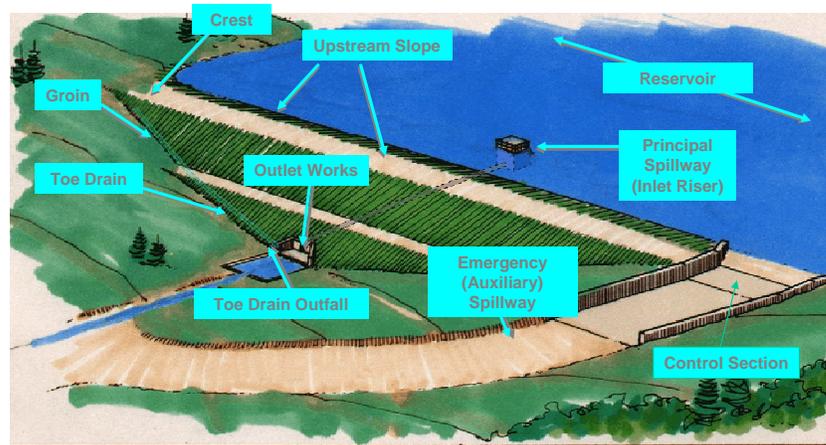
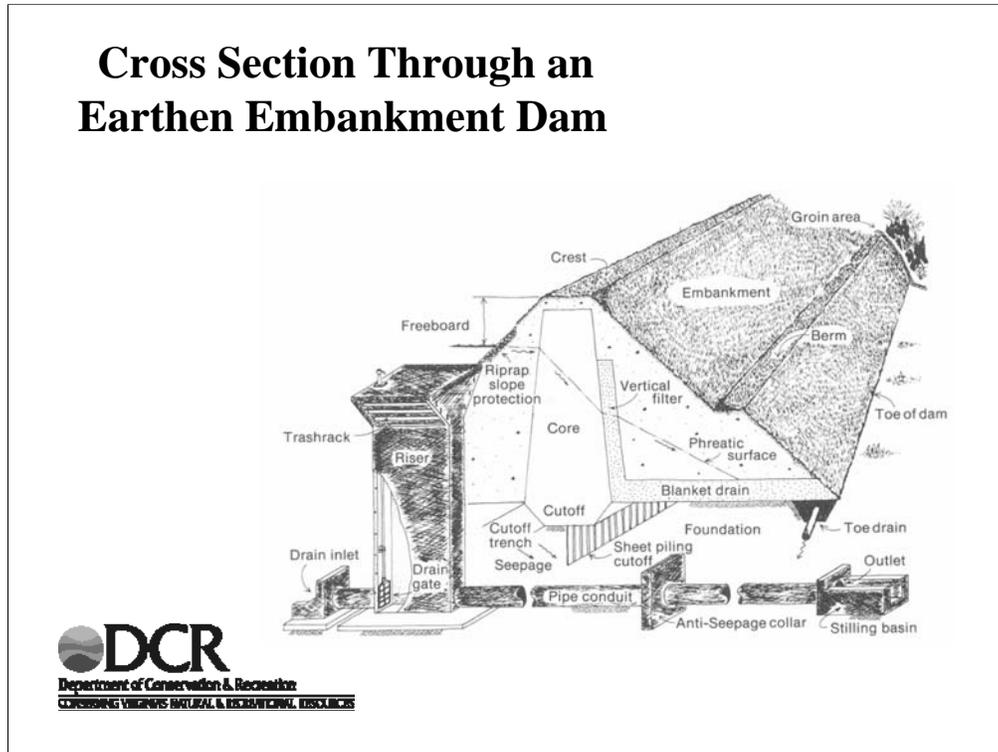


Nomenclature - Parts of an Embankment Dam



1. Engineers at times complicate things by calling a feature by multiple names. The emergency spillway is also called an auxiliary spillway.
2. The crest of the dam is usually the top of the dam but the emergency spillway also has a crest that is referred to as the control section sometimes and is the high point in the spillway.
3. Outlet works could be a plunge pool or an impact basin.
4. The principal spillway could be called a riser tower. On the tower should be a ladder for access, a gate operator, & trash racks or screens to keep debris out.

Cross Section Through an Earthen Embankment Dam



1. The stilling basin shown at the outfall can be different structures entirely. A common energy dissipater is a plunge pool but another structure serving the same purpose is an impact basin.
2. The berm shown on the downstream embankment can be called a bench also.
3. All the different features shown on this slide may not be present in all dams. The core, blanket drain & toe drain, for instance, may not be there. In that case the dam would have homogeneous earth fill (the embankment made of the same materials). Blanket drains and to some extent toe drains are not common in older dams.
4. Sheet piling cutoff "walls" are also not very common.