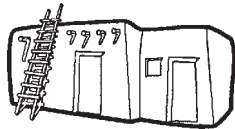


Rio Manso Information Cards

Houses

People moved into the area.

- place houses where you would want to live



RIO MANSO

Agricultural Fields

Include gardens, orchards, cropland and pastures.

- place in the flood plain of the river
- you may need to clear land for your crops
- orient long, narrow fields with the short side next to a ditch

RIO MANSO

Irrigation Ditches and Drains

Irrigation ditches and drains move water to agricultural fields and back to the river

- place drains outside of and parallel to the levees
- irrigation ditches should run from the river to the fields
- remember that water flows downhill

RIO MANSO

Levee

A levee is a raised embankment running parallel to the river. This high berm keeps the river confined in high water, and protects areas beyond from flooding.

- place parallel along the entire length of the river
- place on both sides of the river
- narrow and straighten the river—confine it to a narrow channel

RIO MANSO

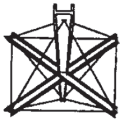
Rio Manso Information Cards

Jetty Jacks

These are giant metal frames the same shape as the pieces in the game of jacks—held together by thick cables. They were designed to protect the levees from being washed away by the river.

The river is narrowed and straightened by this process—confined to a narrower channel. Place:

- some between the river and the levee, on both sides of the river
- some parallel to the river's edge
- some perpendicular to the levee, angling downstream



RIO MANSO

Exotic Riparian Trees

Non-native, exotic trees were brought here by people; most species were introduced in the last 100 years.

- place in the flood plain of the river—the lowland alongside the river
- may grow in the shade under big cottonwoods.
- often grow in openings, such as after a fire

Examples: Russian olive, saltcedar or tamarisk, Siberian elm, tree of heaven



RIO MANSO

Burned Snags

Snags are standing dead trees. Many are created by fire. Most bosque fires are started by people, and fires have increased since humans settled in the area.

- place in bosque between river and levee



RIO MANSO

Dam

Place (or imagine) a dam at the upper edge of the model

- it will cross from one edge of the flood plain to the other—from upland to upland across the river
- it will totally control the flow of the river—water will be released under specific conditions
- catastrophic flood will now be controlled—the spring runoff will be reduced and the summer flow will be increased as water held behind the dam in high flow will be released in times of lower flow

RIO MANSO