The original Dam height was assessed at 7 feet.
Skip Lisle was hired to install a flow device called to regulate pond height.
Since January the Dam has been successfully maintained at a lower height. During hard rains the dam has washed out naturally and the beavers have rebuilt.
The hydrology section of the report examines several possible solutions for maximizing flow through the creek. A combination of flood wall extension and bank overflow was agreed to be of greatest value in terms of cost and system benefit.
Water Quality

Beaver dams act as a natural filter and have been shown to improve water quality. Concerns remain about stagnation/oxygination. The report outlines a proposal for vertical profile testing during the summer months in which there is low flow using volunteer and student effort.
Creek Walk
Bank Stabilization/Burrowing

Concerns have been raised about beavers burrowing in the east bank. Muskrats also tunnel in banks and along dams. This is a drawing of a typical tunnel from a muskrat management article.
Beaver or Muskrat: 
The solution is the Same
Impacts on Other Species

KEYSTONE SPECIES
Trees & Vegetation

Tree to be coppiced
Cut close to base in winter
Shoots rapidly regrow from stool the following spring
Coppice ready for harvest between 7-20 years
Bird Species

Photos: Cheryl Reynolds
Population & Dispersal

Beaver Populations Grow Slowly

- Adults are monogamous; breed once per year
- Kits remain with parents for 2-3 years
- Highly Territorial: One colony/2-4 miles
- Dispersers travel 2-30 miles
Educational Opportunities
Volunteers

- Creek Cleanup
- Paddlers Cleanup
- Willow Planting
- Beaver Docents
Project Costs
Grants & Funding

The mission of the Natural Reserve System is to contribute to the understanding and wise management of the Earth and its natural systems by supporting university-level teaching, research, and public service at protected natural areas throughout California.
President: Heidi Perryman
Vice President Public Relations: Linda Meza
Vice President Wildlife: Cheryl Reynolds
Treasurer: Donna Mahoney
Liability

• Consult City Attorney
• Use knowledgable Experts
• Protect Public
• Demonstrate good faith efforts
• Consider EIR
Economic Impacts

FRIENDS OF THE MARTINEZ BEAVERS

I made this purchase today while visiting the Beavers of Alhambra Creek

Thank you!
public relations

Martinez Beavers saved from death, state agrees to relocate family
Oakland Tribune, CA, Nov 6, 2007

A family of Martinez beavers that officials say pose a danger to the wildlife in the area has been given a chance to avoid eviction. The state Department of Fish and Game has agreed to relocate the beavers to a safer location, sparing them a death sentence after the state agreed to pay for the relocation.

San Jose Mercury News

Martinez Beavers Relieve

Nov 6, 2007

The Martinez beavers, amid an outcry from children and adults alike, have been given a reprieve. The state Department of Fish and Game has decided to relocate the beavers to a safer location, saving them from an upcoming eviction. The state agreed to pay for the relocation, ensuring the safety of the wildlife in the area.
Management Strategy

Addressing the Problems

• Protection from flooding
• Control burrowing
• Prevent Erosion
• Monitor Water quality

Reaping The Benefits

L is for Learning

O is for Opportunity

D is for Downtown Dollars

G is for Guests

E is for Environment
Relocation

- Use only Hancock traps
- Hire skilled expert
- Assess relocation site
- Relocate in Fall
- Know risks
Why live with beavers?

ECOLOGICAL BENEFIT

EDUCATION

WILDLIFE VIEWING

TOURISM