**Response #1**

function and water quality improvement

all significant sources of degradation removed (e.g., polluted/heated stormwater runoff, pipes and culverts removed, straightened channels re-aligned, turf replaced with riparian vegetation, LID stormwater management)

creek daylit through campus and floodplain expanded where corridor is not constrained by existing buildings

significant tributaries daylit through campus and protected where they join creek

native vegetation reestablished with designed transition from riparian zone to public ("manicured") zone

managed human interaction with creek

attractive, permanent structures for student/faculty access to creek for research and instruction, with informational displays

"pocket" areas for well-managed public access to stream; design and built features should designate and protect opportunities for active OR passive uses in each access area

areas of no human access to stream (wild habitat); educational signs throughout, e.g., ecological characteristics (e.g., species type, riparian zone, hydrologic characteristics) pedestrian and vehicular bridges for crossing creek

**Response #2**

A “naturalized” urban stream that functions in a “healthy”/positive way hydrologically and ecologically (e.g. approximates a non-urban stream in its functions).

A “living lab” where students, faculty, staff, decision-makers, the broader community can learn about stream function, its relationship to sustainable communities, historical relevance etc.

A catalyst to promote longer-term, more sustainable thinking about campus and town development.

**Response #3**

I would like to have achieved a more resilient, dynamic, healthy river and riparian ecosystem appropriate to the context (our watershed, floodplain, climate, desired educational and cultural uses.).

Specific changes could include daylighting the creek, adding riparian buffers, altering/engineering channel, bank and floodplain geomorphology to increase aquatic habitat, reduce bank erosion and downcutting, and facilitate normal sediment transport, improved watershed and floodplain management of stormwater runoff and sediment/pollutant flux to creek.

I would like there to be community support, enjoyment, and ongoing educational and research activity on the Creek (i.e., an outdoor environmental laboratory).
Response #4
Develop a broad based vision of Kraut Creek "restored." (Of course, we really should say "rehabilitated." But that isn't sexy.)

That vision must incorporate the three large groups of stakeholders: the local community, academic stream restoration experts (US!), and the technicians who do the work.

Make the recommendations responsive to the full body of literature on stream restoration (which we have almost entirely ignored to date).

Avoid mission creep.

Avoid trendy restoration schemes. I'm talking about Rosgen.

Response #5
A community that is aware of its impacts and knows how to be good stewards of the watershed.

Response #6
A remediated stream that has a sustainable ecosystem as near to original as possible…this means adequate riparian buffers throughout with highly controlled access points for workshops, teaching, demos, maintenance. All direct outfall pipes will be eliminated or have BMPs employed to minimize stormwater and pollutant impact. There would be signage for BMP and design point illustration. The stream would have access by faculty, students and other researchers which use the stream as a living experimental facility. The campus and Boone would have employed stormwater BMPs to reduce flash flood and storm water impacts. The stream would be a continuous source of pride and funding for the campus and the town.

Response #7
Twenty years from now, KC will …

1. be well understood, admired, and respected by the campus and town communities.

2. flow above ground its entire length.

3. be shaded and surrounded by a riparian buffer consisting of native vegetation.

4. support aquatic life native to this area.

Response #8

(1) a natural outdoor laboratory for use in research and teaching

(2) a recruiting tool for the new environmental sciences major in addition to our established programs

(3) a location for testing stormwater techniques (BMPs)