

To: Brisbane City Council, Brisbane City Manager Clay Holstine, Community Development Director William Prince

From: Michael Barnes

Date: Tuesday, March 21, 2006

Subject: Suggested areas of focused study for the Baylands Specific Plan

I would like to see the following areas studied during the development of the Baylands Specific Plan Environmental Impact Report. These are intended as study areas and not project alternatives.

- 1) Study ways to maintain salinity of Bay with increase in impermeable surfaces.
- 2) Study optimal Lagoon conditions for native and migratory wildlife - dredged, deep water lagoon vs. tidal mudflats.
- 3) Study effects on wildlife and water quality of a tidal mudflat (a delta) at the eastern end of the drainage channel/river park.
- 4) Study impact of elimination of east-west road from Lagoon way to Bayshore at Ice House Hill.
- 5) Study optimal design of upstream river park waterway that maintains seasonal changes in salinity compatible with historically native wildlife
- 6) Measure and model sound contours of existing CalTrain rail line and proposed below-grade rail corridor
- 7) Study alternate below-grade rail corridor walls that absorb sound - both materials and configuration
- 8) Model total settlement of underlying materials over the life of the project, and project starting grade height so that the project always remains above the level of Bay. Investigate possibility of maintaining elevations through soil replacement.
- 9) Study impacts of removing all but 10' of existing clean dirt fill to phase II area, installing clay cap/impermeable membrane, and returning clean dirt fill to phase I area.
- 10) Study impacts of installing more than one vapor or leachate migration barrier between layers of existing clean dirt fill. Would such an approach provide any greater assurance against vapor and leachate migration?
- 11) Study impacts of job creation on housing demand – detailed analysis of quantity of housing at each economic strata for those working in the Baylands, and where these housing units could be located in and around Brisbane