Lower Rio Grande, Rio Grande Estuary and Lower Laguna Madre

Basin and Bay Expert Science Team,

30 June- 1 July 2011 meeting

University of Texas at Brownsville

Agenda

Thursday 30 June 2011

I. 0900-0910 – Introductions and minutes
Review and approval of minutes from 26-27 May 2011

II. 0910—930 Project Administration

A. SAC and BBASC updates (Horan and/or R. Brandes)

B. Budget update (DeYoe)

1. Allocated an extra $5k from SAC

2. Letter to SAC for funding in 2012

III. Assignment updates

1. Water budget for Rio Grande (Marin and Benavides)
2. Investigate IWBC diversion data and Mexican return flows (Benavides)
3. TxBlend model- complete development by June meeting (TWDB)
    1. PP presentation (remote)
4. Update seagrass distribution map for LLM (Pulich)
5. Organize/interpret fisheries for LLM, Arroyo and Rio Grande (Edwards)

1030-1045 Break

1. Review Arroyo WQ study and and fish kill data for Rio Grande and Arroyo (Buzan)
2. Review literature on salinity/nutrient effects on seagrass (DeYoe)

3. Review water quality data for LLM (DeYoe)
4. Qualitative summaries for
    1. Resacas (Buzan)
    2. San Martin Lake (Buzan and DeYoe)
    3. Bahia Grande (DeYoe)
    4. Above tidal Rio Grande (fish- Edwards, riparian veg- Pulich, WQ- DeYoe).

1200-1245 Break for lunch

IV. Definition of sound ecological environments for LLM and tidal Rio Grande

A. Species or guilds of interest

B.Relationship of those species or guilds to freshwater inflows

C.Period of record

Biological data, WQ data, precipitation data, river data

Break 1500-1515

Friday 1 July 2011

V. 8:40-9:30 Rio Grande Water Master

VI. 9:30-10:30 Nutrients rather than salinity as the key to LLM FWI recommendation

Why nutrients? Which nutrients? How much is good/bad?

What data are available?

Is there a relationship between flow or FWI and nutrients in the AC and the LLM?

Is there a modeling approach available?

VII. 10:30 – 11:30 Mexico water rights issues (Roger Miranda, TWDB)

VIII. 11:30 – 12:00 Review assignments, meeting dates and schedule