

EDUCATION, SCIENCE AND TRAINING

SENATE LEGISLATION COMMITTEE – QUESTIONS ON NOTICE 2004-2005 BUDGET ESTIMATES HEARING

Outcome: CSIRO
Output Group: - CSIRO

DEST Question No. E235_05

Senator Carr provided in writing.

Question:

What funding has CSIRO received from any other irrigation companies? [Other than MIL]
If it has, please provide details of when, how much as well as the specific purpose of the funding?

Answer:

CSIRO has provided the following response.

Funding from irrigation companies

CSIRO has undertaken research projects for Coleambally Irrigation Ltd., Murrumbidgee Irrigation Ltd. and Goulburn Murray Water.

Coleambally Irrigation Ltd.

Since 1995, a number of CSIRO studies have been funded by the Coleambally Irrigation Limited. These studies were mainly focused on the development of models and strategies to facilitate net recharge management for waterlogging and soil salinity management as part of the Land and Water Management Plans.

- Title: Development, training and implementation of net recharge management models.
 - Purpose: Develop models to determine net recharge management options at farm, sub regional and regional scale while ensuring farm profitability in the Coleambally Irrigation Area (CIA).
 - Period: 31 Dec 1995 -30 Apr 2000
 - Value: \$309,000
- Title: Conjunctive Water Use - CIA Prospects
 - Purpose: To investigate the potential problems for Conjunctive Water Use in the CIA.
 - Period: 1 July 1999 – 30 June 2002
 - Value: \$121,156
- Title: Groundwater dynamics in the CIA
 - Purpose: Address ground water management issues in the CIA
 - Period – 1 Nov 1999 – 31 Oct 2001
 - Value: \$25,709
- Title: On Farm Net Recharge Contracts to meet regional environmental goals
 - Purpose: Develop and rigorously test net recharge management models including a Windows based version of SWAGMAN Farm software.
 - Period: 1 Nov 2002 – 29 Feb 2004
 - Value: \$45,601

- Title: Hydrological study of Coleambally Outfall Drain
 - Purpose: Baseline hydrological study of Coleambally Outfall Drain
 - Period: 2001
 - Value: \$31,089
- Title: Coleambally outfall drain area groundwater priority management zones
 - Purpose: Mapping groundwater priority management zones in the upper part of the Coleambally outfall drain area
 - Period: 2001
 - Value: \$13,629

Murrumbidgee Irrigation Ltd.

The main project with the Murrumbidgee Irrigation has been the development of a surface and ground water management model of their area of operation.

- Title: Validation of the ELISA field kit for determining molinate in drainage waters of the Murrumbidgee Irrigation Area (MIA)
 - Purpose: To evaluate, under field conditions, a portable ELISA kit for its ability to provide rapid quantification of Molinate levels in contaminated drainage waters in the MIA and to determine the effectiveness of the FILTER system in removing Molinate from drainage water.
 - Period: 20 May 2000 - 30 Sep 2002
 - Value: \$15,618
- Title: Development of Murrumbidgee Natural Resource Management Tool
 - Purpose: Develop a detailed (750 m mesh size) model of the MIA using state of the art modelling technologies which can accurately represent the hydrogeology of the MIA.
 - Period: 01 Jan 2001 - 29 Feb 2004
 - Value: \$141,782
- Title: Water use in irrigated vineyards in the MIA
 - Purpose: Undertake, for the first time in the MIA, a rigorous study of vineyard water use under furrow/flood irrigation and after adoption of drip irrigation.
 - Period: 01 Nov 2003 - 31 Oct 2005
 - Value: \$40,843

Goulburn Murray Water:

- Title: GMW – Salt loads, tile drainage
 - Purpose: To devise drainage management strategies.
 - Period: 2001 - 2003
 - Value: \$52,050