

## Livestock applications



Moroak Station cattle – Northern Territory

### *Applications in detail:*

**Moroak Station Katherine (NT)** - beef cattle - salinity and calcium - TDS 450 to 5,000 (640 to 7,500 EC) - several kilometres of pipes - >15,000 head of cattle;

Tony Davis, the Barefoot Cattleman, runs Moroak Station 100km east of Mataranka in NT, where he runs Brahman cattle. The three bores at Moroak are 450, 750, and 4950 ppm respectively. Tony uses an 80 mm Hydrosmart for his livestock to remediate the effects of salinity on the cattle and the effects of scale on his pipes. He also uses a 60mm Hydrosmart on the bore feed to his house to counteract scale

**Bidura Pastoral (Vic)** - Organic Sheep farm - eliminated losses of up to 10% sheep stock on 6,000 (8,500 EC) sodium chloride level bore water;

An organic sheep farmer in Victoria 'Bidura' Pastoral Co applied Hydrosmart as he was looking at the bore water as a possible cause of his approx 10% stock loss which the DPI had been asked to conduct autopsies on in his quest to overcome. In the process of the DPI investigating his dead sheep they reported there was no traceable cause to why the stock were getting the diarrhea and illness issues being experienced on his farm. When he applied the system to his water of approx 7,000 ppm salt he was pleased months later in a follow up call to report that his sheep had ceased dying and were indeed all healthy and well.



**John Noonan-Bendigo (Vic)** - Horses - Hydrosmart freed up minerals for improved muscles;

John and Jedda Noonan racehorse breeders in Sedgewick Victoria fitted three units for gardens and specifically to see if the magnesium and calcium in his bore supply could be made available to his horses for better muscle development, after several months passed we made contact and he said the counts had swung around and he had indeed seen increases in his follicle testing that had caused him to need to change his electrolyte addition regime to balance up the new intake happening when treating the water with Hydrosmart, which was the same water supply he had always been using prior to Hydrosmart going on.

**Piggery Esperance (WA)** - ulcer control - effluent BOD control – corrosion control - elimination of scale deposits from surfaces – elimination of calcite from footvalves of pumping equipment

A piggery where pigs were getting ulcers regularly due to saline bore water fitted a unit and the farmer reported that they had ceased occurring, as had his galv pipes stopped leaking (ie corrosion due to salt) and the foot-valves were no longer blocking in the wastewater ponds. However when initially asked if he had seen any benefits the farmer was unsure until discussion was had and we arrived at these findings together- he since sold his farm.

*Additional applications - hooved livestock*

**Flavel Enterprises Livestock (WA)** - 4,700 ppm (6,700 EC) - salinity;

**L. Langridge** - 900 ppm (1,300 EC) - salinity - iron;

**Glen Echo (Qld)** - salinity for sheep and gardens;

**Caro Jay (Vic)** - salinity - horses - garden;

**Dairy (NSW)** - bacterial drops in milk, algae control /elimination in tank, scale elimination, cleaner dairy;

**Craven Pastoral Dairy (Vic)** - steam generator scale elimination/control;

Craven Pastoral in Victoria fitted the unit on its bore supply for the dairy and recorded drops in the bacteria count of its milk of quite significant proportions after having quite a severe problem that was not being effectively resolved in any other manner. The water was treated prior to the heater and used for the washdown of the milking gear. They were experiencing scaling problems on the heater element and very high bacteria counts in the milk before installing a Hydrosmart.



# HYDROSMART

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*Chicken Farms; Piggeries Applications; Prawn Farming (aquaculture):*

**Lippolec Holdings poultry (Tamworth NSW)** - scale elimination, prevention, healthier egg shells;

**Mc Kay and Sons Piggery (Bordertown SA)** - struvite elimination from drains and odour control;

**Bangkok Prawn Farm** - algae and disease control of prawn stock;

**Urrbrae Agricultural High School (SA)** - Barramundi farm;

**Darlinghurst Apartments** Bali-style fish ponds - greatly improved water quality and healthy carp stock;

**Southern Barramundi (SA)**

**Luv A Duck (Vic)** - 1,900 ppm TDS removal and prevention of iron buildup,