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Sediment, stakeholders, dollars and solutions: developing solutions to sediment run-off in the Fitzroy Basin

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Central Queensland
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Queensland
Government



FITZROY BASIN ASSOCIATION

Fitzroy Basin



Source: Fitzroy Basin Association

Background

- Water quality diminished
- Reef Water Quality Plan
- Fitzroy Basin Water Quality Improvement Plan
- Land Condition
- Sustainable grazing

Land Condition Framework

A CONDITION



B CONDITION



C CONDITION



D CONDITION

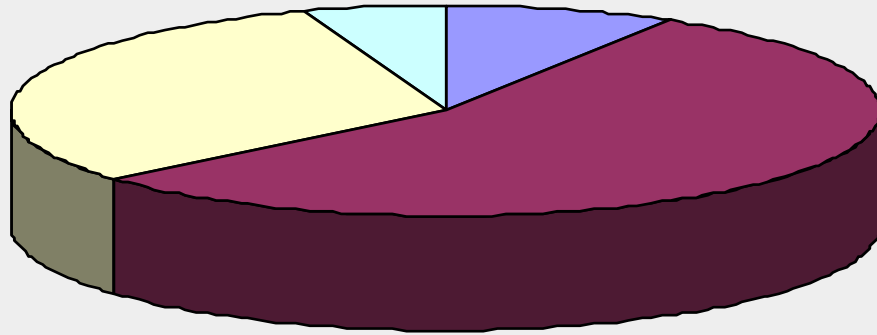


Survey Monkey

- Stakeholders
 - Land holders
 - Fitzroy Basin board members and sub-catchment extension officers
 - Grazing scientists
 - Policy development officers
 - Extension staff

Survey Monkey Results

Do you believe there is adequate information on the economics of grazing management for Central Queensland?



No, not at all

Limited information is available

There is adequate information to make sound decisions

There is plenty of economic information to support management decisions

Economic Analysis

- Determine the economic return of regenerating land from D condition to B condition
- Brigalow Blackbutt
 - Japanese Oxen. Gross margin \$176/AE
- Narrow-Leaved Ironbark Woodlands
 - 18 month old store steers. Gross Margin \$150/AE

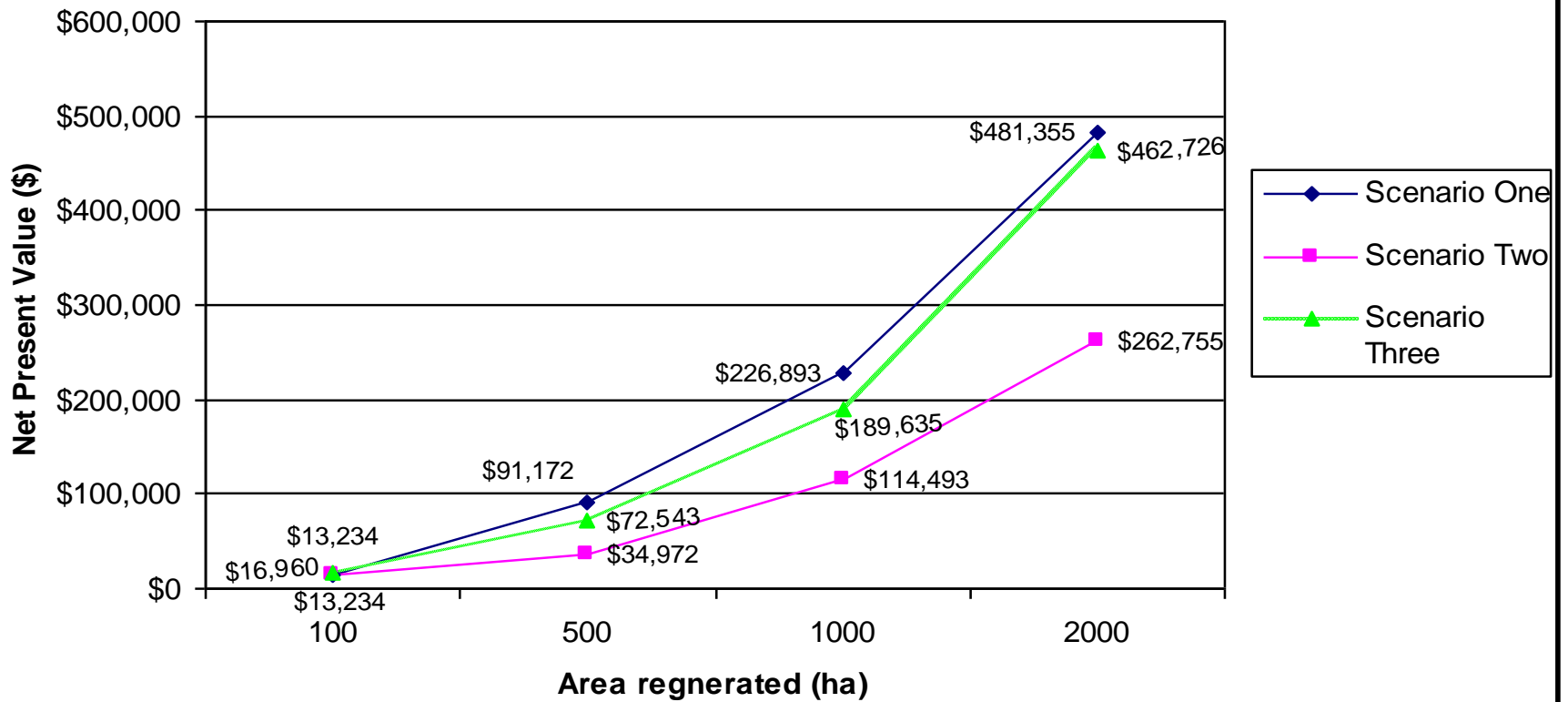
	Brigalow Blackbutt	Narrow-Leaved Ironbark Woodlands
Property Size (ha)	5,000	10,000
B Condition	1 AE/ 4.5 ha	1 AE/ 17.38 ha
D Condition	1 AE/ 10.73 ha	1 AE/ 36.5 ha

Scenarios

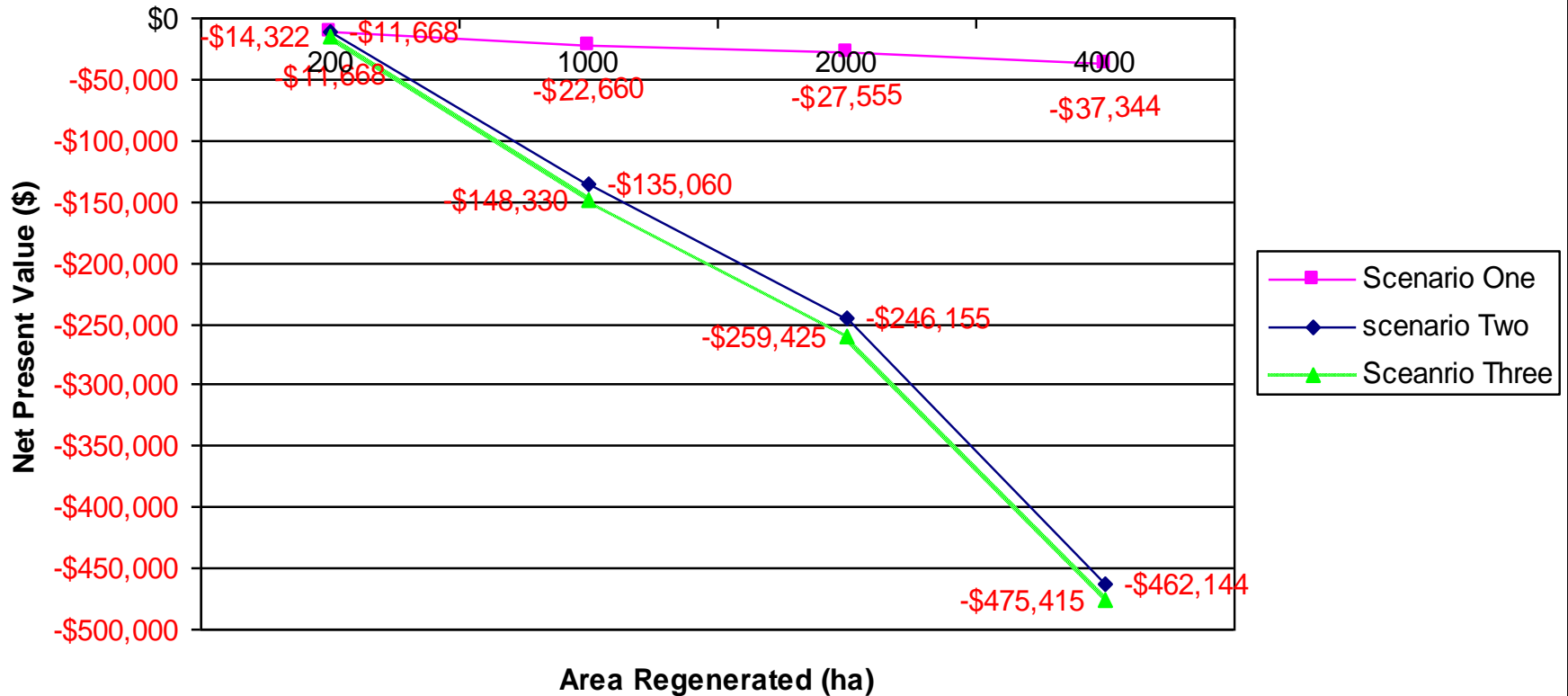
- Capital and Infrastructure
 - Ripping & Re seeding
 - Fencing
 - Watering points
 - Opportunity Cost
- Regeneration
 - Time period

Results

Net Present Value- Brigalow Blackbutt Regeneration from D condition to B condition



Net Present Value Narrow-Leaved Ironbark Woodlands regeneration from D condition to B condition



Conclusion

- As it is good investment for land holders in brigalow blackbutt and extension may offer a solution.
- Narrow-leaved ironbark country creates financial challenges for the land holder to regenerate and this is a land type where incentive funds would be most efficiently targeted.