

Del Park Seed Trial on Bauxite Mined Area

- 1 14/11/73 *E.globulus* 1 year old on ripped site
- 2 14/11/73 Syd Shea looking at gully caused by water erosion
- 3 14/11/73 Clumps of *Acacia extensa* (direct seeded)
- 4 14/11/73 Clumps of *A.extensa* direct seeded in gully (see matchbox)
- 5 14/11/73 Clumps of *A.extensa* direct seeded in gully (see matchbox)
- 6 14/11/73 *Mirbelia dilatata* seedlings. Direct seeded (see matchbox)
- 7 14/11/73 *Acrolinum* seedlings in flower growing round *E.globulus*. 1 year old tree. Fertilizer has increased plant girth

1-12 5-6-74 Hydroseeding at Del Park

SECTION A

Sheet 3

Del Park Bauxite Mining

7-6-74 Sheet 3 1-12 + Sheet 4 1-2

A series of photos taken at fixed points to show erosion before and after overburden has been returned.

Sheet 4

- 1-2 as above (Sheet 3)
- 3-4 24-5-74 Bauxite mined area showing some ripping ready for planting
- 5 24-5-74 Bauxite mined area ripped ready for planting looking towards Sth. Dandalup Dam
- 6 24-5-74 Bauxite mined area showing heaps of overburden before leveling; also bauxite roads

Young Block Banksia Eradication Trial

- 1 16/4/73 Shows Banksia and Jarrah after bulldozing all except good pole trees
- 2 16/4/73 As above
- 3
- 4
- 5
- 6
- 7 3/12/73 Spring Hot burn. During burning
- 8 As above
- 9 As above
- 10 As above

Dieback

- 1 22/7/73 Large tree crowns badly infected with dieback. Scarp Rd.
2. 22/7/73 Dieback on road edge starting to infect *B.grandis*. Helio Rd.
- 3 22/7/73 *B.grandis* dying from dieback. Leaves turning brown. Helio Rd.
- 4 22/7/73 *X.priessii* dying from dieback. Turning brown. Helio Rd.
- 5 30/7/73 *B.grandis* dying from dieback. Duncans Rd.
- 6 22/7/73 *Zamia* & *X.gracilis* dying from dieback. Foliage turning yellow.
- 7 15/12/74 Dieback area. Stawell Rd. Park Block.
- 8 22/7/73 *B.grandis* dying from dieback. Leaves turning brown. Duncans Rd.
- 9 22/7/73 *B.grandis* dying from dieback at road edges. Good jarrah pole stand in background. Duncans Rd.
- 10 14/10/73 Dieback in jarrah area. All jarrah dead also most understory species. Stawell Rd.
- 11 14/10/73 Dieback in jarrah area. All jarrah dead. Isolated Marri in background. Shows stump of jarrah where firewood cutters have been. Stawell Rd.
- 12 14/10/73 Jarrah killed by dieback. Shows skeleton of tree. Stawell Rd.

- 1 15/10/74 *Bossiaea aquifolia* stand. Holyoake.
- 2 15/10/74 *Bossiaea aquifolia* stand. Holyoake.
- 3 15/10/74 *Bossiaea aquifolia* stand with jarrah in background. Holyoake.
- 4 8/8/74 Pot trial. *Acacia pulchella*. Fertilized-Unfertilized. 4 pots.
- 5 8/8/74 Pot trial. *Acacia extensa*. Fertilized-Unfertilized. 4 pots.
- 6 8/8/74 Pot trial. *Acacia extensa*. Fertilized-Unfertilized. 1 pot.
- 7 8/8/74 Pot trial. *Acacia myrtifolia*. Fertilized-Unfertilized. 4 pots.
- 8 8/8/74 Pot trial. *Bossiaea aquifolia*. Fertilized-Unfertilized. 1 pot.
- 9 8/8/74 Pot trial. *Bossiaea aquifolia*. Fertilized-Unfertilized. 4 pots.
- 10 15/12/74 Dieback. Stawell Rd. Park Block.
- 11 15/12/74 Roadside dieback. Stawell Rd. Park Block.
- 12 15/12/74 Stawell Rd. with Jarrah dieback at edges.

Dryandra State Forest

- 1 24/4/73 Euc. astringens (Brown mallet) natural plantation at roadside.
- 2 24/4/73 Euc. accedens (Powder Bark Wandoo).
- 3 24/4/73 Euc. accedens (Powder Bark Wandoo). Park-like area.
- 4 24/4/73 Euc. accedens (Powder Bark Wandoo). Growing on roadside in the forest.
- 5 24/4/73 68 mile survey post on the York-Williams Rd. *Acacia acuminata* wood (Jam).
- 6 24/4/73 Stone with plaque next to 68 mile peg.
- 7 24/4/73 Shows 68 mile peg and plaque together.

SECTION E

Fauna Trapping and Habitat

- 1 Quokka trap baited with apples. Holyoake
- 2 Box or Cat trap
- 3 Elliot trap
- 4 Box trap and Elliot trap together
- 5 Quokka in trap
- 6 Quokka held ready for ear-tagging
- 7 Quokka held; ear-tag being placed on ear
- 8 Quokka held; ear-tag being clamped on ear with pliers
- 9 Quokkas ear (close-up) showing ear-tag in place
- 10 Quokka swamp: showing dead scrub after burning. New growth has returned. White Rd.
- 11 Quokka swamp: showing thick scrub unburnt
- 12 Quokka swamp: showing burnt dead scrub and new growth at swamp edge. White Rd.

SECTION F

Recreation

- 1 12-4-73 Westralia Block Sign: also shows Scenic Drive, Collie
- 2 12-4-73 Gervasse Block Sign: also shows picnic seat in background. Collie
- 3 12-4-73 Lennard Drive Sign. Collie

Jarrahdale Root Excavation Trial. Expt. 155

- 1 20-2-74 Microcorys: SW corner; showing tap roots
- 2 20-2-74 Microcorys: SW corner; showing three tap roots
- 3 20-2-74 Microcorys: NE corner; showing lateral formation of roots
- 4 20-2-74 Microcorys: NE corner; showing overburden washed from around and below root system. No tap roots
- 5 20-2-74 Microcorys: No 2; showing extensive root system from above
- 6 20-2-74 Microcorys: No 3; showing profile of root system. ~~Cut under overburden layer shows no taproot~~ ^{One taproot penetrating Kadomite layer.}
- 7-8-9 As No. 6
- 10 20-2-74 Resinifera: Tree 3; showing profile of root system
- 11 20-2-74 Resinifera: Tree 2; showing root system from above
- 12 20-2-74 Resinifera: Tree 1; showing profile of root system

- 1 20-2-73 Resinifera: Tree 3; showing root profile
- 2 20-2-73 Resinifera: Tree 2; showing root system profile
- 3 20-2-73 Resinifera: Tree 1; showing profile of root system
- 4 20-2-73 Maculata: Tree 1; shows profile of root system from low angle (No peg)
- 5 20-2-73 Maculata: Tree 1; shows profile of root system from low angle
- 6-7 20-2-73 Microcorys: SW corner showing profile and lateral system of roots from high angle
- 8 20-2-73 Microcorys: SW corner showing lateral roots on tap root (right hand tap root)
- 9 20-2-73 Microcorys: Tree 3; showing lateral root system from above
- 10 20-2-73 Microcorys: Tree 1; showing lateral root system from high angle
- 11-12 20-2-73 Microcorys: Tree 1; showing profile of tap root

1-2 20-2-74 *Microcorys*: Tree 3; showing washed away bauxite material (too high silicone content to be mined) from beneath tree. No tap roots

3 20-2-74 *Microcorys*: Tree 2; showing thick tap root from below

4 20-2-74 *Microcorys*: Tree 3; showing lateral root system from above

5 20-2-74 *Microcorys*: Tree 1; showing lateral root system from above

7-8 20-2-74 *Resinifera*: Tree 3; showing profile of root system No. 7 with measuring stick No. 8 without stick

9 20-2-74 *Microcorys*: Tree M3; showing an extensive root system grown in overburden layer. No tap root

10 7-2-74 *Microcorys*: Tree 3; showing profile from high angle

11 7-2-74 *Microcorys*: Tree 3; showing horizontal root system. Pit 1

12 27-3-74 *Microcorys*: SW corner showing three tap roots

SECTION G

Sheet 4

1 27-3-74 *Microcorys*: Tree 3. Pit 1. Showing small tap root attached to extensive root system growing in overburden

2 27-3-74 Pine: Tree 3. Showing *P.pinaster* root system formed in overburden only

3 27-3-74 *Resinifera*: Tree 3. Showing extensive root system in overburden. Roots have become lateral on reaching the hard kaolinite layer

4 27-3-74 *Resinifera*: Tree 1. Showing extensive root system in overburden layer

5 28-3-74 *Saligna*: Tree 1. Showing extensive root system in overburden. Roots have turned laterally on reaching kaolinite layer

6 28-3-74 *Saligna*: Tree 2. Showing extensive root system in overburden approx. 50 cm deep

7 28-3-74 *Saligna*: Tree 3. Showing extensive root system in overburden approx. 60 cm deep

8 28-3-74 Maculata: Trees 2 & 3 showing lateral roots below overburden on kaolinite surface layer; also tap root on Tree 3 penetrating kaolinite

9 28-3-74 Maculata: Tree 2. Showing lateral roots below overburden on kaolinite surface layer

10 28-3-74 Maculata: Tree 1. Showing extensive root system in overburden layer; also tap roots penetrating kaolinite layer

11 28-3-74 Maculata: Tree 3. Showing lateral roots in overburden; also tap root

12 28-3-74 *Microcorys*: Tree M3. Showing extensive root system in overburden

- 1 28-3-74 Maculata: Showing dormant lignotuber stage
- 2 28-3-74 Microcorys: Tree 2. Showing extensive root system in overburden with large lateral root formed on surface of kaolinite layer
- 3 28-3-74 Microcorys: Tree 3. Showing extensive root system in overburden; viewed from high angle
- 4 28-3-74 E.microcorys: Jarrahdale minesite. Shows E.microcorys root following old jarrah fissure
- 5 28-3-74 Ore train: Jarrahdale No. 2 minesite. Shows loaded carriages leaving for Kwinana
- 6 As above
- 7 28-3-74 E.microcorys: Tree B No. 2 Pit. Jarrahdale. Shows sampling positions of root system
- 8 As above. Shows tree above ground level
- 9 17-9-73. Pine. Cul-de-sac ripped area
- 10 17-9-73 Pine. As above
- 11 17-9-73 Jarrahdale minesite. Small dam constructed to prevent erosion on Euc. area
- 12 17-9-73 Jarrahdale minesite. Below Photo No. 11 showing gullying

- 1 17-9-73 Jarrahdale minesite. Erosion in Eucalypt plots showing gully into clay layer
- 2 17-9-73 Jarrahdale minesite. Water catch pit at the bottom of slope to catch runoff
- 3 17-9-73 Jarrahdale minesite. Badly eroded gully in white clay. Below pine planted area
- 4 17-9-73 As above showing water in gully

1-2 25-2-74 Members who attended the Civil
Defence Course at the Forestry School
Dwellingup.

1

2

3

4

BLANK

Jarrahdale Minesite
13-2-75A series of silt traps
constructed to filter
water flowing from
bauxite pit and major
road.Jarrahdale Minesite
13-2-75Hydromulching on steep
bank to stop erosion.Jarrahdale Minesite
13-2-75Dieback on roadside
near bauxite area.

FILE

1

BLANK

2

Jarrahdale Minesite
13-2-75Euc. globulus ferti-
lizer trials.
Control: Left
Treatment: Right

6

Jarrahdale Minesite
13-2-75
Close-up of above
photo.

7

Jarrahdale Minesite
13-2-75
Hydromulching on steep
bank to stop erosion.

8

Jarrahdale Minesite
13-2-75

9

10

Jarrahdale Minesite
13-2-75Silt trap constructed
to filter water flow-
ing from bauxite pit
and major road.

11

Jarrahdale Minesite
13-2-75Hydromulching on steep
bank to stop erosion.

12

Jarrahdale Minesite
13-2-75

Concrete spillway.

1

Jarrahdale Minesite
13-2-75
Natural regrowth of
native species among
Euc. globulus.

2

Jarrahdale Minesite
13-2-75
Kennedya coccinea on
Euc. microcorys and
covering ground sur-
face.

3

Jarrahdale Minesite
13-2-75
Silt deposited from
runoff into catch
pit.

4

Jarrahdale Minesite
13-2-75
Silt deposited from
runoff into catch
pit. Also shows
erosional channels
on upper slope.

Film

2

5

Jarrahdale Minesite
13-2-75
Natural regrowth of
native species among
Euc. globulus.

6

Jarrahdale Minesite
13-2-75
Kennedya prostrata
near E. microcorys.

7

Jarrahdale Minesite
13-2-75
Silt deposited from
runoff into catch
pit.

8

Jarrahdale Minesite
13-2-75
Roadside dieback
caused by runoff
from water and mud
from road.

9

Jarrahdale Minesite
13-2-75
Natural regrowth of
native species among
Euc. globulus.

10

Jarrahdale Minesite
13-2-75
Kennedya prostrata
near Euc. microcorys.

11

Jarrahdale Minesite
13-2-75
Silt deposited from
runoff into catch
pit.

12

Jarrahdale Minesite
13-2-75
Roadside dieback
caused by runoff
from water and mud
from road.

1

Del Park Minesite
17-2-75

Acacia pulchella
regeneration among 2 yr.
old *Euc. globulus*.

2

Del Park Minesite
17-2-75

Albizzia with clover
showing sparse growth.

3

Del Park Minesite
17-2-75

2 yr. old Eucalypts
growing on mined area.

4

Del Park Minesite
17-2-75

Albizzia without
clover on left:
with clover on right.

5

Del Park Minesite
17-2-75

Ditch to catch minesite
runoff in planted area.

6

As above without
height stick.

7

Del Park Minesite
17-2-75

As above

8

Del Park Minesite
17-2-75

Daviesia cordata &
Hakea sp. grown from
hand planted seed.

9

Del Park Minesite
17-2-75
Euc. resinifera
(planted). *Euc.*
marginata on left
hydroseeded. Excess-
ive growth of jarrah
due to fertilizer.

10

Del Park Minesite
17-2-75

Albizzia without
clover on left: with
clover on right.

11

As Above

12

Del Park Minesite
17-2-75

Hakea sp. grown from
hand planted seed.
Shows: Fertilized
right. Unfertilized
left.

1

17-2-75
Rye grass and clover
and mixed shrub and
evergreen species.
Plot 5
Block 2

2

Copy for report of
Del Park Minesite.

3

Results of *E.globulus*
fertilizer trial.
Jarrahdale

4

Blank

5

17-2-75
Bossiaea aquifolium
Plot 3
Block 2

6

Blank

7

As above

8

As photo 2

9

17-2-75
Rye grass and clover
Plot 2
Block 2

10

17-2-75
Del Park Minesite
2 yr. old mixed
Eucalypts on mined
area.

11

As photo 2

12

As photo 2

1

Del Park Minesite
17-2-75

Rye grass and clover
Plot 11
Block 2

2

Del Park Minesite
17-2-75

Jarrah, *M. dilatata*,
A. strigosa, *E. maculata*,
and *Calathamios*.
Hydroseeded area of
mixed species.

3

Del Park Minesite
17-2-75

Acacia myrtifolia
Plot 1
Block 2
With height stick

4

Del Park Minesite
17-2-75

Acacia strigosa
Plot 8
Block 2

5

17-2-75

Mixed species
Plot 10
Block 2

Del Park Minesite

6

17-2-75

Mirbelia dilatata.
Plot 4
Block 2

Del Park Minesite

7

17-2-75

Acacia myrtifolia.
Plot 1
Block 2
Without height stick.

Del Park Minesite

8

17-2-75

Woogenellup clover.
Plot 7
Block 2

Del Park Minesite

9

Del Park Minesite
17-2-75

Mixed species
Plot 9
Block 2

10

Del Park Minesite
17-2-75

Acacia extensa
Plot 12
Block 2

11

Del Park Minesite
17-2-75

New belt line and
access road.

12

Del Park Minesite
17-2-75

Control
Plot 6
Block 2

1

Grimwade 22-11-74
Virgin jarrah
stand.

2

Grimwade 22-11-75
Jarrah crowns in
virgin stand.

3

Kirup 22-11-74
Pinus radiata

4

Boddington Rd. past
Murray Rd. 15-10-74
Jarrah pole stand.

5

Grimwade
22-11-74
Virgin jarrah
stand.

6

Grimwade
22-11-74
Virgin jarrah
stand.

7

Kirup
22-11-74
Plot information
board for above
photo.

8

Boddington Rd.:
past Murray Rd.
15-10-74
Advanced growth
among jarrah pole
stand.

9

10
Grimwade
22-11-74
Virgin jarrah
stand.

11

Grimwade
22-11-74
Virgin jarrah
stand.

12

Boddington Rd. past
Murray Rd.
15-10-74
Jarrah pole stand.

1 <i>Acacia pulchella</i> var. <i>Rt.</i>	2 <i>Acacia stigosa</i> Wrens Rd.	3 —	4 <i>Banksia grandis</i> Boddington Rd.	5 As above.	6 As above	7 —	8 As above.
9 As above.	10 As above.	11 —	12 Blank.				9 Film 8

1 <i>Acaria pulchella</i> Wrens Rd.	2 <i>Acaria strigosa</i> Wrens Rd.	3 <i>Banksia grandis</i> Boddington Rd.	4 <i>Banksia grandis</i> the Boddington Rd	Film 12
5 As above.	6 <i>Bossiaea aquifolium</i> Wrens Rd.	7 As above	8 As above.	
9 <i>Acaria strigosa</i> Rd.	10 As above.	11 As above	12 As above.	

1
Bankia grandis

Boddington Rd.

2

Blank.

3

Bankia grandis

Boddington Rd.

4

Aracia strigosa

Wrens Rd.

Feb
9

5

As above

6

Aracia pulchella
Boddington Rd.

7

As above.

8

As above

9

As above.

10

Bankia grandis
Boddington Rd.

11

As above.

12

As above.