

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 Acrolinium 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

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.

- 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 Kadonitz 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

- 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

BLANK

2

Jarrahdale Minesite  
13-2-75

A series of silt traps  
constructed to filter  
water flowing from  
bauxite pit and major  
road.

3

Jarrahdale Minesite  
13-2-75

Hydromulching on steep  
bank to stop erosion.

4

Jarrahdale Minesite  
13-2-75

Dieback on roadside  
near bauxite area.

Film

1

5

BLANK

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

Jarrahdale Minesite  
13-2-75

Euc. globulus ferti-  
lizer trials.  
Control: Left  
Treatment: Right

10

Jarrahdale Minesite  
13-2-75

Silt trap constructed  
to filter water flow-  
ing from bauxite pit  
and major road.

11

Jarrahdale Minesite  
13-2-75

Hydromulching 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.

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.

Film  
2



<p><u>1</u></p> <p>Del Park Minesite 17-2-75</p> <p>Acacia pulchella regeneration among 2 yr. old Euc.globulus.</p>	<p><u>2</u></p> <p>Del Park Minesite 17-2-75</p> <p>Albizzia with clover showing sparse growth.</p>	<p><u>3</u></p> <p>Del Park Minesite 17-2-75</p> <p>2 yr. old Eucalypts growing on mined area.</p>	<p><u>4</u></p> <p>Del Park Minesite 17-2-75</p> <p>Albizzia without clover on left: with clover on right.</p>
<p><u>5</u></p> <p>Del Park Minesite 17-2-75</p> <p>Ditch to catch minesite runoff in planted area.</p>	<p><u>6</u></p> <p>As above without height stick.</p>	<p><u>7</u></p> <p>Del Park Minesite 17-2-75</p> <p>As above</p>	<p><u>8</u></p> <p>Del Park Minesite 17-2-75</p> <p>Daviesia cordata &amp; Hakea sp. grown from hand planted seed.</p>
<p><u>9</u></p> <p>Del Park Minesite 17-2-75</p> <p>Euc.resinifera (planted). Euc. marginata on left hydroseeded. Excess- ive growth of jarrah due to fertilizer.</p>	<p><u>10</u></p> <p>Del Park Minesite 17-2-75</p> <p>Albizzia without clover on left: with clover on right.</p>	<p><u>11</u></p> <p>As Above</p>	<p><u>12</u></p> <p>Del Park Minesite 17-2-75</p> <p>Hakea sp. grown from hand planted seed. Shows: Fertilized right. Unfertilized left.</p>

<u>1</u> 17-2-75 Rye grass and clover and mixed shrub and evergreen species. Plot 5 Block 2	<u>2</u> Copy for report of Del Park Minesite.	<u>3</u> Results of E.globulus fertilizer trial. Jarrahdale	<u>4</u> Blank
<u>5</u> 17-2-75 Bossiaea aquifolium Plot 3 Block 2	<u>6</u> Blank	<u>7</u> As above	<u>8</u> As photo 2
<u>9</u> 17-2-75 Rye grass and clover Plot 2 Block 2	<u>10</u> 17-2-75 Del Park Minesite 2 yr. old mixed Eucalypts on mined area.	<u>11</u> As photo 2	<u>12</u> 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 *Calathamos*.  
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

Grimwade  
22-11-74  
Virgin jarrah  
stand.

10

Grimwade  
22-11-74

Virgin jarrah  
stand.

11

12

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

1  
*Acacia pulchella*  
Wrens Rd.

2  
*Acacia strigosa*  
Wrens Rd.

3  
—

4  
*Banksia grandis*  
Boddington Rd.

Film  
8

5  
As above.

6  
As above.

7  
—

8  
As above.

9  
As above.

10  
As above.

11  
—

12  
Blank.



Film 12

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



1  
*Banksia grandis*  
Boddington Rd.

2  
Blank.

3  
*Banksia grandis*  
Boddington Rd.

4  
*Acacia strigosa*  
Wrens Rd.

Film  
9

5  
As above

6  
*Acacia pulchella*  
Boddington Rd.

7  
As above.

8  
As above

9  
As above.

10  
*Banksia grandis*  
Boddington Rd.

11  
As above.

12  
As above.