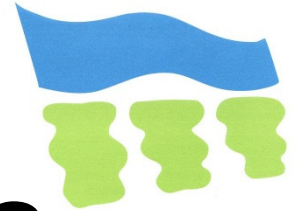
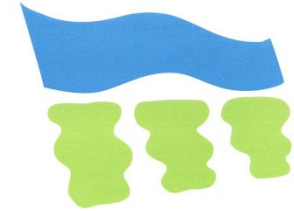

Options for Irrigation Systems Smaller Blocks



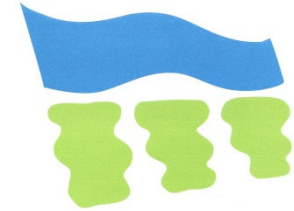
- Talk to irrigation service provider sooner rather than later
 - You can talk to more than irrigation service provider
 - Most offer similar product but some have slight variation which might just be right for you
 - Talk to your neighbours about their experiences
 - If you are unsure feel free to talk to us
-

ALIL Level of Service



- What will be provided at the boundary is
 - 40 m of pressure
 - An entitlement flow 1L/s for every 100 shares
 - The water is supplied 24/7
 - You will need equipment to apply the water 24/7
 - The design flow is 18% higher than the entitlement flow.
 - Allows the flow to exceed entitlement for a short time.
 - Provides for flexibility to move irrigators and have some down time.
 - Average flow not to exceed entitlement
-

What we will cover



- Intended to give a broad overview of what is out there
 - Service provider can provide more detail
 - We will cover
 - Centre Pivot
 - Linear Irrigator
 - Travelling Irrigators
 - K-Lines
 - Fixed Sprinklers
 - Micro Drip
-

Centre Pivot



Advantages	Disadvantages
Scheme pressure sufficient if well designed	Medium Cost, small blocks could have higher costs
Easy to operate and automate	Can't do odd shape field
Easy to vary application (change nozzles or smart)	Misses Corners, needs infill
Low maintenance	Requires specialist maintenance
Can adjust to various soils in a field	Doesn't take kindly to object in the way
Easier to comply with nutrient limits	Wind

Linear Irrigator



Advantages

Scheme pressure sufficient if well designed, key is drag hose size limit

Good for long rectangular fields

Not as easy to operate as centre pivot

Easier to comply with nutrient limits

Disadvantages

Capital cost higher than centre pivot

Can't do odd shape field

Requires specialist maintenance

Doesn't take kindly to object in the way

Wind

Travelling Irrigators

Rotating Boom



Advantages	Disadvantages
Low to medium cost	May need higher than scheme pressure to drag hose
Small and large units available	Needs to be moved regularly
Easy to change nozzles	Requires specialist maintenance
Can work odd shaped fields	Higher application rates than centre pivots
	Harder to comply with nutrient limits

Travelling Irrigators

Hose reel



Advantages

Low to medium cost

Small and large units available

Easy to change nozzles

Well suited to odd shaped fields

Disadvantages

Scheme pressure insufficient
Would need electric or diesel motor to boost pressure

Need to be moved regularly

Requires specialist maintenance

Higher application rates than centre pivots

K-line



Advantages

Low cost

Scheme pressure sufficient if well designed

Easy to maintain

Can handle odd shaped fields

Good for pasture

Disadvantages

Need to be moved regularly

Not so good for some crops

Solid Set Sprinklers



Advantages

Can be fully automated

Scheme pressure sufficient if well designed

Little labour

Can handle odd shaped fields

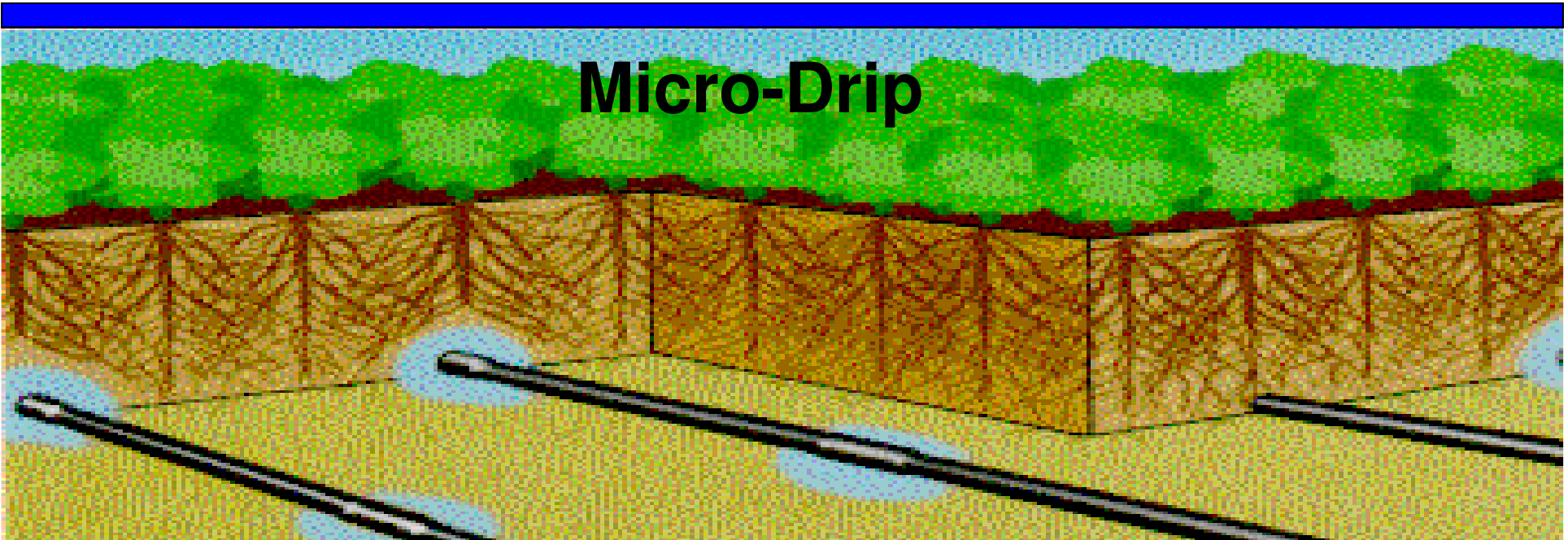
Easy to maintain

Disadvantages

High cost

Can be damaged by stock or machinery

Micro-Drip



Advantages

Can be fully automated

Scheme pressure sufficient if well designed

Little labour

Can handle odd shaped fields

Easy to maintain

Suits permanent crops like orchards

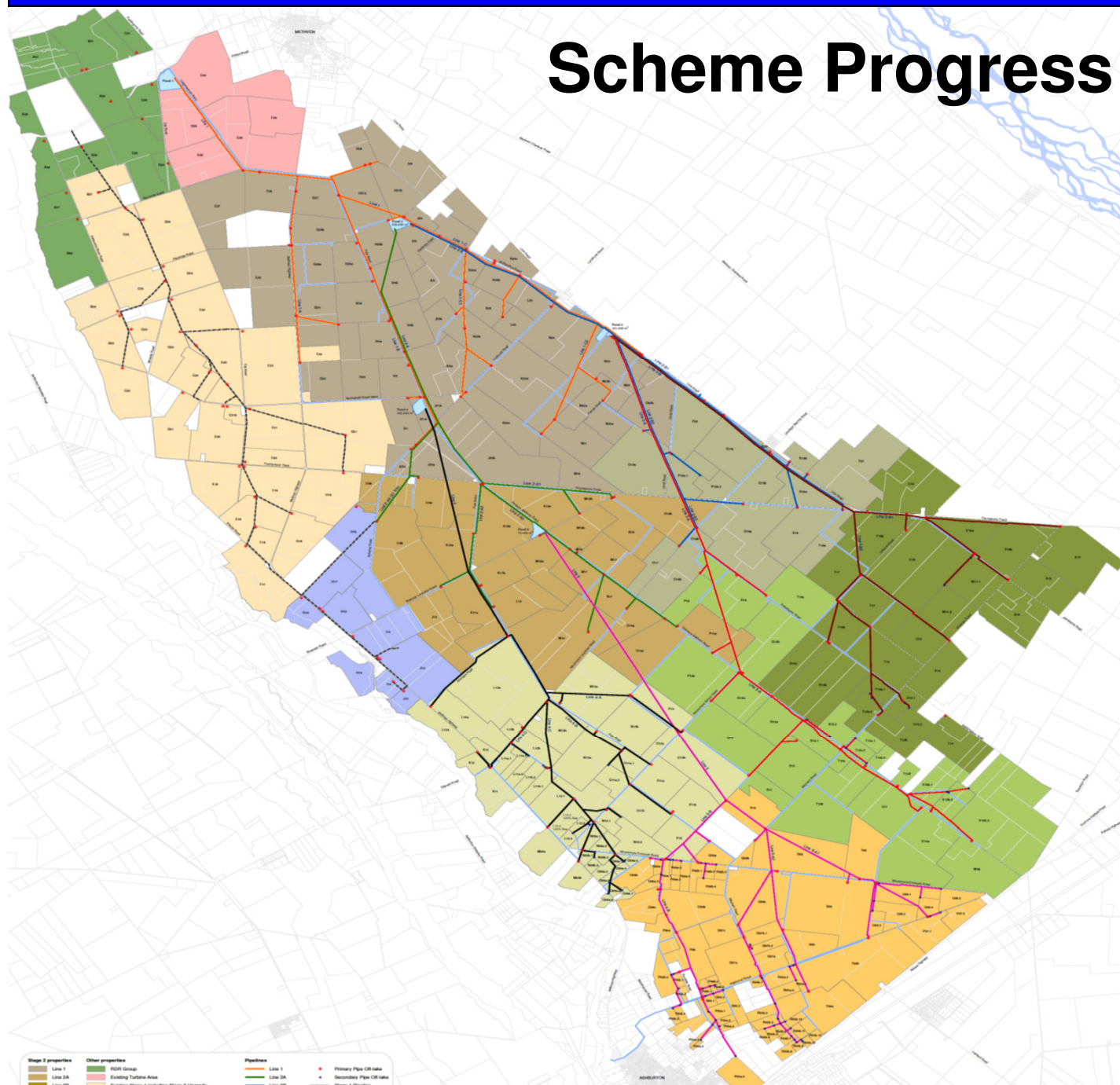
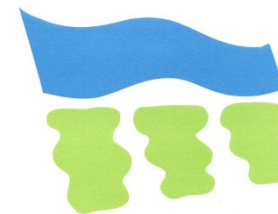
Disadvantages

High cost

Need appropriate soil type

Deep cultivation may damage

Scheme Progress



Stage 2 properties
Line 1
Line 2A
Line 2B

Other properties
RDR Group
Existing Turbine Area
Existing Stage 1 including Stage 2 Upgrade

Pipelines
Line 1
Line 2A
Line 2B

Primary Pipe Off take
Secondary Pipe Off take
Stage 1 Pipeline

Scheme Progress

