

## 1. State and Transition Models for Eglin Air Force Base – Key to symbols

Grass-shrub rangeland 5-7-9-0-0	5 = Topographic position 7 = Dominant cover 9 = Silvicultural history 0 = Fire history 0 = Stand age
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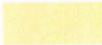
→ 100% chance of transition of fuelbeds assuming stated change in disturbance regime and stand age.

→ Same as above but transition to different page.

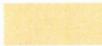
→ <100% chance of transition of fuelbeds assuming stated change in disturbance regime and stand age, multiple pathways present.

4-3-1-4-6

Used when transition cannot be completed with an arrow. Usually a fuelbed on another page.



Yellow. Frequent fire rotation (mFRI < 4 years)



Orange. Moderate fire rotation (mFRI 4-8 years)



Red. Infrequent fire rotation (mFRI 9-20 years)



Green. Non-burnable or fire exclusion (TSLF > 20 years)



Grey. Post-silvicultural treatment



Pink. Stand-replacing fire

~~Not in set-lut-all.csv  
or .xml~~

### Legend

- Blue fuelbed numbers indicate proxy fuelbed in Andrew's .xml fuelbeds being used for FOM input fuelbeds
- Proxy fuelbed being used, priority to replace. Proxy problematic
- Proxy fuelbed being used  
N/A Not a .xml fuelbed all values = 0 (i.e. water, urban)
- ✓ Fuelbed corresponds to fuelbed in Andrew's .xml fuelbed files

- + Corresponding fuelbed in set-lut-all.csv
- ✗ Error in STM document

- Black text indicates change to be made

Date 1 - December - 2017  
Author Jim Cronan

Purpose : Asses degree of synchronicity ~~between~~ between FOM input fuelbeds (set-lut-fuelbeds.csv), Andrew's .xml fuelbeds (will be used to generate ~~the~~ \$probability-of-ignition values in set-lut-all.csv through FCCS Benchmark ROS predictions), and STM document (FCCS-Fuelbeds-StateAndTransitionModels.pdf -- this printed document)

I checked all fuelbeds in this document against fuelbeds in set-lut-all.csv & Andrew's .xml files. See legend to left for codes. Results recorded in GitHub repo </FCCS-FirePotentialComparison/fuelbed-synchronicity.csv>. File undergoes info in file undergoing initial tests in ...

## 2. WET FLATLANDS – NATURAL VEGETATION

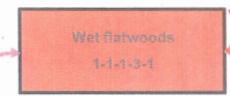
0-10



✓+



✓+



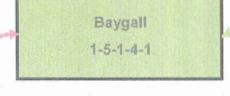
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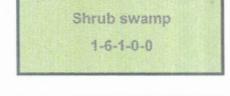
✓+



✓+

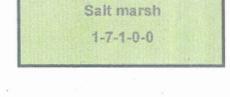


✓+



✓+

Change to 16141 in STM & .xml



✓+

Change to 17141 in STM & .xml

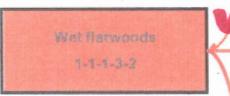
11-20



✓+



✓+



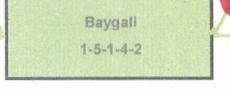
✓+



✓+



✓+



✓+

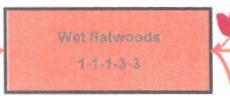
21-40



✓+



✓+



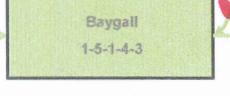
✓+



✓+

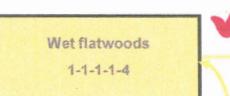


✓+

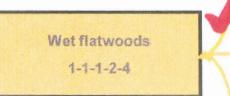


✓+

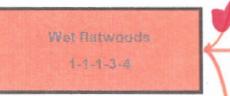
41-60



✓+



✓+



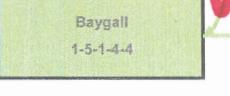
✓+



✓+



✓+

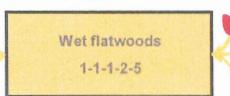


✓+

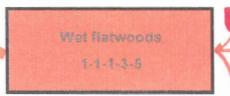
60-100



✓+



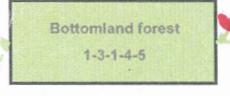
✓+



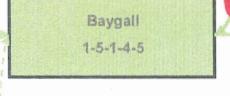
✓+



✓+



✓+

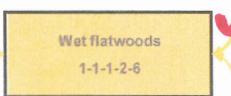


✓+

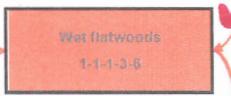
100+



✓+



✓+



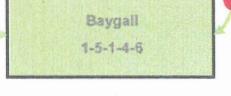
✓+



✓+



✓+



✓+

1-1-5-4-1



1-1-5-4-2



1-1-5-2-3

1-1-5-3-3

1-1-5-4-3



1-1-5-2-4

1-1-5-3-4

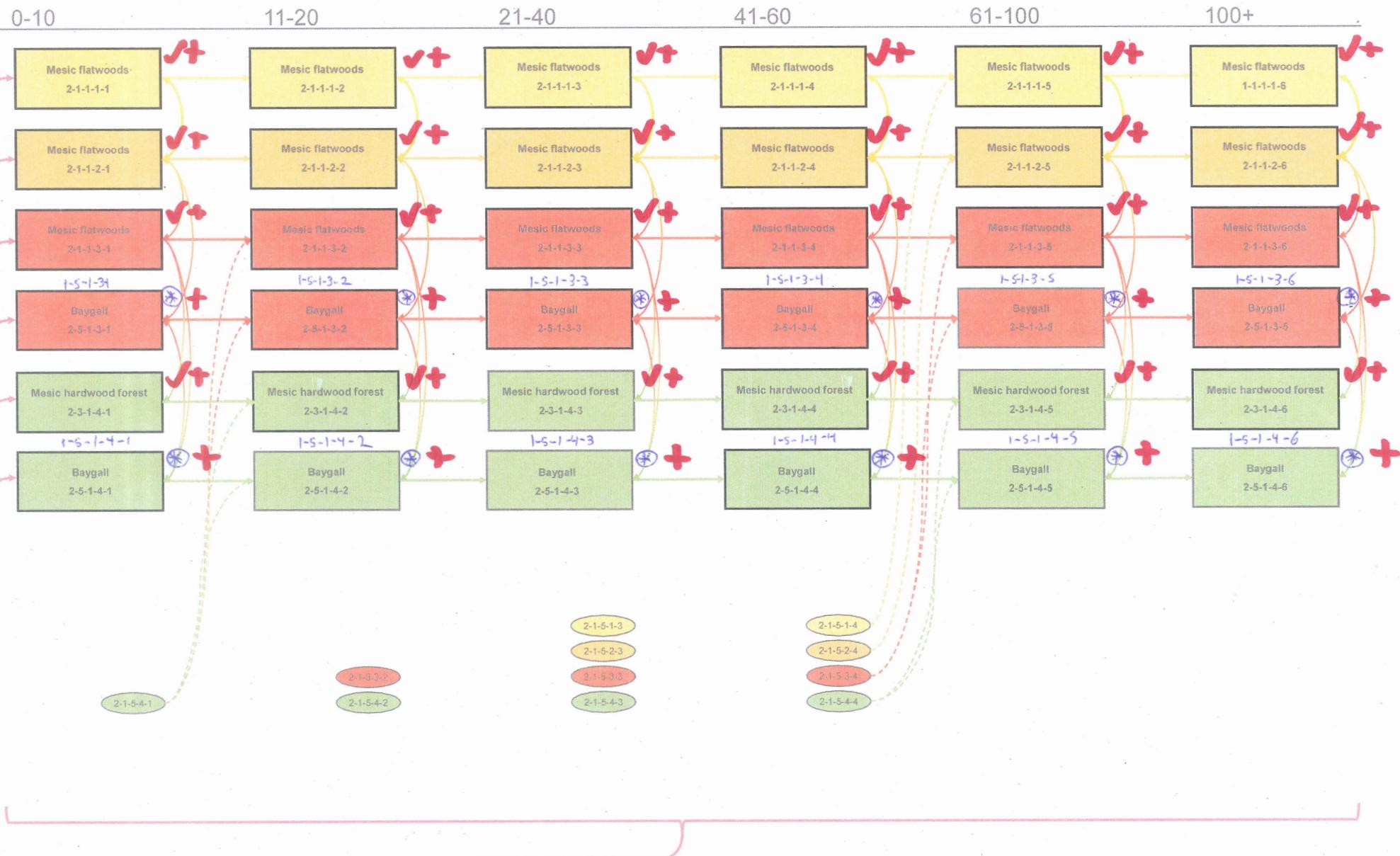
1-1-5-4-4

1-1-5-4-1

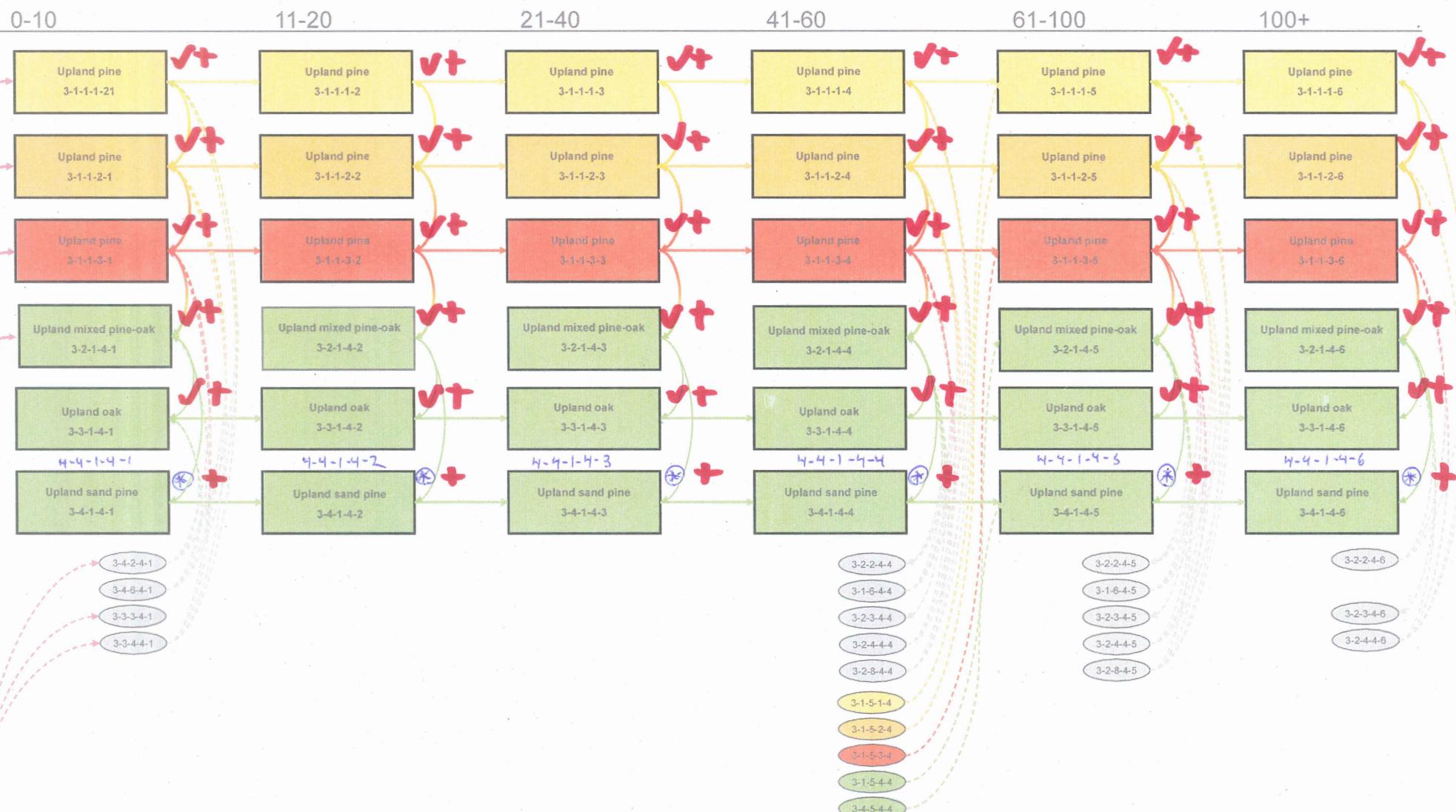
Change to 16141 in STM & .xml

Change to 17141 in STM & .xml

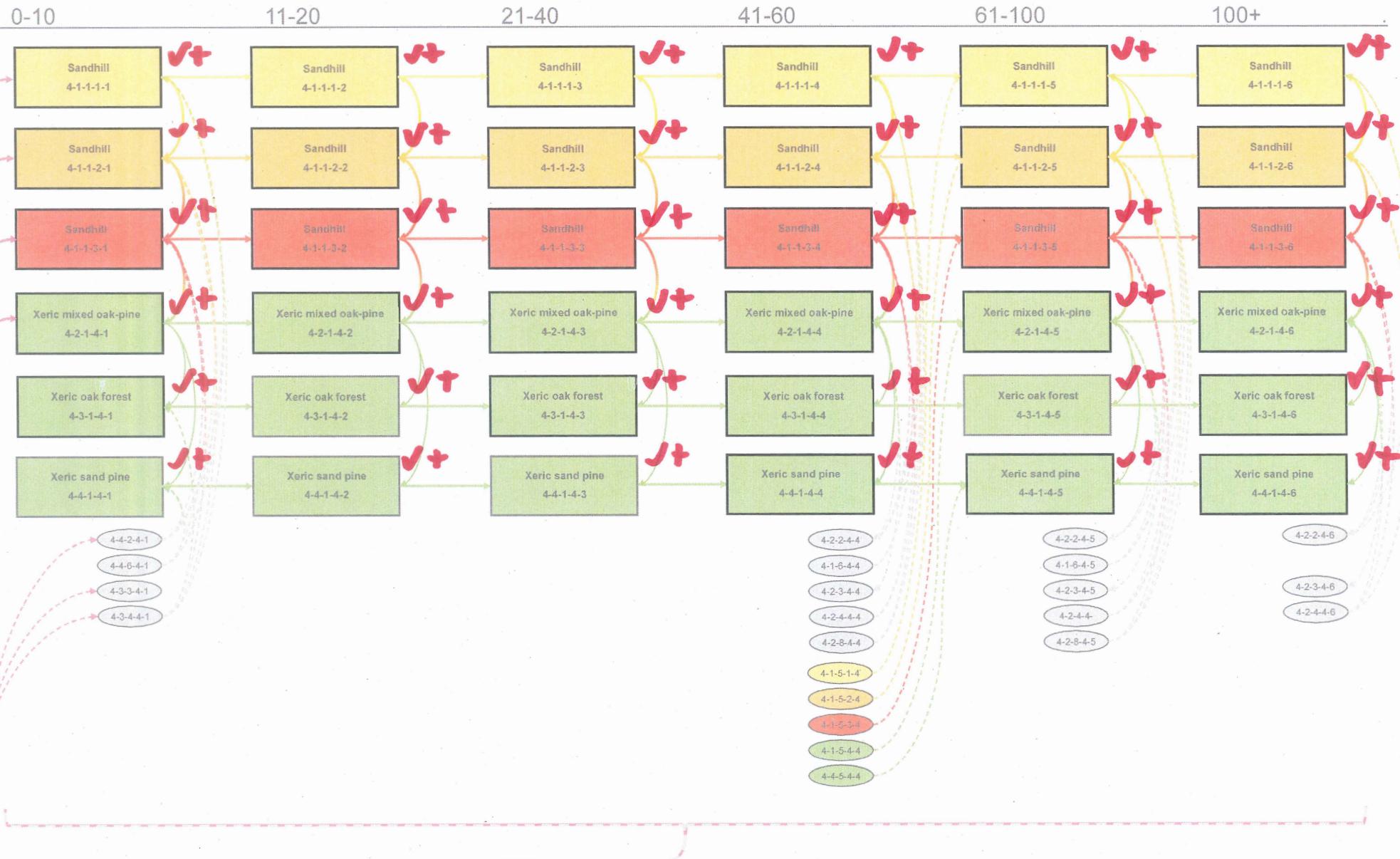
### 3. MESIC FLATLANDS – NATURAL VEGETATION



#### 4. MESIC UPLANDS – NATURAL VEGETATION



## 5. XERIC UPLANDS – NATURAL VEGETATION



## 6. MESIC UPLANDS - RESTORATION TREATMENTS

0-10

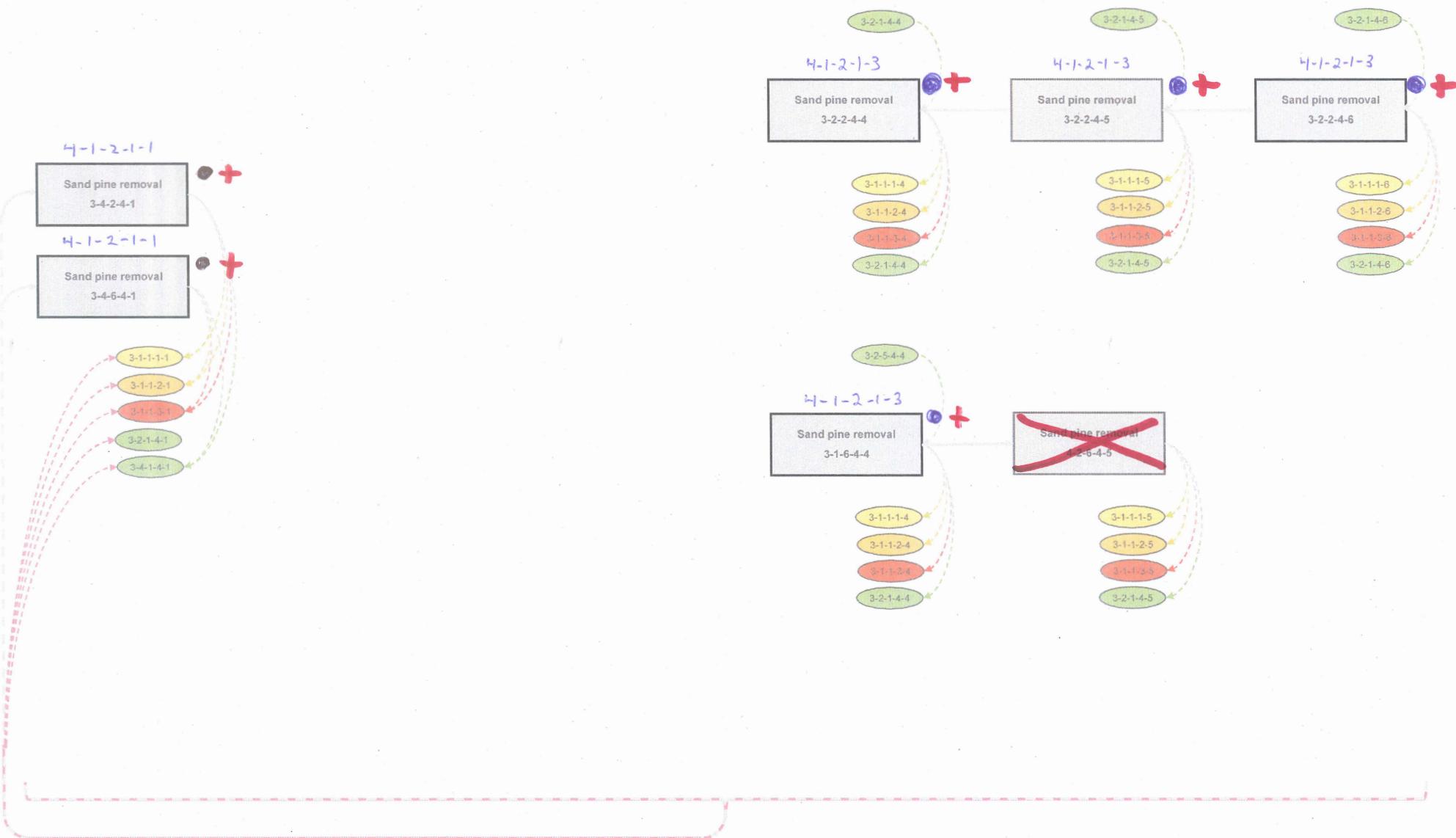
11-20

21-40

41-60

61-100

100+



## 7. MESIC UPLANDS - RESTORATION TREATMENTS

0-10

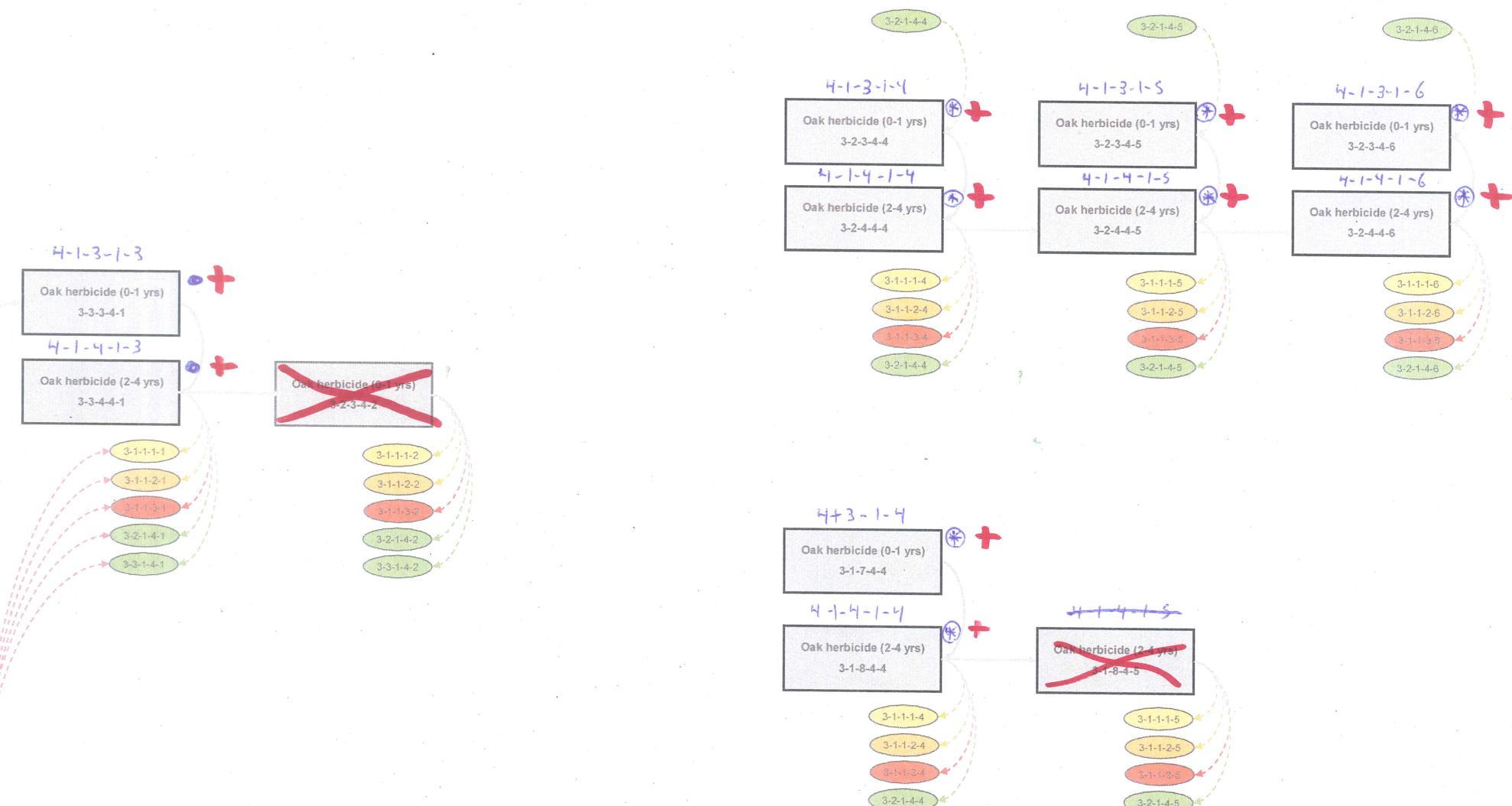
11-20

21-40

41-60

61-100

100+



## 8. XERIC UPLANDS - RESTORATION TREATMENTS

0-10

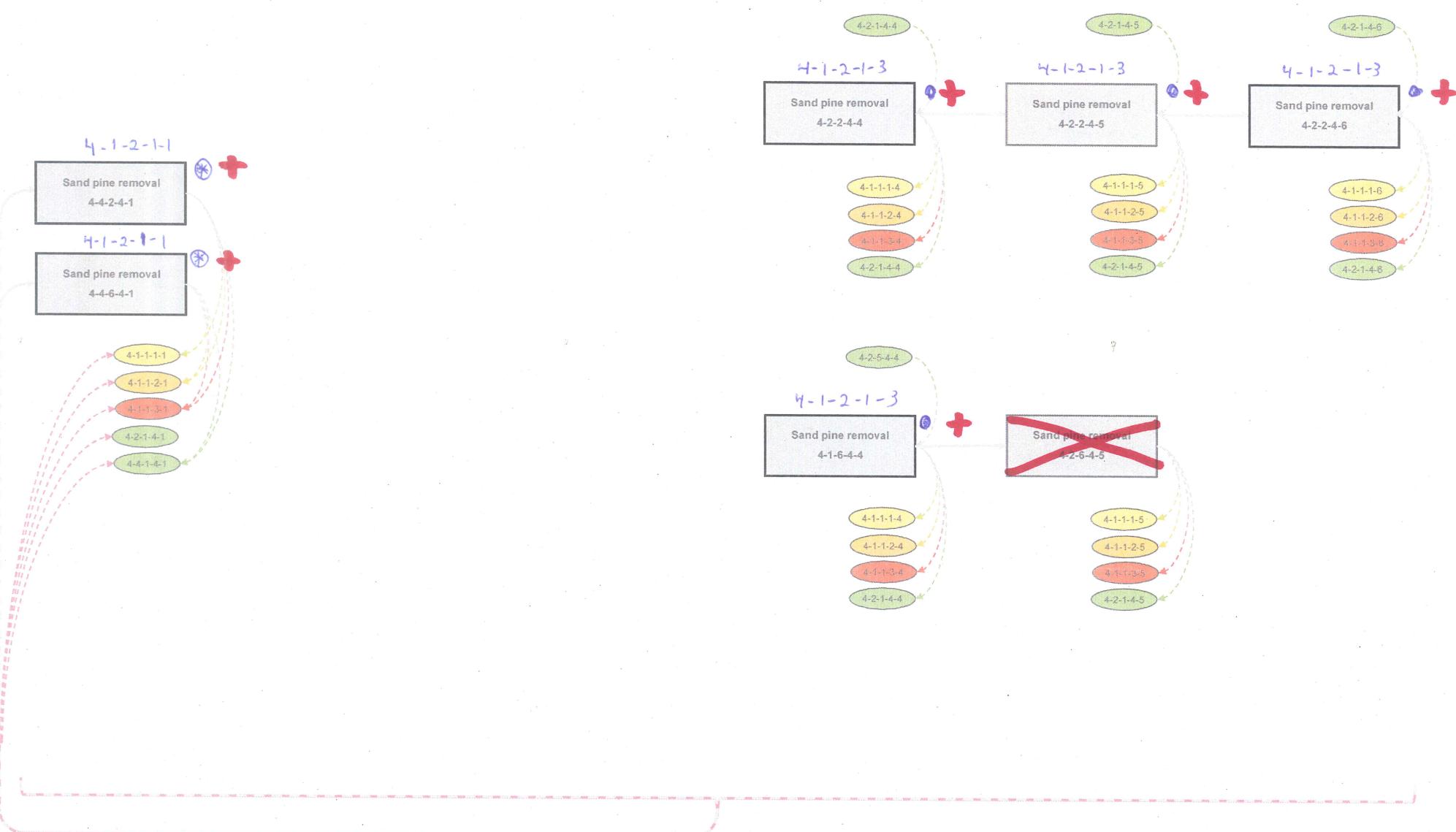
11-20

21-40

41-60

61-100

100+



## 9. XERIC UPLANDS - RESTORATION TREATMENTS

0-10

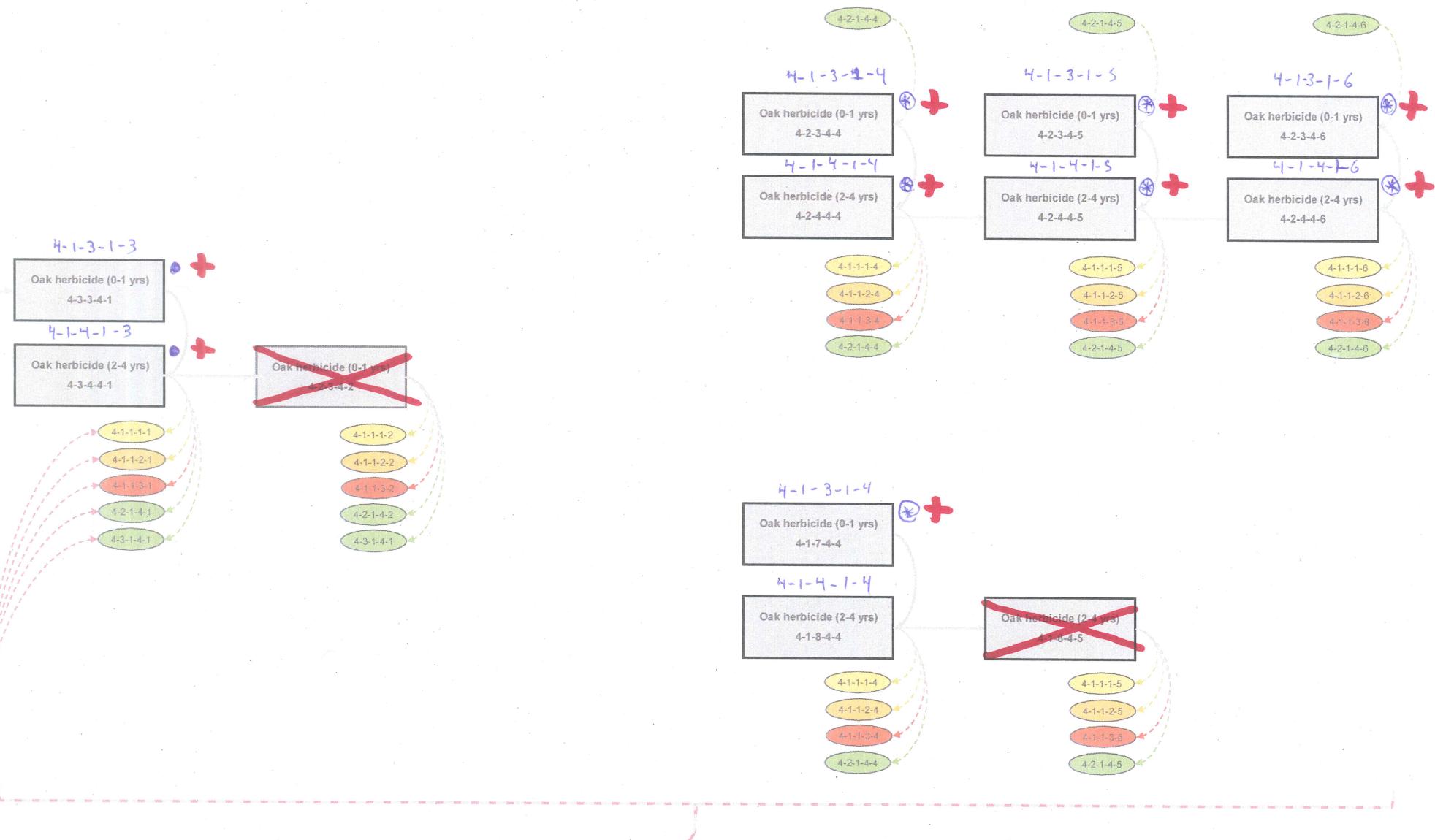
11-20

21-40

41-60

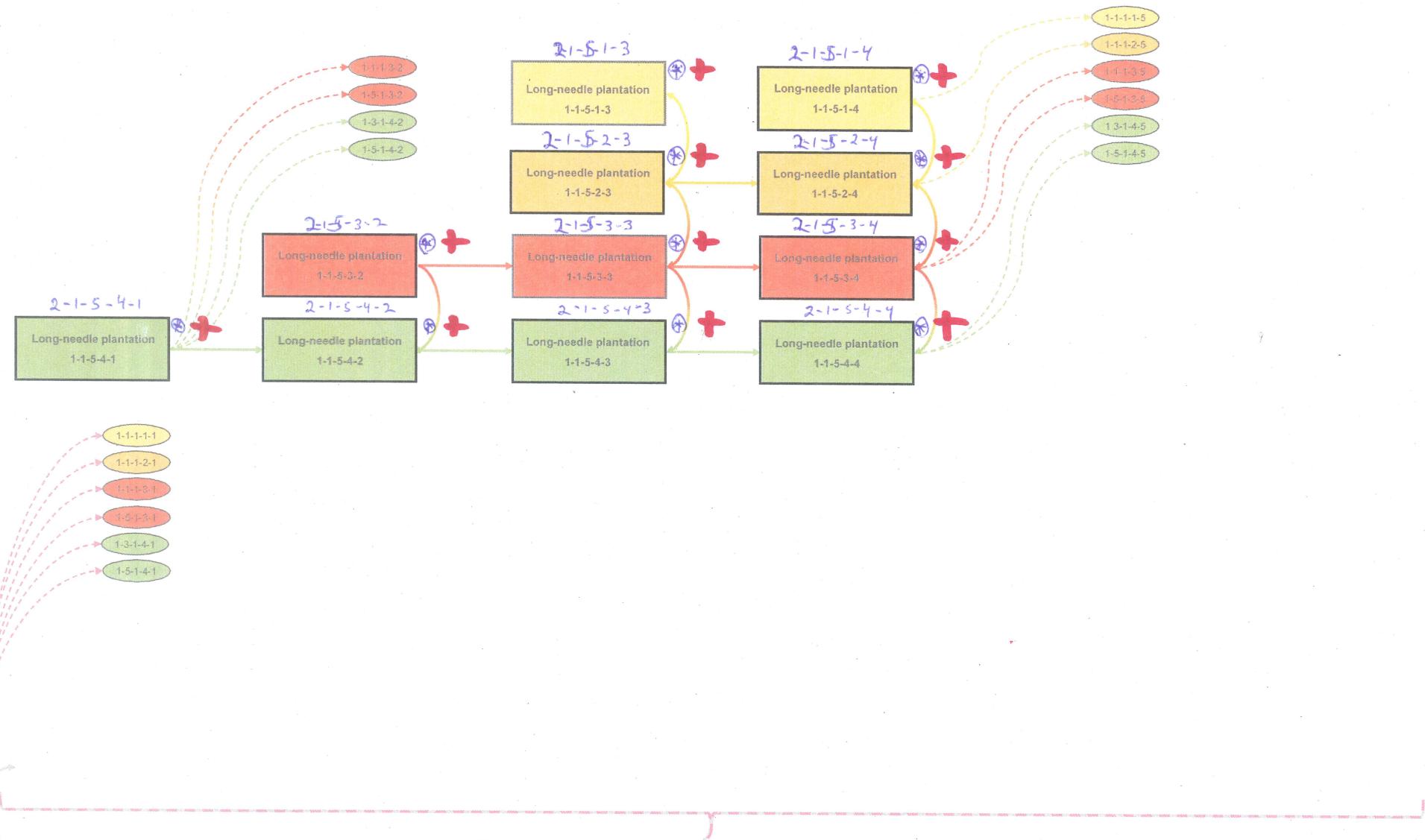
61-100

100+



## 10. WET FLATLANDS - MANAGED VEGETATION

0-10            11-20            21-40            41-60            61-100            100+



## 17. MESIC FLATLANDS - MANAGED VEGETATION

0-10

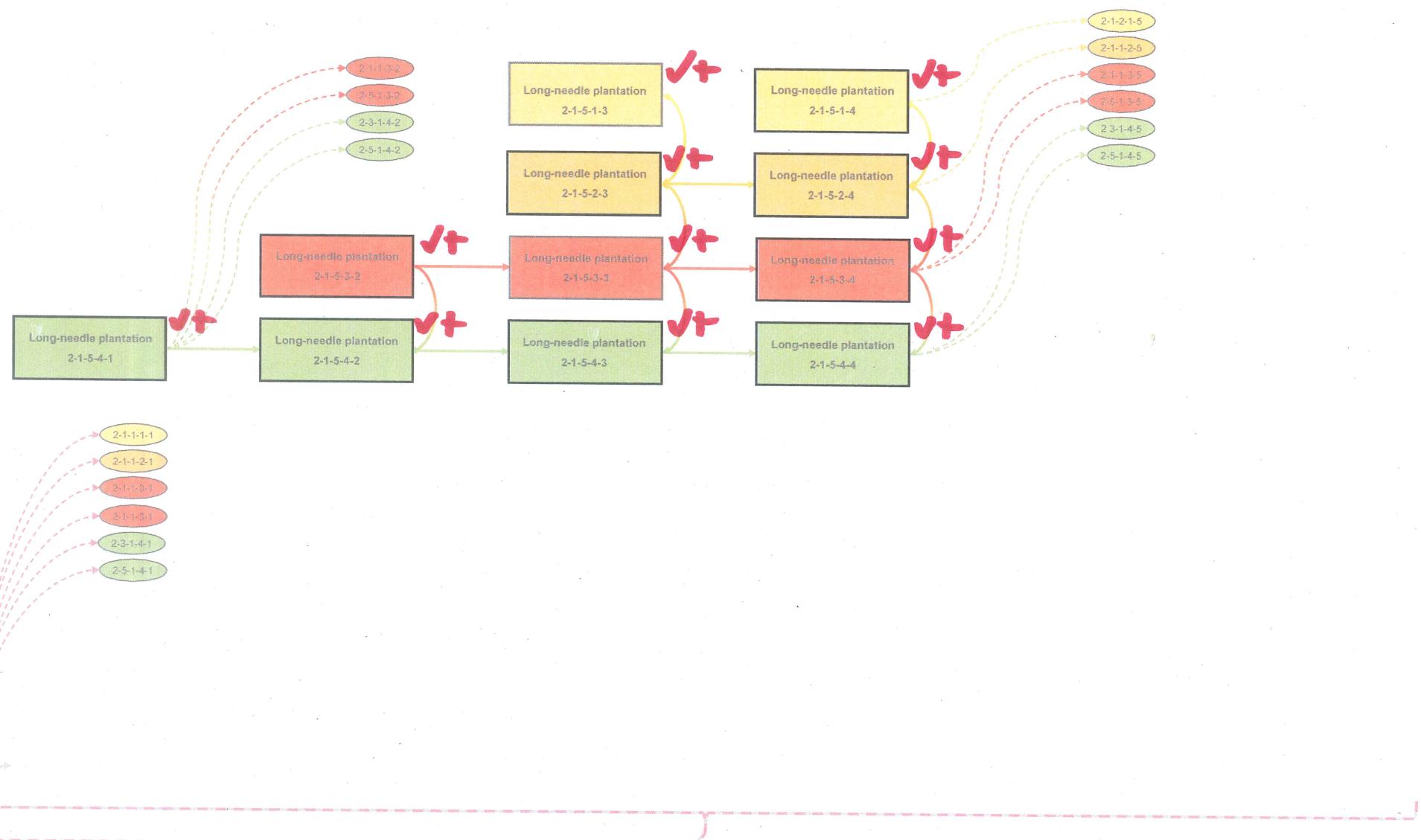
11-20

21-40

41-60

61-100

100+



## 12. MESIC UPLANDS - MANAGED VEGETATION

0-10

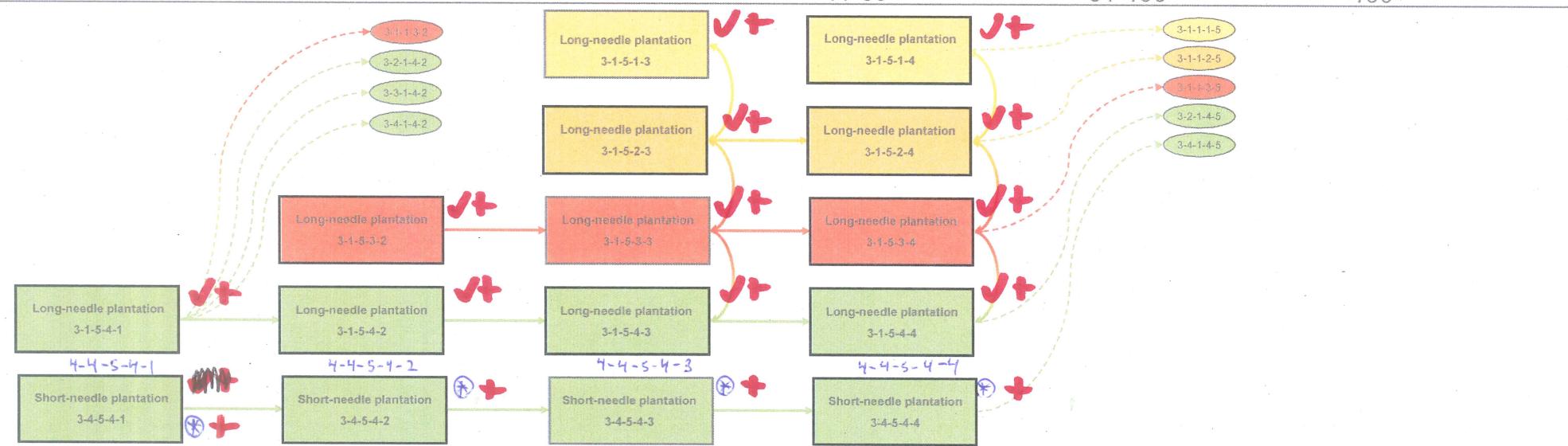
11-20

21-40

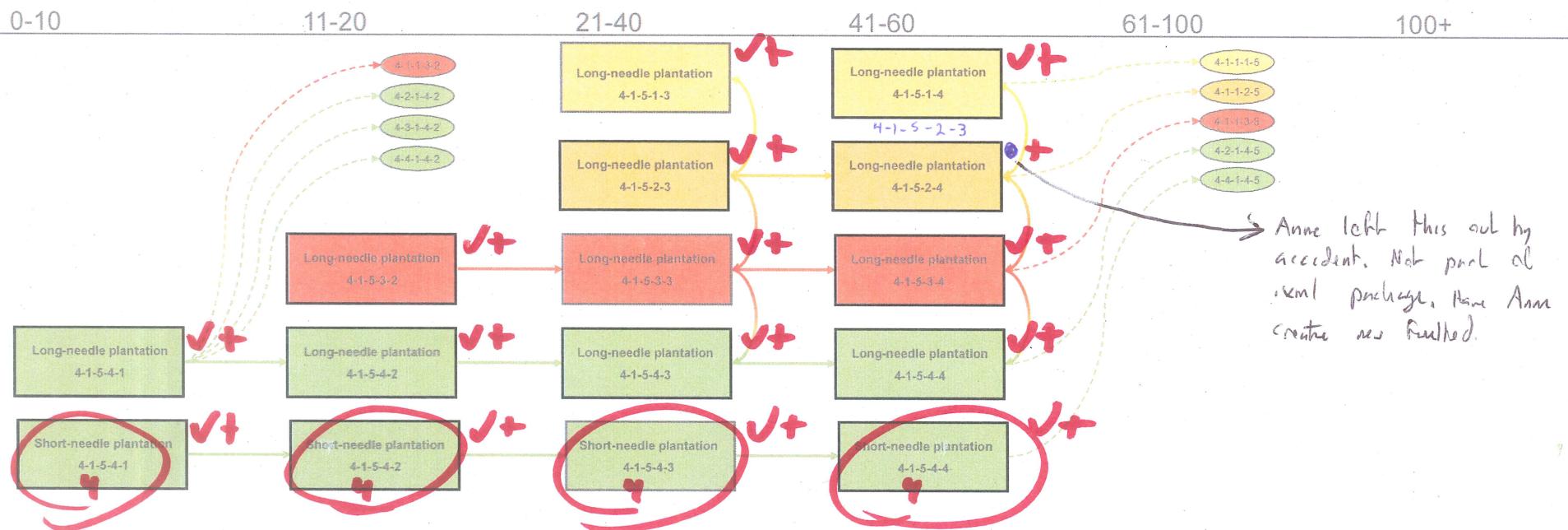
41-60

61-100

100+



### 13. XERIC UPLANDS - MANAGED VEGETATION



→ Anne left this out by accident. Not part of XML package. Name Anne creates new function.

## 14. RUDERAL - MANAGED VEGETATION/UNBURNABLE

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Range-land  
5-7-9-0-0

✓+

Add 16900 Developed wetland  
in self-lut-all.csv  
in .xml package.

Bare ground/developed  
5-9-9-0-0

N/A +

Water  
6-0-0-0-0

N/A +