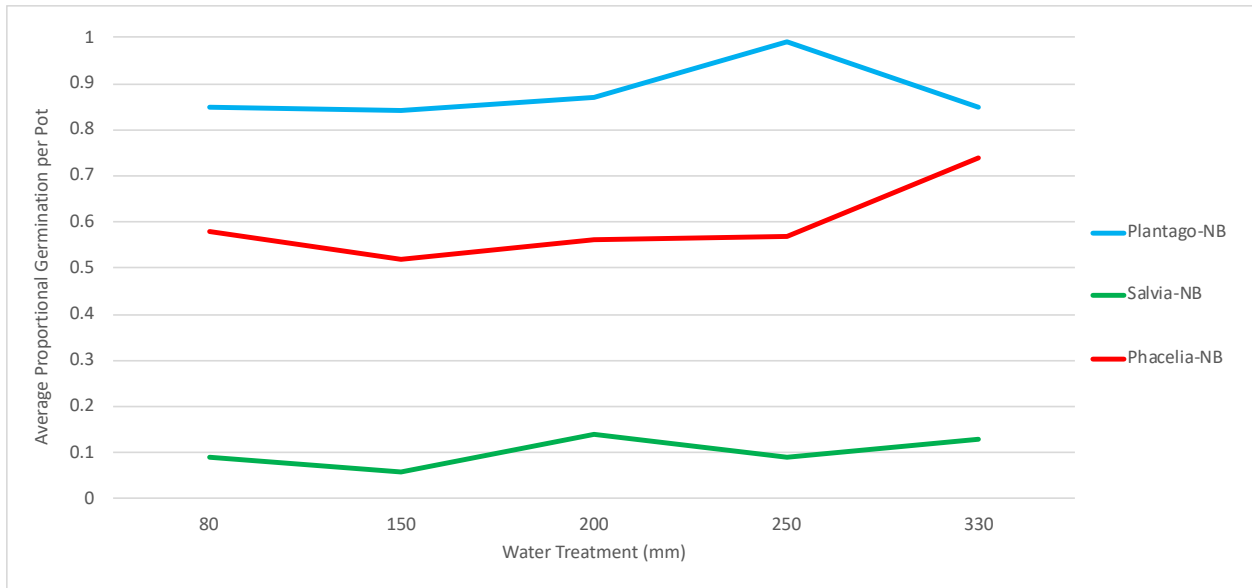**Figure 1)** Average soil moisture content across the five water treatments. The measurements were averaged across all 50 pots set at each of the five treatments.
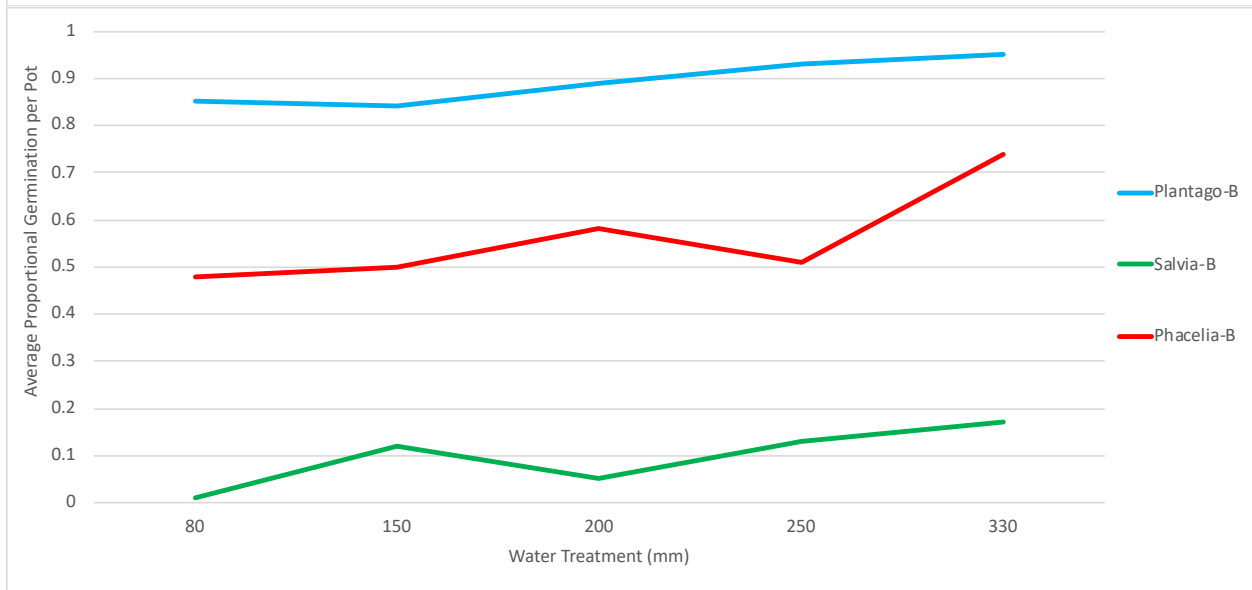
Figure 2) Average germination of each native species across the five water treatments A) when grown in the absence of brome and B) when grown in the presence of brome. Germination is represented as proportion of the 10 seeds planted in each pot, that germinated.
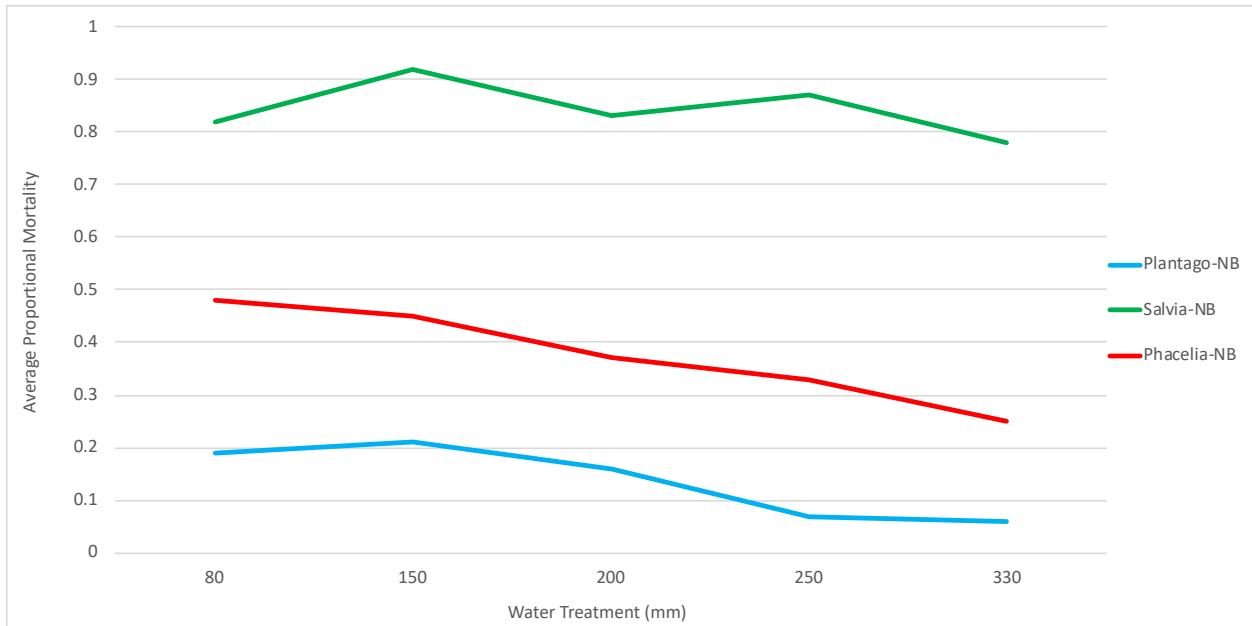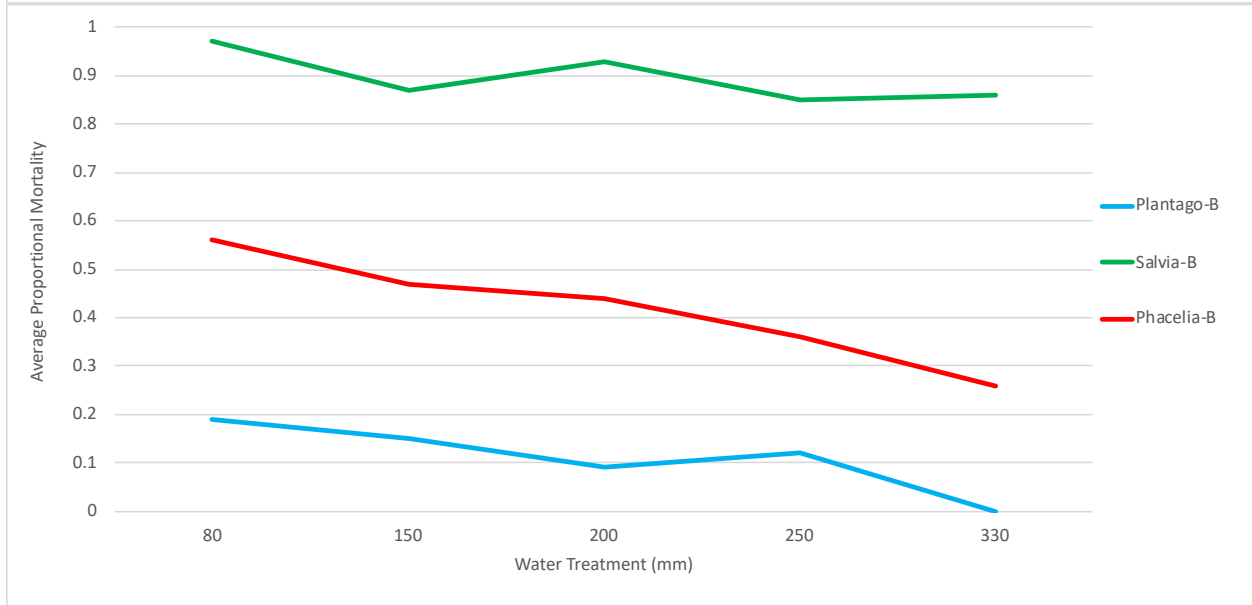
Figure 3) Average mortality of each native species across the five water treatments A) when grown in the absence of brome and B) when grown in the presence of brome. Mortality is represented as proportion of the 10 seeds planted in each pot that either did not germinate by, or survive until, the third census.
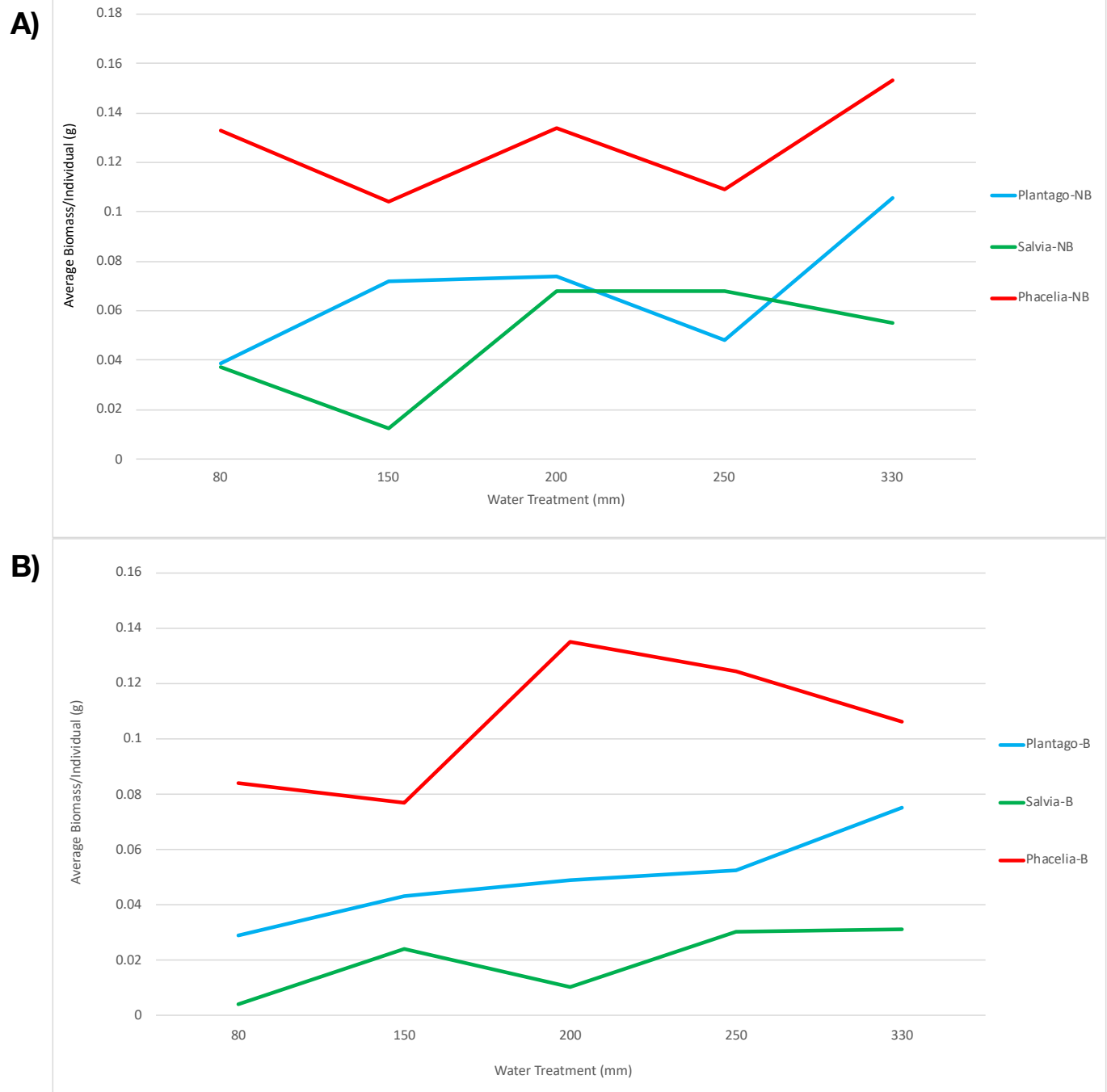
Figure 4) Average biomass per individual of each native species across the five water treatments A) when grown in the absence of brome and B) when grown in the presence of brome.
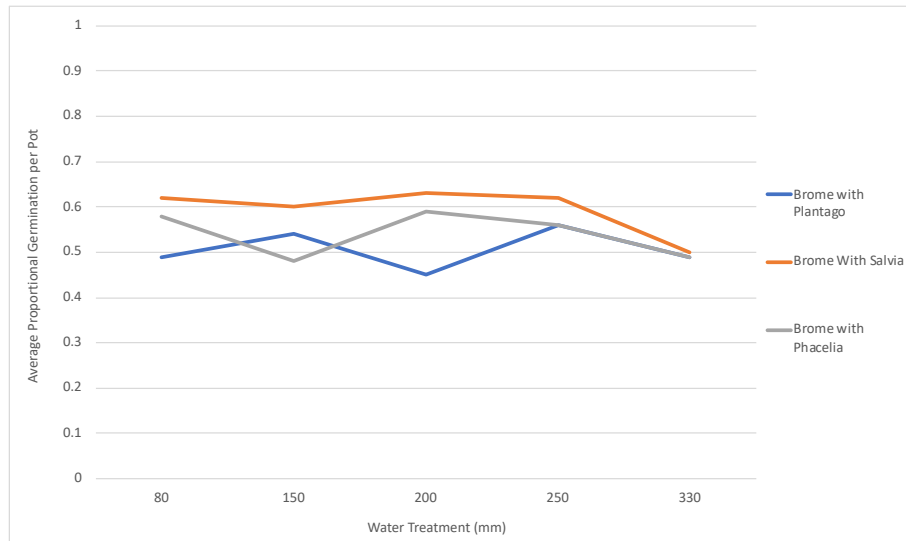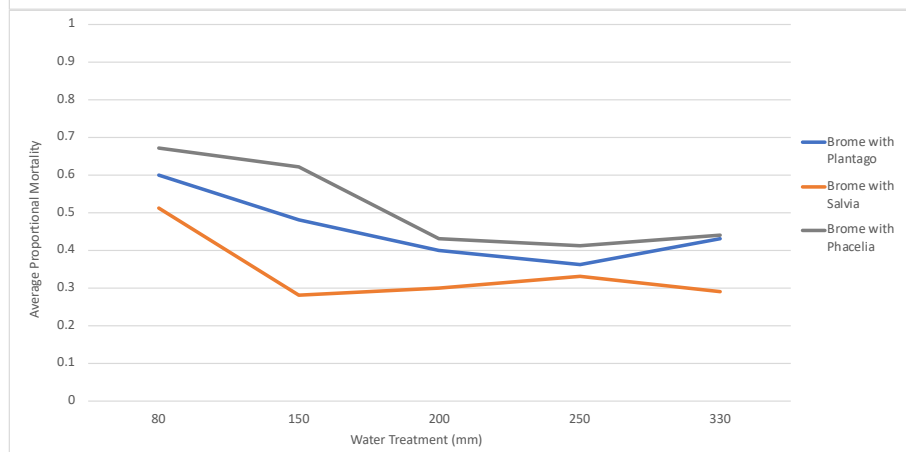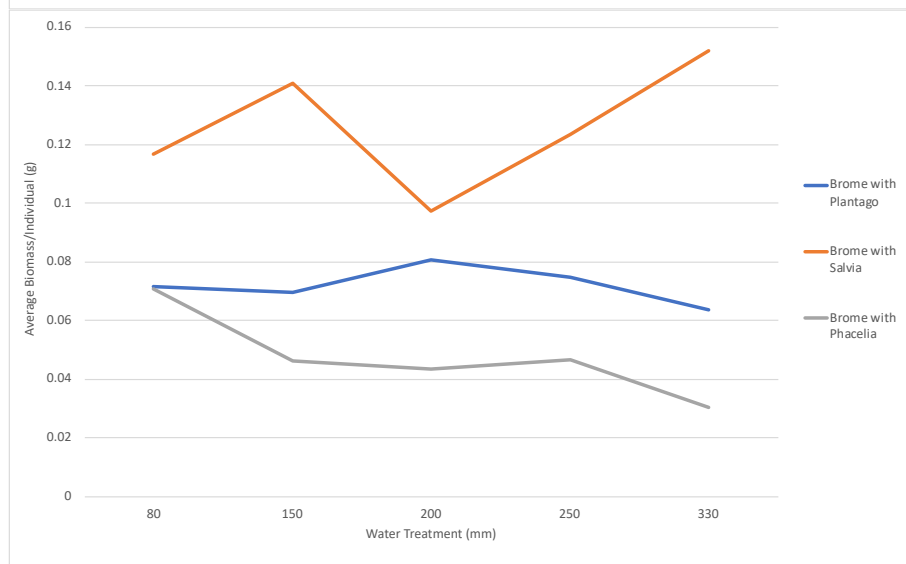
Figure 5) Average A) germination, B) mortality, and C) biomass per individual of brome when grown with the three native species, across the five water treatments. Germination and mortality are represented as proportions of the 10 seeds which were initially planted in each pot.

Table 1) General linear model testing of the effects of water treatment, native species and brome treatment on A) native mortality and B) brome mortality. df represents degrees of freedom.

A)

Model	df	F-Value	P-Value	Effect Size
Water Treatment	4	14.436	P<0.001	0.176
Native Species	2	786.12	P<0.001	0.853
Brome Treatment	1	2.003	0.158	0.007
Water Treatment X Native Species	8	1.494	0.159	0.042
Water Treatment X Native Species X Brome Treatment	8	0.86	0.551	0.025
R^2 = 0.845				

B)

Model	df	F-Value	P-Value	Effect Size
Water Treatment	4	11.837	P<0.001	0.26
Native Species	2	16.665	P<0.001	0.198
Water Treatment X Native Species	8	1.184	0.313	0.066
R^2 = 0.338				

Table 2) General linear model testing of the effects of water treatment, native species and brome treatment on A) native biomass per individual and B) brome biomass per individual. df represents degrees of freedom.

A)

Model	df	F-Value	P-Value	Effect Size
Water Treatment	4	8.46	$P<0.001$	0.111
Native Species	2	118.123	$P<0.001$	0.467
Brome Treatment	1	25.379	$P<0.001$	0.086
Brome Treatment X Native Species	2	2	0.633	0.003
Brome Treatment X Water Treatment	4	4	0.249	0.02
Water Treatment X Native Species	8	8	0.053	0.055
Brome Treatment X Native Species X Water Treatment	8	8	0.032	0.06
$R^2 = 0.505$				

B)

Model	df	F-Value	P-Value	Effect Size
Water Treatment	4	0.246	0.912	0.007
Native Species	2	27.74	$P<0.001$	0.291
Water Treatment X Native Species	8	1.09	0.374	0.061
$R^2 = 0.256$				