I made a statement once, what a absolute' pig' salt is to remove once in a pond system, so I thought I had better quantify it

assume your pond is loaded up with your required level of salinity that being your 100% salt load. And you want to get clear of it by doing either 10% partial water changes or 15% partials.

The only time you get rid of 10% or 15% of the salt is the very first time you do a 10% or 15% partial there after you have to continually increase the percentage of the partials in order to get rid of 10 or 15% of the salt content each time. Because you are diluting the remaining percentage of salt by top up's and removing 10 or 15% of the now new dilution this is a process called "Diminished Returns"

If you continue with 10/15% partials this is what happens. Below is a chart each partial is 10% and 15% respectively, and don't forget you are likely adding salt back to the system as tap water can be as much as 0.05% salt

1st 10% water change	Leaves	90% salt	1st 15% water change	Leaves	85% salt
2 nd 10%	Leaves	81% salt	2 nd 15% water change	Leaves	72.25% salt
3 rd 10%	Leaves	72.9% salt	3 rd 15% water change	Leaves	61.42% salt
4 th 10%	Leaves	65.61% salt	4 th 15% water change	Leaves	52.21% salt
5 th 10%	Leaves	59.05% salt	5th 15% water change	Leaves	44.38% salt
6 th 10%	Leaves	53.14% salt	6 th 15% water change	Leaves	37.73% salt
7 th 10%	Leaves	47.83% salt	7 th 15% water change	Leaves	32.08% salt
8 th 10%	Leaves	43.05% salt	This effects a 100% water change out in partials. on the left the 10% column and a 105% water change out above. At this point most folks think its gone, the table shows it clearly has not if you don't believe it just taste it		
9 th 10%	Leaves	38.74% salt			
10 th 10%	Leaves	34.87% salt			

To continue with the dilutions

11 th 10% water change	Leaves	31.38% salt	8th15% water change Leaves 27.27% salt		
12 th 10%	Leaves	28.24% salt	9 th 15% water change Leaves 23.18% salt		
13 th 10%	Leaves	25.42% salt	10 th 15% water change Leaves 19.71% salt		
14 th 10%	Leaves	22.88% salt	11 th 15% water change Leaves 16.76% salt		
15 th 10%	Leaves	20.59% salt	12 ^h 15% water change Leaves 14.25% salt		
16 th 10%	Leaves	18.53% salt	13 th 15% water change Leaves 12.12% salt		
17 th 10%	Leaves	16.68% salt	14 th 15% water change Leaves 10.31% salt		
18 th 10%	Leaves	15.01% salt	That effects a200 % water change out for the left @ 10% water changes and 210% water change@15%partials and you still have at least 10% left of what you stated with		
19 th 10%	Leaves	13.51% salt			
20 th 10%	Leaves	12.61% salt			

that's a 200% water change and the above figure's in % of the original salt dose still left in the pond

believe me the more you carry on with the math's the sillier it gets and these figure's assume you have not added any more salt in the mean time the above more than demonstrates the following

- 1 don't use it unless you really have to
- 2 if you must use it get a salinity meter you can see where this will lead to, given the guess work in what's been added and taken away.
- 3 if you follow the data down although they start off very different in the amounts of salt being taken out 10% partials verses 15% partials. By about

the 100% water change points in both examples they have roughly caught up with one another there is virtually no difference although one pond is being emptied by 5% more than the other

And if you think you can do it by doing larger water changes try 45% below just for fun

100 %
55
30.25
16.6375
9.150625
5.0328438
2.7680641
1.5223776
0.8373077
0.4605193
0.2532857
0.1393072
0.076619
0.0421405
0.0231773
0.0127476
0.0070112
0.0038562
0.002121
0.0011666
0.0006417
0.000353
0.0001942
0.000107
0.000059
0.0000325
0.0000179
0.0000099
0.0000055
0.0000031
0.0000018
0.000001
0.0000006
0.0000004
0.0000003
0.0000002
0.0000001
0.000000000

This Not strictly the end but the calculator comes up tilt towards 0.0000004