

Report I

on

Investigation Made At
BLACK ROCK FOREST.

Private Preserve of Dr. E. G. Stillman,

Located At

Cornwall-On-The-Hudson, Orange County, New York.

The purpose of this report is to set forth the results of our investigation, to make recommendations and suggestions as to what plantings should be made to make this property more attractive to wildfowl, upland game, to improve the fishing, and to make the property a more attractive place for outdoor recreation.

Made For

Henry H. Tryon, Forest Engineer,

At The Preserve of Dr. E. G. Stillman.

by

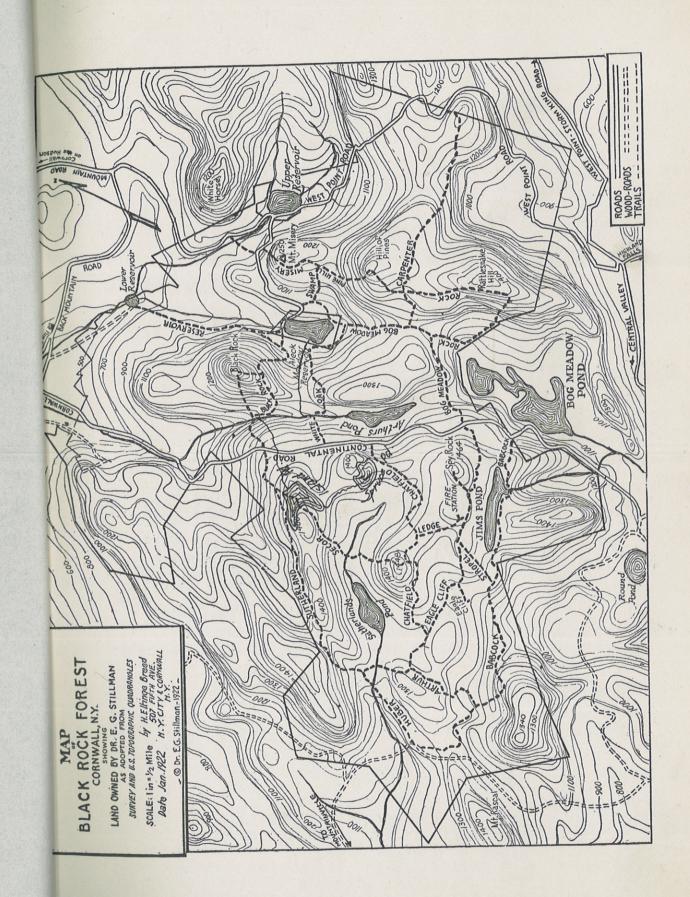
Henry J. Hubert,
Assisting Specialist and Superintendent of Plantings,
for

Clyde B. Terrell,
Naturalist and Aquatic Biologist,
Places Made Attractive To Folks, Game and Song
Birds, Ducks, Fish and Other Wild Life,

Oshkosh, Wisconsin, U. S. A.

Investigation Made By Henry J. Hubert, Oct. 23rd, 1928.

le.



end as good places for planting.

Report on Arthurs Pond.

Size. (Approximate). Length: 1/2 mile. Width: 1/8 mile. Chemical Test.

Water. The water here tested pH 7.6 at the north end indicationg that it is decidedly alkaline.

Hardness of Water. 5 grains per U. S. gallon.

Suitability For Planting. Good.

Vegetation Found Growing. 10e seed ordered last fall,

Note: The following letters are used in table below

to indicate uses of plants and their abundance.

D - Duck Food.

K - Cover for Wild Ducks

and Other Wildfowl.

F - Fish Food and Cover. 1929 Planting.

B - Ornamental.

Common and Botanical Name. Abundance.

Wild Rice (Zizania aquatica) Wild Celery (Vallisneria spiralis) Floating Brownleaf Pond Plant (Potamogeton natans) Wampee (Peltandra virginica) D-B r

Recommendations For Planting.

we would 1 bu. Coontail ild Rice seed has been planted here, in the 1 bu. Naias

1 bu. Water Weed (Elodea)
5 lbs. Floating Brownleaf Pond Plant seed
50 Yellow Waterlily tubers

50 White Waterlily tubers

3000 Wild Celery winter-buds

*75 lbs: Wild Celery seed *17 lbs. Wild Celery seed the proper depth of water

* This Wild Celery seed has already been ordered and was originally intended for planting in Arthurs, Spruce and Sutherlands Ponds, but we are recommending that all this Wild Celery be put in Arthurs Pond where conditions seem to be most favorable. We are making this change after again carefully studying conditions in all the bonds. There is room here for some excellent and extended Wild Celery beds. The 17 lbs. of seed are being sent free with the 85 lbs.

ordered. We would suggest the northwest bay and the north end as good places for planting.

Report on Arthurs Pond.

Size. (Approximate). Length: 1/2 mile. Width: 1/8 mile. Chemical Test.

Water. The water here tested pH 7.6 at the north end indicationg that it is decidedly alkaline.

Hardness of Water. 5 grains per U. S. gallon.

Suitability For Planting. Good.

Wegetation Found Growing.

Note: The following letters are used in table Felow to indicate uses of plants and their abundance.

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Common and Botanical Name. Use. Abundance. Wild Rice (Zizania aquatica) D-K-B Wild Celery (Vallianeria (affaliga D-F Floating Brownlesf Pond Plant (Potamogeton natana) Tow II Wampee (Peltandra virginica) D-B

Recommendations For Flanting.

I bu. Coontail 1 bu. Waiss 1 bu. Water Weed (Elodea) 5 lbs. Floating Brownleaf Fond Plant seed 50 Yellow Waterlily tubers 50 White Waterlily tubers 3000 Wild Celery winter-buds * 10s: Wild Oelery seed *17 lbs. Wild Celery seed

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Report on Sutherlands Pond.

Size. (Approximate). Length: 1/2 mile. Width: 1/4 mile. Chemical Test.

Water. The water here tested of 6.2, indicating that it is acid water. Hardness 2 grains per U. S. gallon.

Good. Suitability For Planting.

Recommendations For Planting.

Part of the Wild Rice seed ordered last fall. was recommended for planting in this pond, and we presume it was planted there. However Mr. Tryon, who made the Fall 1928 plantings can state definitely just what was planted in this pond. In addition to the plantings recommended for last fall planting, we recommend the following plantings to be made in the Spring and Summer of 1929.

For Soring and Summer 1929 Planting.

50 Pickerel Plant toots
100 White Waterlily tubers
100 Yellow Waterlily tubers
50 Water Shield plants
4 bu. Bladderwort * Reco 2 bu. Submerged Ducks Meat

* The Bladderwort will do especially well in this pond, and is recommended for furnishing food and cover for fish water Shield plants.

Note: If no Wild Rice seed has been planted here, we would suggest that at least 10 or 15 lbs. be planted in the southeast end, selecting soots where there is a soft mud bottom, with water from 1 ft. to 22 or 3 ft. in depth, and where the planting will get plenty of sunshine.

The southeast bay is a good place for planting. and would recommend also that some other plantings be made also in other parts of the pond, selecting places where the bottom is most desirable, and the proper depth of water is found as indicated in the table of planting information inserted in the back of this report, and according to the detailed planting instructions sent when shipment goes forward. It is impossible for us to pick the exact spots for planting as the time spent at Black Rock Forest, was insufficient for us to go over the ponds in detail, and lay out detailed planting plans. We studied conditions in general, made water tests, and examined the bottom in the particular spots of pond which we visited.

Report on Sutherlands Pond.

Size. (Approximate). Length: 1/2 mile. Width: 1/4 mile. Obemical Test.

Water. The water here tested off 6.2, indicating that it is acid water. Hardness 2 grains per U. S. gallon.

Suitability For Planting. Good.

Recommendations For Planting.

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For Spring and Summer 1929 Planting.

50 Pickerel Plant roots
100 White Waterlily tubers
100 Yellow Waterlily tubers
50 Water Shield plants
4 bu. Sladderwort *
2 bu. Submerged Ducks Meat

* The Bladderwort will do especially well in this pond, and is recommended for furnishing food and cover for fish.

Note: If no Wild Rice seed has been planted here, we would suggest that at least 10 or 15 lbs. be planted in the southeast end, selecting spots where there is a soft mud bottom, with water from 1 ft. to $2\frac{1}{2}$ or 3 ft. in depth, and where the planting will get plenty of sunshine.

The southeast bay is a good place for planting, and would recommend also that some other plantings be made also in other parts of the pond, selecting places where the bottom is most desirable, and the proper depth of water is found as indicated in the table of planting information inserted in the back of this report, and according to the detailed planting instructions sent when shipment goes forward. It is impossible for us to pick the exact spots for planting as the time spent at Black Rock Forest, was insufficient for us to go over the ponds in detail, and lay out detailed planting plans. We studied conditions in general, made water tests, and examined the bottom in the particular apots of pond which we visited.

Report on Jims Pond.

Size. (Approximate). Length: 3/4 mile. Width: 1/8 mile.

Chemical Test.

Water. The water here tested pH 6.2, indicating that it is acid water.

Suitability For Planting. Good.

Vegetation Found Growing.

Inote: The following letters will be used to indicate uses of plants found growing, and their abundance.

D - Duck Food.

r - rare.

F - Fish Food and Cover.

B - Ornamental.

Common and Botanical Name.

Use. Abundance.

Yellow Waterlily (Nuphar advena) D-F-B could Pickerel Plant (Pontederia cordata)D-F-B reflecting Brownleaf Pond Plant (Potamogeton natans) D-F could be presented by the Wampee (Peltandra virginica) could be presented by the pre

acter is Recommendations For Planting. to for the Waterlilles, and from one to three feet for the Pickerel Wlant.

50 Pickerel Plant plants. 100 Yellow Waterlily tubers.

100 Water Shield plants. 50 White Waterlily tubers.

2 bu. Coontail.

2 bu. Bladderwort*

2 bu. Submerged Ducks Meat. 2 bu. Floating Ducks Meat.

*Bladderwort is recommended for providing food and cover for fish.

There is quite a bit of shallow water, with good mud bottom in this pond that will make excellent places for planting. We did not have time to pick out the best spots for planting and to make planting plans, but we consider the south shore and east end of the pond good places for planting. Detailed planting instructions sent with orders give the depth of water, etc. in which material should be planted.

Report on Jims Pond.

Size. (Approximate). Length: 3/4 mile. Width: 1/8 mile. Onemical Test.

that it is acid water. The water here tested pH 6.2, indicating

.bood .anitably For Planting. Good.

Yegetation Found Growing.

Note: The following letters will be used to indicate uses of plants found growing, and their abundance.

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Octaens B - Ornsmental.

Common and Botanical Name. Use. Abundance.

Yellow Waterlily (Nuphar advena) D-F-B Pickerel Plant (Pontederia cordata)D-F-B Floating Brownleaf Pond Plant
(Potamogeton natang)
Wampee (Peltandra virginica)

Recommendations For Flanting.

50 Pickerel Plant plants. .ajnalq bleida retaw 000 100 100 1000 50 White Waterlily tubers.
2 bu. Coontail.
2 bu. Sladderworts

2 bu. Submerged Ducks Meat.
2 bu. Tloating Ducks Meat.

*Bladderwort is recommended for providing food and cover for fish. Is a cover plantings as sade

There is quite a bit of shallow water, with good mud bottom in this pond that will make excellent places for planting. We did not have time to pick out the best epots for planting and to make planting plans, but we consider the south shore and east end of the pond good places for planting. Detailed planting instructions sent with orders give the depth of water, etc. in which material should be planted. ed the study of and the conditions in general, water with the cate, water the cotton in the cate, water the cate, water the cate, water the cate, water and the cate, water and the cate of t

Report on Spruce Pond.

Size. (Approximate) Length: 1/6 mile. Width: 1/6 mile.

Chemical Test west end to be a good place for

Water. The water here tested pH. 6.4, indicating that it is acid water. Hardness - 2 grains per U. S. Gallon.

Suitability For Planting. Fair.

Having no boat here, we could not make a thorough investigation to find out what if any, vegetation was growing in this pond.

Recommendations For Planting. For Soring 1929 Planting.
50 Yellow Waterlily tubers
50 Pickerel Plant roots

Note: Not having a boat here so that we could examine the bottom in various parts of the lake, we are unable to state exactly where the best spots for planting these would be found. We would suggest that spots with a mud bottom, and places where other vegetation is not thickly growing, be selected, and that these be planted where the water is from one to four feet in depth for the Waterlilies, and from one to three feet for the Pickerel Plant.

for this plant; be the reflect that were the

next spring, as we believe conditions are favorable

For Spring 1929 Planting

3 bu. Bladderwort

Report on Spruce Pond.

Size. (Approximate) Length: 1/6 mile. Width: 1/6 mile. Chemical Test.

Water. The water here tested pH. 6.4, indicating that it is acid water. Hardness - 2 grains per U. S. Callon.

Suitability For Planting. Fair.

Vegetation Found Growing.

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> Recommendations For Planting. For Spring 1929 Planting. 50 Pickerel Plant roots

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TO Fickers! Plant plants.

tion book diffe there walleds to the a stime at break

Report on Island Pond.

Desirable Wild Life Wound Here. At the time we made this investigation Island Pond was not yet flooded. In looking it over, Iving whjudged the southwest end to be a good place for me soplanting generally speaking ald not distinguish just what varieties of waterfive they were.

We would recommend that one of our questionnaires be filled out in detail describing this pond, after it has been flooded. We would suggest also that a rough sketch of this pond be sent us, indicating outline of the waters, inlets, outlets, kind of bottom and depth of water that will be in different parts ted By. of the pond when completed. This will give us a good idea of the conditions and we will then be glad to suggest a planting plan, showing where the various plantings recommended should be made. If you wish to send us a sample of the water for test, we will ubert. be glad to test it for you. There is no charge for you. this kind of help we can give you through correspondence.

Note: In addition to the above listed, there may be other varieties of wild life, undesirable because they are an Recommendations For Planting, a property, but which were not noted at the time.

We believe it is best to defer making planting recommendations to any extent until the pond is completed and the water let in, and the further detailed information sent us so that we may make a further study of conditions here. However, we would recommend planting the following for planting next spring, as we believe conditions are favorable thor this plant; be used to reduce and keep down their numbers. Caution must be used in putting out poison for vermin, so For Spring 1929 Planting of wild life will not be killed also.

3 bu. Bladderwort Desirable Varieties of Wild Life That Way Be Attracted OR Introduced.

May Ba Attracted.

May Be Introduced.

All varieties of Wild Ducks. Quail
Wild Geese Pheasants
Song Birds Hungarian Partridge
Ruffed Grouse

Note: The Black Rock Forest, Private Preserve of Dr. E. G. Stillman, offers splendid opportunities for attracting and holding almost unlimited numbers of game, including wild ducks, geese, upland game birds, song birds, and the fishing also can be materially improved. The first and most important thing to consider however, is the food supply. An abundant supply of food must be maintained, and natural Toods are best, to hold wild life on the property.

Report on Island Pond.

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Recommendations For Planting.

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For Spring 1929 Planting.

5 bu. Bladderwort

Plantings Recommended To Provide Food and Gover For Quail, Pheasants. Partridge, Grouse and Other Unland Game and Song Birds.

Desirable Wild Life Found Here.

We noticed a number of flocks of waterfowl flying while we were at the property, but they were flying so high in the air that we could not distinguish just what varieties of waterfowl they were.

100 Wild Grape Vines 2 Vr. - - - - - -

100 White Wilherm (Director) (Engle & Thed

Undesirable Varieties of Wild Life Noted Here.

	- Common. Reported By.
Bob Cat	Henry H. Tryon.
Stray House Cats L	
Hawks	
Foxes	п п п
Crows	Henry J. Hubert.
Mink Offer According Los	special Henry H. Tryon.
we made outing December, and which	we feel you should

Note: In addition to the above listed, there may be other varieties of wild life, undesirable because they are enemies of fish and game, on this property, but which were not noted at the time.

Protect Fish and Game By Controlling Game Enemies.

We would suggest that all vermin or enemies of the fish and game on your property be controlled and their numbers reduced by shooting, trapping, poisoning, destroying nests, eggs and young, or by any other methods that may lawfully be used to reduce and keep down their numbers. Caution must be used in putting out poison for vermin, so that desirable varieties of wild life will not be killed also t be planted and left standing in

Desirable Varieties of Wild Life That May Be Attracted soils. Some cover OR Introduced ded near these fields

of Wild Dick Milket and Duck Wheat May Be Introduced.

All varieties of Wild Ducks. Quail
Wild Geese
Song Birds
Fungarian Partridge Ruffed Grousettract to this property if you provide plenty

Note: The Black Rock Forest, Private Preserve of Dr. E. G. Stillman, offers splendid opportunities for attracting and holding almost unlimited numbers of game, including wild ducks, geese, upland game birds, song birds, and the fishing also can be materially improved. The first and most important thing to consider however, is the food supply. An abundant supply of food must be maintained, and natural foods are best, to hold wild life on the property.

Plantings Recommended To Provide Food and Cover For Quail, Pheasants, Partridge, Grouse and Other Upland Game and Song Birds.

For Spring 1929 Planting.
list in any way you wish. You will note that we have
and 100 Dwarf Sumac (Rhus copallina) 2 to 3 ft \$40.00
100 Staghorn Sumac (Rhus typhina)2 to 4 ft 35.00
has 100 Wild Meadow Rose (Rosa blanda) tion and study of
reports on the 50 1-2 2 yr.d 1 to 12 ft.bert 20.00
50 - 3 yr. 1½ to 2½ ft 25.00
100 Wild Grape Vines 2 yr 35.00
Resu 20 Bird Cherry (Prunus pennsylvanicum) ng of 1928.
$\frac{3\frac{1}{2}}{10}$ to 6 ft 10.00
100 White Mulberry (Russian) (Morus alba) 114
Wild Rice and Zasto Bordt.Plant -were erdered, -and -in 20.00
sor 100 American Elder (Sambucus canadensis) and a sed
were planted. 3 to 4 ft. 12 male my - 12 - 12 - 12 - 10 60.00
the 100 lbs. Wild Duck Millet seed 19.50
150 lbs. Duck Wheat seed 33.00
that the Wild Rice and Wampee also produced a fa\$267.00th.
We did not find any of the Sago Pond Plant as we had no
boa SPECIAL OFFER: According to a special offererefore
we made during December, and which we feel you should uck
get the benefit of, we will furnish FREE of charge, tory
20% more material than the order calls for, or \$53.40
worth, with the above order if order is entered with
us before March 1st. Quarantes.

We would suggest planting the nursery stock listed above in clumps of from 5 to 20 here and there in suitable places, where it is desired to attract these birds. We would suggest planting alond the edge of fields, along fence lines, brick or stone walls, along roadways, etc. as very good places for planting. We also want to suggest that grasses and other vegetation be left to grow undisturbed along fence lines, as this makes good cover for these birds. We would suggest that fields be plowed up and prepared as for sowing other grain, and the Wild Duck Millet and Duck Wheat be planted and left standing in the fields for the birds. The Wild Duck Millet requires a soil containing moisture and does well in most garden soils. Some cover should be provided near these fields of Wild Duck Millet and Duck Wheat.

The planting of nursery stock can be greatly extended as there is ample room for a great deal more of these plantings than suggested. There is practically no limit to the numbers of wild ducks, upland game and song birds that you can attract to this property if you provide plenty of food for them, and an abundance of cover. You r wild life can increase their numbers only as far as the food supply permits. Given plenty of food and cover, with the natural enemies kept under control, your wild life can increase in almost unlimited numbers. Plenty of food must be provided however, for if these birds do not find enough to eat on your own property, they stray or fly away to other places where food is to be found.

esirable Wild Life Wound Here.

We noticed a number of flocks of waterfowl flying while we were at the property, but they were flying so high in the air that we could not distinguish just what varieties of waterfowl they were.

Undesirable Varieties of Wild Life Woted Here.

Note: L - Limited number. G - Gommon.

Name.

Bob Cat

Stray House Cats

Hawke

Foxes

Crows

Mink

L

Henry J. Hubert.

Kkunk

Note: In addition to the above listed, there may be other varieties of wild life, undesirable because they are enemies of fish and game, on this property, but which were not noted at the time.

Protect Fish and Came By Controlling Game Enemies.

We would suggest that all vermin or enemies of the fish and game on your property be controlled and their numbers reduced by shooting, trapping, poisoning, destroying nests, eggs and young, or by any other methods that may lawfully be used to reduce and keep down their numbers. Caution must be used in putting out poison for vermin, so that desirable varieties of wild life will not be killed also.

Desirable Varieties of Wild Life That May Be Attracted OF Introduced.

May Be Attracted.

May Be Introduced.

All varieties of Wild Ducks. Quail
Wild Geese Pheasants
Song Birds Hungarian Partridge

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Plantings Recommended To Provide Food and Cover For Quail, Pheasants, Partridge, Grouse and Other Upland Game and Song Birds.

For Spring 1929 Planting.

- 35.00	100 Dwarf Sumac (Rhus copallins) 2 to 3 ft. 100 Stagnorn Sumac (Rhus tyohins) 2 to 4 ft. 100 Wild Meadow Rose (Rose plands)
00.08 -	20 - 2 yr. 1 to 1 ft 2 - 2 c
- 25.00 - 35.00	100 Wild Grape Vines 2 yr. 2 to 14 ft c 2
- 10.00	100 White Mulberry (Russian)(Womin older)
- 20.00	100 American Elder (Samougus canadanata)
- 60.00 - 19.50 - 33.00	100 lbs. Wild Duck Millet seed
\$267.00	

SPECIAL OFFER: According to a special offer we made during December, and which we feel you should get the benefit of, we will furnish FREE of charge. 20% more material than the order calls for, or \$53.40 worth, with the above order if order is entered with us before March lst. us before March let.

We would suggest planting the nursery stock listed above in clumps of from 5 to 20 here and there in suitable places, where it is desired to attract these birds. We would suggest planting alond the edge of fields, along fence lines, brick or stone walls, along roadways, etc. as very good places for planting. We also want to suggest that grasses and other vegetation be left to grow undisturbed along fence lines, as this makes good cover for these birds. We would suggest that fields be plowed up and prepared as for sowing other grain, and the Wild Duck ni gaibasts fiel bas betasla ed teedw wood bas telliw the fields for the birds. The Wild Duck Willet requires nebreg from ni Ilew seeb bns eruteiom gninistnoo lies s soils. Some cover should be provided near these fields of Wild Duck Milbet and Duck Wheat.

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list in any way you wish. You will note that we have made some changes in our planting recommendations since the original list was given you by Mr. Hubert, and this has been done after careful consideration and study of reports on the waters made by Mr. Hubert.

190 lbs. Giant Wild Rice seed

Results of Plantings Made in 1927, and Spring of 1928.

In 1927 some Wild Celery, Yellow Waterlily, Wild Rice and Sago Pond Plant were ordered, and in the spring of 1923, some Wild Duck Millet and Wampee seed were planted. We found in making our investigation in the Fall of 1928 that the Wild Celery had produced good results, as did also the Yellow Waterlily. We found that the Wild Rice and Wampee also produced a fair growth. We did not find any of the Sago Pond Plant as we had no boat in which to go out on the waters, and we therefore do not know what results this produced. The Wild Duck Millet, as far as we know did not produce satisfactory results.

Replacement as per Guarantee.

We will be glad, according to our guarantee, to replace the Wild Duck Millet seed at one-half price, or furnish you with an equal value of any other planting material you may select from our pricelist, at onehalf price. You may therefore purchase \$3 worth (the price of the Wild Duck Millet seed furnished) of any planting materials desired, at one-half price or for \$1.50. Or, you may have a credit of \$1.50 on any order you send us amounting to more than \$3. We now have on file an order for \$5 lbs. Wild Celery

seed to be shipped in the fall of 1929. We are recommending eplanting Service. report, that this entire amount of Wild Calery seed, with 17 lbs. additional which will be fur-

Should you desire our services in making any plantings you decide to carry out, we will be glad to furnish you the services of a man to do this work at our usual rate of \$15 per day for his time required to make the trip to the property and return, and to carry out the planting.

Laus for tayed bas book ablyers of behomement enditable

list in any way you wish. You will note that we have made some changes in our planting recommendations since the original list was given you by Mr. Hubert, and this has been done after careful consideration and study of reports on the waters made by Mr. Hubert. 00.39 ---- 37 (5 0) 45 .19 5 -

Results of Plantings Wade in 1927, and Spring of 1928.

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Replacement as per Guarantee.

We will be glad, according to our guarantee, to ro ,eoira lied-eno ta beed tellim doud bliw edt eoslger furnish you with an equal value of any other planting -eno is telegitor our original, at onehalf price. You may therefore purchase \$3 worth (the price of the Wild Duck Willet seed furnished) of any planting materials desired, at one-half price or for \$1.50. Or, you may have a credit of \$1.50 on any order you send ue amounting to more than \$3. her states and thought we are

El unibacie ital bas before on Jeers word bag infile

Planting Service. Direction of the Pack Willet received sanitasio you desire our services in making any plantings you decide to carry out, we will be glad to furnish you to eservices of a man to do this work at our usual rate of \$15 per day for his time required to make the trip to the

property and return, and to carry out the planting. plantings than suspented. There is preciselly no limit to the numbers of wild ducks, upland game and cong birds tense of your will to waits while they no tee of .bosol so of at bool eleck asomic

Plantings Made Fall 1928.

Blad der Wort Plan

Water Shield Plants

20000

After making the trip to this property last fall (1928) Mr. Hubert made a list of planting recommendations which he gave Mr. Tryon. The following order was then entered with us for fall planting:

190 lbs. Giant Wild Rice seed 85 lbs. Wild Celery seed
3 bu. Muskgrass

3 lbs. Floating Brownleaf Pond Plant seed

This material was shipped to Mr. Tryon, with the exception of the Wild Celery seed which we were unable to furnish at that time. Mr. Tryon made the plantings. planting the materials, I presume, in places suggested by Mr. Hubert, which were as follows:

> For Arthurs Pond. 25 lbs. Wild Rice seed 2 lbs. Floating Brownleaf Pond Plant seed 3 bu. Muskgrass

> For Spruce Pond. 25 lbs. Wild Rice seed 1 1b. Floating Brownleaf Pond Plant seed

For Sutherlands Pond. 15 lbs. Wild Rice seed

For Jims Pond. 125 lbs. Wild Rice seed H D A HEHELD

We now have on file an order for 85 lbs. Wild Celery seed to be shipped in the fall of 1929. We are recommending elsewhere in this report, that this entire amount of Wild Celery seed, with 17 lbs. additional which will be furnished free of charge, be planted in Arthurs Pond, where conditions seem to be most favorable for the growth of this plant.

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Plantings Made Fall 1928.

After making the trip to this property last fall (1928) Wr. Hubert made a list of planting recommendations which he gave Mr. Tryon. The following order was then entered with us for fall planting:

> 190 lbs. Giant Wild Rice seed 85 lbs. Wild Celery seed bu. Muskgrass

3 lbs. Floating Brownleaf Pond Plant seed

This material was sploped to Mr. Tryon, with the exception of the Wild Gelery seed which we were unable to furnish at that time. Mr. Tryon made the plantings. planting the materials, I presume, in places suggested by Mr. Hubert, which were as follows:

25 los. Wild Rice seed
2 los. Floating Brownleaf Pond Plant seed
3 bu. Muskgrass

For Spruce Pond.
25 lbs. Wild Rice seed 1 lb. Floating Brownlesf Pond Plant seed

For Sutherlands Pond.

15 lbs. Wild Rice seed

For Jime Pond.

125 lbs. Wild Rice seed

We now have on file an order for 85 lbs. Wild Celery seed to be shipped in the fall of 1929. We are recommending elsewhere in this report, that this entire amount of wild Celery seed, with 17 lbs. additional which will be furnished free of charge, be planted in Arthurs Pond, where conditions seem to be most favorable for the growth of this For Spring, Summer Rock Forest. Showing Plantings Recommended

Black Rock Forest Report I. Floating Brownleaf Pond lbs. bu. 4 bu. 2 bu. 1 bu. 5 1

\$9 \$24 \$12 \$10 \$7.50

\$362.00

\$ places for planting, but reperty, we were uncour examinations and tests in others there are other good e would suggest that the returned by the one making st spots for planting. Naias Sub- Float- Nerged ing Ducks Ducks furn@h own tur anting materials - - - - - - #352

ding to a special offer
er, and which we feel you e
t of, we will furnish
nore material (#75.40 wonth)
if order is entered with
to the best pl Water Weed Plants Coon-tail plants Blad-sder Wort plants bu. above planting material 7 N Water Shield Plants 929 SPECIAL OFFER. According twe made during December, an should get the benefit of, FREE OF CHARGE, 20% more mathan order calls for, if or us before March 20th. Pick-erel Plant roots 222 White Water Lily tubers 262 \$20 Yellow Water Lily tubers to Jo cost 2002 Wild Celery winter-buds t 3000 06# puo Water, Arthurs Pond Sutherlands Jims Pond Spruce Pond Island Pond of Name

time we had to go over the of the ponds. We made our ver the property. Doubtle we have suggested. We wo all orders be carefully at able to select the best s Note: We have made some suggestions as because of the limited amount of time we han able to examine different parts of the pond the places we touched in going over the prospots in the ponds besides those we have suplanting instructions sent with all orders the plantings so he will be able to se

We want to take this opportunity to call your attention to our evergreens, of which we can furnish some mighty fine stock. Take our Norway or Red Pine we can furnish nursery grown, transplanted trees 12 to 18 in. in size, at \$75 per 1,000; \$15 per 100. If you want anything along this line, we will be glad to have an opportunity to quote you on our stock.

At this time we want to thank you for the many courtesies shown while at the property, - for your business in the past, - and to assure you that we are always at your service to help you make Black Rock Forest a favorite stopping and feeding ground, and home for wild ducks, upland game and other wild life.pickerel we

We learn from a study of the relations of plant and animal life that certain that grow a plants not only in themselves serve as food for many kinds of fish, ame plants make good harboring places and feeding grounds for over forms of water animal life which serve as food for fish. A good and shill other kinds later on to bring them to maturity. Nearly all this food

and the owner of the pond might get more or less fish out of it, but with some interferent work the pond could be made to produce as many fish as its natural food supply would support. If the fish culturist knew how to properly stock

Pianta for Various

Fresh Water With Charles

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