

(

,

,

.

.

.

() () :

() () ()

() ()

()

() () % ,

() -)

() -(

()

() % ,

.

)

- () -

:

(-) *(GAFRD)
**(CAPMAS)

-

(Internet)

:(Method)Craft -

:

-١

:Trawling Craft -

-٢

Trawling net

() -٣

() -٤

()

:Purse seine Craft -

Purse seine net

* General Authority for Fish Resources Development
** . Central Agency for Public Mobilization and Statistics.

:

:

:Long line Craft -

Long line

" "

() () ():

() ()

-

()

.()

-

:Trammel Craft -

Trammel net

Gill-Net

-

Plankton ()

()

:Karkaba Craft -

% ,

% ,

% ,

()

% ,

% , (-)

% ,

% ,

)

- (

- .()

% , -

: ()

% , % ,

% , % ,

(% ,) .() -

:

(% ,) (% ,)

(% ,) (% ,) (% ,)

(% ,) (% ,)

- () -

: () (%,) (%,)
 (% ,) (% ,) (% ,)
 % , (% ,) (% ,) (% ,)
 (% ,)

% ,

. () -

% , % ,

%	/	%	/	%	/	%	/	%	/
-	-	/		-	-	-	-	/	
-	-	/		-	-	-	-	/	
-	-	/		-	-	-	-	/	
-	-	/		-	-	-	-	/	
-	-	-	-	-	-	-	-	/	
-	-	-	-	-	-	-	-	/	
-	-	-	-	-	-	-	-	/	
-	-	/		/		-	-	/	
-	-	-	-	-	-	/	/	/	
-	-	/		-	-	-	-	/	
/		/		/		-	-	/	
-	-	-	-	-	-	-	-	/	
-	-	/		-	-	-	-	/	
-	-	/		-	-	-	-	/	
-	-	-	-	-	-	/	/	-	-
-	-	-	-	-	-	/	/	-	-
-	-	-	-	-	-	/	/	-	-
-	-	-	-	-	-	/	/	-	-
-	-	-	-	-	-	/	/	-	-
-	-	-	-	-	-	/	/	-	-
-	-	-	-	-	-	/	/	-	-
-	-	-	-	-	-	/	/	-	-
-	-	/		-	-	-	-	-	-
-	-	/		-	-	-	-	-	-
-	-	/		-	-	-	-	-	-
/		-	-	-	-	-	-	-	-
/		-	-	-	-	-	-	-	-
/		/		/		/		/	*

*

:

(% ,) (% ,) (% ,)
 % ,
 .() -

% ,
 % ,

.() - ,
 : ()

% ,
 : ()

% ,
 % ,
 % , % ,

% ,
 % ,
 % , % ,
 % ,
 .() -

% ,
 .() - ,

: : ()

)

(

.() (% ,)
 (% ,) (% ,) (% ,)
 (% ,) (% ,) (% ,)
 . (% ,)
 (% ,) (% ,)

() () () ()

-: () :

:Operation Ratio (%) ()

Operating Project ()

Evaluation

() ():

() ()

- () -

(% ,) (% ,) ()

(% ,) (% ,) (% ,) (% ,)

) (% ,)() (% ,)(

(% ,)() (% ,)(

(% ,)() (% ,)(

.() -(% ,)() (% ,)

Payback Period () () (% ,) (% ,)

.() -

Return on Sales (%) ()

,) (,)

(,) (

(,)()

(,)()

) () (% ,) (% ,)

- , , (% ,)

.()) (% ,)()

Return on Equity(%) () (% ,)(

(% ,)()

(% ,)()

.() -

(% ,) (% ,) **Return on Costs (%)** ()

() (% ,)
) (% ,)()
 Feasibility Study Evaluation ((% ,)(

() ()
 % , % ,

.() -

Break- Even Analysis ()

() :

() () :

()

-: ()

Benefit Cost Ratio (B/C) ()

()

)

)

(

.()

- ()

)

()

Net Present Value (NPV)

()

)

,

(

(

)

-(

)

.()

()

Internal Rate of Return (IRR)

()

:

(%) ()

.(%) ()

%)

(%)

()

.(

(IRR)

(%)

.()

:

(B/C)

()

-

()

(,)

)

(,)

(,)

)

(,)(

)

(,) (

)

(,) (

.(,)(

(NPV)

()

-

-

-

-

-

(IRR)

()

"

-

"

(%)

(% ,)

(% <)

(% ,) ()

(% ,) ()

<http://www.startimes.com/f.aspx?t=30173398>.

<http://www.gafrd.org/posts/143836>.

<http://www.gafrd.org/posts/84209>

Abd-El-Hafez, S. M. and et ale, Techno- Economic study of fishing methods in Bardawil Lagoon- shared research, Arab Aquaculture 2014 conference, Faculty of Agriculture Saba Basha , Alexandria 6-8 may ,2014.

SUMMARY

Economic Evaluation of Working Fishing Methods in Alexandria Mediterranean Sea Fisheries

El-kak, Abd El-Latif A., El-Caryony Ibrahim A., Soliman, Saad Z. and Maiyza, Sh. I.

Fishing craft (Method) is one of the most important elements of capitalistic elements which use in the production process of fisheries sector, every fishnet has a different way to work according to the type of the boat used, whether it was automatic or sailing boat. Also, the location and depth of fishing and the materials used in manufactured determine the type of fish catch whether it was demersal or pelagic fishes.

The most important legal prevailing crafts in Alexandria Governorate Mediterranean Sea Fisheries are; (1) Trawling craft, (2) Purse seine craft, (3) Shore or Beach craft, (4) Trammel craft, (5) Long Line craft, (6) Karkaba craft.

The mechanical boats work with one of these crafts (Trawling, Purse seine, Trammel, Long Line, and Karkaba), which contribute around 66.2% of total average fishing effort in Alexandria Governorate Mediterranean Sea Fisheries during the period (2000-2011), but fishing boats licensed to work with Shore or Beach craft with second-degree or third-degree, Where the fishing effort is estimated private Shore or

Beach craft and other coastal crafts approximately 33.8% of average total fishing effort in these fisheries.

The catch composition of fish depend on the using net, and the productivity of fish trip of those crafts approximately about 8.5 tones, 903.8 kg, 666.0 kg, 465.3 kg, 474 kg in Trawling, Purse seine, Trammel, Long Line, and Karkaba respectively (2013).

The result of operating project & feasibility study evaluation shows that these crafts economically feasible in the short and also long term. Economic efficiency of those crafts varies from one to another, the highest Economic efficiency in trammel craft while the lowest in big Trawling craft.

The small units of fish production achieve the economic and productivity efficiency higher than their counterparts in present and future, which encourages the investment in small units of fish production (Less than 200 HP), so the Internal rate of return (IRR) of the small production units are higher than their counterparts in big production units, which is higher than its guaranteed counterparts on governmental bonds (16%).

()	()	()	()	
,	,	,	,	,	,	,	(%)	()
,	,	,	,	,	,	,	(%)	()
,	,	,	,	,	,	,	(%)	()
,	,	,	,	,	,	,	()	()
,	,	,	,	,	,	,	(%)	()
							()	()
,	,	,	,	,	,	,	()	-
,	,	,	,	,	,	,	()	-
							()	: