Coastal erosion hazard assessment mapping along the coast of Kanyakumari district, South West India, using C++ language

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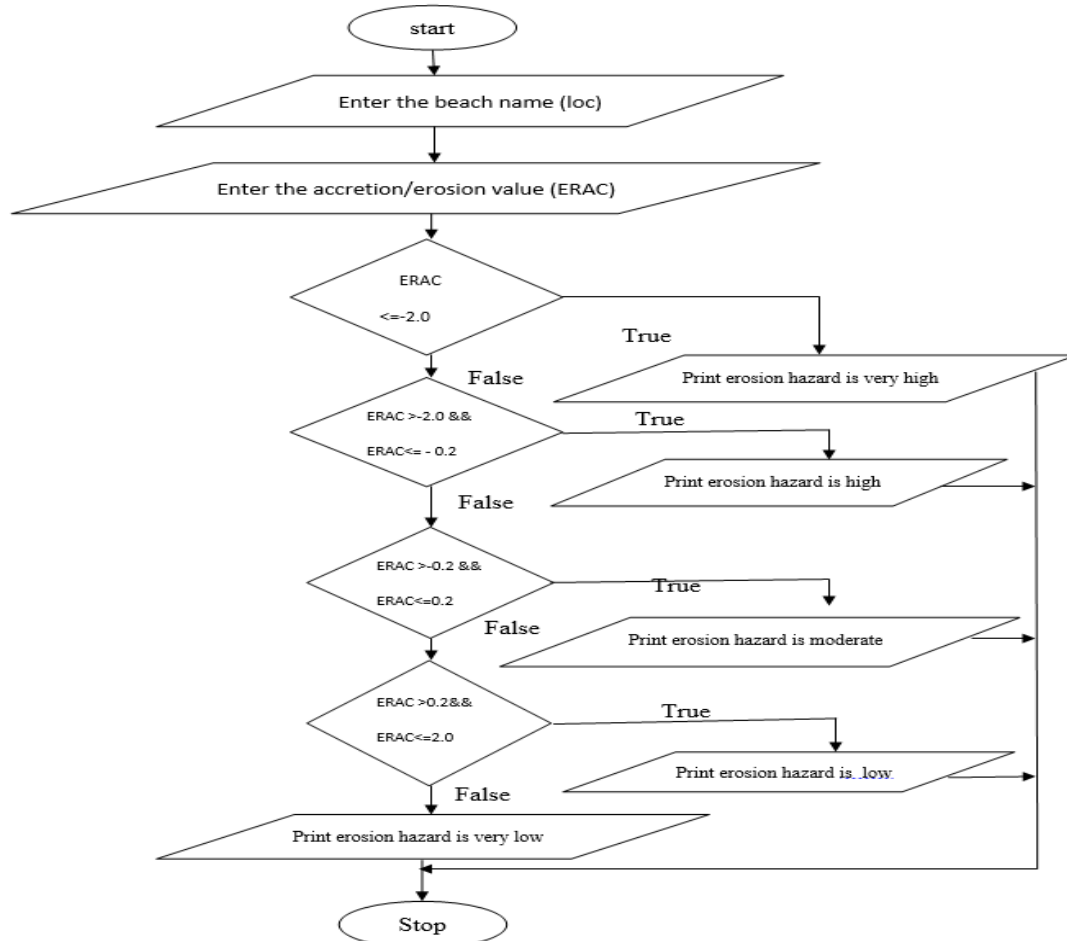
Annexure

Figure 9: Flow chart to find the erosion hazard ranking of the area.

C++ program to evaluate erosion hazard ranking of the area

```cpp
#include <iostream.h>
#include <conio.h>
void main ()
{
char loc;
float ERAC;
clrscr();
cout<<"Enter the name of the beach"<<endl;
cin>>loc;
cout<<"Enter the value of Erosion/Accretion value in m/yr"<<endl;
cin>>ERAC;
if (ERAC<=-2.0)
 {
cout<<"Location : "<<loc<<endl;
cout<<"The erosion hazard of the "<<loc << "is very high"<<endl;
 }
else if (ERAC>-2.0  && <=-0.2)
 {
cout<<"Location : "<<loc<<endl;
cout<<"The erosion hazard of the "<<loc << "is high"<<endl;
 }
else if (ERAC>-0.2 && <=0.2)

 {
cout<<"Location : "<<loc<<endl;
cout<<"The erosion hazard of the "<<loc << "is moderate"<<endl;
}
else if (ERAC>0.2 && <=2.0)
{
cout<<"Location : "<<loc<<endl;
cout<<"The erosion hazard of the "<<loc << "is low"<<endl;
 }
else
cout<<"Location : "<<loc<<endl;
cout<<"The erosion hazard of the "<<loc << "is very low"<<endl;
getch();
}
```