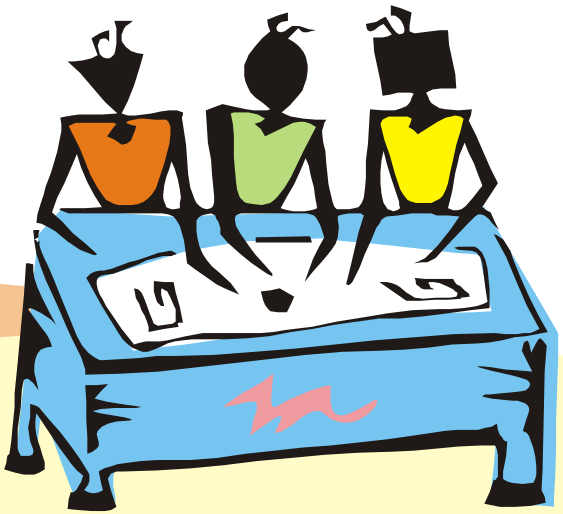
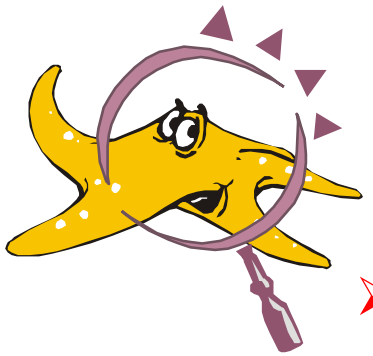
Lecture/Discussion #6:

Diagramming



USAID
FROM THE AMERICAN PEOPLE
FISH PHILIPPINES
The Fisheries Improved for Sustainable Harvest Project



Key content points:

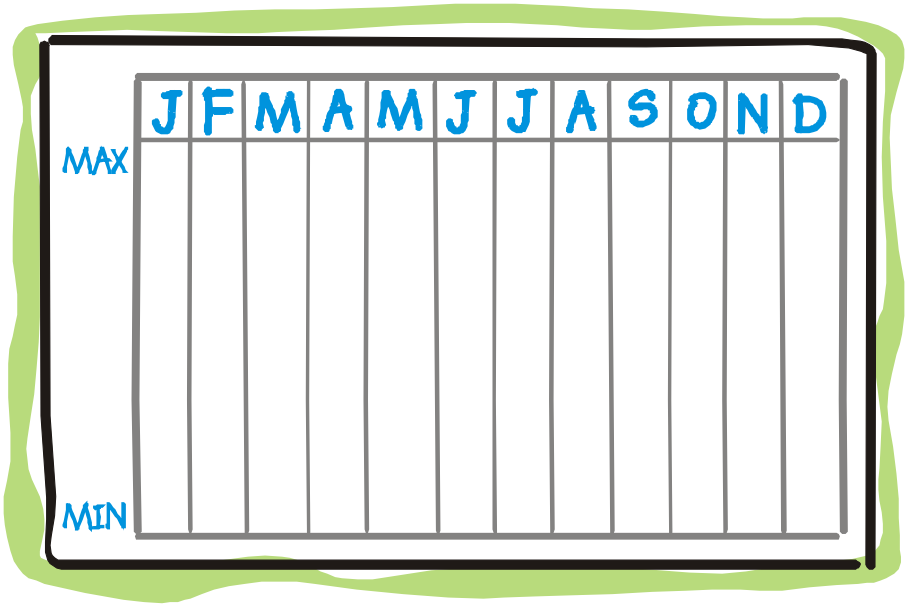
- Diagramming is a means of presenting information visually to illustrate spatial and time-based information.
- It provides a good way of presenting and analyzing information without having to go into complicated detail.
- Diagrams work best in context specific situations and for presenting localized information.
- Visual construction of information provided by diagramming helps to simplify data organization and analysis.
- Need to be complemented with other information-generating techniques
- The more common diagramming techniques in PCRA include calendar/seasonal diagrams and trend diagrams or time lines.

Calendar diagram

Calendar diagrams are very useful means of generating information about seasonal trends within the community and identifying or documenting cyclical patterns or changes in any one of more variables in an annual or cyclical periods.

These variables may include:

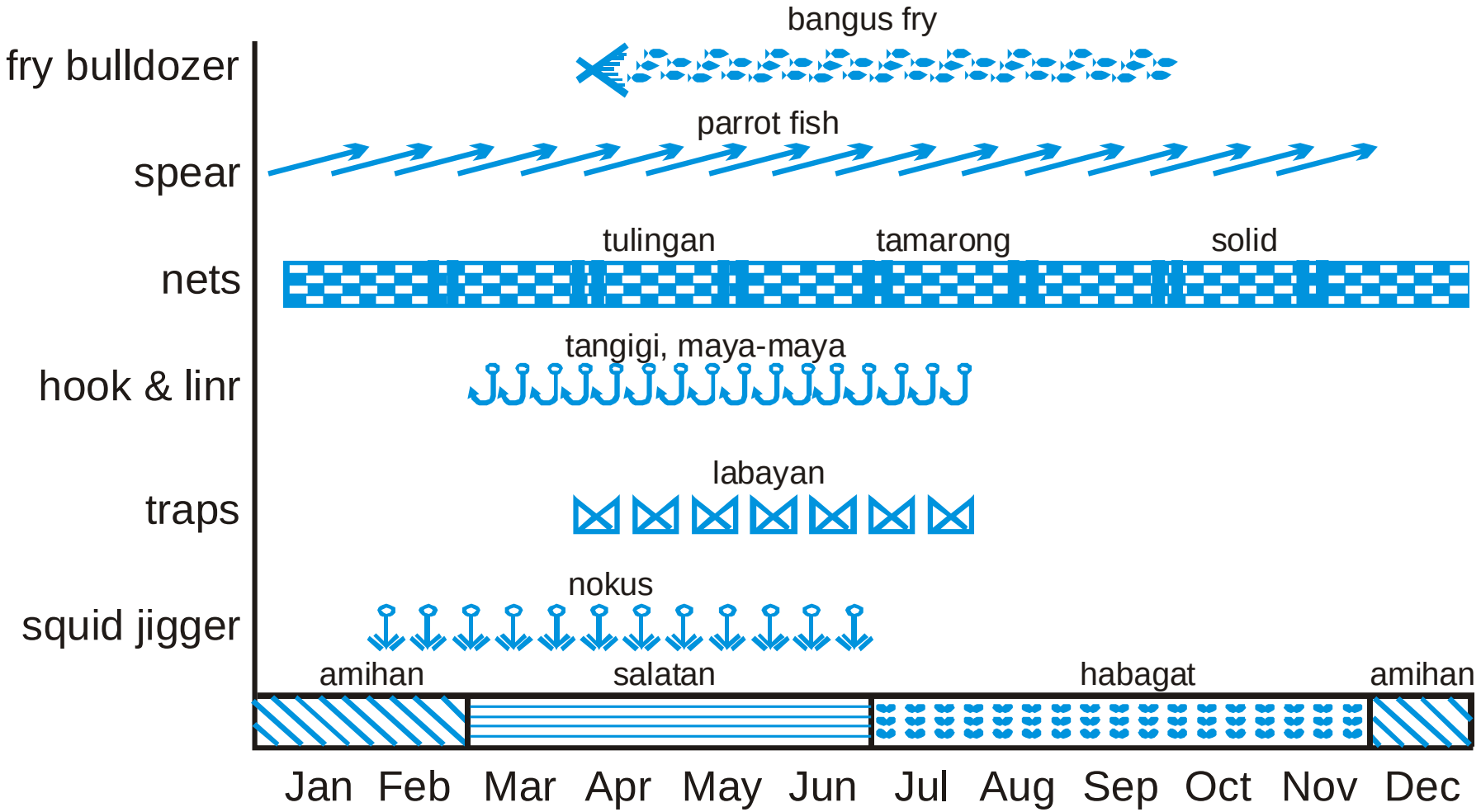
- Temperature
- Wind intensity and direction
- Rainfall levels
- Seasonal production
- Fish-catch
- Fishing gears used
- Labor requirements
- Expenditures, etc.



The calendar emphasizes qualitative information focusing more on periods (usually lasting a few days or more) than events (that usually last a day or less). The periods are based on experiences from previous years.

USAID FROM THE AMERICAN PEOPLE
FISH PHILIPPINES
The Fisheries Improved for Sustainable Harvest Project

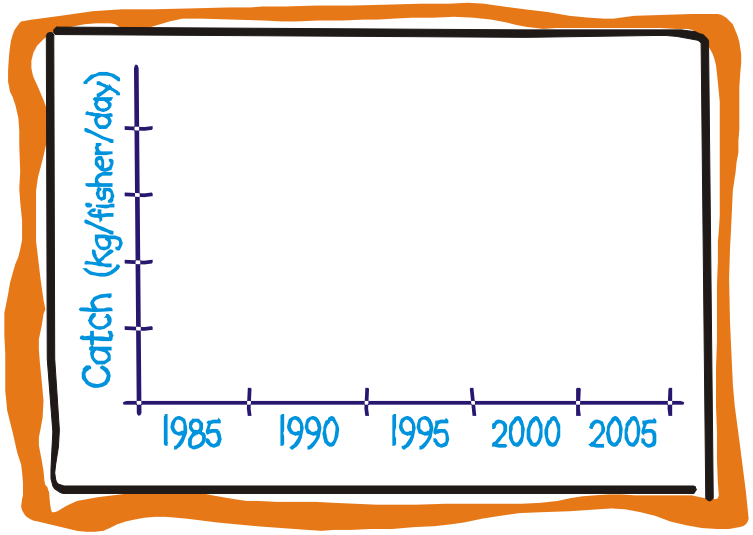
Sample calendar diagram on seasonality, fishing gear, and fish catch



USAID FROM THE AMERICAN PEOPLE
FISH PHILIPPINES
The Fisheries Improved for Sustainable Harvest Project

Trend diagram

A trend diagram illustrates in graphical manner the community's perception of how the condition of their coastal area or community has changed over time. By looking at certain variables that are considered important to the community and helping them to plot these on the vertical axis against time in years along the horizontal axis, the community is able to see the "trend" of the assessed variable(s) through time.



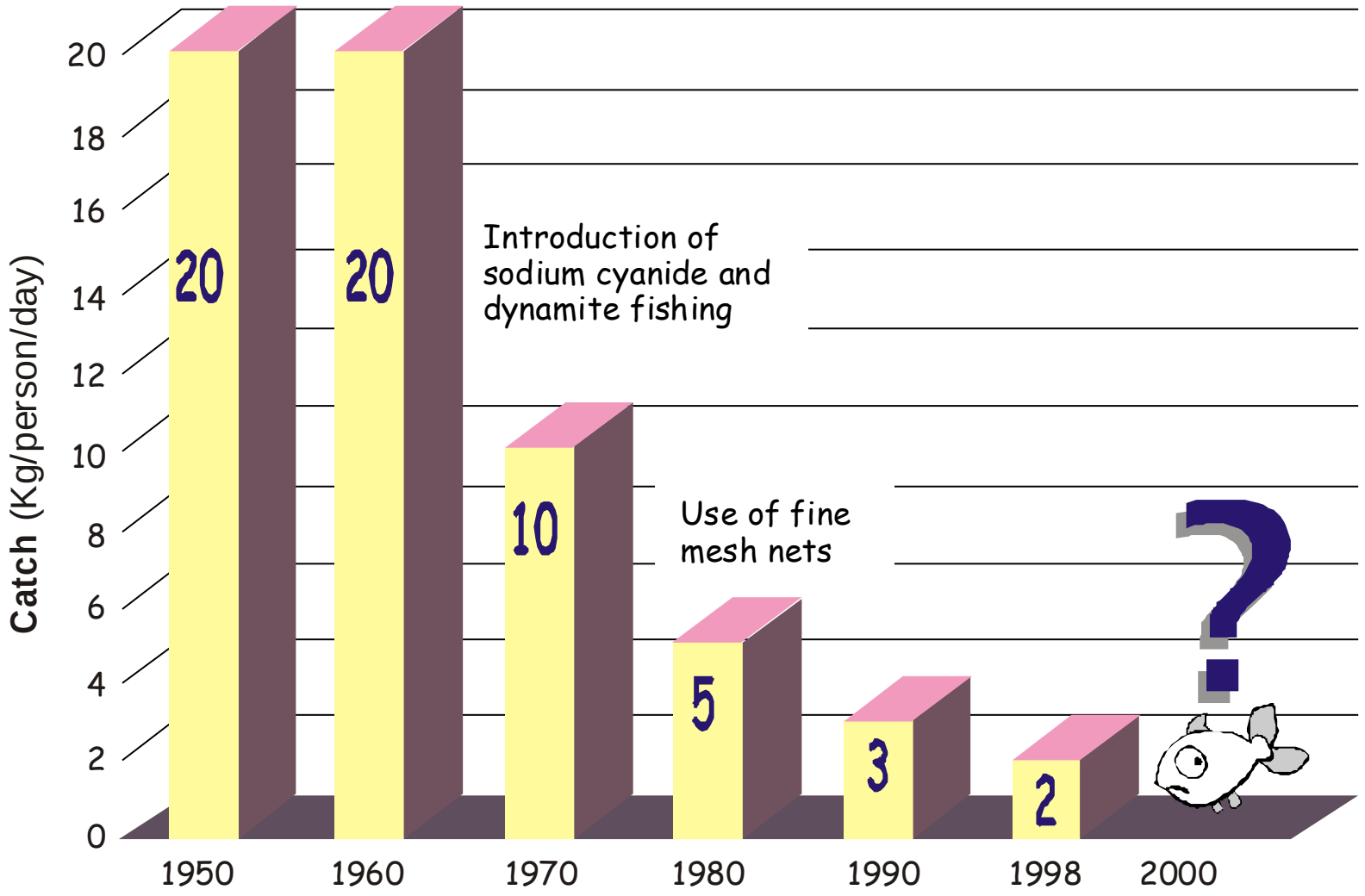
These variables may include:

- Population
- CPUE by gears
- Mangrove condition
- Fishing practices, etc.

The advantage of a trend diagram is that it provides clear and visual presentation of the changes through time. Its limitation lies in the fact that data provided by the community are largely based from individual experiences, or personal recall, and hence may be subjective.

USAID FROM THE AMERICAN PEOPLE
FISH PHILIPPINES
The Fisheries Improved for Sustainable Harvest Project

Sample trend diagram of fish catch



USAID FROM THE AMERICAN PEOPLE
FISH PHILIPPINES
The Fisheries Improved for Sustainable Harvest Project