

Location: _____

Date: _____

Name(s): _____

Transect Line #: _____

Science Assistant Name: _____

Start Time: _____

End Time: _____

Point Intercept Transect

Find the numbers listed below on your transect tape. Record which SINGLE species or substrate (rock, sand) you find directly underneath. Do not count transient objects (objects that are temporary, like trash, wood, leaves, or water).

| Points (m) | Organism / Substrate |
|------------|----------------------|
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |
| 6 | |
| 7 | |
| 8 | |
| 9 | |
| 10 | |
| 11 | |
| 12 | |
| 13 | |
| 14 | |
| 15 | |
| 16 | |
| 17 | |
| 18 | |
| 19 | |
| 20 | |

| | | | | | |
|---------------------------|---|---------------|--------|---|--------------|
| Human Impact: | Little <i>(no buildings, no trash)</i> | Moderate | Heavy | Very Heavy <i>(lots of buildings, area heavily utilized by humans)</i> | |
| Weather: | Sunny | Partly Cloudy | Cloudy | Rainy | Other: _____ |
| Wind Speed (mph)*: | 0-1 (calm) 1-3 (light air) 4-7 (light breeze, wind felt on face, leaves rustle) 8-12 (gentle breeze, leaves in constant) 13-18 (moderate breeze, raises dust and loose paper, small branches move) 19-24 (fresh breeze, small trees sway) 25-31 (strong breeze, large branches move, hard to use umbrella) 32-38 (near gale, whole trees move) 39-46 (gale, wind impedes walking) | | | | |
| Substrate Type: | Basalt (lava rock): black or dark brown/grey Old coral / Limestone: light colored, light weight Manmade (e.g. cement) Other: _____ | | | | |
| Size of Substrate: | Bedrock / Bench (continuous rock) Boulder (greater than or equal a human head) Cobble (tennis ball to human head size) Pebble (pea to tennis ball size) Granule (BB to pea size) Coarse Sand (pinhead to BB size) Fine Sand (sugar/salt to pinhead size) Shell (pebble to cobble size shells or shell fragments) | | | | |

*The wind speed you record should be an estimate of what the conditions were like during the **entire time** you worked in the field. We sometimes have gusts, or shorter periods, of higher winds. These conditions can be noted like by circling the average wind speed and checking the gust wind speed.