## Gathering Data on Dolphin Behavior

Scientists can't see 100% of what an animal does every day, all day. But they can "sample" animal behavior. Two actual sampling forms are reproduced here. One is a survey. Shark Bay Dolphin Project researchers use surveys when they first come across a dolphin or group of dolphins. These five-minute "snapshots" record which dolphins are present and what they are doing. This survey (see Chapter Four) began as soon as Janet spotted Lick (LIC) and her calf Cheeky (CEY).

The habitat type wasn't visible from the surface, but the dolphins were in 5.4 meters of water near Red Cliff Bay (RCB). When first encountered, Lick was foraging about 200 meters away from the boat, mostly making peduncle dives, but she made at least one tail-up dive. Lick and Cheeky swam quite close to each other (less than two meters apart) and Cheeky was in BP (baby position) part of the time. The pair traveled in a straight line. Cheeky's skin was discolored; Lick had swollen mammary glands, as a nursing mom should (her underbelly was visible when she came over to bow-ride). During the five minutes of the survey no other dolphins joined Lick and Cheeky. Afterward, Janet switched to a focal follow form.

The second form reproduced is the focal follow of Lick and Cheeky. The "notes" column describes, in researcher shorthand, the fast-paced action as Lick and Cheeky were joined by other dolphins.

By gathering data in this standardized way, data from different dolphins and data collected at different times by different people can be put together and analyzed. Survey data (best for recording which dolphins are around) can be combined with focal follow data (best for recording behavior) to develop and test hypotheses.

Date: 74	1-1014-2	011	Start Boat T	ime: 11 12	End Boat Time:		Survey# \	Date/Initials Entered
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2nd Observer:			0		seagrass 1 2 3 4 PCB		В	& Const
Scribe:			South 25	7871	sand (90-100%)	Closes	Depth (m) 5.4	Bin
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	art: 11:30		East 113 .70	972	other:	MALANC	Beaufort -5	00
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onarture	ds and time	imes):						All fins photo of ID? (P) N U  Bowriding(P) n
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			ocial, SSSS, fi		IDs:	gse per i	SID SIDILON DITA	

FILM: start-end frame, description, blanks

Date: 24-July -2011

Mom: LIC Calf: CEY

104:5TA

SCHIVE K-PS

Page #: 1

Observer: Jm

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