

## CHAPTER THREE

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### Direct Drivers of California's Nitrogen Cycle

#### Appendix 3.6 Complexity of Industrial N Processes

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## **Appendix 3.6 Complexity of Industrial N Processes**

Nitrogen is an essential component in the production of chemicals, plastic, fibers, and fertilizers. But quantification of its use for these purpose is remarkably limited (see Section 3.5 in *The California Nitrogen Assessment*). The most comprehensive analysis for US industrial N use was completed for 1996 (Domene and Ayres, 2001). For an example of the complexity of N use and variety of uses, see Figure 13, page 100 at:

<http://onlinelibrary.wiley.com/doi/10.1162/108819801753358517/epdf>

### **Reference**

Domene, L.A.F., Ayres, R.U., 2001. Nitrogen's Role in Industrial Systems. *Journal of Industrial Ecology* 5, 77–103. doi:10.1162/108819801753358517