

FIGURE 31.5 Datasheet and checklist for short-term ^{15}N tracer addition
(*Advanced Method 2*; BKD=background, PLT=plateau).

Stream name _____ Date _____
 Crew _____
 Injectate release rate checks _____
 Start time _____ g Cl^- added _____
 Stop time _____ g K^{15}NO_3 added _____
 Total drip time (min) _____ Carboy volume _____

Station	Distance from injection (m)	BKD Conductivity	PLT Conductivity
1			
2			
3			
4			
5			

Field checklist

- ☐ Collect BKD compartment samples and measure conductivity at all stations
- ☐ Turn pump on
- ☐ Set injectate release rate
- ☐ Start $^{15}\text{N}/\text{Cl}^-$ release
- ☐ Check injectate release rate
- ☐ Collect PLT compartment samples and measure conductivity at all stations
- ☐ Re-check injectate release rate
- ☐ Turn pump off
- ☐ Rinse samples thoroughly
- ☐ Measure stream width at 5-10 m intervals